

BEFORE THE PUBLIC UTILITIES COMMISSION OF NEVADA

Annual Deferred Energy Accounting Adjustment Application of Nevada Power Company d/b/a NV Energy for the 12-month period ending December 31, 2023, reset the Temporary Renewable Energy Development Rate, reset all components of the Total Renewable Energy Program Rate, reset the Base Energy Efficiency Program Rates, reset the Base Energy Efficiency Implementation Rates, reset the Energy Efficiency Program Amortization Rate, reset the Energy Efficiency Implementation Amortization Rate and reset the Expanded Solar Access Program rate.

Docket No. 24-03 ____

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RYAN ATKINS

BEFORE THE PUBLIC UTILITIES COMMISSION OF NEVADA

Nevada Power Company d/b/a NV Energy
Docket No. 24-03____
2024 Deferred Energy Proceeding
Prepared Direct Testimony of

Ryan Atkins

1. **Q. PLEASE STATE YOUR NAME, OCCUPATION, BUSINESS ADDRESS,
AND PARTY FOR WHOM YOU ARE FILING TESTIMONY.**

A. My name is Ryan Atkins. I am the Vice President, Resource Optimization for Sierra Pacific Power Company d/b/a NV Energy (“Sierra”) and Nevada Power Company d/b/a NV Energy (“Nevada Power” or the “Company” and together with Sierra, the “Companies”). I work primarily out of Nevada Power’s office at 6226 West Sahara Avenue, Las Vegas, Nevada. I am filing testimony on behalf of Nevada Power.

2. **Q. PLEASE DESCRIBE YOUR BACKGROUND AND EXPERIENCE IN THE
UTILITY INDUSTRY.**

A. My experience includes more than 16 years in the energy sector with positions in a number of areas including power trading, gas trading, analytics, and planning. For the past three years, I have been in various leadership roles overseeing the Companies’ activities related to energy trading and origination, market operations, and integrated resource planning.

My statement of qualifications is attached as **Exhibit Atkins-Direct-1**.

3. **Q. WHAT ARE YOUR DUTIES AND RESPONSIBILITIES IN YOUR
CURRENT POSITION?**

My current responsibilities involve the oversight of the Resource Optimization and Resource Planning teams. These teams are responsible for a number of activities

including, but not limited to, development of the Companies' Integrated Resource Plans ("IRP"), development of the Companies' Energy Supply Plans ("ESP") and ESP updates, development of the Companies' Gas Information Reports, all power and natural gas trading activities, coal procurement, short and long term production cost modeling, the development of trading analytics to support energy marketing and origination activities, participation in the Western Energy Imbalance Market, and wholesale market development and design efforts.

4. Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THE PUBLIC UTILITIES COMMISSION OF NEVADA ("COMMISSION")?

A. Yes. I have previously testified before the Commission in deferred energy proceedings, ESP filings, and IRP filings. Most recently I filed testimony in the Companies' Fifth Amendment to the 2021 Joint IRP, Docket No. 23-08015.

5. Q. ARE YOU SPONSORING ANY EXHIBITS OR APPENDICES?

A. Yes. I am sponsoring the following exhibits and technical appendix to my prepared direct testimony:

Exhibit Atkins-Direct-1	Statement of Qualifications
Exhibit Atkins-Direct-2	Power Procedures Manual
Exhibit Atkins-Direct-3	Natural Gas Procedures Manual
Exhibit Atkins-Direct-4	Forward Power Sales Procedures Manual
Exhibit Atkins-Direct-5	Power Transactions
Exhibit Atkins-Direct-6	Physical Gas Request for Proposals
Exhibit Atkins-Direct-7	Physical Gas Transactions
Exhibit Atkins-Direct-8	Physical Power Request for Proposals
Technical Appendix 1	Gas Hedge Workshop Materials

6. Q. PLEASE IDENTIFY SOME OF THE MANUALS THAT THE COMPANY HAS ADOPTED TO GUIDE THE PURCHASE AND SALE OF ENERGY PRODUCTS.

A. The Power Procedures Manual covers all transactions involving physical or financial power products, with the exception of renewable energy products. The Power Procedures Manual promotes the efficient and accurate processing of power transactions, the effective preparation and distribution of information relating to those activities, and the effective management of those activities. The Power Procedures Manual in effect during the deferral period, January 1, 2023 through December 31, 2023 (“Deferral Period”) is provided in **Exhibit Atkins-Direct-2**.

The Natural Gas Procedures Manual covers all transactions involving physical and financial gas. Similar to the Power Procedures Manual, the Natural Gas Procedures Manual enumerates procedures designed to promote the efficient and accurate processing of natural gas transactions, the effective preparation and distribution of information relating to those trading activities, and the effective management of those trading activities. The Natural Gas Procedures Manual in effect during the Deferral Period is provided in **Exhibit Atkins-Direct-3**.

The Forward Power Sales Procedures Manual outlines the organization, governance, processes, and procedures that apply to a specific subset of power transactions. Specifically, the Forward Power Sales Procedures Manual covers intermediate and long-term (i.e., one month or more) power sale transactions. The Forward Power Sales Procedures Manual in effect during the Deferral Period is provided in **Exhibit Atkins-Direct-4**.

7. **Q. DID THE COMPANY FOLLOW THE GOVERNING PROCEDURES DURING THE DEFERRAL PERIOD?**

A. Yes. The Company followed a Commission-approved ESP, approved ESP updates, and supplemental and additional ESP updates,¹ and appropriate procedures and policies during the Deferral Period. As explained in more detail below, the Company used the resources (e.g., fuel, power purchases and generating units) available to it in an appropriate and efficient manner to meet its load responsibility during the Deferral Period.

8. **Q. WHAT RESOURCES WERE AVAILABLE TO NEVADA POWER TO PROVIDE ELECTRIC SERVICE TO ITS CUSTOMERS DURING THE DEFERRAL PERIOD?**

A. John Lescenski's Prepared Direct Testimony discusses the generating resources that were available to Nevada Power during the Deferral Period.

Vincent Vitiello's Prepared Direct Testimony discusses the gas transportation capacity that was available to Nevada Power during the Deferral Period.

Edgar Patino's Prepared Direct Testimony identifies renewable and non-renewable power purchase agreements ("PPAs") that supplied energy to the Company.

Vernon Taylor's Prepared Direct Testimony describes Nevada Power's optimization of power supply resources pursuant to a Joint Dispatch Agreement, as well as the Company's assessment of energy imbalance market ("EIM") transactional benefits, portfolio optimization of participating resources in the EIM,

¹ See Docket Nos. 21-04036, 21-06001, 22-09002, and 23-09003.

forward sales transactions, and the economic dispatch of the Company's generating assets during the Deferral Period.

My Prepared Direct Testimony describes Nevada Power's physical and financial gas procurement activities, forward physical power procurement activities, the results of requests for proposals ("RFP") for various products consistent with the governing ESP, ESP updates and supplemental and additional ESP updates, and the results of any intermediate-term power purchases for the Deferral Period.

9. Q. WHAT WERE THE POWER MARKET CONDITIONS IN THE WESTERN UNITED STATES DURING THE DEFERRAL PERIOD?

A. As noted in recent filings, western energy markets have continued to experience rapid and significant changes in climate, weather, resource, policy, and energy consumption patterns. This has led to continued upward pressure on market power prices in the summer months. Rapidly growing loads throughout the region continued to strain the electric grid, especially during 'net peak' hours, or the time when renewable resources were producing at minimal levels. This was especially prevalent in the Desert Southwest where extreme solar ramps occur as the sun sets and loads remain elevated. Coal supply and delivery remained a challenge for the entire region as demand for coal remained elevated while coal mines and railroads remained strained to catch up to production and transportation needs. Supply chain disruptions and labor shortages also continued and led to delays in new resource additions throughout the west. While the state of California experienced record rainfall, the Pacific Northwest saw reservoir levels well below normal leading to

less available hydroelectric power from the region during the summer months.² In summer, the combination of record temperatures, high loads, low water levels in the Pacific Northwest, reduced coal supply, increased gas prices, and uncertainty surrounding the California Independent System Operator (“CAISO”) market rules, all contributed to limited supply and high purchased power prices throughout the west during the Deferral Period.

10. Q. DID THE REGION EXPERIENCE HIGHER THAN NORMAL TEMPERATURES AND LOADS DURING THE DEFERRAL PERIOD?

A. Yes. Nevada saw extreme weather conditions in summer 2023 with the coolest June on record but also the hottest July on record. In fact, July 2023 was the hottest month ever recorded in Las Vegas as temperatures reached 110 degrees or higher on 17 different days. The Companies saw its seventh highest peak load ever when load reached 8,135 megawatts on July 21. The Companies also experienced three other days in July with peak loads that were in the 10th highest loads in Company history. Phoenix, Arizona also experienced record-breaking conditions as it experienced the hottest single month of any U.S. city on record in July. That included 31 straight days with temperatures of 110 degrees or higher. In addition, 20 other major cities in the United States experienced their hottest summers ever, and the summer was the Earth’s hottest since global records began in 1880, according to scientists from NASA.³ These unprecedented temperature levels continue to underscore the extreme conditions the Company must be prepared for in order to provide safe and reliable service to our customers.

² *US Pacific Northwest water supplies fall to 22-year low in 2023*, Reuters (October 3, 2023), <https://www.reuters.com/business/energy/us-pacific-northwest-water-supplies-fall-22-year-low-2023-2023-10-03/#:~:text=Lack%20of%20water%20in%202023,103%25%20of%20normal%20in%202022>.

³ <https://www.nasa.gov/news-release/nasa-announces-summer-2023-hottest-on-record/>

11. Q. DID THE COMPANY HAVE CONCERNS REGARDING RESOURCE
ADEQUACY LEADING INTO AND DURING THE DEFERRAL PERIOD?

A. Yes. Resource adequacy has been an increasingly important focus of the Companies over the past several years. As western energy markets continue to rapidly evolve, the Company and stakeholders have had to reevaluate established practices, in particular large reliance on market purchases, to ensure sufficient capacity to meet peak demands during the summer. While the Company has taken great strides in recent filings to address the variability of renewable resources and their contribution to resource adequacy by updating the Effective Load Carrying Capability (“ELCC”) and Planning Reserve margin (“PRM”), addressing changes in weather through the use of new trended weather load forecasts, and taking steps regarding concerns about market availability, the concern and focus remain on the uncertain availability and deliverability of market capacity and energy.

As described in both the Fourth and Fifth amendments to the 2021 Joint IRP, these risks had manifested themselves for three straight summers heading into the Deferral Period as extreme climate related incidents no longer appear to be isolated events. While previously described in the Fourth Amendment, the following events that impacted the Companies in the summers of 2020, 2021, and 2022 bear repeating.

In August of 2020, the western United States experienced an extreme and prolonged heatwave that resulted in record loads and, ultimately, rolling blackouts for CAISO. On August 18, 2020, due to the strain across the entirety of the Western Interconnection, the Companies experienced significant supply curtailments due to the extreme conditions with the largest curtailment occurring in hour ending 19 with curtailments of 1,243 MW. This led to the Companies entering a Level 3

Energy Emergency Alert (“EEA”), which is the highest level of emergency and means load shed is imminent.

In July of 2021, the Companies experienced a similar event. On July 9, 2021, the Companies again experienced an EEA Level 3 event when a wildfire in southern Oregon resulted in the instantaneous reduction of approximately 5,500 MW of transmission capacity on the two most critical transmission lines flowing power from the Pacific Northwest to the Desert Southwest. The Companies’ total curtailment was 1,406 MW and trading staff took every available action to procure replacement supply to maintain resource adequacy. This EEA event occurred on the same day on which Nevada and many other western states experienced near record breaking temperatures causing high demand throughout the entire western interconnection. On this date, the Companies set a new combined system peak load record of 8,384 MW.

Another west-wide heat wave took place in September of 2022 as the first week of the month proved to be one of the most challenging periods on record for the western electrical grid. Given the intensity and duration of the event, this heat event ranked as one of the worst heatwaves in the past 40 years for the western United States. Temperature records were broken in major cities throughout the west including San Francisco, Salt Lake City, Billings, Boise, Reno, Las Vegas, and Sacramento. The Companies exceeded its previous all-time September peak six different times with a new record peak for the month of September of 7,752 MW (previous peak was 7,304 MW set in 2021). September 6 in particular was extremely challenging for nearly all western entities. On this day, CAISO peaked at 52,061 MW, a new record, and narrowly avoided rolling blackouts. In addition, the Western Electricity Coordinating Council (“WECC”) peaked at 167,499 MW

which was also a new record. On the evening of September 6, six entities issued some level of EEA including CAISO, Idaho Power, and the Western Area Lower Colorado Balancing Authority, who all issued Level 3 EAAs as energy in the market was limited and prices reached as high as \$1,900/MWh.

12. Q. IS THERE SUPPORTING INFORMATION THAT JUSTIFIES THE COMPANIES' CONCERNS RELATED TO RESOURCE ADEQUACY IN THE WEST?

A. Yes. Major organizations such as the North American Electric Reliability Corporation ("NERC"), WECC, and Energy and Environmental Economics ("E3") have all published reports focused on resource adequacy that have highlighted the risks in the western United States.

In February 2022, E3 published a study titled Resource Adequacy in the Desert Southwest. In the report, E3 highlighted that "[s]ubstantial reliability risks remain as the region's electricity resource portfolio transitions, most notably: weather- and climate-related uncertainties, performance of battery storage, and risks related to the timing of new additions..."⁴ Additionally, the report stated that "load growth and resource retirements are creating a significant and urgent need for new resources in the Southwest region; maintaining regional reliability will hinge on whether utilities can add new resources quickly enough to meet this growing need and will require a pace of development largely unprecedented for the region..."⁵

⁴ E3, Resource Adequacy in the Desert Southwest, February 2022, p. 1, https://www.ethree.com/wp-content/uploads/2022/02/E3_SW_Resource_Adequacy_Final_Report_FINAL.pdf.

⁵ *Id.*

1 In November 2022, WECC released its 2022 Western Assessment of Resource
2 Adequacy report (“WARA Report”). In the WARA Report, WECC stated:

3
4 The West is experiencing rapid and significant changes in climate,
5 weather, policy, energy consumption patterns, and technology that
6 are challenging the industry’s ability to reliably operate and
7 maintain the grid. These changes, coupled with a rapidly
8 transforming resource mix and push for electrification, create risks
9 that will continue to grow over the next decade. These changes are
10 affecting resource adequacy today and are expected to have
11 increasing impacts in future years. There is an urgent need for the
12 West to address resource adequacy issues now.⁶

13
14 In December of 2022, NERC released its 2022 Long-Term Reliability Assessment
15 report (“LTRA Report”). This LTRA Report echoed the same sentiments that were
16 published by E3 and WECC. In evaluating the western United States, the NERC
17 report states:

18 As solar decreases as sunset approaches, the total of all available
19 resources can fall short of the demand” and “[i]mports are limited
20 and cannot satisfy the increased demand levels....”⁷ The report goes
21 on to discuss the challenges associated with the net peak hours when
22 solar generation starts to drop off: “late summer periods in the
23 Southwest have the greatest risk of energy shortfalls due to the hot
24 temperatures and potential for volatile electricity demand along with
25 drop-off in solar that begins to occur earlier each day.”⁸

26 Late in the Deferral Period, new reliability assessment reports were published by
27 both NERC and WECC. The Company believes it is important to highlight the
28 continued concerns that are published by these reliability entities to alert the
Commission and all stakeholders to the risks that exist for the state of Nevada.

⁶ WECC, Western Assessment of Resource Adequacy, 2022, p. 2,
<https://www.wecc.org/Reliability/2022%20Western%20Assessment%20of%20Resource%20Adequacy.pdf>.

⁷ NERC, 2022 Long-Term Reliability Assessment, December 2022, p. 11,
https://www.nerc.com/pa/RAPA/ra/Reliability%20Assessments%20DL/NERC_LTRA_2022.pdf.

⁸ *Id.*

In November 2023, WECC released its updated WARA report. This report highlights that resource adequacy risk has grown since its previous reports, “Resource adequacy remains a critical risk in the Western Interconnection and continues to challenge industry planners, operators, regulators, and partners. Resource adequacy risks over the medium and long term have increased significantly compared to last year’s assessment.”⁹ A number of factors contribute to the increasing resource adequacy concerns, including the retirement of thermal generation, greater reliance on variable resources, which may not be available during peak hours without storage, and continued load growth on the system. All these factors are present in Nevada.

In December 2023, NERC released its updated LTRA report. The report labels the entire Western Region as an “Elevated Risk” area which means “they may face challenges meeting load under extreme conditions.”¹⁰

Ultimately, these organizations continue to issue resource adequacy cautionary statements regarding uncertain availability and deliverability of market capacity and energy. The findings from all of these reports highlight the energy supply concerns in the western United States, and highlight why the Company is so focused on resource adequacy and the Company’s multiple strategies to ensure reliable energy supply to its customers by continuing to proactively purchase energy supply in advance through its laddering process, identifying non-CAISO supply, and paying elevated prices when needed to support reliability for Nevada customers.

⁹ WECC, Western Assessment of Resource Adequacy, 2023, p. 2,
<https://www.wecc.org/Administrative/2023%20Western%20Assessment%20of%20Resource%20Adequacy.pdf>.

¹⁰ NERC, 2022 Long-Term Reliability Assessment, December 2022, p. 7,
https://www.nerc.com/pa/RAPA/ra/Reliability%20Assessments%20DL/NERC_LTRA_2023.pdf.

13. Q. WHAT ARE THE SPECIFIC RISKS AND WHAT SHOULD THE COMMISSION BE CONCERNED ABOUT WITH RESPECT TO RESOURCE ADEQUACY?

A. The consequences of failing to prioritize resource adequacy are serious, including having the Company's customers without critical energy resources on peak summer days. A 2023 study published by Environmental Science & Technology evaluated the potential impacts on safety and health resulting from a multi-day blackout event in Arizona, which would likely have similar results in Las Vegas. The study found that if a multi-day heat wave and grid failure occurred simultaneously in the Phoenix area, more than 13,000 people would die.¹¹ While this is an extreme example, it highlights that energy service is more than merely a service of convenience, this is a life-safety service that we collectively cannot allow to fail.

14. Q. DID THE COMPANY CONTINUE TO HAVE A LARGE OPEN CAPACITY POSITION DURING THE DEFERRAL PERIOD?

A. Yes. Nevada continued to be in a position of overreliance on energy resources outside of Nevada. As discussed in Q&A 11 regarding resource adequacy, the Company has worked to address the variability of renewable resources by updating the ELCC and PRM and addressed changes in weather through the use of new trended weather load forecasts. These were Commission-approved changes implemented to the Companies' long-term planning to better reflect the open capacity position, but these improvements also resulted in larger open positions. During the Deferral Period, the open positions in July and August reached nearly 2,000 megawatts. This large open position continues to pose several risks to the

¹¹ How Blackouts During Heat Waves Amplify Mortality and Morbidity Risk at 8250. Brian Stone Jr. et al. Environmental Science & Technology 2023 57 (22), 8245-8255, available at <https://pubs.acs.org/doi/10.1021/acs.est.2c09588?ref=pdf>

Companies. The most significant risk is the risk that supplies in the market may be constrained at the same time that the utilities need additional supply to meet their needs. A second risk is that the transactions that utilities use to meet their needs may not be backed by physical assets. This could result in circumstances where the counterparty is unable to procure physical power in real time to meet the obligations of their contract to the Companies. Both of these risks have been highlighted in previous summers with high power prices in conjunction with supply curtailments throughout the region.

15. Q. WHAT WAS THE RFP SCHEDULE TO PROCURE PHYSICAL POWER FOR THE DEFERRAL PERIOD?

A. Consistent with prior years, the Company used a competitive RFP process to procure physical power for delivery during the Deferral Period. Copies of the RFPs issued for physical power are provided as **Exhibit Atkins-Direct-8**. Procurements were made on the same day of bid submission deadlines. The bid submission deadlines were:

- 1) October 13, 2021, for a portion of the summer 2023 requirement;
- 2) January 26, 2022, for a portion of the summer 2023 requirement;
- 3) November 3, 2022, for a portion of the summer 2023 requirement;
- 4) February 9, 2023, for a portion of the summer 2023 requirement; and
- 5) April 13, 2023, for a portion of the summer 2023 requirement.

16. Q. WHAT CRITERIA WERE USED TO EVALUATE RFP BIDS FOR PHYSICAL POWER SUPPLY?

A. The criteria used to evaluate the bids included cost, deliverability, reliability, creditworthiness of prospective suppliers, payment terms imposed on Nevada

Power, legal and contractual issues, and any other terms and conditions applicable to the prospective purchase. Upon receipt of the bids, the team reviewed the bids and resolved any legal or contractual issues. Resource Optimization then analyzed the bids according to cost, and deliverability, and made contract execution recommendations to the team. Once an agreement was reached in accordance with Nevada Power's policies and procedures, the appropriate execution authority within Resource Optimization executed the transactions.

17. Q. PLEASE DESCRIBE THE RESULTS OF THE RFP PROCESS FOR THE POWER PROCURED FOR THE DEFERRAL PERIOD.

A. Nevada Power was successful with the RFPs in obtaining physical power for the Deferral Period. An adequate number of counterparties participated with competitive pricing. The open position could not be entirely filled with non-CAISO sourced supply however, as a result of limited market availability of such supply.

18. Q. WERE CAISO RULES A CONCERN DURING THE DEFERRAL PERIOD?

A. Yes. Market concerns continued to be compounded by the CAISO change in day-ahead export priorities implemented in the summer of 2021, its ongoing Wheel Through Initiative, and the 2023 change to e-tag rules that introduced a new firm provisional energy priority starting in July of 2023. The 2021 change to export priorities has allowed CAISO to adjust day-ahead export schedules to zero with potentially less than an hour's notice on whether the energy will flow. This has resulted in uncertainty on the delivery status for energy sourced out of the CAISO on high load days. Day ahead export awards can be adjusted to zero as a part of the residual unit commitment process with no certainty on resupply until approximately 55 minutes before the start of the flow hour. This can lead to challenges in resource adequacy planning on an hour-to-hour basis. Following up on this change were

new rules for tagging exports from the CAISO that were implemented on July 1, 2023, as a part of the EIM Resource Sufficiency Evaluation Enhancement Phase 2 Initiative. The rule change requires low-priority exports to be tagged as firm provisional energy in contrast to the historical practice of tagging the energy as standard firm energy. While firm provisional energy does technically meet the qualifications of the Western Systems Power Pool Schedule C (firm) energy, significant curtailments to CAISO exports have already occurred in the short time since the rule changes were implemented. These rules highlight the uncertainty and risk associated with purchasing CAISO sourced supply that is not backed by an asset and ultimately deemed as low priority. In addition, since April 2021 when the CAISO filed revisions to its tariff at the Federal Energy Regulatory Commission to modify the load, export, and wheeling priorities, there has been a lack of clarity on available transmission capacity through California and the true firmness of using such transmission. This has added additional uncertainty to any firm energy purchases sourced from the Pacific Northwest and flowing through California to a Desert Southwest sink.

19. Q. DID NEVADA POWER IDENTIFY A NEED TO PROCURE NON-CAISO SOURCED ENERGY?

A. Yes. As discussed in the previous question, changes to CAISO market rules have added uncertainty to the firmness of energy sourced from the CAISO. Prior to 2020, counterparties had historically been able to count on purchases from CAISO being firm in nature, despite not being backed by any sort of identified physical asset. However, with the recent rule changes, and the heightened resource adequacy issues within California, these purchases being exported out of the CAISO cannot, and should not be counted on for the most critical summer days and hours. In talking with neighboring utilities, it is common practice to ensure any market purchases

made for reliability purposes are backed by an asset or a firm system other than CAISO.

20. Q. DID NEVADA POWER SUPPLEMENT ITS RFP ACTIVITIES WITH DIRECT NEGOTIATIONS WITH COUNTERPARTIES FOR CUSTOMIZED PRODUCTS TO CLOSE THE OPEN POSITION?

A. Yes, to close the approved open position with non-CAISO sourced energy and shaped products, additional transactions were analyzed and executed outside of the RFP process. These additional transactions included:

- 1) Agreements with Nevada Cogeneration Associates (“NCA”) #1 and #2
- 2) Agreement with Saguaro Generating Facility
- 3) Bilateral transactions with counterparties for non-CAISO supply
- 4) Nevada Power also bid into a reverse RFP issued by PowerEx in 2021 for summer supply in 2023 sourced off the British Columbia Hydro System

21. Q. WERE THERE OTHER AGREEMENTS IN PLACE OUTSIDE THE STANDARD SHORT TERM PURCHASE POWER ACTIVITIES?

A. Yes. An agreement remained in place with Tonopah Solar Energy, LLC, for the output of the Crescent Dunes Solar and Molten Salt Storage facility. This agreement was in place for the entirety of the Deferral Period with a tiered rate structure based on season and hour. This is an in-state renewable facility that was willing to take an under-market price in order to prove out its technology in hopes for a longer term PPA.

22. Q. WAS IT REASONABLE FOR THE COMPANIES TO NEGOTIATE
DIRECTLY WITH COUNTERPARTIES OUTSIDE OF THE RFP
PROCESS IN ORDER TO CLOSE THEIR OPEN POSITION?

A. Yes. Saguario, NCA #1, and NCA #2 are all in-state generators that have been reliable producers under previous PPAs with the Companies and were priced competitively. Several other counterparties approached the Companies with non-CAISO supply that was only available outside of the normal RFP cadence and the prices were competitive with previous RFP results and prevailing market conditions.

23. Q. WAS IT REASONABLE FOR THE COMPANIES TO PARTICPATE IN
THE POWEREX REVERSE RFP IN 2021 TO PROCURE SUPPLY FOR
THE 2023 DEFERRAL PERIOD?

A. Yes. The Companies participated in the reverse RFP in 2021 and procured supply for multiple summers which was a reasonable and prudent decision. PowerEx is known to hold long-term transmission positions throughout the western United States, which allows it to schedule energy on a variety of paths and gives it the ability to resupply supply if emergencies arise. In addition, PowerEx provides access to hydroelectric resources during peak periods in Nevada. PowerEx has been one of the Companies' more reliable suppliers. Analysis was performed using available information to identify the prevailing market conditions at the time of the RFP and the approximate market value of non-CAISO supply. As previously discussed in deferred filings, a meeting was held with the Commission's Regulatory Operations Staff ("Staff") on November 19, 2021, to review the RFP, and Staff was in consensus the prudent action was to pursue the maximum amount of available energy for up to a three-year term. This information was also presented to the Risk

Committee who agreed the bids were prudent and the energy supply was highly reliable.

24. Q. DID ANY CONTRACTUAL ISSUES ARISE WITH TRANSACTIONS EXECUTED TO CLOSE THE OPEN CAPACITY POSITION?

A. Yes. NCA #1 made the decision to shut down during the month of January 2023. This decision was made at the sole discretion of NCA #1 and was not related to operational issues. Representatives from NCA #1 noted they made the decision based on economics due to the increase in natural gas prices during the December 2022 and January 2023 timeframe. The Company determined NCA #1 was in breach of contract and ultimately pursued liquidated damages. Resource Optimization performed a review of market prices compared to the contract cost for NCA #1 and ultimately reached a settlement agreement with NCA #1 to be reimbursed for the cost of replacement energy in the amount of \$1,491,959.

25. Q. DID THE COMPANIES IDENTIFY A NEED TO BUY PRODUCTS WITH DIFFERENT HOURLY SHAPES?

A. Yes. The Companies continuously analyze system and load conditions that may result in different shaped products being procured. The Companies procured a mix of standard on-peak, super-peak, as well as custom non-standard products in order to match their needs and operational requirements. Staggering the products over different time frames allowed the Companies to better manage system reliability constraints such as hourly ramping limitations or potential oversupply conditions during morning hours.

26. Q. **DID THE COMPANIES EXPERIENCE CURTAILMENTS BY SUPPLIERS
OF FIRM ENERGY DURING THE SUMMER OF 2023?**

A. Yes. The most significant curtailment event occurred on the evening of July 25, 2023. The Companies experienced curtailments to their CAISO sourced supply of nearly 750 megawatts over the critical evening peak period. This was despite the CAISO only being in an EEA Watch situation and loads in California reaching only approximately 43,000 megawatts. Because the CAISO has the ability to curtail low priority exports, it continues to highlight the need for the Companies to continue to pursue asset backed transactions that reduce the risk of curtailment from the CAISO. In follow up discussions with CAISO leadership, it was made clear that exports from California can no longer be supported on a consistent basis going forward.

27. Q. **DID THE COMPANIES UTILIZE THE SPOT MARKET TO BALANCE
LOADS AND RESOURCES AND MINIMIZE COSTS FOR CUSTOMERS
THROUGHOUT THE DEFERRAL PERIOD?**

A. Yes. The Companies engaged in short term transactions both on an hourly and day-ahead basis. These transactions are done to both optimize the Companies' generation portfolio and also to ensure the Companies can meet load and reliability requirements. The Companies continuously evaluate system and market conditions, and utilize a short-term optimization model to determine the least cost system plan and whether spot market transactions are prudent.

28. Q. **PLEASE IDENTIFY ALL POWER TRANSACTIONS RELEVANT TO THE
DEFERRAL PERIOD**

A. **Exhibit Atkins-Direct-5** lists the power purchase transactions that were entered into either immediately before or during the Deferral Period and that also flowed

during the Deferral Period. These transactions were entered into by the Company during the laddering power procurement process, as well as the current and subsequent, or “prompt” month.

29. Q. DID THE COMPANY PROCURE PHYSICAL POWER IN COMPLIANCE WITH ITS ESP AND ESP UPDATES?

A. Yes. The Commission-approved ESP, ESP updates and supplemental and additional ESP updates that govern the Company’s activities called for a laddering approach to forward purchases of physical power and/or capacity to manage the open capacity position for four seasons ahead. The Company procured adequate physical power to meet its load obligations in compliance with the applicable ESP, ESP updates and supplemental and additional ESP updates. The prudence behind the purchases and strategy is further discussed in the prepared direct testimony of Eugene T. Meehan from National Economic Research Associates (“NERA”).

30. Q. PLEASE SUMMARIZE YOUR TESTIMONY REGARDING THE COMPANY’S PHYSICAL POWER PROCUREMENT FOR THE DEFERRAL PERIOD.

A. Nevada Power procured physical power for the Deferral Period in accordance with corporate policies and procedures, the Commission-approved ESP, ESP updates, and supplemental and additional ESP updates. The physical power supply procured for the Deferral Period was obtained through competitive processes and at prices and terms that were consistent with prevailing market conditions. In summary, the recorded costs associated with the procurement of physical power supply for the Deferral Period were reasonable.

31. Q. **WHAT WERE THE GAS MARKET CONDITIONS IN THE WESTERN UNITED STATES DURING THE DEFERRAL PERIOD?**

A. A number of factors impacted natural gas markets and led to a rise in prices and volatility early in the deferral period. The conflict between Russia and Ukraine throughout 2022 was a major driver that led to supply disruptions for many European countries. This led to increased European demand for liquified natural gas (“LNG”) and European demand for LNG directly competes with domestic demand. Elevated European prices incentivized additional North American LNG exports. With this dynamic as a backdrop, a number of additional events occurring simultaneously in the west added additional pressure and contributed to record prices in December 2022 as natural gas spot prices exceeded \$50.00/MMBtu. In January of 2023, the U.S. Energy Information Administration (“EIA”) published a report that concluded the pricing event was the result of a number of key factors.¹² More specifically, below-normal temperatures on a regional level, lower natural gas imports from Canada, elevated natural gas consumption, pipeline constraints (i.e. maintenance in west Texas), and low natural gas storage levels in the Pacific region all contributed to the western pricing event. This event, while beginning in December 2022, had major impacts on prices in January 2023. Western prices started to soften in mid-January of 2023 and remained below the previous year for the balance of 2023. Increased natural gas production and mild weather throughout most of 2023 contributed to above-average natural gas levels in U.S. storage. As reported by the EIA, “relatively mild temperatures, record production, and higher-than-average inventories reduced natural gas prices.”¹³

¹² *Daily natural gas spot prices in western United States exceed \$50.00/MMBtu in December*, U.S. EIA (Jan. 24, 2023), <https://www.eia.gov/todayinenergy/detail.php?id=55279>

¹³ *Natural gas prices fall in first of 2023 amid record production and mild temperatures*, U.S. EIA (July 24, 2023), <https://www.eia.gov/todayinenergy/detail.php?id=57200>

32. Q. **DID THE DECEMBER 2022 PRICING EVENT IMPACT THE DEFERRAL PERIOD?**

A. Yes. The December pricing event was significant as it impacted the settlement prices for baseload gas in January of 2023. Consistent with the Company's four-season laddering strategy, the majority of natural gas procured for January 2023 was originated over the course of four RFPs, well in advance of the operating month, at indexed prices. The indexed prices settled against trading activity that took place during the final days of December 2022, for January 2023 delivery. Effectively, there was a lag in which the Company experienced the December 2022 price excursion. As discussed further in the testimony of Kurt G. Strunk from NERA, the Company's approved procurement strategy depends on market-based purchases of natural gas which naturally leads to higher costs when market prices are high. While the Company experienced these higher market costs in January 2023, it was also able to benefit from lower market prices for natural gas for most of the remainder of the Deferral Period.

33. Q. **WHAT WAS THE RFP SCHEDULE TO PROCURE PHYSICAL GAS FOR THE DEFERRAL PERIOD?**

A. Consistent with prior years, the Company used a competitive RFP process to procure physical gas for delivery during the Deferral Period. Copies of the RFPs issued for physical gas are provided as **Exhibit Atkins-Direct-6**. Procurements were made within a few weeks of bid submission deadlines. The bid submission deadlines were:

- 1) March 1, 2021, for a portion of the requirement for 2023;
- 2) August 31, 2021, for a portion of the requirement for 2023;
- 3) February 23, 2022, for a portion of the requirement for 2023;

- 4) August 24, 2022, for a portion of the requirement for 2023;
- 5) February 16, 2023, for a portion of the requirement for 2023; and
- 6) September 6, 2023, for a portion of the requirement for 2023.

34. Q. PLEASE DESCRIBE THE STEPS LEADING UP TO THE ISSUANCE OF EACH PHYSICAL GAS RFP.

A. Before issuing an RFP, a principles and strategy document is prepared to memorialize, without limitation: the approved procurement targets; basin distribution of procurements and representation of constraints; gas transport losses and adders; the verification of appropriate documentation or other requisite agreements per counterparty; credit constraints per counterparty; legal or regulatory issues; the valuation approach (i.e., inclusion of responsive bids or exclusion of non-responsive bids); and the risk management of modeling errors. The principles and strategy document is reviewed by several groups or departments (i.e., Contracts, Credit, Legal, Risk Control, Resource Planning and Analysis, and Resource Optimization) both prior to issuing the RFP and upon the preparation of transaction plans. This represents an auditable determination of the nature, source, quality, and timing of the information or analysis informing decisions on prudent procurement.

35. Q. WHAT CRITERIA WERE USED TO EVALUATE BIDS FOR PHYSICAL GAS SUPPLY?

A. The criteria used to evaluate the bids included cost, reliability, creditworthiness of prospective suppliers, payment terms imposed on Nevada Power, legal and contractual issues, and any other terms and conditions applicable to the prospective purchase. Consistent with previous years, the Company relied upon a spreadsheet model designed to select the most economic bids subject to constraints such as

limits on transport capacity. Upon receipt of the bids, the Resource Optimization and Resource Planning teams reviewed the bids and resolved any legal or contractual issues. The teams utilized the spreadsheet model and analyzed the bids according to cost, adequacy and reliability, and made contract execution recommendations to the team. Once an agreement was reached in accordance with Nevada Power's policies and procedures, the appropriate execution authority within Resource Optimization executed the transactions.

36. Q. PLEASE DESCRIBE THE RESULTS OF THE RFP PROCESS FOR THE GAS PROCURED FOR THE DEFERRAL PERIOD.

A. Nevada Power was successful with the RFPs in obtaining physical gas for the Deferral Period, with adequate supplies and transportation, multiple counterparties participating, and competitive pricing. Copies of the RFPs issued for physical gas are provided as **Exhibit Atkins-Direct-6**. Gas transactional data is provided as **Exhibit Atkins-Direct-7**. Transactions have been reviewed by Kurt G. Strunk from NERA who discusses the prudence in his direct testimony.

37. Q. THE COMPANY PROCURES PHYSICAL GAS AT INDEXED PRICES SUBJECT TO A CAP ON THE PREMIUM. THE CAP CAN BE EXCEEDED UNDER CERTAIN CIRCUMSTANCES. DID SUCH A SITUATION ARISE IN 2023?

A. Yes, Resource Optimization sought Risk Committee approval on February 15, 2023, and August 16, 2023, to transact at the lowest estimated total cost. The transaction authority provided by the relevant body was applied to executions for delivered gas where premiums exceeded the cap for all conforming bids and were the least cost supply alternative. Consistent with the Commission approval in Docket No. 17-09001, no notification was required in 2023 for transactions above

the cap as those transactions were the least cost supply alternative. The market dynamics surrounding the higher premiums paid by the Company in 2023 is discussed further in the testimony of Mr. Strunk from NERA.

38. Q. DID THE COMPANY CONTINUOUSLY OPTIMIZE ITS PHYSICAL GAS PORTFOLIO DURING THE DEFERRAL PERIOD?

A. Yes. Adjustments to the portfolio were made through the short-term gas supply marketplace. On a monthly basis, procurements were compared to the appropriate target volumes, and gas supplies were adjusted as needed. This provides an additional risk management tool complementing the continuous adjustment of the portfolio to reflect changes in load, system reliability, or market conditions; and the layering in of purchases or sales over time, beginning a year or more prior to the delivery period and continuing until the day of delivery. These adjustments, which may be a purchase or a sale, were made during or before the Gas Industry “Bid Week” when month-ahead physical gas transactions take place. Transactions executed during Bid Week are either executed on the Intercontinental Exchange (“ICE”) or negotiated through bilateral agreements with credit-approved counterparties. On a daily basis, adjustments were made, depending on holiday and weekend schedules, between 24 and 120 hours in advance of physical delivery. The real-time generation trading desk communicates with gas trading at least twice daily to adjust incoming gas supply volumes as required. All gas supply transactions involve market surveys of available and responsive counterparties and a review of ICE prior to actual transactions.

39. Q. PLEASE IDENTIFY ALL PHYSICAL GAS TRANSACTIONS RELEVANT TO THE DEFERRAL PERIOD.

A. Exhibit Atkins-Direct-7 summarizes Nevada Power's purchases of physical gas transactions for the Deferral Period. These transactions were entered into by the Company during the laddering gas procurement process, as well as the current and subsequent, or "prompt" month.

40. Q. DID THE COMPANY PROCURE PHYSICAL GAS IN COMPLIANCE WITH ITS ESP AND ESP UPDATES?

A. Yes. The Commission-approved ESP, ESP updates and supplemental and additional ESP updates that govern the Company's activities called for a laddering approach to forward purchases of physical gas at indexed prices for four seasons ahead. The Company procured adequate physical gas to meet its load obligations in compliance with the applicable ESP, ESP updates and supplemental and additional ESP updates.

41. Q. DID THE COMPANY CONDUCT INFORMATIONAL WORKSHOPS DURING 2023 WITH STAFF AND BUREAU OF CONSUMER PROTECTION ("BCP")?

A. Yes. Two workshops were held in 2023 on June 29, 2023, and October 4, 2023. Copies of presentations and the attendance lists from those workshops are provided in Technical Appendix 1. Pursuant to Docket No. 19-08034, the Company provided information related to gas market fundamentals to Staff and BCP in lieu of holding workshops in the remaining quarters of 2023.

1 42. Q. DID THE COMPANY PROCURE ANY GAS HEDGES OR PAY ANY
2 SETTLEMENT FEES IN 2023?

3 A. No.
4

5 43. Q. PLEASE SUMMARIZE YOUR TESTIMONY REGARDING THE
6 COMPANY'S PHYSICAL GAS PROCUREMENT FOR THE DEFERRAL
7 PERIOD.

8 A. Nevada Power procured physical gas for the Deferral Period in accordance with
9 corporate policies and procedures, the Commission-approved ESP, ESP updates,
10 and supplemental and additional ESP updates. The physical gas supply procured
11 for the Deferral Period was obtained through competitive processes and at prices
12 and terms that were consistent with prevailing market conditions. In summary, the
13 recorded costs associated with the procurement of physical gas supply for the
14 Deferral Period were reasonable.
15

16 44. Q. DID THE COMPANY PROCURE ANY COAL IN 2023?

17 A. No. Nevada Power no longer has coal fired generation.
18

19 45. Q. IS THE COMPANY REQUESTING CONFIDENTIAL TREATMENT OF
20 CERTAIN INFORMATION INTENDED TO GUIDE THE PURCHASE
21 AND SALE OF ENERGY PRODUCTS?

22 A. Yes. Confidential information has been redacted from Technical Appendix 1.
23
24
25
26
27

1 **46. Q. PLEASE DESCRIBE THE CONFIDENTIAL MATERIAL.**

2 A. The redacted material includes fuel forecast and pricing information. This material
3 is commercially sensitive and/or discloses the Company's views and expectations
4 of its costs and capabilities to serve both existing and potential forward sales.
5

6 **47. Q. FOR HOW LONG DOES NEVADA POWER REQUEST CONFIDENTIAL**
7 **TREATMENT?**

8 A. The requested period for confidential treatment is for no less than five years.
9

10 **48. Q. WILL CONFIDENTIAL TREATMENT IMPAIR THE ABILITY OF STAFF**
11 **OR BCP TO PARTICIPATE IN THIS DOCKET?**

12 A. No, in accordance with the accepted practice in Commission proceedings, the
13 confidential material will be provided to Staff and the BCP under standardized
14 protective agreements with them.
15

16 **49. Q. IN SUMMARY, WERE THE TOTAL COSTS INCLUDED IN THE DEAA**
17 **BALANCES REASONABLY INCURRED?**

18 A. Yes. Transactions complied with the governing Commission-approved ESP or ESP
19 updates, and liquidity and price discovery were adequate. The Company
20 appropriately and efficiently used available resources to provide electric services
21 to customers at reasonable costs. In summary, all of the purchase and sale
22 transactions included in the deferred energy balances at issue in this case were
23 executed in a manner that is consistent with reasonable strategies previously
24 approved by the Commission and with appropriate procedures governed by the
25 Company's risk management and control policies. The prices of products
26 purchased and sold were consistent with prevailing market conditions at the time
27 of execution.

During the Deferral Period, and discussed thoroughly by Company witnesses, the Company: (a) dispatched its generating units in an efficient and appropriate manner in light of the prevailing conditions; (b) procured fuel in a prudent manner; (c) optimized its fuel resources in an appropriate manner to capture value for the benefit of its customers by offsetting fuel and purchased power costs; and (d) optimized its gas transportation capacity to capture value for the benefit of its customers by offsetting fuel and purchased power costs.

50. Q. DOES THIS CONCLUDE YOUR PREPARED DIRECT TESTIMONY?

A. Yes, it does.

EXHIBIT ATKINS-DIRECT-1

STATEMENT OF QUALIFICATIONS

Ryan Atkins
6226 W. Sahara Ave. Las Vegas, NV 89146
Ryan.atkins@nvenergy.com
(702) 402-1788

PROFESSIONAL EXPERIENCE

NV Energy, Las Vegas, NV

Vice President, Resource Optimization & Planning, December 2022 - Present

- Oversight of Resource Optimization and Resource Planning teams
- Development of the Companies' Integrated Resource Plans, Energy Supply Plans, and Gas Information Reports
- Optimization of energy trading activities

Senior Director, Trading Analytics and Operations, February 2021 – December 2022

- Responsible for directing the development and execution of strategies aimed at maximizing the value of the Companies' portfolio of energy supply resources.

Director, Process Improvement, May 2018 – February 2021

- Directed team in charge of business optimization and innovation efforts including automation, process mining, and benchmarking.

Project Manager, Forward Trading, August 2017 – May 2018

- Optimized NV Energy generation portfolio and executed long term power transactions consistent with the Company's risk management guidelines.
- Managed greenhouse gas compliance obligations.

Senior Power Trader, May 2013 – August 2017

- Optimized NV Energy generation portfolio and executed day-ahead power transactions consistent with the Company's risk management guidelines.

Iberdrola Renewables, Portland, OR

Real-Time Power Trader, September 2011 – May 2013

- Executed short-term power transactions to optimize Iberdrola's western energy fleet of wind, hydro, and thermal generation.

NV Energy, Las Vegas, NV

Gas Trader, June 2010 – September 2011

- Optimized NV Energy's gas supply and transport portfolio consistent with the Company's risk management guidelines.

Real-Time Power Trader, August 2007 – June 2010

- Optimized NV Energy generation portfolio on an hour to hour basis and executed short-term hourly power transactions consistent with the Company's risk management guidelines.

EDUCATION

University of Idaho, Moscow, ID
Bachelor of Science, 2007

EXHIBIT ATKINS-DIRECT-2

NV ENERGY

POWER PROCEDURES MANUAL

December 14, 2022

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NV Energy Power Procedures Manual

I. Introduction

Nevada Power Company d/b/a/ NV Energy (“Nevada Power”) and Sierra Pacific Power Company d/b/a NV Energy (“Sierra Pacific Power”) (together, the “Companies”) are engaged in the generation, transmission and distribution of electric energy in Nevada. The Companies deal in the electric energy markets to meet a portion of the energy requirements for their customers.

This manual applies to physical and financial transactions related to the Companies’ power activities, excluding renewable transactions. The primary purpose of this manual is to assure the efficient and accurate processing of power transactions, the effective preparation and distribution of information relating to those activities, and the effective management of those trading activities.

These procedures are consistent with the provisions of the Energy Risk Management and Control Policy. This manual may be updated to reflect changes to the Energy Risk Management and Control Policy.

The Companies have adopted and may in the future adopt other policies and procedures that may impact the Companies’ power activities. This manual will complement the Forward Sales Procedures Manual, Natural Gas Procedures Manual, Energy Risk Management and Control Policy, and Credit Risk Management and Control Policy.

II. Organization Framework

A. Overview: The policy framework governing the Companies’ power transactions is set forth in the Energy Risk Management and Control Policy. This section of the manual outlines the responsibilities of the various Company groups to support the Companies’ power procurement and sale activities. These company groups include Credit Risk Management, Energy Supply Contract Management, Fuel and Purchased Power Accounting, Market Analytics, Market Operations and Trading, Resource Planning and Analysis, Risk Control, and Trading Operations.

B. Credit Risk Management is responsible for:

- Assessing the creditworthiness of counterparties for transactions related to power;
- Approving counterparties for transactions related to power before the Companies enter into transactions with them;
- Maintaining the Companies’ list of approved counterparties for transactions related to power;
- Maintaining, updating, and reviewing the Master Bidders’ List;
- Monitoring and reporting on the creditworthiness of those counterparties;
- Calculating potential exposures related to power transactions;
- Calculating collateral requirements, if any, to be posted by those counterparties and overseeing the receipt of that collateral;
- Maintaining records of the collateral posted by counterparties; the original collateral is

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kept in Credit Risk Management;

- Resolving credit issues with counterparties;
- Maintaining a list of unresolved credit concerns;
- Reviewing and reporting on information requested by counterparties for collateral or other credit support;
- Reviewing and reporting on credit terms in contracts and confirmations related to power; and
- Notifying Manager, Power and Gas Trading when credit exposure limits have been exceeded and assisting Risk Control in developing the strategy to mitigate risk.

C. Energy Supply Contract Management is responsible for:

- Managing the long-term power contracts including, but not limited to, contract compliance, accounting settlements, dispute resolution, and relationship management;
- Maintaining power counterparty contract and trading status information in the system of record;
- Managing the Confirmation process for power transactions, i.e.,:
 - a) Reviewing the terms and conditions included in Confirmations received from counterparties to ensure consistency with the system of record and Market Operations and Trading, Legal, and Credit Risk Management requirements;
 - b) As required, sending Confirmations to counterparties where the terms and conditions are consistent with the system of record and Market Operations and Trading, Legal, and Credit Risk Management requirements; and
 - c) Facilitating the Confirmation execution process.
- Leading the negotiation process of master agreements, if applicable;
- Maintaining the master agreements and associated power Confirmations in accordance with the Corporate Records Retention Schedule;
- Notifying Executive Management per the Energy Supply Commitment Threshold Notification level set forth in the Energy Risk Management and Control Policy; and
- Providing general contract support to Resource Optimization, Credit Risk Management, Legal, Resource Planning and Analytics, and Fuel and Purchased Power Accounting.

D. Fuel and Purchased Power Accounting is responsible for:

- Verifying the accuracy of invoices received by the Companies for transactions related to short-term power;
- Resolving issues regarding those invoices;
- Submitting final invoices to authorized personnel for approval;
- Processing settlement packages and presenting them to Accounts Payable or Treasury for payment;
- Processing approved pre-payments and presenting them to Accounts Payable or Treasury for payment;
- Preparing and issuing invoices for sales of power to counterparties;
- Ensuring the timely collection of receivables attributable to sales of power;
- Verifying the settlement amounts from financial transactions;
- Supervising the payment and receipt of all settlements flowing from financial transactions related to power;

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- Preparing or assisting with the preparation of periodic reports;
- Accounting for all transactions related to power; and
- Working with Risk Control to arrange for the adjustment of the Companies' records if necessary to reflect data from the final invoices;
- Completing the settlement process for financial options based on information from the system of record; and
- Reconciling the accounts to confirm the accuracy of the power accounting.

E. Resource Optimization is responsible for the following duties related to transactions for real-time, day-ahead, current month, and less than three-years:

- Maintaining Federal Energy Reliability Commission ("FERC") compliance, providing supporting documentation for proper use of network integrated transmission service and temporarily undesignating designated resources to facilitate third party wholesale sales;
- Executing transactions in accordance with the Energy Risk Management and Control policy, and in compliance with regulatory requirements, company policies, procedures, and the Energy Supply Plans;
- Originating and negotiating transactions including, utilizing unused assets, daily and balance of the month optimization;
- Price discovery;
- Orally executing transactions with counterparties via recorded telephone line;
- Recording incidents of material supplier non-performance and other unacceptable acts or omissions, and notifying Manager, Power and Gas Trading;
- Logging all information relevant to power trading activities;
- Coordinating the physical delivery of power in accordance with WECC and NERC requirements;
- Identifying prospective counterparties;
- Presenting viable counterparties to Credit Risk Management for review and approval;
- Entering data for the Companies transactions related to power into the deal capture system;
- Checking transactions for compliance with limits and seeking prior approval if a transaction will exceed approvals set forth in Appendix A;
- Amending transactions per Risk Control;
- Review and approval of invoices and confirmations related to power transactions;
- Corresponding with counterparties to determine market opportunities;
- Managing unsolicited proposals;
- Issuing and facilitating the request for proposal process;
- Corresponding directly with counterparties throughout a request for proposal process;
- Negotiating transactions directly with counterparties;
- Preparing or assisting with the preparation of periodic reports; and
- Records retention associated with request for proposals or unsolicited proposals.

F. Market Analytics is responsible for the following duties related to transactions for the day-ahead and less than two years:

- Preparing short-term forecasts of customer energy requirements;

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- Providing analytical support and documentation for request for proposals, daily, monthly and forward trading activities including physical power, financial power products, and transmission;
- Preparing or assisting with the preparation of periodic reports;
- Monitoring the status, operational limits, and availability of generating plants;
- Communicating anticipated load requirements to the balancing authority;
- Developing, establishing, implementing, and maintaining methodologies, models, and techniques facilitating energy risk management, as necessary;
- Determining the marginal, incremental and decremental costs associated with generation assets;
- Designating network resources;
- Monitoring transmission availability throughout the Western Electric Coordinating Council (“WECC”);
- Reconciling settlement discrepancies; and
Performing merchant settlement validation of California Independent System Operator transactions.

G. Resource Planning and Analysis is responsible for:

- Developing forecasts of power prices;
- Developing the Companies’ Energy Supply Plans;
- Analyzing power transaction opportunities for products longer than three years in duration;
- To the extent necessary, analyzing power related resources available to the Companies to help to ensure the optimal choice of resources; and
- Preparing or assisting with the preparation of periodic reports.

H. Risk Control is responsible for:

- Preparing or assisting with the preparation of periodic reports;
- Comparing actual power deliveries received by the Companies to the quantities shown in the Companies’ records and notifying Power Optimization of any discrepancies;
- Arranging for the adjustment of data entered into the deal capture system if necessary to reflect data from tapes of transactions, final invoices and/or other records; and
- Monitoring compliance with the Companies’ policies per the Energy Risk Management and Control Policy.

I. Trading Operations is responsible for:

- Preparing real-time forecasts of customer energy requirements;
- Providing analytical support and documentation to facilitate real-time power transactions;
- Communicating anticipated load requirements to the balancing authority;
- Determining the marginal, incremental and decremental costs associated with generation assets;
- Identifying resources in excess of committed generation available for potential sales;
- Providing timely and accurate reporting of information on the operating status of power supply resources;

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- Submitting resource plans representing the Companies' hourly level demand forecasts; and
- Providing timely and accurate forecast data (i.e. expected load, imports, and exports) during the operating hour.

III. Optimizing Power Assets

In accordance with the Energy Risk Management and Control Policy and in compliance with all regulatory requirements and company policies, and obligations the companies will:

- Develop strategies
- Establish trading partners
- Analyze positions
- Determine potential opportunities
- Prepare valuations
- Provide analytical support and documentation for trading activities and hedging
- Execute transactions in accordance with the approved Energy Supply Plans
- Control risk, accuracy and assurance
- Conduct performance review
- Record retention

A. Energy Supply Plans: Each of the Companies will maintain an approved Energy Supply Plan to govern the purchase and sale of power and the associated transmission services. Power transactions are entered into pursuant to the Companies' Energy Supply Plan. The Companies will not execute any material transactions that deviate from the approved Energy Supply Plans without the prior approval of the Risk Committee.

B. Approved Suppliers: Credit Risk Management is responsible for maintaining the Companies' lists of approved suppliers. The Companies will not execute any transactions with entities that are not in the approved system of record.

A prospective supplier may be added to the list of approved suppliers after its ability to perform in accordance with its commitments has been confirmed. Credit Risk Management is responsible for soliciting the information needed to investigate a prospective supplier. Credit Risk Management is responsible for evaluating the prospective supplier's performance and financial condition. The prospective supplier will only be added to the list of approved suppliers if the performance and financial reviews support a conclusion that the prospective supplier will be able to perform in accordance with the obligations inherent in the types of transactions for which the supplier is being considered.

A supplier may be removed from the list of approved suppliers:

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- If additional transactions with the supplier would cause limits set forth in the Energy Risk Management and Control Policy to be exceeded¹; Credit Risk Management is responsible for monitoring the status of the suppliers. Credit Risk Management will return suppliers which have been removed from the list because of pending transactions, to the list after the transactions have been completed;
- If the supplier's financial condition changes in a manner that materially erodes its creditworthiness; Credit Risk Management is responsible for monitoring the financial condition of the suppliers. Normally, Credit Risk Management will return suppliers, which have been removed from the list because of their financial conditions, to the list after their financial condition improves;
- If the supplier is involved in arbitration or litigation to settle disputes with the Companies;
- If the supplier sells its assets or takes other actions indicative of its desire to exit the business; or
- If the supplier fails to perform in accordance with its commitments or otherwise acts in a manner that undermines the Companies' efforts to acquire competitively priced power and transmission services consistent with its plans. Market Operations and Trading, and Energy Supply Contract Management are responsible for recording material failures to perform and other acts or omissions deemed unacceptable. Market Operations and Trading, and Energy Supply Contract Management are also responsible for recommending disqualification of a supplier to Credit Risk Management if justified by failure to perform or other acts or omissions.

C. Written Contracts: The Companies will not enter into any power transaction without a written contract delineating the associated terms and conditions. The contract may be an agreement developed for a specific transaction, a standard agreement developed by the Companies, or a master agreement. Master agreements will include, but not limited to the International Swap and Derivatives Association ("ISDA") Agreement with a Power Annex, Edison Electric Institute, Western Systems Power Pool ("WSPP") Agreement, or California Carbon Allowance ("CCA").

Energy Supply Contract Management is responsible for the negotiation of master agreements, if applicable, and other contracts with approved suppliers with support from Legal, Resource Optimization, and Credit Risk Management. Market Operations and Trading is responsible for the negotiation of all short-term transactions (as defined below) that are not entered exclusively pursuant to a master trading agreement. Energy Supply Contract Management facilitates the management of the associated Confirmations per the

¹ The available exposure limit for the supplier may be set to zero as an alternative to removing the supplier from the list.

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Energy Risk Management and Control Policy and Power Procedures Manual. Master Agreements and associated Confirmations are maintained in accordance with the Corporate Records Retention Schedule.

D. Long-Term Transactions: Standard power transactions beyond the current month and less than three-years will be originated and negotiated by Resource Optimization. Transactions may be executed using a request for proposals process or through direct negotiation.

- **Financial Power:** The Companies may acquire financial instruments² in conjunction with their power procurement efforts.
 - a) **Decision to Proceed:** Market Analytics will provide analytical support and documentation of financial power positions. Power Trading will establish the timing and scope of financial power transactions.
 - b) **Market Surveys:** Power and Gas Trading will contact one or more prospective suppliers to determine the prevailing market price and associated terms and conditions for financial instruments. The prospective supplier or suppliers will be drawn from the Companies' list of approved suppliers. The timing and the manner of the market surveys will be consistent with the practices of the markets that are being surveyed. Power and Gas Trading will document the information obtained during the market surveys.
 - c) **Evaluation:** Power and Gas Trading, with the assistance of Resource Planning and Analysis, and/or Market Analytics will evaluate the opportunities available to the Companies. The evaluations will primarily address economic considerations.
 - d) **Origination of Transactions:** Power and Gas Trading will check the transaction to ensure compliance with the limits set forth in the Appendix A. If a proposed transaction exceeds one or more limits, the Power Trader will contact the Manager, Power and Gas Trading and await their authorization to proceed or other instructions prior to originating the proposed transaction. Power and Gas Trading will execute transactions over recorded telephone lines, under written confirmations, or on acceptable exchanges.
 - e) **Documentation of Transactions:** Power and Gas Trading will document all transactions involving financial instruments by entering the pertinent information into the system of record.
- **Physical Power:** The Companies may acquire physical power in conjunction with their power procurement efforts.

² The types of financial instruments are defined in the Energy Risk Management and Control Policy.
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- a) **Decision to Proceed:** Resource Planning and Analysis and/or Market Analytics will provide analytical support and documentation of physical power positions. Power and Gas Trading will establish the timing and scope of physical power transactions.
 - b) **Market Surveys:** Power and Gas Trading will contact one or more prospective suppliers to determine the prevailing market price and associated terms and conditions for physical power. The prospective supplier or suppliers will be drawn from the Companies' list of approved suppliers. The timing and the manner of the market surveys will be consistent with the practices of the markets that are being surveyed. Power and Gas Trading will document the information obtained during the market surveys.
 - c) **Evaluation:** Power and Gas Trading, with the assistance of Resource Planning and Analysis, and/or Market Analytics will evaluate the opportunities available to the Companies. The evaluations will primarily address economic considerations.
 - d) **Origination of Transactions:** Power and Gas Trading will check the transaction to ensure compliance with the limits set forth in Appendix A. If a proposed transaction exceeds one or more limits, the Power Trader will contact the Manager, Power and Gas Trading and await their authorization to proceed or other instructions prior to originating the proposed transaction. Market Operations and Trading will execute transactions over recorded telephone lines, under written confirmations, or on acceptable exchanges.
 - e) **Documentation of Transactions:** Power and Gas Trading will document all transactions involving physical power by entering the pertinent information into the system of record.
- E. Short-Term Transactions:** Physical power transactions including real time, day ahead and balance of the month will be originated and negotiated by Power Trading. Variations in the Companies' power requirements and/or the availability of generating capacity may create opportunities for sales of power. For sales of power into California, California Carbon allowances ("CCAs") are required pursuant to the California Air Resource Board ("CARB") cap-and-trade regulations which are in sections 95800 to 96023 of Title 17, California Code of Regulations. Power transactions with terms within the current month often must be executed quickly because of reliability and related considerations. If the amount of a transaction exceeds the guidelines set forth in Appendix A, the Power Trader will notify the Manager, Power and Gas Trading as soon as practicable after executing the transaction. Additionally, the Power Trader will adhere with the limits set forth in the Appendix A. Transactions must be in compliance with FERC, Public Utilities Commission of Nevada ("PUCN"), and Company policies and procedures.

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- a) **Decision to Proceed:** Market Analytics and/or Trading Operations will provide analytical support and documentation for power transactions. Power Trading will determine carbon allowance requirement associated with sales of power into California.
- b) **Price Discovery:** Power Trading will determine the prevailing market price for power and carbon allowance transactions using methods including but not limited to, contacting suppliers, brokers, and Intercontinental Exchange.
- c) **Origination of Transactions:** Power Trading will transact in accordance with the Companies' policies and procedures. Market Operations and Trading will check the transaction to ensure compliance with the limits set forth in the Appendix A. If a proposed transaction exceeds one or more limits, the Power Trader will contact the Manager, Power and Gas Trading and await their authorization to proceed or other instructions prior to originating the proposed transaction. Power and Gas Trading will execute transactions over recorded telephone lines, under written confirmations, or on acceptable exchanges. Transactions must be in compliance with FERC, PUCN, and Company policies and procedures.
- d) **Confirmations:** When transacting with a counterparty, Energy Supply Contract Management will adhere to the Confirmation requirements of the WSPP Agreement as well as the Energy Risk Management and Control Policy.
- e) **Documentation of Transactions:** Power Trading will document all transactions involving physical power by entering the pertinent information into the system of record.

F. Transmission Service Transactions: Power Trading may purchase point to point transmission from entities on the list of approved suppliers with which the Companies have executed any required transmission service agreement(s). Power Trading may purchase transmission for delivery of physical energy to a load or approved counterparty.

G. Fuel and Purchased Power Accounting: Fuel and Purchased Power Accounting is responsible for the Companies' accounting, billing, collection, and reporting efforts as they pertain to power.

- a) **Supplier Invoices:** Accounting is responsible for processing supplier invoices pertaining to short-term power and transmission. Energy Supply Contract Management, Risk Control, Market Analytics, and Power and Gas Trading will assist Accounting with the resolution of settlement discrepancies if necessary.
- b) **Sales Invoices:** Accounting is also responsible for processing invoices for short-term power sales by the Companies. Energy Supply Contract Management, Risk Control, Market Analytics, and Power and Gas Trading will assist Accounting with the resolution of settlement discrepancies if necessary.

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- c) Adjustments to Database(s): Risk Control will direct Power and Gas Trading to adjust the system of record to reflect the final settlements with the buyers and suppliers.

H. Records Retention: The Companies have adopted a Records Retention Policy governing the retention of documents. Records related to the Companies' power procurement activities will be retained in accordance with the policy.

I. Confidentiality: All data and documents retained in conjunction with the Companies' power procurement efforts will be deemed commercially sensitive if they contain:

- a) The names of counterparties;
- b) The prices paid or received for power or transmission services; or
- c) Other information covered by the confidentiality provisions of the Companies' contracts.

Commercially sensitive data and documents should only be distributed only to the employees of the Companies who need access to the data and documents during the performance of their assigned duties.

Commercially sensitive data and documents should not be provided to anyone outside the Companies without the prior approval of the Legal Department.

IV. Approval and Modifications

This manual has been approved by the Risk Committee. The Vice President, Resource Optimization is responsible for conducting an ongoing review of the appropriateness of this manual and for the formulation of recommended changes to this manual. The recommended changes will be presented to the Risk Committee for review and approval.

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Appendix A: Approval Guidelines per Transaction Title	Limit – RFPs and Daily Trades*
<i>Chief Executive Officer, Berkshire Hathaway Energy Company</i>	<i>Unlimited</i>
<i>Chief Executive Officer</i>	<i>\$100,000,000</i>
<i>Senior Vice President, Chief Financial Officer and Treasurer</i>	<i>\$25,000,000</i>
<i>Vice President, Resource Optimization^{[1], [2]}</i>	<i>\$12,500,000</i>
<i>Director, Trading Analytics & Operations^{3, [3]}</i>	<i>\$7,500,000</i>
<i>Director, Contract Management and Special Programs (Amendments/Settling disputes only)</i>	<i>\$7,500,000</i>
<i>Manager, Power and Gas Trading</i>	<i>\$5,000,000</i>
<i>Resource Optimization Manager</i>	<i>\$5,000,000</i>
<i>Traders</i>	<i>\$1,000,000</i>

Approval of invoices are subject to dollar thresholds in the Corporate Governance and Approvals Policy.

**** To ensure reliability, approvals of daily trades may happen after trade execution.***

^[1] Applies to transactions longer than one month

^[2] Applies to transactions pertaining to the table in Appendix D, Section C

^[3] Applies to transactions pertaining to the table in Appendix D, Section B

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Appendix B: Policy Revision Log

Date	Revision(s)
December 22, 2014	Modified existing policy 1. Modified the title page and the table of contents page 2. Modified the introduction language 3. Updated titles and department names 4. Modified the organization framework language and responsibilities: • Removed Power Contracts • Added Power Origination • Moved the Power Contracts responsibilities to Power Origination • Added Commercial Trading and Strategy • Replaced Power Optimization with Market Operations and Trading • Removed Transaction and Market Analysis • Moved the Transaction and Market Analysis responsibilities to Portfolio Analytics 5. Modified the confirmation language and referenced adherence to the WSPP Agreement and the Energy Risk Management and Control Policy. 6. Added a policy revision log
December 18, 2019	Modified existing policy 1. Updated titles and department names 2. Added responsibilities associated with the companies' participation in the California Independent System Operation's Energy Imbalance Market 3. Modified the organization framework language and responsibilities: • Removed Commercial Trading and Strategy • Removed Power Origination • Added Trading Operations • Moved the Commercial Trading and Strategy responsibilities to Market Analytics • Moved Power Origination responsibilities to Market Operations and Trading
November 17, 2021	Modified existing policy 1. Manager, Market Operations and Trading was replaced throughout the policy with the new role of Manager, Power and Gas Trading 2. Revised one of the responsibilities of Energy Supply Contract Management

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	3. Market Operations and Trading was replaced throughout the policy with Resource Optimization
December 14, 2022	Modified existing policy 1. Updated title changes through-out the procedures 2. Increased CEO limits to \$100,000,000

EXHIBIT ATKINS-DIRECT-3

NV ENERGY

NATURAL GAS PROCEDURES MANUAL

December 14, 2022

NV Energy Natural Gas Procedures Manual

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I. Introduction

Nevada Power Company d/b/a NV Energy (“Nevada Power”) and Sierra Pacific Power Company d/b/a NV Energy (“Sierra Pacific Power”) (together, the “Companies”) are engaged in the generation, transmission and distribution of electric energy in Nevada and the distribution of natural gas in northern Nevada through the Gas Division of Sierra Pacific Power. The Companies deal in the natural gas markets to meet a portion of the energy requirements of their customers.

This manual applies to all physical and financial transactions related to the Companies’ natural gas activities. The primary purpose of this manual is to assure the efficient and accurate processing of natural gas transactions, the effective preparation and distribution of information relating to those trading activities, and the effective management of those trading activities.

These procedures are consistent with the provisions of the Energy Risk Management and Control Policy. This manual may be updated to reflect changes to the Energy Risk Management and Control Policy.

The Companies have adopted and may in the future adopt other policies and procedures that may impact the Companies’ natural gas activities. This manual will complement the Power Procedures Manual, Energy Risk Management and Control Policy, and Credit Risk Management and Control Policy.

II. Organization Framework

A. Overview: The policy framework governing the Companies’ natural gas transactions is set forth in the Energy Risk Management and Control Policy. This section of the manual outlines the responsibilities of the various Company groups to support the Companies’ natural gas procurement and sale activities. These company groups include: Credit Risk Management, Energy Supply Contract Management, Fuel and Purchased Power Accounting, Market Analytics, Market Operations and Trading, Resource Planning and Analysis, Risk Control, and Trading Operations.

B. Credit Risk Management is responsible for:

- Assessing the creditworthiness of counterparties for transactions related to natural gas;
- Approving counterparties for transactions related to natural gas before the Companies enter into transactions with them;
- Maintaining the Companies’ list of approved counterparties for transactions related to natural gas;
- Maintaining, updating, and reviewing the Master Bidders’ List;
- Monitoring and reporting on the creditworthiness of counterparties;
- Calculating potential exposures related to natural gas transactions;
- Calculating collateral requirements, if any, to be posted by counterparties and overseeing the receipt of collateral;

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- Maintaining records of the collateral posted by counterparties; the original collateral is kept in Credit Risk Management;
- Resolving credit issues with counterparties;
- Maintaining a list of unresolved credit concerns;
- Reviewing and reporting on information requested by counterparties for collateral or other credit support;
- Reviewing and reporting on credit terms in contracts and confirmations related to natural gas; and
- Notifying Manager, Power and Gas Trading when credit exposure limits have been exceeded and assisting Risk Control in developing the strategy to mitigate risk.

C. Energy Supply Contract Management is responsible for:

- Leading the negotiation process of Master Trading Agreements for physical and financial natural gas transactions (e.g. North American Energy Standards Board (“NAESB”) Agreement, International Swap and Derivatives Association (“ISDA”) Agreement);
- Maintaining the master trading agreements and associated physical and financial gas Confirmations and physical gas transportation contracts in accordance with the Corporate Records Retention Schedule;
- Maintaining physical and financial gas counterparty contract and trading status information in the system of record;
- Managing the Confirmation process for gas transactions, i.e.,:
 - Reviewing the terms and conditions included in Confirmations received from counterparties to ensure consistency with the system of record and Legal, and Credit Risk Management requirements;
 - As required, sending Confirmations to counterparties where the terms and conditions are consistent with the system of record and Legal, and Credit Risk Management requirements;
 - Facilitating the Confirmation execution process;
- Maintaining the NV Energy Contact List for use by the physical gas transportation counterparties;
- Notifying Executive Management per the Energy Supply Commitment Threshold Notification level set forth in the Energy Risk Management and Control Policy;
- Facilitating the annual renewal process, as needed, for physical gas transportation contracts;
- Acting as a liaison between physical gas transportation counterparties (whose pipelines interconnect with NV Energy’s generating units) and Resource Optimization to ensure the reason, timing, and duration of pipeline planned outages is transparent and agreeable to Resource Optimization and the Balancing Authority, to the extent feasible;
- Verifying natural gas transport pipeline invoices;
- Resolving issues regarding those invoices; and
- Providing general contract support to Resource Optimization, Credit Risk Management, Legal, Resource Planning and Analysis, and Fuel & Purchased Power Accounting.

D. Fuel and Purchased Power Accounting is responsible for:

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- Verifying the accuracy of invoices received by the Companies for transactions related to natural gas;
- Resolving issues regarding those invoices;
- Submitting final invoices to authorized personnel for approval;
- Processing settlement packages and presenting them to Accounts Payable or Treasury for payment;
- Processing approved pre-payments and presenting them to Accounts Payable or Treasury for payment;
- Preparing and issuing invoices for sales of natural gas to counterparties;
- Ensuring the timely collection of receivables attributable to sales of natural gas;
- Verifying the settlement amounts from financial transactions;
- Supervising the payment and receipt of all settlements flowing from financial transactions related to natural gas;
- Preparing or assisting with the preparation of periodic reports;
- Preparing and submitting FERC forms;
- Accounting for all transactions related to natural gas;
- Working with Risk Control to arrange for the adjustment of the Companies' records if necessary to reflect data from the final invoices;
- Completing the settlement process for financial options based on information from the system of record; and
- Reconciling the accounts to confirm the accuracy of the natural gas accounting.

E. Resource Optimization is responsible for:

- Executing transactions in accordance with the Energy Risk Management and Control Policy, and in compliance with regulatory requirements, company policies, procedures, and the Energy Supply Plans;
- Identifying opportunities to optimize the energy portfolio;
- Originating, negotiating and executing natural gas transactions, including physical and financial natural gas request for proposals, utilizing unused assets, for balancing and optimization;
- Originating, negotiating and executing asset management agreements, natural gas supply for purchase power agreements, and transport and storage contracts less than 2 years;
- Originating, negotiating and executing oil, diesel, and propane freight and commodity agreements;
- Issuing and facilitating all natural gas request for proposal process;
- Price discovery;
- Acquiring sign off for the physical gas request for proposal, principles document and transaction plans;
- Review and approval of invoices and confirmations related to natural gas transactions;
- Assisting with the development of the portion of the Companies' Energy Supply Plans pertaining to gas;
- Coordinating the physical delivery of natural gas in accordance with industry standards;
- Identifying prospective counterparties;
- Presenting viable counterparties to Credit Risk Management for review and approval;

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- Preparing or assisting with the preparation of periodic reports;
- Entering data for the Companies transactions related to natural gas into the deal capture system;
- Recording incidents of material supplier non-performance and other unacceptable acts or omissions, and notifying Manager, Power and Gas Trading;
- Checking transactions for compliance with limits and seeking prior approval if a transaction will exceed limits set forth in Appendix A;
- Amending transactions per Risk Control;
- Not allowing increased refreshed bids related to financial gas transactions;
- Corresponding directly with Credit Risk Management and Legal to finalize contract language;
- Acting as the 24 hour emergency point of contact for gas pipelines' operations groups;
- Logging gas resource adequacy conditions, emergency conditions, and other required information relating to gas; and
- Maintaining FERC compliance including shipper must have title rule and prohibited buy-sell rule.

F. Market Analytics is responsible for the following duties related to transactions for the day-ahead and less than two years:

- Preparing short-term forecasts of natural gas requirements for generating plants (gas requirements for the Gas Division are provided by Gas Distribution);
- Preparing or assisting with the preparation of periodic reports;
- Providing analytical support and documentation for request for proposals, daily, and forward trading activities including physical gas, financial products, and transportation;
- Providing analytical support and documentation for gas hedging;
- Preparing or assisting with the preparation of periodic reports;
- Monitoring compliance with the Companies' policies per the Energy Risk Management and Control Policy; and
- Developing, establishing, implementing, and maintaining methodologies, models, and techniques facilitating energy risk management, as necessary.

G. Resource Planning and Analysis is responsible for:

- Preparing estimates of the natural gas required to meet those energy requirements;
- Developing forecasts of natural gas prices;
- Developing the long term gas transportation strategy;
- Developing the Companies' Energy Supply Plans and Sierra Pacific Power's Gas Information Report;
- Provide gas burn projections for the physical gas request for proposals;
- Analyzing long term (two or more years) gas related resources available to the Companies to help to ensure the optimal choice of resources;
- Originating, negotiating and executing transport and storage contracts greater than two years;
- Preparing or assisting with the preparation of periodic reports;
- Facilitating the amendment process for physical gas transportation contracts;

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- Monitoring Federal Energy Regulatory Commission (“FERC”) filings;
- Monitoring pipeline tariff filings;
- Facilitating natural gas hedging workshops with members of the Public Utilities Commission of Nevada (“PUCN”) and the Bureau of Consumer Protection; and
- Assisting with FERC proceedings related to natural gas interstate pipelines.

H. Risk Control is responsible for:

- Verifying that the actual MMBtu and \$/MMBtu within the deal capture system are correct and notifying Market Operations and Trading of any discrepancies;
- Enter indices into the deal capture system;
- Arranging for the adjustment of data entered into the deal capture system if necessary to reconcile data from tapes of transactions, final invoices and/or other records;
- Providing mark-to-market for financial gas hedges at current forward;
- Preparing or assisting with the preparation of periodic reports; and
- Monitoring compliance with the Companies’ policies per the Energy Risk Management and Control Policy.

I. Trading Operations is responsible for:

- Preparing real-time forecasts of natural gas requirements for generating plants (gas requirements for the Local Distribution Company are provided by Gas Operations within Gas Delivery);
- Logging gas resource adequacy conditions, emergency conditions, and other required information relating to gas; and
- Managing generating plants gas usage within tolerances.

III. Optimizing Natural Gas Assets

In accordance with the Energy Risk Management and Control Policy and in compliance with all regulatory requirements and Company policies, and obligations, the Company will:

- Develop strategies
- Establish trading partners
- Analyze positions
- Determine potential opportunities
- Prepare valuations
- Provide analytical support documentation for trading activities and hedging
- Execute transactions in accordance with the approved Energy Supply Plans
- Control risk, accuracy and assurance
- Conduct performance review
- Record retention

- A. Energy Supply Plans:** Each of the Companies will maintain an approved Energy Supply Plan to govern the purchase and sale of natural gas and the associated transportation services. Natural gas transactions are entered into pursuant to the Companies Energy

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Supply Plans. The Companies will not execute any material transactions that deviate from the approved Energy Supply Plans without the prior approval of the Risk Committee.

- B. Approved Suppliers:** Credit Risk Management is responsible for maintaining the Companies' lists of approved suppliers. The Companies will not execute any transactions with entities that are not in the approved system of record.

A prospective supplier may be added to the list of approved suppliers after its ability to perform in accordance with its commitments has been confirmed. Credit Risk Management is responsible for soliciting the information needed to investigate a prospective supplier. Credit Risk Management is responsible for evaluating the prospective supplier's performance and financial condition. The prospective supplier will only be added to the list of approved suppliers if the performance and financial reviews support a conclusion that the prospective supplier will be able to perform in accordance with the obligations inherent in the types of transactions for which the supplier is being considered.

A supplier may be removed from the list of approved suppliers:

- If additional transactions with the supplier would cause limits set forth in the Energy Risk Management and Control Policy to be exceeded¹, Credit Risk Management is responsible for monitoring the status of the suppliers. Credit Risk Management will return suppliers, which have been removed from the list because of pending transactions, to the list after the transactions have been completed;
- If the supplier's financial condition changes in a manner that materially erodes its creditworthiness, Credit Risk Management is responsible for monitoring the financial condition of the suppliers. Normally, Credit Risk Management will return suppliers, which have been removed from the list because of their financial conditions, to the list after their financial conditions improve;
- If the supplier is involved in arbitration or litigation to settle disputes with the Companies;
- If the supplier sells its assets or takes other actions indicative of its desire to exit the business; or
- If the supplier fails to perform in accordance with its commitments or otherwise acts in a manner that undermines the Companies' efforts to acquire competitively priced natural gas and transportation consistent with its plans. Market Operations and Trading and Energy Supply Contract Management are responsible for recording material failures to perform and other acts or omission deemed unacceptable. Market Operations and Trading and Energy Supply Contract Management are also responsible for recommending disqualification of a supplier to Credit Risk Management if justified by failure to perform or other acts or omissions.

¹ The available exposure limit for the supplier may be set to zero as an alternative to removing the supplier from the list.

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- C. Written Contracts:** The Companies will not enter into any natural gas transaction without a written contract delineating the associated terms and conditions. The contract may be an agreement developed for a specific transaction not entered exclusively pursuant to a master trading agreement, a standard agreement developed by the Companies, or a master agreement. Master agreements will include, but not be limited to, the NAESB Agreement (physical gas), the Gas Electronic Data Interchange (“GasEDI”) Agreement (physical gas), and the ISDA Agreement with a Gas Annex (financial and physical gas).

Energy Supply Contract Management is responsible for the negotiation of master agreements and other contracts with approved suppliers with support from Legal, Resource Optimization, and Credit Risk Management. Market Operations and Trading is responsible for the negotiation of all contracts that are not entered exclusively pursuant to a master trading agreement. Energy Supply Contract Management facilitates the management of the associated Confirmations per the Energy Risk Management and Control Policy and Natural Gas Procedures Manual. Master Agreements and associated Confirmations are maintained in accordance with the Corporate Records Retention Schedule.

- D. Natural Gas Transactions:** Variations in the Companies’ natural gas requirements for the gas division, power generation, and/or the availability of generating capacity may create opportunities for purchase or sale of natural gas. Transactions with terms within the current month and next month often must be executed quickly because of reliability and related considerations. If the amount of a transaction exceeds limits set forth in Appendix A, the Gas Trader will notify the Manager, Power and Gas Trading as soon as practicable after executing the transaction. Transactions must be in compliance with the FERC, PUCN, and Company policies and procedures.

- a) **Decision to Proceed:** Market Analytics and Trading Operations will provide analytical support and documentation for gas positions.
- b) **Price Discovery:** Gas Trading will determine the prevailing market price for gas transactions using methods including, but not limited to, request for proposals, contacting counterparties, brokers, and Intercontinental Exchange.
- c) **Origination of Transactions:** Resource Optimization will use the analytical support documentation and transact in accordance with the Companies’ policies and procedures. Resource Optimization will check the transaction to ensure compliance with the limits set forth in Appendix A. If a proposed transaction exceeds one or more limits, the Gas Trader will contact Manager, Power and Gas Trading and await their authorization to proceed or other instructions prior to originating the proposed transaction. Resource Optimization will execute transactions over recorded telephone lines, under written confirmations, or on acceptable exchanges. Transactions must be in compliance with the FERC, PUCN, and Company policies and procedures.
- d) **Bid Refresh:** Bids received in response to a financial natural gas request for proposals may not be refreshed upward.

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- e) Confirmations: When transacting with a counterparty, Energy Supply Contract Management will adhere to the Confirmation requirements set forth in the master trading agreement and the Energy Risk Management and Control Policy.
- f) Documentation of Transactions: Resource Optimization will document all transactions by entering the pertinent information into the system of record.

E. Optimization of Physical Gas and Gas Transportation Assets: In order to optimize the value of physical gas and gas transportation assets, the Companies may purchase gas in one location, and use their transportation assets to move it to another location for sale, in order to capture the value of basin differentials in accordance with the Daily Gas Management and Optimization Policy.

Allowed Transactions: The Companies may acquire gas at one location, and may use transportation assets to move the gas to another location for sale, under the following circumstances:

- a) The purchase of gas, and the sale of gas, shall occur on the same Gas Day;
- b) The purchase of gas will be at a fixed price, and the sale of gas will be at a fixed price, as long as fixed prices are available;
- c) The difference between the price of the gas purchased and the price of the gas sold must be sufficient to cover all incremental gas transportation costs and yield a benefit to the Companies' customers;
- d) The transportation assets must not be required to serve native load or other obligations;
- e) The Companies shall not acquire gas transportation assets for the purpose of making sales. However, the Companies may make sales for the purpose of optimizing the value of existing gas transportation assets; and
- f) Use of transportation assets for sales using gas previously procured and not needed thus supporting balancing activity.

F. Excess or Short Gas Positions: Resource Planning and Analysis will inform the Risk Committee of adjustments to monthly gas positions (financial or physical) as part of the Energy Supply Plans update presented each month. Approved monthly physical and financial natural gas levels for Nevada Power and Sierra Pacific Power are set by the Risk Committee. Resource Planning and Analysis updates the projection of fuel requirements each month utilizing a production cost simulation model. Resource Planning and Analysis will file the approved monthly physical and financial natural gas volumes.

Projected physical and financial gas requirements change over time due to a number of factors, (e.g., changes in load forecasts, market fundamentals, planned maintenance, or variances between projected requirements and actual procurements). Changes in projected requirements will result in short and/or long gas positions relative to actual procurements. In the event there are excesses or shortages for beyond the season in which 100% of the target volumes have been procured, recommended changes may be presented to the Risk Committee by Resource Planning and Analysis. For situations in

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which there exist excesses or shortages in the period in which 100% of the target volumes have been procured, Risk Committee changes to approved volumes are not required. Instead, Resource Optimization will determine the appropriate course of action consistent with these procedures set forth below.

Resource Planning and Analysis shall distribute to Market Analytics each month a file containing the actual physical and financial gas procured and the month ahead gas forecast for the gas for the Gas Division and power generation requirements. Market Analytics shall provide Market Operations and Trading with month-ahead gas burn projections disaggregated by plant. Market Operations and Trading will resolve excesses and shortages as follows:

- 1) Physical Gas:
 - a) Nevada Power
 - For projected average daily volumes that vary from procured daily volumes by 30,000 MMBtus or more, Market Analytics will prepare a transaction plan using the best available information. Resource Optimization will transact in accordance with the transaction plan in the daily market in accordance with the Company policies and procedures.
 - b) Sierra Pacific Power
 - For projected average daily volumes that vary from procured daily volumes by 15,000 MMBtus or more, Market Analytics will prepare a transaction plan using the best available information. Resource Optimization will transact in accordance with the transaction plan in the daily market in accordance with the Company policies and procedures.
- 2) Financial Gas:
 - c) Nevada Power
 - If procured hedges are at or within 15% of targeted requirements, neither action nor analytics are required.
 - If procured hedges are beyond 15% of targeted requirements, analytics must be conducted to determine an appropriate course of action.
 - d) Sierra Pacific Power
 - If procured hedges by hub are at or within 25% of targeted requirements, neither action nor analytics are required.
 - If procured hedges by hub are beyond 25% of targeted requirements, analytics must be conducted to determine an appropriate course of action.

G. Fuel and Purchased Power Accounting: Fuel and Purchased Power Accounting is responsible for the Companies' accounting, billing, collection, and reporting efforts as they pertain to gas.

- a) Supplier Invoices: Accounting is responsible for processing supplier invoices pertaining to natural gas and pipeline transport. Energy Supply Contract Management, Risk Control, and Market Operations and Trading will assist Accounting with the resolution of settlement discrepancies if necessary.

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- b) Sales Invoices: Accounting is also responsible for processing invoices for natural gas sales by the Companies. Energy Supply Contract Management, Risk Control, and Market Operations and Trading will assist Accounting with the resolution of settlement discrepancies if necessary.
- c) Adjustments to Database(s): Risk Control will direct Market Operations and Trading to adjust the system of record to reflect the final settlements with the buyers and suppliers.

H. Records Retention: The Companies have adopted a Records Retention Policy governing the retention of documents. Records related to the Companies' natural gas procurement activities will be retained in accordance with the policy.

I. Confidentiality: All data and documents retained in conjunction with the Companies' natural gas procurement efforts will be deemed commercially sensitive if they contain:

- a) The names of counterparties;
- b) The prices paid or received for natural gas supply, transportation, and storage; or
- c) Other information covered by the confidentiality provisions of the Companies' contracts.

Commercially sensitive data and documents should only be distributed to the employees of the Companies who need access to the data and documents during the performance of their assigned duties.

Commercially sensitive data and documents should not be provided to anyone outside the Companies without the prior approval of the Legal Department.

IV. Approval and Modifications

This manual has been approved by the Risk Committee. The Director, Trading Analytics and Operations is responsible for conducting an ongoing review of the appropriateness of this manual and for the formulation of recommended changes to this manual. The recommended changes will be presented to the Risk Committee for review and approval.

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Appendix A: Approval Guidelines per Transaction

<i>Title</i>	<i>Limit – RFPs and Daily Trades*</i>
<i>Chief Executive Officer, Berkshire Hathaway Energy Company</i>	<i>Unlimited</i>
<i>Chief Executive Officer</i>	<i>\$100,000,000</i>
<i>Senior Vice President, Chief Financial Officer and Treasurer</i>	<i>\$25,000,000</i>
<i>Vice President, Resource Optimization^{[1], [2]}</i>	<i>\$12,500,000</i>
<i>Director, Trading Analytics & Operations^{3, [3]}</i>	<i>\$7,500,000</i>
<i>Director, Contract Management and Special Programs (Amendments/Settling disputes only)</i>	<i>\$7,500,000</i>
<i>Manager, Power and Gas Trading</i>	<i>\$5,000,000</i>
<i>Resource Optimization Manager</i>	<i>\$5,000,000</i>
<i>Traders</i>	<i>\$1,000,000</i>

Approval of invoices are subject to dollar thresholds in the Corporate Governance and Approvals Policy.

**** To ensure reliability, approvals of daily trades may happen after trade execution.***

^[1] Applies to transactions longer than one month

^[2] Applies to transactions pertaining to the table in Appendix D, Section C

^[3] Applies to transactions pertaining to the table in Appendix D, Section B

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Appendix B: Gas Activity Lead Matrix

Type of Gas Transaction	Activity	Trading Operations	Energy Supply Contract Management	Market Operations and Trading	Resource Planning and Analysis	Market Analytics
Asset Management	Originate/Negotiate			X		
Asset Management	Contract management		X			
Commodity	Gas projection - gas request for proposal				X	
Commodity	Gas projection - day-ahead, weekly, monthly, current season					X
Commodity	Gas projection - real-time	X				
Commodity	Originate/Negotiate			X		
Commodity	Contract management		X			
Master Trading Agreements	Originate/Negotiate		X			
Master Trading Agreements	Contract management		X			
Transport/Storage	Establish requirements				X	
Transport/Storage	Originate/Negotiate (Less than 2 years)			X		
Transport/Storage	Originate/Negotiate (Greater than 2 years)				X	
Transport/Storage	Contract management		X			
General	FERC/Canadian Regulatory Agencies - NVE intervention filings, etc.				X	
General	FERC/Canadian Regulatory Agencies - Counterparty rate case filings, etc.				X	
General	FERC/Canadian Regulatory Agencies - Tariff interpretation				X	
General	Economic analysis (Less than 2 years)					X
General	Economic analysis (Greater than 2 years)				X	
General	Planned Outage Coordination		X			

Appendix C: Policy Revision Log

Date	Revision(s)
December 22, 2014	Modified existing policy 1. Modified the title page and the table of contents page 2. Modified the introduction language 3. Updated titles and department names 4. Modified the organization framework language and responsibilities: • Removed Power Contracts • Added Commercial Trading and Strategy • Moved the Power Contracts responsibilities to Commercial Trading and Strategy and Market Operations and Trading • Replaced Gas Optimization with Market Operations and Trading • Removed Transaction and Market Analysis • Moved the Transaction and Market Analysis responsibilities to Portfolio Analytics 5. Updated the Gas Activity Lead Matrix table in Appendix B

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	6. Removed the Roles and Responsibilities table in Appendix B 7. Added a policy revision log
December 18, 2019	Modified existing policy - Updated titles and department names - Modified the organization framework language and responsibilities: - Removed Commercial Trading and Strategy - Added Trading Operations - Moved the Commercial Trading and Strategy responsibilities to Resource Planning and Analysis - Moved real-time forecasting responsibility to Trading Operations - Updated the Gas Activity Lead Matrix table in Appendix B - Removed Commercial Trading and Strategy - Added Trading Operations
November 16, 2021	Modified existing policy - Manager, Market Operations and Trading was replaced throughout the policy with the new role of Manager, Power and Gas Trading - Revised one of the responsibilities of Energy Supply Contract Management - Market Operations and Trading was replaced throughout the policy with Resource Optimization - Removed the Authorization Approval Levels table and referenced the Authorization Approval Levels in Energy Risk Management and Control Policy's through-out the document.
December 14, 2022	Modified existing policy - Updated title changes through-out the procedures - Increased CEO's threshold to \$100,000,000

EXHIBIT ATKINS-DIRECT-4

NV ENERGY

FORWARD POWER SALES PROCEDURES MANUAL

December 14, 2022

NV ENERGY FORWARD POWER SALES PROCEDURES MANUAL

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I. Introduction

This manual outlines the organization, governance, processes and procedures for Forward Sales activities for power and capacity, which will address intermediate to long-term transactions (excluding prompt month).

The procedures documented herein are consistent with the Risk Management and Control Policy and the Energy Risk Management and Control Policy. The Companies' have documented other procedures that could have an impact on the Companies' Forward Sales activities in the Power Procedures Manual, Natural Gas Procedures Manual, Credit Risk Management Policy Manual, and the Credit Procedures Manual.

II. Overview of Forward Sales

Portfolio Optimization activities address strategic, tactical, analytical, transactional, and operational issues related to structuring the Companies' portfolio of resources, including generation resources and assets, purchased power contracts, and fuel contracts, based upon reliability considerations, economic factors, and changes in anticipated load. Forward Sales are one aspect of overall Portfolio Optimization. Forward Sales activities will take place within a structured environment where policies, processes, controls, limits, and checks and balances facilitate and standardize the inspection and assessment of strategies, tactics, and transactions from their conception to potential implementation and execution. Forward Sales includes the identification and execution of intermediate to long-term power transactions within the parameters specified in Appendix A, *Statement of Strategy, Limits, and Risk Metrics for Forward Sales Activities* of this manual and Appendix D - Section A of the Energy Risk Management and Control Policy. Forward Sales may only be negotiated and executed as standard transactions as defined in section V.C.2 of the Energy Risk Management and Control Policy. The scope of the Forward Sales activities will cover the next four natural gas seasons, including the current season¹ (the "Inspection Period"); however, any transactions will be limited to the next three natural gas seasons, including the current season (the "Actionable Period"), unless authorized by the Risk Committee.

¹ The Summer Season spans April 1 through October 31. The Winter Season spans November 1 through March 31.

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III. Organizational Framework**A. Overview**

The policy framework governing the Companies' Forward Sales activities is set forth in the Risk Management and Control Policy and the Energy Risk Management and Control Policy.

This section of the manual outlines the additional responsibilities of the various Company elements to support Forward Sales activities. These Company elements include:

- Risk Committee
- Forward Sales Leadership Team
- Market Analytics
- Market Operations and Trading
- Energy Supply Contract Management
- Risk Control
- Accounting; and
- Legal

B. Risk Committee

For the purpose of this manual, Risk Committee has full authority to:

- Approve the Forward Sales strategy, limits and risk metrics (Appendix A) that will define the scope of Forward Sales activities; and
- Approve this Forward Sales Procedures Manual and any subsequent changes to this manual

C. Forward Sales Leadership Team

For the purposes of this manual, the Forward Sales Leadership Team comprises of the following personnel:

- Director, Market Analytics; and
- Manager, Market Operations and Trading

The Forward Sales Leadership Team (or a subset thereof) is responsible for:

- Proposing to the Risk Committee the Forward Sales strategy, limits and risk metrics (Appendix A) that define the scope of the Forward Sales activities;
- Reviewing and approving any changes to the analytical models being used in support

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of Forward Sales activities;

- Reviewing the position reports developed by Market Analytics; and
- Reviewing and approving the Opportunity Analysis Form.

D. Market Analytics

For the purposes of this manual, Market Analytics is responsible for:

- Maintaining the analytical models and data required to support Forward Sales activities;
- Utilizing models to analyze economic energy, capacity and fuel positions;
- Preparing position reports and conducting discussions with the Forward Sales Leadership Team to identify potential transaction opportunities related to Forward Sales;
- Provide internal costs to serve products within the transaction summary
- Performing position at risk analysis and economic benefit analysis for both potential transactions and existing Forward Sales transactions within the portfolio; and
- Preparing or assisting with the preparation of reports as directed by Risk Committee.

E. Market Operations and Trading

For the purposes of this manual, Market Operations and Trading is responsible for:

- Identifying potential transaction opportunities in support of Forward Sales objectives;
- Providing informational updates to the Risk Committee on Forward Sales efforts;
- Notifying Risk Committee when existing Forward Sales transactions fail to meet the economic or capacity criteria specified in Appendix A, Section 2 of this manual;
- Preparing the Opportunity Analysis Form;
- Corresponding with counterparties to determine market opportunities;
- Managing unsolicited proposals for Forward Sales opportunities;
- Issuing Request for Proposals and facilitating the Request for Proposal process;
- Executing the transaction plan;
- Corresponding directly with counterparties throughout the Request for Proposal process;
- Working directly with Credit and Legal to finalize contract language;
- Negotiating transactions directly with counterparties;
- Orally executing transactions with counterparties via recorded telephone line;
- Entering executed transactions into the appropriate systems of record; and

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- Records retention associated with Forward Sales efforts.

F. Credit Risk Management

For the purposes of this manual, Credit is responsible for:

- Assessing the creditworthiness of counterparties for transactions related to Forward Sales;
- Approving counterparties for transactions related to power before the Companies enter into transactions with them;
- Maintaining the Companies' list of approved counterparties for transactions related to power;
- Maintaining, updating, and reviewing the Master Bidders' List;
- Monitoring and reporting on the creditworthiness of counterparties;
- Maintaining records of the collateral posted by counterparties; the original collateral is kept in Credit;
- Resolving credit issues with counterparties;
- Reviewing and reporting on information requested by counterparties for collateral or other credit support;
- Reviewing and reporting on credit terms in contracts and confirmations related to Forward Sales;
- Notifying Resource Optimization leadership of credit exposure issues as referenced in Credit Risk Management and Control Policy;
- Calculating collateral requirements and managing collateral posted by the Companies because of transactions related to power; and
- Calculating potential exposures related to natural gas transactions.

G. Energy Supply Contract Management

For the purposes of this manual, Energy Supply Contract Management is responsible for:

- Managing energy supply contracts per their terms including the invoice settlement function for long-term power and natural gas transport contracts;
- Leading the negotiation process of Master Agreements for physical/financial gas, power and carbon;
- Maintaining counterparty contract and trading status information in the systems of record;
- Managing the confirmation process for term physical/financial gas and power transactions;
- Leading the negotiation process for non-standard power contract amendments;
- Notifying Executive Management per the Energy Supply Commitment Threshold Notification levels set forth in the Energy Risk Management and Control Policy;
- Maintaining energy supply contracts in accordance with the Corporate Records Retention Schedule; and
- Providing contract support to Resource Optimization, Credit Risk Management, Legal, Resource Planning and Analysis, Fuel & Purchased Power Accounting, etc.

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H. Risk Control

For the purposes of this manual, Risk Control is responsible for:

- Assisting the Forward Sales Leadership Team with the identification of limits and risk metrics associated with the approved Forward Sales strategies, as specified in Appendix A;
- Monitoring adherence to the Companies' relevant policies and procedures; and
- Providing information at each Risk Committee meeting identifying any forward sales that are not consistent with transactions approved under the Energy Supply Plan and verifying compliance with the Forward Power Sales Procedures Manual.

I. Accounting

For the purposes of this manual, Accounting is responsible for:

- Reviewing and identifying the ASC 815 implications of the proposed Forward Sales transaction opportunities;
- Updating and maintaining the Derivative Accounting Policies to support the Forward Sales efforts; and
- Ensuring settlements for transactions are accurately recorded in the financial system of record.

J. Legal

For the purposes of this manual, Legal is responsible for:

- Assisting the Forward Sales Leadership Team in identifying and complying with the relevant legal and regulatory requirements and guidelines pertaining to Forward Sales activities; and
- Reviewing master agreements and confirmations to facilitate Forward Sales.

IV. Forward Sales Procedures

Processes and procedures required to support the incremental transactions that Forward Sales will address are outlined below. Forward Sales activities will comply with this manual, as well as the contract management, counterparty approval, settlements, scheduling, and records retention requirements set forth in the effective power procedures, and credit procedures manuals.

A. Limits on Transactions

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Forward Sales activities will be in compliance with the authority limits set forth in the Energy Risk Management and Control Policy, including but not limited to Appendix D - Section B and Forward Sales strategies and limits as stated in Appendix A of this document.

B. Strategy Development

Market Operations and Trading will present proposed Forward Sales strategies to the Risk Committee for approval. Approved strategies will be represented in *Appendix A, Statement of Strategy, Limits, and Risk Metrics for Forward Sales Activities*.

C. Market Analysis

On an ongoing basis, Market Operations and Trading will perform market analysis to help inform management with regard to the risks and opportunities that may arise from the Companies' Forward Sales activities. Market factors to be considered may include regional energy supply and demand drivers, environmental considerations, and regulatory developments, among others.

D. Position Reporting

Market Analytics will use a dispatch model² to analyze and report on the Companies' respective capacity, economic energy, and fuel burn positions (as needed). The position reports will include the expected positions as well as uncertainty around the expected positions. The uncertainty around the expected positions will be analyzed using a Monte Carlo simulation within the dispatch model and will be reported at various confidence levels³ and at a monthly level for the Inspection Period.

E. Opportunity Analysis Form

Market Operations and Trading will prepare the Opportunity Analysis Form to summarize Forward Sales transaction opportunities.

F. Transaction Execution

Forward Sales transactions will be executed through either a Request for Proposal process or direct negotiations with a counterparty. The direct negotiation process will be used if a counterparty presents a Forward Sales transaction opportunity to the Companies.

G. Transmission Service Transactions

Resource Optimization may purchase power transmission service to support the Forward

² Market Analytics will maintain documentation regarding the model including the underlying approach, sources of model inputs, model parameters and their estimation, model outputs and any other relevant model details.

³ For example, a Position at Risk statement could indicate that there is a 95% probability that the Net Capacity position will exceed 100 MW for on-peak hours during a given month.

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Sales transactions. The requirement to obtain power transmission service will be considered by Market Operations and Trading. These transactions will be executed per the guidelines specified in the Power Procedures Manual.

V. Approval and Modifications

This manual has been approved by the Risk Committee. The Vice President of Resource Optimization will be responsible for conducting an ongoing review of the appropriateness of this manual and for the formulation of recommended changes to this manual. The recommended changes will be presented to the Risk Committee for review and approval.

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Appendix A: Statement of Strategy, Limits, and Risk Metrics for Forward Sales Activities

The Companies operate generation resources and assets and transact in various markets for physical commodities and financial instruments to the end of prudently serving power and gas customers in their respective service territories. Their operations are guided by primary objectives that are indicated in the Companies' respective Energy Supply Plans, namely balancing the principle objectives of:

- Minimizing the cost of supply, which includes mitigating ratepayer costs by optimizing power and fuel resources in the light of changing projected loads, resources, and market conditions;
- Minimizing retail price volatility; and
- Maximizing the reliability of energy supply over the term of the energy supply plan.

1. Strategy Statement

The Companies' primary strategy regarding Forward Sales activities is to sell capacity, energy, and ancillary services from available generation on a forward basis. The Companies' will enter into Forward Sales transactions only if they have confidence, as articulated through the probabilities in the tables below, that they will have a long capacity position and that the transactions will yield positive economic benefits for their customers (i.e., a favorable impact on estimated net system production cost defined as the difference between estimated incremental revenue and estimated incremental system cost). Forward products sold by the Companies will have delivery periods not to exceed the next three gas seasons, unless authorized by the Risk Committee. The Companies' may have to procure natural gas and transportation to meet the obligations attributable to the Forward Sales transactions. However, any heat rate call options will be structured such that the fuel cost risk is borne by the counterparty.

2. Limits and Risk Metrics Statement – Portfolio Analytics and Management**A. Position at Risk Analysis – Potential Transactions**

Position at Risk analysis will be used to assess the probability that the Companies' capacity position may fall below the specified threshold level. The Companies will only initiate transactions if the position at risk analysis indicates that by doing so the criteria in the table below (i.e., Capacity Position after potential Transaction) will be satisfied on the transaction date.

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Criteria for Position at Risk Analysis (regarding potential transactions)			
	Probability level	Capacity Position after Transaction	Forwardness of transaction
1 ⁴	80%	> 0 MW	1st gas season
2	80%	> 0 MW	2nd gas season
3	90%	> 0 MW	3rd gas season

B. Economic Benefit Analysis – Potential Transactions

Economic benefit analysis will be used to assess the probability that the transactions will yield positive economic benefits to the Companies' customers. The Companies' will only initiate transactions if the economic benefit analysis indicates that by doing so the criteria in the table below (i.e., Projected Economic Benefits after potential Transaction) will be satisfied on the transaction date.

Criteria for Economic Benefit Analysis (regarding potential transactions)			
	Probability level	Projected Economic Benefits after Transaction	Forwardness of transaction
1 ⁵	Higher of 68% or the p-level in which the gain/loss ratio equals 7:1	> \$0	All gas seasons

C. Stand-alone Valuation

The Companies reserve the right not to enter into a transaction if the Companies' stand-alone valuation of the transaction⁶ supports a conclusion that the option premium, or fixed energy price, should be greater than the bids of prospective counterparties. The Companies may indicate a bid price floor as a way of providing guidance to prospective counterparties.

D. Amount of Capacity or Energy for Sale

The Companies' reserve the right to sell portions of future capacity or energy indicated in

⁴ For example, the criterion for the 1st gas season represents the following statement: There is an 80% probability that the net capacity position will be greater than 0 MW after the transaction.

⁵ For example, the criterion for the 1st gas season represents the following statement: There is a 68% probability that the economic benefit from the transaction that is being investigated will be greater than \$0.

⁶ For the stand alone valuation, the Companies' will use financial or other modeling tools

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the Position at Risk analysis in lots that seek to be as uniform as possible, to be proportionate to the estimated number of Request for Proposal opportunities remaining to delivery, and to recognize the status of the Companies' energy supply resources, the prevailing conditions in the energy markets, and other factors relevant to the analyses.

E. Position at Risk Analysis – Existing Transactions

At least once a month, or more frequently if warranted due to material changes in the status of the Companies' energy supply resources, the prevailing conditions in the energy markets, or other factors relevant to the analyses, the Companies' will conduct a position at risk analysis of existing Forward Sales within the portfolio and will notify the Risk Committee if the criteria in the table below (i.e., Capacity Position) are not satisfied.

Criteria for Position at Risk Analysis (regarding portfolio management)			
	Probability level	Capacity Position	Forwardness of transaction
1	80%	> 0 MW	1st gas season
2	80%	> 0 MW	2nd gas season
3	90%	> 0 MW	3rd gas season

F. Economic Benefit Analysis – Existing Transactions

At least once a month, or more frequently if warranted due to material changes in the status of the Companies' energy supply resources, the prevailing conditions in the energy markets, or other factors relevant to the analyses, the Companies' will conduct an economic benefit analysis of existing Forward Sales within the portfolio and will notify the Risk Committee if the criteria in the table below (i.e., Projected Economic Benefits) are not satisfied.

Criteria for Economic Benefit Analysis (regarding portfolio management)			
	Probability level	Projected Economic Benefits	Forwardness of transaction
1	68%	> \$0	All gas seasons

G. Fuel Purchases to support energy sales

The Companies' reserve the right to purchase fuel to support Forward Sales not to exceed the next three gas seasons unless approved by the Risk Committee.

H. Remedial Actions

If the position at risk criteria and the economic benefit criteria are not satisfied, Market Operations and Trading will notice and make recommendations to Risk Committee for

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remedial actions to restore the Companies' portfolio of transactions to a position consistent with the above-cited criteria. The Companies will only consider remedial actions available to the Companies', given the status of the Companies' energy supply resources, the prevailing conditions in the energy markets, and other factors relevant to the analyses.

3. Forward Sales Process

- A. Identification:** Market Operations and Trading will identify potential Forward Sales transaction opportunities of products to be considered that comply with the parameters specified in Appendix A of this manual and the list of approved products included in Appendix D, Section A of the Energy Risk Management and Control Policy.
- B. Opportunity Evaluation:** Market Operations and Trading will complete an Opportunity Analysis Form, taking into consideration the input from Market Analytics and the Forward Sales Leadership Team. The Opportunity Analysis Form shall include terms of the proposed Forward Sales transaction opportunities, the potential impact of the proposed transaction on the portfolio as a whole, and an assessment of the following types of risk:
- 1. Position:** position at risk considerations associated with the proposed transaction opportunity, including but not limited to the risk and associated cost of re-purchasing capacity that had previously been sold forward.
 - 2. Market:** market related considerations such as liquidity in the proposed product, availability of potential counterparties, availability and cost of transmission required to service the proposed transaction opportunity, availability of exit opportunities, etc.
 - 3. Credit:** credit risk associated with the proposed transaction opportunity and approval from credit of the proposed counterparty (required only when the counterparty has been identified in the Opportunity Analysis Form).
 - 4. Operational:** operational considerations such as the expected availability of generating assets being used to support the proposed transaction opportunity.
 - 5. Legal:** regulatory requirements or constraints associated with the proposed transaction opportunity.
 - 6. Accounting:** derivative accounting implications of the proposed transaction opportunity.
 - 7. Other:** other factors, for example, capital and liquidity requirements to support the proposed transaction opportunity.

The Opportunity Analysis Form also will include a description of the transaction execution approach, i.e., through a Request for Proposal process or through direct negotiations.

4. Requests for Proposals Process

Forward Sales transactions can be originated through the issuance of a Request for Proposal.

- A. Notice to Proceed:** At least two days before a Request for Proposal is issued, Market

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Operations and Trading will prepare the Opportunity Analysis Form. The Opportunity Analysis Form will be issued to Risk Control, Credit, Legal, Accounting and the Forward Sales Leadership Team for notification of the intent to solicit proposals.

B. Records Retention Code: Market Operations and Trading is responsible for accumulating and storing the records attributable to Forward Sales Request for Proposals. Market Operations and Trading will assign a code for the Request for Proposal prior to issuing the notice of solicitation. The assigned code will be placed on the Request for Proposal and all associated correspondence initiated by Market Operations and Trading.

C. Notice of Solicitation: At least two days before a Request for Proposal is issued, Market Operations and Trading will notify the following personnel (or their designated representatives) of the intent to solicit proposals:

- Director, Market Analytics;
- Manager, Market Operations and Trading;
- Manager, Energy Supply Contract Management;
- Manager, Risk Control; and
- Credit (Sr Business Risk Control Analyst).

The notice of solicitation will be by email and will contain the following information:

- the date or dates on which bids will be solicited;
- the date or dates on which bids will be received; and
- the types of products for which bids will be solicited.

D. Request for Proposals: Market Operations and Trading will issue the Request for Proposals to include the following information:

- types of products for which proposals are being solicited;
- delivery period or periods for which proposals are being solicited;
- delivery point or points for which proposals are being solicited;
- type or types of pricing deemed acceptable e.g., indexed;
- acceptable index or indices for indexed transactions;
- method or methods by which bids can be submitted;
- the deadline for submitting bids; and
- other information reasonably required by counterparties seeking to return responsive proposals.

At a minimum, the prospective counterparties should be asked to provide the following information in their proposals:

- the types of products being bid;
- the delivery period or periods for which the product is being bid;
- the delivery point or points for the product;
- the quantity of product bid;
- the price(s), price formula(s), or index; and
- the special terms and conditions, if any, applicable to the transaction.

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Market Operations and Trading will forward copies of the bids to Market Analytics for tabulation and evaluation. Market Operations and Trading will also forward copies of the bids to Credit, Legal and Energy Supply Contract Management for evaluation of any non-standard terms and conditions. Those groups will review and convey any concerns to Market Operations and Trading.

- E. Deal Analysis:** Market Analytics will provide Market Operations and Trading with a transaction summary identifying potential transaction opportunities for consideration that comply with the parameters specified in Appendix A of this manual. Market Operations and Trading will propose a transaction plan⁷ which includes all the deal details. The transaction plan will also list the reasons for rejecting the unsuccessful bids.⁸
- F. Negotiation and Execution of Contracts:** Market Operations and Trading will only negotiate and execute contracts consistent with the transaction plan. If a prospective counterparty wants to alter its bid prior to completion of negotiations, Market Operations and Trading will forward any relevant revision to Credit, Legal and Energy Supply Contract Management and Market Analytics for review. If the revised proposal is deemed acceptable, Market Operations and Trading will modify the transaction plan accordingly.
- G. Transaction Notification:** Energy Supply Contract Management will circulate the Energy Supply Commitment Threshold Notification Form for each power or gas confirmation with a contract value greater than \$5 million for signature(s) in accordance with the Companies' Energy Risk Management and Control Policy. Completion of the Energy Supply Commitment Threshold Notification Form occurs after execution of the confirmation.
- H. Documentation of Transactions:** The Companies' use two systems to record transactions. One deal capture system is used to record actual deliveries to and from the Companies' systems attributable to all of the Companies' power purchases and sales on a daily basis. However, that database is not used to record financial transactions. Those transactions and all of the purchases and sales with terms of one month or longer are recorded in the other deal capture system; the entries in this deal capture system do not reflect actual deliveries.
- Market Operations and Trading will enter all Forward Sales transactions with terms one month or greater into the appropriate database(s). The transaction details will contain the following information:
- type of transaction;
 - Company for which the transaction was originated;
 - nature of the transaction (purchase or sale);

⁷ The transaction plan may be the same document(s) as the tabulation of bids and the tabulation of special terms and conditions.

⁸ Bids that are late or incomplete may be rejected without further evaluation.

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- name of the counterparty;
- name of the counterparty's representative, if applicable;
- delivery point;
- quantities of commodity;
- start date of the transaction;
- end date of the transaction;
- pricing terms;
- identification of the Companies' representative; and
- any special terms and conditions.

Risk Control will review the entries for accuracy. Any discrepancies between the transaction details entered in the system and the recorded transaction or confirmation will be reported and promptly resolved.

- I. Records Retention:** The Companies have adopted a Records Retention Policy governing the retention of documents. Records related to the Companies' forward power sales activities will be retained in accordance with the policy.

5. Direct Negotiation Process

Forward Sales transactions can also be originated through direct negotiations with counterparty.

- A. Notice to Proceed:** Market Operations and Trading will prepare the Opportunity Analysis Form. The Opportunity Analysis Form will be issued to Risk Control, Credit, Legal, Accounting and the Forward Sales Leadership Team for notification of intent to enter into direct negotiation for a Forward Sales Transaction.
- B. Records Retention Code:** Market Operations and Trading is responsible for accumulating and storing the records attributable to the transaction. Market Operations and Trading will assign and utilize a code prior to negotiating the contract terms with the counterparty. The assigned code will be placed on the contract and all associated correspondence initiated by Market Operations and Trading.
- C. Negotiation and Execution of Contracts:** Market Operations and Trading will only negotiate and execute contracts consistent with the transaction plan. If a prospective counterparty wants to alter its bid prior to completion of negotiations, Market Operations and Trading will forward any relevant revision to Credit, Legal, Energy Supply Contract Management and Market Analytics for review. If the revised proposal is deemed acceptable, Market Operations and Trading will modify the transaction plan accordingly.
- D. Transaction Notification:** Energy Supply Contract Management will circulate the Energy Supply Commitment Threshold Notification Form with contract values greater than \$5 million for signature in accordance with the Companies' Energy Risk

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Management and Control Policy. Completion of the Energy Supply Commitment Threshold Notification Form occurs after execution of the confirmation.

E. Documentation of Transactions: The Companies' use two systems to record transactions. One deal capture system is used to record actual deliveries to and from the Companies' systems attributable to all of the Companies' transactions on a daily basis. However, that database is not used to record financial transactions. Those transactions and all of the transactions with terms of one month or longer are recorded in the other deal capture system; the entries in this deal capture system do not reflect actual deliveries.

Market Operations and Trading will enter all Forward Sales transactions with terms greater than one month into the appropriate database(s). The transaction details will contain the following information:

- type of transaction;
- Company for which the transaction was originated;
- nature of the transaction (purchase or sale);
- name of the counterparty;
- name of the counterparty's representative, if applicable;
- delivery point;
- quantities of commodity;
- start date of the transaction;
- end date of the transaction;
- pricing terms;
- identification of the Companies' representative; and
- any special terms and conditions.

Risk Control will review the entries for accuracy. Any discrepancies between the information entered into the system and the recorded transaction or confirmation will be promptly resolved.

F. Records Retention: The Companies have adopted a Records Retention Policy governing the retention of documents. Records related to the Companies' forward power sales activities will be retained in accordance with the policy.

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Appendix B: Opportunity Analysis Form

Date:

Summary: Provide a brief summary of the proposed transaction opportunity

Key Findings: Provide a brief summary of the key finding from the position-at-risk analysis

Potential Products: Describe proposed transaction type

Terms: Describe proposed transaction opportunity terms

Counterparty: Identify the counterparty name if already known

Valuation: State the fair value of the proposed transaction opportunity

Portfolio Impact: Describe the impact of the proposed transaction on the portfolio. For example, change in the energy and capacity position if the proposed transaction opportunity is executed.

Benefits: Describe impact of the proposed transaction opportunity on fuel and purchased power costs

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Risk Analysis:

Risk	Risk Mitigation
Position (enumerate position at risk considerations here)	(describe risk mitigation strategy)
Market (enumerate market risk considerations here)	(describe risk mitigation strategy)
Credit (enumerate credit risk considerations here)	(describe risk mitigation strategy)
Operational (enumerate operational risk considerations here)	(describe risk mitigation strategy) For example, describe how the proposed transaction will be structured to reflect the characteristics and costs of the underlying generation unit
Regulatory / Legal (enumerate regulatory / legal risk considerations here)	(describe risk mitigation strategy)
Others (enumerate other risk considerations here)	(describe risk mitigation strategy) For example, describe the impact of proposed transaction on fuel and purchased power costs

Exit Strategy: Describe plan of action if NV Energy had to unwind the position. Also, discuss relevant considerations here.

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Accounting: Describe any accounting or ASC 815 considerations here.

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Appendix C: Procedure Revision Log

Date	Revision(s)
[need date]	Modified Existing Policy. 1. Updated titles of personnel and department titles. 2. Updated table of contents. 3. Removed language from Risk Committee approving the Opportunity Analysis and Approval Form ("OA&A). 4. Added Risk Control, Credit, Legal, Accounting and the Forward Sales Leadership Team as the reviewers and approvers of the OA&A form and removed "ERC." 5. Clarified the Transaction Notification and reduced the threshold notification from \$7.5 million to \$5 million. 6. Added definition of standard transaction
December 18, 2019	Modified existing policy 1. Updated titles and department names 2. Modified the organizational framework language and responsibilities: • Replaced Power Origination with Market Operations and Trading • Replaced Portfolio Analytics with Market Analytics 3. Modified the notice of solicitation to personnel essential to the successful execution and completion of the Request for Proposal 4. Replaced the Opportunity Analysis and Approval Form with an Opportunity Analysis Form
November 16, 2022	Modified existing policy 1. Updated titles

Revisions approved by the Risk Committee on December 14, 2022

EXHIBIT ATKINS-DIRECT-5

Trade	Type	Position	Trade Decision	Flow Date	Block	Product	Quantity	Point	Price
294579	RT	SELL	ECONOMIC	01/01/2023	Hourly	FP	30	MEAD230	172
274046	Term	BUY	ECONOMIC	01/01/2023	Hourly	FP	120	MEAD230	41.99
294581	RT	SELL	ECONOMIC	01/02/2023	Hourly	FP	150	MEAD230	150
274046	Term	BUY	ECONOMIC	01/02/2023	Hourly	FP	120	MEAD230	41.99
294584	RT	SELL	ECONOMIC	01/03/2023	Hourly	FP	150	MEAD230	190
294585	RT	SELL	ECONOMIC	01/03/2023	Hourly	FP	250	MEAD230	240
294588	RT	SELL	ECONOMIC	01/03/2023	Hourly	FP	200	MEAD230	330
274046	Term	BUY	ECONOMIC	01/03/2023	Hourly	FP	120	MEAD230	41.99
294599	RT	SELL	ECONOMIC	01/04/2023	Hourly	FP	295	MEAD230	240
294594	RT	SELL	ECONOMIC	01/04/2023	Hourly	FP	100	MEAD230	225
294595	RT	SELL	ECONOMIC	01/04/2023	Hourly	FP	50	MEAD230	225
274046	Term	BUY	ECONOMIC	01/04/2023	Hourly	FP	120	MEAD230	41.99
294613	RT	SELL	ECONOMIC	01/05/2023	Hourly	FP	50	HILLTOP345	150
294603	RT	SELL	ECONOMIC	01/05/2023	Hourly	FP	105	MEAD230	215
294604	RT	SELL	ECONOMIC	01/05/2023	Hourly	FP	35	MEAD230	215
294607	RT	SELL	ECONOMIC	01/05/2023	Hourly	FP	1050	MEAD230	245
274046	Term	BUY	ECONOMIC	01/05/2023	Hourly	FP	120	MEAD230	41.99
294624	RT	SELL	ECONOMIC	01/06/2023	Hourly	FP	300	MEAD230	215
274046	Term	BUY	ECONOMIC	01/06/2023	Hourly	FP	120	MEAD230	41.99
294621	RT	SELL	ECONOMIC	01/06/2023	Hourly	FP	200	MEAD230	210
294629	RT	SELL	ECONOMIC	01/07/2023	Hourly	FP	250	MEAD230	190
274046	Term	BUY	ECONOMIC	01/07/2023	Hourly	FP	120	MEAD230	41.99
294625	RT	SELL	ECONOMIC	01/07/2023	Hourly	FP	100	NAVAJO500	155
294626	RT	SELL	ECONOMIC	01/07/2023	Hourly	FP	15	NAVAJO500	155
294633	RT	SELL	ECONOMIC	01/08/2023	Hourly	FP	150	MEAD230	180
274046	Term	BUY	ECONOMIC	01/08/2023	Hourly	FP	120	MEAD230	41.99
294635	RT	SELL	ECONOMIC	01/08/2023	Hourly	FP	150	MEAD230	165
294636	RT	SELL	ECONOMIC	01/08/2023	Hourly	FP	50	MEAD230	160
274046	Term	BUY	ECONOMIC	01/09/2023	Hourly	FP	120	MEAD230	41.99
294650	LD	BUY	ECONOMIC	01/09/2023	Hourly	FP	-5	MEAD230	41.99
294636	RT	SELL	ECONOMIC	01/09/2023	Hourly	FP	100	MEAD230	160
294639	RT	SELL	ECONOMIC	01/09/2023	Hourly	FP	60	NAVAJO500	160
294644	RT	SELL	ECONOMIC	01/09/2023	Hourly	FP	300	MEAD230	250
294616	DA	SELL	ECONOMIC	01/09/2023	Heavy Load	FP	800	MEAD230	170
294658	RT	SELL	ECONOMIC	01/10/2023	Hourly	FP	45	NAVAJO500	157
294653	RT	SELL	ECONOMIC	01/10/2023	Hourly	FP	180	MEAD230	185
294656	RT	SELL	ECONOMIC	01/10/2023	Hourly	FP	150	MEAD230	205
274046	Term	BUY	ECONOMIC	01/10/2023	Hourly	FP	120	MEAD230	41.99
294648	RT	BUY	ECONOMIC	01/10/2023	Hourly	FP	236	MEAD230	85
294649	RT	BUY	ECONOMIC	01/10/2023	Hourly	FP	250	MEAD230	83
294660	RT	SELL	ECONOMIC	01/11/2023	Hourly	FP	100	MEAD230	185
274046	Term	BUY	ECONOMIC	01/11/2023	Hourly	FP	120	MEAD230	41.99
274046	Term	BUY	ECONOMIC	01/12/2023	Hourly	FP	120	MEAD230	41.99
294665	RT	SELL	ECONOMIC	01/13/2023	Hourly	FP	100	MEAD230	210
274046	Term	BUY	ECONOMIC	01/13/2023	Hourly	FP	120	MEAD230	41.99
274046	Term	BUY	ECONOMIC	01/14/2023	Hourly	FP	120	MEAD230	41.99
294667	RT	SELL	ECONOMIC	01/14/2023	Hourly	FP	50	MEAD230	175

294675	RT	SELL	ECONOMIC	01/14/2023	Hourly	FP	270	NAVAJO500	160
294669	RT	SELL	ECONOMIC	01/14/2023	Hourly	FP	500	NAVAJO500	160
294670	RT	SELL	ECONOMIC	01/14/2023	Hourly	FP	105	MEAD230	165
274046	Term	BUY	ECONOMIC	01/15/2023	Hourly	FP	120	MEAD230	41.99
294679	RT	SELL	ECONOMIC	01/15/2023	Hourly	FP	200	REDB	135
294690	RT	SELL	ECONOMIC	01/15/2023	Hourly	FP	200	MEAD230	190
294683	RT	BUY	ECONOMIC	01/15/2023	Hourly	NFP	40	MEAD230	50
294684	RT	SELL	ECONOMIC	01/15/2023	Hourly	FP	500	MEAD230	200
294685	RT	SELL	ECONOMIC	01/15/2023	Hourly	FP	75	REDB	132
294697	RT	SELL	ECONOMIC	01/16/2023	Hourly	FP	60	MEAD230	150
274046	Term	BUY	ECONOMIC	01/16/2023	Hourly	FP	120	MEAD230	41.99
294693	RT	SELL	ECONOMIC	01/16/2023	Hourly	FP	25	NAVAJO500	150
294694	RT	SELL	ECONOMIC	01/16/2023	Hourly	FP	15	NAVAJO500	150
294701	RT	SELL	ECONOMIC	01/16/2023	Hourly	FP	50	NAVAJO500	135
294713	RT	SELL	ECONOMIC	01/17/2023	Hourly	FP	50	NAVAJO500	165
294719	RT	SELL	ECONOMIC	01/17/2023	Hourly	FP	300	MEAD230	232
294720	RT	SELL	ECONOMIC	01/17/2023	Hourly	FP	40	REDB	212
274046	Term	BUY	ECONOMIC	01/17/2023	Hourly	FP	120	MEAD230	41.99
294701	RT	SELL	ECONOMIC	01/17/2023	Hourly	FP	150	NAVAJO500	135
294704	RT	SELL	ECONOMIC	01/17/2023	Hourly	FP	50	MEAD230	146
294705	RT	SELL	ECONOMIC	01/17/2023	Hourly	FP	10	MEAD230	165
294706	RT	SELL	ECONOMIC	01/17/2023	Hourly	FP	25	REDB	129
294712	RT	SELL	ECONOMIC	01/17/2023	Hourly	FP	100	REDB	182
294740	RT	SELL	ECONOMIC	01/18/2023	Hourly	FP	100	MEAD230	195
294743	RT	SELL	ECONOMIC	01/18/2023	Hourly	FP	600	MEAD230	275
274046	Term	BUY	ECONOMIC	01/18/2023	Hourly	FP	120	MEAD230	41.99
294725	RT	SELL	ECONOMIC	01/18/2023	Hourly	FP	300	NAVAJO500	180
294728	RT	SELL	ECONOMIC	01/18/2023	Hourly	FP	225	MEAD230	205
294729	RT	SELL	ECONOMIC	01/18/2023	Hourly	FP	84	MEAD230	195
294730	RT	SELL	ECONOMIC	01/18/2023	Hourly	FP	39	MEAD230	215
294731	RT	SELL	ECONOMIC	01/18/2023	Hourly	FP	50	MEAD230	220
294732	RT	SELL	ECONOMIC	01/18/2023	Hourly	FP	50	MEAD230	220
294741	LD	SELL	ECONOMIC	01/18/2023	Hourly	FP	-84	MEAD230	195
294747	RT	SELL	ECONOMIC	01/18/2023	Hourly	FP	90	NAVAJO500	195
294757	RT	SELL	ECONOMIC	01/19/2023	Hourly	FP	80	NAVAJO500	185
274046	Term	BUY	ECONOMIC	01/19/2023	Hourly	FP	120	MEAD230	41.99
294750	RT	SELL	ECONOMIC	01/19/2023	Hourly	FP	300	MEAD230	285
294761	RT	SELL	ECONOMIC	01/19/2023	Hourly	FP	50	NAVAJO500	185
294762	RT	SELL	ECONOMIC	01/19/2023	Hourly	FP	100	REDB	183
294783	RT	SELL	ECONOMIC	01/20/2023	Hourly	FP	75	MEAD230	150
274046	Term	BUY	ECONOMIC	01/20/2023	Hourly	FP	120	MEAD230	41.99
294778	RT	BUY	ECONOMIC	01/20/2023	Hourly	FP	80	NAVAJO500	70
294779	RT	SELL	ECONOMIC	01/20/2023	Hourly	FP	30	MEAD230	145
294768	RT	SELL	ECONOMIC	01/20/2023	Hourly	FP	300	MEAD230	145
294769	RT	SELL	ECONOMIC	01/20/2023	Hourly	FP	50	NAVAJO500	220
294773	RT	SELL	ECONOMIC	01/20/2023	Hourly	FP	400	MEAD230	230
294753	DA	SELL	ECONOMIC	01/20/2023	Hourly	FP	200	MEAD230	220
294783	RT	SELL	ECONOMIC	01/21/2023	Hourly	FP	150	MEAD230	150

294785	RT	SELL	ECONOMIC	01/21/2023	Hourly	FP	125	MEAD230	220
294786	RT	SELL	ECONOMIC	01/21/2023	Hourly	FP	260	MEAD230	230
274046	Term	BUY	ECONOMIC	01/21/2023	Hourly	FP	120	MEAD230	41.99
294790	RT	SELL	ECONOMIC	01/21/2023	Hourly	FP	115	MEAD230	120
294794	RT	SELL	ECONOMIC	01/21/2023	Hourly	FP	260	MEAD230	175
294754	DA	SELL	ECONOMIC	01/21/2023	Hourly	FP	200	MEAD230	220
294797	RT	SELL	ECONOMIC	01/22/2023	Hourly	FP	300	NAVAJO500	155
274046	Term	BUY	ECONOMIC	01/22/2023	Hourly	FP	120	MEAD230	41.99
294801	RT	SELL	ECONOMIC	01/22/2023	Hourly	FP	225	NAVAJO500	140
294802	RT	SELL	ECONOMIC	01/22/2023	Hourly	FP	180	NAVAJO500	155
294808	RT	BUY	ECONOMIC	01/23/2023	Hourly	FP	40	MEAD230	40
274046	Term	BUY	ECONOMIC	01/23/2023	Hourly	FP	120	MEAD230	41.99
274046	Term	BUY	ECONOMIC	01/24/2023	Hourly	FP	120	MEAD230	41.99
274046	Term	BUY	ECONOMIC	01/25/2023	Hourly	FP	120	MEAD230	41.99
294810	RT	SELL	ECONOMIC	01/25/2023	Hourly	FP	155	NAVAJO500	247
294816	RT	SELL	ECONOMIC	01/25/2023	Hourly	FP	60	NAVAJO500	195
274046	Term	BUY	ECONOMIC	01/26/2023	Hourly	FP	120	MEAD230	41.99
294819	RT	SELL	ECONOMIC	01/26/2023	Hourly	FP	75	MEAD230	195
294820	RT	SELL	ECONOMIC	01/26/2023	Hourly	FP	165	NAVAJO500	180
294826	RT	SELL	ECONOMIC	01/26/2023	Hourly	FP	90	NAVAJO500	150
294827	RT	SELL	ECONOMIC	01/26/2023	Hourly	FP	160	MEAD230	160
294828	RT	SELL	ECONOMIC	01/26/2023	Hourly	FP	40	NAVAJO500	150
294831	RT	SELL	ECONOMIC	01/26/2023	Hourly	FP	200	NAVAJO500	140
294814	DA	SELL	ECONOMIC	01/26/2023	Light Load	FP	200	MEAD230	147
274046	Term	BUY	ECONOMIC	01/27/2023	Hourly	FP	120	MEAD230	41.99
294838	RT	SELL	ECONOMIC	01/27/2023	Hourly	FP	300	MEAD230	110
294843	RT	SELL	ECONOMIC	01/27/2023	Hourly	FP	250	NAVAJO500	110
294846	RT	SELL	ECONOMIC	01/28/2023	Hourly	FP	200	NAVAJO500	84
294849	RT	SELL	ECONOMIC	01/28/2023	Hourly	FP	100	MEAD230	122
294850	RT	SELL	ECONOMIC	01/28/2023	Hourly	FP	50	NAVAJO500	118
274046	Term	BUY	ECONOMIC	01/28/2023	Hourly	FP	120	MEAD230	41.99
294857	RT	SELL	ECONOMIC	01/29/2023	Hourly	FP	200	MEAD230	122
274046	Term	BUY	ECONOMIC	01/29/2023	Hourly	FP	120	MEAD230	41.99
294860	RT	SELL	ECONOMIC	01/29/2023	Hourly	FP	200	MEAD230	170
294868	RT	SELL	ECONOMIC	01/30/2023	Hourly	FP	150	MEAD230	170
294870	RT	SELL	ECONOMIC	01/30/2023	Hourly	FP	84	MEAD230	220
274046	Term	BUY	ECONOMIC	01/30/2023	Hourly	FP	120	MEAD230	41.99
294873	RT	SELL	ECONOMIC	01/30/2023	Hourly	FP	60	NAVAJO500	120
294874	RT	SELL	ECONOMIC	01/30/2023	Hourly	FP	300	REDB	108
294875	RT	SELL	ECONOMIC	01/30/2023	Hourly	FP	100	NAVAJO500	120
274046	Term	BUY	ECONOMIC	01/31/2023	Hourly	FP	120	MEAD230	41.99
274046	Term	BUY	ECONOMIC	02/01/2023	Hourly	FP	120	MEAD230	41.99
294882	RT	BUY	RELIABILITY	02/01/2023	Hourly	FP	150	NORTHSYS	300
274046	Term	BUY	ECONOMIC	02/02/2023	Hourly	FP	120	MEAD230	41.99
294886	RT	SELL	ECONOMIC	02/02/2023	Hourly	FP	240	NAVAJO500	55
294889	RT	SELL	ECONOMIC	02/02/2023	Hourly	FP	150	NAVAJO500	125
294884	RT	SELL	ECONOMIC	02/02/2023	Hourly	FP	75	MEAD230	160
294896	RT	SELL	ECONOMIC	02/03/2023	Hourly	FP	80	MEAD230	53

274046	Term	BUY	ECONOMIC	02/03/2023	Hourly	FP	120	MEAD230	41.99
294893	RT	SELL	ECONOMIC	02/03/2023	Hourly	FP	75	MEAD230	85
274046	Term	BUY	ECONOMIC	02/04/2023	Hourly	FP	120	MEAD230	41.99
294899	RT	SELL	ECONOMIC	02/05/2023	Hourly	FP	60	NAVAJO500	68
274046	Term	BUY	ECONOMIC	02/05/2023	Hourly	FP	120	MEAD230	41.99
274046	Term	BUY	ECONOMIC	02/06/2023	Hourly	FP	120	MEAD230	41.99
294906	RT	SELL	ECONOMIC	02/06/2023	Hourly	FP	138	NAVAJO500	82
294908	RT	SELL	ECONOMIC	02/07/2023	Hourly	FP	35	NAVAJO500	70
274046	Term	BUY	ECONOMIC	02/07/2023	Hourly	FP	120	MEAD230	41.99
294903	DA	SELL	ECONOMIC	02/07/2023	Light Load	FP	400	MEAD230	42
294904	DA	SELL	ECONOMIC	02/07/2023	Light Load	FP	200	MEAD230	44
294917	RT	BUY	RELIABILITY	02/08/2023	Hourly	FP	600	MEAD230	120
274046	Term	BUY	ECONOMIC	02/08/2023	Hourly	FP	120	MEAD230	41.99
294911	DA	SELL	ECONOMIC	02/08/2023	Light Load	FP	200	MEAD230	50
294912	DA	SELL	ECONOMIC	02/08/2023	Light Load	FP	200	MEAD230	50
294915	RT	SELL	ECONOMIC	02/08/2023	Hourly	FP	135	NAVAJO500	35
274046	Term	BUY	ECONOMIC	02/09/2023	Hourly	FP	120	MEAD230	41.99
294920	RT	SELL	ECONOMIC	02/09/2023	Hourly	FP	200	M345	42
294914	DA	SELL	ECONOMIC	02/09/2023	Light Load	FP	400	NORTHSYS	53
294939	RT	SELL	ECONOMIC	02/10/2023	Hourly	FP	30	NAVAJO500	76
294940	RT	SELL	ECONOMIC	02/10/2023	Hourly	FP	20	NAVAJO500	68
274046	Term	BUY	ECONOMIC	02/10/2023	Hourly	FP	120	MEAD230	41.99
294919	DA	SELL	ECONOMIC	02/10/2023	Hourly	FP	1200	NORTHSYS	53
274046	Term	BUY	ECONOMIC	02/11/2023	Hourly	FP	120	MEAD230	41.99
294919	DA	SELL	ECONOMIC	02/11/2023	Hourly	FP	1200	NORTHSYS	53
294944	RT	SELL	ECONOMIC	02/12/2023	Hourly	FP	90	MEAD230	87
274046	Term	BUY	ECONOMIC	02/12/2023	Hourly	FP	120	MEAD230	41.99
294943	DA	SELL	ECONOMIC	02/12/2023	Hourly	FP	1200	NORTHSYS	50.5
294948	RT	BUY	ECONOMIC	02/13/2023	Hourly	FP	5	MEAD230	17.23
274046	Term	BUY	ECONOMIC	02/13/2023	Hourly	FP	120	MEAD230	41.99
294943	DA	SELL	ECONOMIC	02/13/2023	Hourly	FP	1200	NORTHSYS	50.5
294949	RT	SELL	ECONOMIC	02/14/2023	Hourly	FP	15	MEAD230	60
294950	RT	SELL	ECONOMIC	02/14/2023	Hourly	FP	15	MEAD230	85
294954	RT	SELL	ECONOMIC	02/14/2023	Hourly	FP	50	MEAD230	72
294955	RT	SELL	ECONOMIC	02/14/2023	Hourly	FP	50	MEAD230	70
274046	Term	BUY	ECONOMIC	02/14/2023	Hourly	FP	120	MEAD230	41.99
274046	Term	BUY	ECONOMIC	02/15/2023	Hourly	FP	120	MEAD230	41.99
294947	DA	SELL	ECONOMIC	02/15/2023	Hourly	FP	1200	NORTHSYS	65
294964	RT	SELL	ECONOMIC	02/16/2023	Hourly	FP	169	MEAD230	150
294965	RT	SELL	ECONOMIC	02/16/2023	Hourly	FP	26	MEAD230	150
274046	Term	BUY	ECONOMIC	02/16/2023	Hourly	FP	120	MEAD230	41.99
294970	RT	SELL	ECONOMIC	02/17/2023	Hourly	FP	40	NAVAJO500	90
274046	Term	BUY	ECONOMIC	02/17/2023	Hourly	FP	120	MEAD230	41.99
294974	RT	BUY	ECONOMIC	02/18/2023	Hourly	FP	1	MEAD230	33.55
274046	Term	BUY	ECONOMIC	02/18/2023	Hourly	FP	120	MEAD230	41.99
294960	DA	SELL	ECONOMIC	02/18/2023	Light Load	FP	200	MEAD230	61
294961	DA	SELL	ECONOMIC	02/18/2023	Light Load	FP	200	MEAD230	62
274046	Term	BUY	ECONOMIC	02/19/2023	Hourly	FP	120	MEAD230	41.99

294976	RT	SELL	ECONOMIC	02/19/2023	Hourly	FP	150	MEAD230	80
294980	RT	SELL	ECONOMIC	02/19/2023	Hourly	FP	30	NAVAJO500	65
294960	DA	SELL	ECONOMIC	02/19/2023	Light Load	FP	600	MEAD230	61
294961	DA	SELL	ECONOMIC	02/19/2023	Light Load	FP	600	MEAD230	62
294983	RT	SELL	ECONOMIC	02/20/2023	Hourly	FP	300	NAVAJO500	74
274046	Term	BUY	ECONOMIC	02/20/2023	Hourly	FP	120	MEAD230	41.99
294988	RT	SELL	ECONOMIC	02/21/2023	Hourly	FP	100	REDB	67
274046	Term	BUY	ECONOMIC	02/21/2023	Hourly	FP	120	MEAD230	41.99
294969	DA	SELL	ECONOMIC	02/21/2023	Hourly	FP	1200	M345	63
294992	RT	SELL	ECONOMIC	02/22/2023	Hourly	FP	100	REDB	70
294993	RT	SELL	ECONOMIC	02/22/2023	Hourly	FP	150	REDB	67
294994	RT	SELL	ECONOMIC	02/22/2023	Hourly	FP	600	REDB	71.5
294999	RT	BUY	ECONOMIC	02/22/2023	Hourly	FP	3	MEAD230	40.88
295000	RT	BUY	ECONOMIC	02/22/2023	Hourly	FP	0.75	MCCULLOUGH500	40.25
274046	Term	BUY	ECONOMIC	02/22/2023	Hourly	FP	120	MEAD230	41.99
274046	Term	BUY	ECONOMIC	02/23/2023	Hourly	FP	120	MEAD230	41.99
295007	RT	SELL	ECONOMIC	02/24/2023	Hourly	FP	15	NAVAJO500	185
274046	Term	BUY	ECONOMIC	02/24/2023	Hourly	FP	120	MEAD230	41.99
295009	RT	SELL	ECONOMIC	02/24/2023	Hourly	FP	50	REDB	125
274046	Term	BUY	ECONOMIC	02/25/2023	Hourly	FP	120	MEAD230	41.99
295012	RT	SELL	ECONOMIC	02/25/2023	Hourly	FP	70	NAVAJO500	108
295016	RT	SELL	ECONOMIC	02/25/2023	Hourly	FP	115	NAVAJO500	160
274046	Term	BUY	ECONOMIC	02/26/2023	Hourly	FP	120	MEAD230	41.99
295020	RT	SELL	ECONOMIC	02/26/2023	Hourly	FP	520	NAVAJO500	130
295024	RT	SELL	ECONOMIC	02/26/2023	Hourly	FP	120	NAVAJO500	115
295036	RT	BUY	ECONOMIC	02/27/2023	Hourly	FP	1	MEAD230	86.28
295038	RT	SELL	ECONOMIC	02/27/2023	Hourly	FP	25	MEAD230	105
274046	Term	BUY	ECONOMIC	02/27/2023	Hourly	FP	120	MEAD230	41.99
295027	RT	SELL	ECONOMIC	02/27/2023	Hourly	FP	110	NAVAJO500	100
295028	RT	SELL	ECONOMIC	02/27/2023	Hourly	FP	240	NAVAJO500	100
295042	RT	SELL	ECONOMIC	02/28/2023	Hourly	FP	100	M345	68
274046	Term	BUY	ECONOMIC	02/28/2023	Hourly	FP	120	MEAD230	41.99
295040	RT	BUY	ECONOMIC	02/28/2023	Hourly	FP	1	MEAD230	86.08
274046	Term	BUY	ECONOMIC	03/01/2023	Hourly	FP	120	MEAD230	41.99
295044	RT	SELL	ECONOMIC	03/01/2023	Hourly	FP	150	M345	77
295045	RT	SELL	ECONOMIC	03/01/2023	Hourly	FP	75	MEAD230	82
295050	RT	SELL	ECONOMIC	03/01/2023	Hourly	FP	50	M345	83
295051	RT	SELL	ECONOMIC	03/01/2023	Hourly	FP	25	MEAD230	100
274046	Term	BUY	ECONOMIC	03/02/2023	Hourly	FP	120	MEAD230	41.99
274046	Term	BUY	ECONOMIC	03/03/2023	Hourly	FP	120	MEAD230	41.99
295056	RT	SELL	ECONOMIC	03/03/2023	Hourly	FP	30	NAVAJO500	99
274046	Term	BUY	ECONOMIC	03/04/2023	Hourly	FP	120	MEAD230	41.99
274046	Term	BUY	ECONOMIC	03/05/2023	Hourly	FP	120	MEAD230	41.99
295057	DA	SELL	ECONOMIC	03/05/2023	Light Load	FP	1200	M345	101
295062	RT	SELL	ECONOMIC	03/05/2023	Hourly	FP	60	NAVAJO500	75
274046	Term	BUY	ECONOMIC	03/06/2023	Hourly	FP	120	MEAD230	41.99
295066	RT	SELL	ECONOMIC	03/06/2023	Hourly	FP	25	HILLTOP345	70
295057	DA	SELL	ECONOMIC	03/06/2023	Light Load	FP	400	M345	101

274046	Term	BUY	ECONOMIC	03/07/2023	Hourly	FP	120	MEAD230	41.99
295078	RT	SELL	ECONOMIC	03/07/2023	Hourly	FP	250	MEAD230	140
295065	DA	SELL	ECONOMIC	03/07/2023	Light Load	FP	200	MEAD230	105
295070	RT	SELL	ECONOMIC	03/07/2023	Hourly	FP	200	MEAD230	90
274046	Term	BUY	ECONOMIC	03/08/2023	Hourly	FP	120	MEAD230	41.99
295084	RT	SELL	ECONOMIC	03/08/2023	Hourly	FP	50	M345	79
295093	RT	SELL	ECONOMIC	03/08/2023	Hourly	FP	15	REDB	90
295094	RT	SELL	ECONOMIC	03/08/2023	Hourly	FP	25	REDB	93
295074	DA	SELL	ECONOMIC	03/08/2023	Light Load	FP	200	MEAD230	95
295075	DA	SELL	ECONOMIC	03/08/2023	Light Load	FP	200	MEAD230	95
295076	DA	SELL	ECONOMIC	03/08/2023	Light Load	FP	200	MEAD230	100
295083	RT	SELL	ECONOMIC	03/08/2023	Hourly	FP	50	REDB	75
274046	Term	BUY	ECONOMIC	03/09/2023	Hourly	FP	120	MEAD230	41.99
295102	RT	SELL	ECONOMIC	03/09/2023	Hourly	FP	25	MEAD230	85
295105	RT	SELL	ECONOMIC	03/09/2023	Hourly	FP	10	NAVAJO500	90
295107	RT	SELL	ECONOMIC	03/09/2023	Hourly	FP	20	NAVAJO500	100
295085	DA	SELL	ECONOMIC	03/09/2023	Hourly	FP	1200	NOB	74
295087	DA	SELL	ECONOMIC	03/09/2023	Heavy Load	FP	400	MEAD230	80
295088	DA	SELL	ECONOMIC	03/09/2023	Light Load	FP	200	MEAD230	102
295098	RT	SELL	ECONOMIC	03/09/2023	Hourly	FP	159	MEAD230	120
295100	RT	SELL	ECONOMIC	03/09/2023	Hourly	FP	100	HILLTOP345	100
295108	LD	SELL	ECONOMIC	03/09/2023	Hourly	FP	-1	HILLTOP345	100
295117	RT	SELL	ECONOMIC	03/10/2023	Hourly	FP	50	MEAD230	80
295125	LD	SELL	ECONOMIC	03/10/2023	Hourly	FP	-50	MEAD230	80
295110	RT	SELL	ECONOMIC	03/10/2023	Hourly	FP	150	MEAD230	74
295114	RT	SELL	ECONOMIC	03/10/2023	Hourly	FP	60	NAVAJO500	95
274046	Term	BUY	ECONOMIC	03/10/2023	Hourly	FP	120	MEAD230	41.99
295117	RT	SELL	ECONOMIC	03/11/2023	Hourly	FP	250	MEAD230	80
295121	RT	SELL	ECONOMIC	03/11/2023	Hourly	FP	50	M345	60
295125	LD	SELL	ECONOMIC	03/11/2023	Hourly	FP	-100	MEAD230	80
295126	RT	SELL	ECONOMIC	03/11/2023	Hourly	FP	50	MEAD230	90
274046	Term	BUY	ECONOMIC	03/11/2023	Hourly	FP	120	MEAD230	41.99
295126	RT	SELL	ECONOMIC	03/12/2023	Hourly	FP	100	MEAD230	90
295127	RT	SELL	ECONOMIC	03/12/2023	Hourly	FP	150	MEAD230	90
295137	RT	SELL	ECONOMIC	03/12/2023	Hourly	FP	100	M345	64
295138	RT	SELL	ECONOMIC	03/12/2023	Hourly	FP	150	MEAD230	43
295139	RT	SELL	ECONOMIC	03/12/2023	Hourly	FP	150	NAVAJO500	30
295148	LD	SELL	ECONOMIC	03/12/2023	Hourly	FP	-34	MEAD230	43
295147	RT	SELL	ECONOMIC	03/12/2023	Hourly	FP	34	HILLTOP345	45
295150	RT	SELL	ECONOMIC	03/12/2023	Hourly	FP	152	HILLTOP345	40
295151	RT	SELL	ECONOMIC	03/12/2023	Hourly	FP	50	M345	47
295154	LD	SELL	ECONOMIC	03/12/2023	Hourly	FP	-24	HILLTOP345	40
274046	Term	BUY	ECONOMIC	03/12/2023	Hourly	FP	115	MEAD230	41.99
295146	LD	BUY	ECONOMIC	03/12/2023	Hourly	FP	-8	MEAD230	41.99
295155	RT	SELL	ECONOMIC	03/13/2023	Hourly	FP	150	MEAD230	40
295156	RT	SELL	ECONOMIC	03/13/2023	Hourly	FP	250	REDB	48
295157	RT	SELL	ECONOMIC	03/13/2023	Hourly	FP	100	NAVAJO500	83
274046	Term	BUY	ECONOMIC	03/13/2023	Hourly	FP	120	MEAD230	41.99

295163	RT	SELL	ECONOMIC	03/13/2023	Hourly	FP	119	MEAD230	42
295164	RT	SELL	ECONOMIC	03/13/2023	Hourly	FP	250	MEAD230	41
295169	RT	SELL	ECONOMIC	03/13/2023	Hourly	FP	30	MEAD230	110
295171	RT	SELL	ECONOMIC	03/14/2023	Hourly	FP	150	MEAD230	80
274046	Term	BUY	ECONOMIC	03/14/2023	Hourly	FP	120	MEAD230	41.99
295175	RT	BUY	ECONOMIC	03/14/2023	Hourly	FP	400	MEAD230	150
295176	RT	BUY	ECONOMIC	03/14/2023	Hourly	FP	200	MCCULLOUGH500	150
295177	RT	BUY	ECONOMIC	03/14/2023	Hourly	FP	200	MEAD230	125
274046	Term	BUY	ECONOMIC	03/15/2023	Hourly	FP	120	MEAD230	41.99
295181	RT	SELL	ECONOMIC	03/15/2023	Hourly	FP	450	MEAD230	70
295185	RT	SELL	ECONOMIC	03/15/2023	Hourly	FP	50	NAVAJO500	70
295197	RT	SELL	ECONOMIC	03/16/2023	Hourly	FP	1050	MEAD230	30
296668	RT	SELL	ECONOMIC	03/16/2023	Hourly	FP	250	MEAD230	80
274046	Term	BUY	ECONOMIC	03/16/2023	Hourly	FP	120	MEAD230	41.99
295188	DA	SELL	ECONOMIC	03/16/2023	Hourly	FP	320	NORTHSYS	30
295189	DA	SELL	ECONOMIC	03/16/2023	Hourly	FP	400	M345	30
295190	DA	SELL	ECONOMIC	03/16/2023	Hourly	FP	1180	MEAD230	29.65
295199	RT	SELL	ECONOMIC	03/16/2023	Hourly	FP	150	MEAD230	20
295211	RT	SELL	ECONOMIC	03/17/2023	Hourly	FP	75	M345	40
295207	RT	SELL	ECONOMIC	03/17/2023	Hourly	FP	1350	HILLTOP345	30
274046	Term	BUY	ECONOMIC	03/17/2023	Hourly	FP	120	MEAD230	41.99
295204	DA	SELL	ECONOMIC	03/17/2023	Hourly	FP	2080	MEAD230	31.23
295200	DA	SELL	ECONOMIC	03/17/2023	Hourly	FP	320	NORTHSYS	30
295222	RT	SELL	ECONOMIC	03/18/2023	Hourly	FP	300	REDB	36
295226	RT	SELL	ECONOMIC	03/18/2023	Hourly	FP	130	NAVAJO500	90
295218	RT	SELL	ECONOMIC	03/18/2023	Hourly	FP	875	REDB	36
295230	RT	SELL	ECONOMIC	03/18/2023	Hourly	FP	60	NAVAJO500	95
295395	LD	SELL	ECONOMIC	03/18/2023	Hourly	FP	-22	NAVAJO500	95
274046	Term	BUY	ECONOMIC	03/18/2023	Hourly	FP	120	MEAD230	41.99
295215	DA	SELL	ECONOMIC	03/18/2023	Hourly	FP	960	MEAD230	9.08
295201	DA	SELL	ECONOMIC	03/18/2023	Hourly	FP	240	NORTHSYS	30
295234	RT	SELL	ECONOMIC	03/19/2023	Hourly	FP	225	NAVAJO500	68
274046	Term	BUY	ECONOMIC	03/19/2023	Hourly	FP	120	MEAD230	41.99
295209	DA	SELL	ECONOMIC	03/19/2023	Hourly	FP	320	NORTHSYS	40
295238	RT	SELL	ECONOMIC	03/20/2023	Hourly	FP	675	MEAD230	92
295249	RT	SELL	ECONOMIC	03/20/2023	Hourly	FP	45	NAVAJO500	105
274046	Term	BUY	ECONOMIC	03/20/2023	Hourly	FP	120	MEAD230	41.99
295210	DA	SELL	ECONOMIC	03/20/2023	Hourly	FP	320	NORTHSYS	43
295246	RT	SELL	ECONOMIC	03/20/2023	Hourly	FP	60	MEAD230	60
295251	RT	SELL	ECONOMIC	03/21/2023	Hourly	FP	45	NAVAJO500	110
274046	Term	BUY	ECONOMIC	03/21/2023	Hourly	FP	120	MEAD230	41.99
295242	DA	SELL	ECONOMIC	03/21/2023	Heavy Load	FP	400	MEAD230	85
295243	DA	SELL	ECONOMIC	03/21/2023	Heavy Load	FP	400	MEAD230	87.5
295255	RT	SELL	ECONOMIC	03/21/2023	Hourly	FP	75	M345	64
295259	RT	SELL	ECONOMIC	03/21/2023	Hourly	FP	90	NAVAJO500	135
295262	RT	SELL	ECONOMIC	03/22/2023	Hourly	FP	600	MEAD230	108
295266	RT	SELL	ECONOMIC	03/22/2023	Hourly	FP	225	HILLTOP345	125
274046	Term	BUY	ECONOMIC	03/22/2023	Hourly	FP	120	MEAD230	41.99

295253	DA	SELL	ECONOMIC	03/22/2023	Heavy Load	FP	800	MEAD230	75
295254	DA	SELL	ECONOMIC	03/22/2023	Light Load	FP	400	MEAD230	70
295271	RT	SELL	ECONOMIC	03/22/2023	Hourly	FP	200	HILLTOP345	75
295275	RT	SELL	ECONOMIC	03/22/2023	Hourly	FP	200	HILLTOP345	90
295278	RT	SELL	ECONOMIC	03/23/2023	Hourly	FP	50	MEAD230	85
274046	Term	BUY	ECONOMIC	03/23/2023	Hourly	FP	120	MEAD230	41.99
295270	DA	SELL	ECONOMIC	03/23/2023	Hourly	FP	360	NORTHSYS	44
295282	RT	SELL	ECONOMIC	03/24/2023	Hourly	FP	300	MEAD230	20
295294	LD	SELL	ECONOMIC	03/24/2023	Hourly	FP	-4	MEAD230	20
274046	Term	BUY	ECONOMIC	03/24/2023	Hourly	FP	120	MEAD230	41.99
295281	DA	SELL	ECONOMIC	03/24/2023	Heavy Load	FP	640	NORTHSYS	33.5
295297	RT	SELL	ECONOMIC	03/25/2023	Hourly	FP	50	MEAD230	85
295298	RT	SELL	ECONOMIC	03/25/2023	Hourly	FP	10	MEAD230	95
295299	RT	SELL	ECONOMIC	03/25/2023	Hourly	FP	15	MEAD230	85
274046	Term	BUY	ECONOMIC	03/25/2023	Hourly	FP	120	MEAD230	41.99
295281	DA	SELL	ECONOMIC	03/25/2023	Heavy Load	FP	640	NORTHSYS	33.5
295312	RT	SELL	ECONOMIC	03/26/2023	Hourly	FP	30	MEAD230	95
295304	RT	SELL	ECONOMIC	03/26/2023	Hourly	FP	225	MEAD230	95
295305	RT	SELL	ECONOMIC	03/26/2023	Hourly	FP	150	NAVAJO500	108
274046	Term	BUY	ECONOMIC	03/26/2023	Hourly	FP	120	MEAD230	41.99
295284	DA	SELL	ECONOMIC	03/26/2023	Hourly	FP	960	NORTHSYS	25
295285	DA	SELL	ECONOMIC	03/26/2023	Hourly	FP	2400	M345	33
295286	DA	SELL	ECONOMIC	03/26/2023	Light Load	FP	600	MEAD230	45
295287	DA	SELL	ECONOMIC	03/26/2023	Light Load	FP	600	MEAD230	43
274046	Term	BUY	ECONOMIC	03/27/2023	Hourly	FP	120	MEAD230	41.99
295284	DA	SELL	ECONOMIC	03/27/2023	Hourly	FP	960	NORTHSYS	25
295285	DA	SELL	ECONOMIC	03/27/2023	Hourly	FP	2400	M345	33
295286	DA	SELL	ECONOMIC	03/27/2023	Light Load	FP	200	MEAD230	45
295287	DA	SELL	ECONOMIC	03/27/2023	Light Load	FP	200	MEAD230	43
295288	DA	SELL	ECONOMIC	03/27/2023	Heavy Load	FP	1600	M345	33
295289	DA	SELL	ECONOMIC	03/27/2023	Heavy Load	FP	400	MEAD230	48
295293	LD	SELL	ECONOMIC	03/27/2023	Heavy Load	FP	-520	M345	33
295324	LD	SELL	ECONOMIC	03/27/2023	Heavy Load	FP	-8	MEAD230	48
295319	RT	SELL	ECONOMIC	03/28/2023	Hourly	FP	50	MEAD230	115
274046	Term	BUY	ECONOMIC	03/28/2023	Hourly	FP	120	MEAD230	41.99
295315	DA	SELL	ECONOMIC	03/28/2023	Hourly	FP	360	NORTHSYS	45
295316	DA	SELL	ECONOMIC	03/28/2023	Hourly	FP	600	MEAD230	63
295323	LD	SELL	ECONOMIC	03/28/2023	Hourly	FP	-21	MEAD230	63
295327	RT	SELL	ECONOMIC	03/29/2023	Hourly	FP	35	MEAD230	60
295328	RT	SELL	ECONOMIC	03/29/2023	Hourly	FP	200	REDB	60
295331	RT	SELL	ECONOMIC	03/29/2023	Hourly	FP	210	MEAD230	62
295341	LD	SELL	ECONOMIC	03/29/2023	Hourly	FP	-1	MEAD230	62
274046	Term	BUY	ECONOMIC	03/29/2023	Hourly	FP	120	MEAD230	41.99
295321	DA	SELL	ECONOMIC	03/29/2023	Hourly	FP	400	NORTHSYS	41
295322	DA	SELL	ECONOMIC	03/29/2023	Hourly	FP	500	M345	48
295326	LD	SELL	ECONOMIC	03/29/2023	Hourly	FP	-500	M345	48
295344	RT	BUY	ECONOMIC	03/30/2023	Hourly	FP	46	MEAD230	65
274046	Term	BUY	ECONOMIC	03/30/2023	Hourly	FP	120	MEAD230	41.99

295329	DA	BUY	ECONOMIC	03/30/2023	Light Load	FP	200	MEAD230	59
295330	DA	BUY	ECONOMIC	03/30/2023	Light Load	FP	200	MEAD230	58
295347	RT	SELL	ECONOMIC	03/31/2023	Hourly	FP	75	REDB	40
274046	Term	BUY	ECONOMIC	03/31/2023	Hourly	FP	120	MEAD230	41.99
295329	DA	BUY	ECONOMIC	03/31/2023	Light Load	FP	200	MEAD230	59
295330	DA	BUY	ECONOMIC	03/31/2023	Light Load	FP	200	MEAD230	58
295343	DA	SELL	ECONOMIC	03/31/2023	Hourly	FP	125	MEAD230	2.55
295351	RT	SELL	ECONOMIC	04/01/2023	Hourly	FP	800	M345	5
295353	RT	SELL	ECONOMIC	04/01/2023	Hourly	FP	450	REDB	5
295354	RT	SELL	ECONOMIC	04/01/2023	Hourly	FP	350	REDB	5
295357	LD	SELL	ECONOMIC	04/01/2023	Hourly	FP	-23	M345	5
274046	Term	BUY	ECONOMIC	04/01/2023	Hourly	FP	120	MEAD230	41.99
295342	DA	SELL	ECONOMIC	04/01/2023	Hourly	FP	320	NORTHSYS	30
274046	Term	BUY	ECONOMIC	04/02/2023	Hourly	FP	120	MEAD230	41.99
295348	DA	SELL	ECONOMIC	04/02/2023	Hourly	FP	270	NORTHSYS	25
295358	DA	SELL	ECONOMIC	04/02/2023	Hourly	FP	170	MEAD230	0.18
295361	RT	SELL	ECONOMIC	04/02/2023	Hourly	FP	80	MEAD230	68
295364	RT	SELL	ECONOMIC	04/02/2023	Hourly	FP	498	REDB	1
295365	RT	SELL	ECONOMIC	04/02/2023	Hourly	FP	700	MEAD230	1
295366	RT	SELL	ECONOMIC	04/02/2023	Hourly	FP	210	REDB	1
295372	RT	SELL	ECONOMIC	04/02/2023	Hourly	FP	40	M345	3
295373	LD	SELL	ECONOMIC	04/02/2023	Hourly	FP	-33	REDB	1
274046	Term	BUY	ECONOMIC	04/03/2023	Hourly	FP	120	MEAD230	41.99
295374	RT	SELL	ECONOMIC	04/03/2023	Hourly	FP	35	NAVAJO500	68
295378	RT	SELL	ECONOMIC	04/03/2023	Hourly	FP	100	MEAD230	118
274046	Term	BUY	ECONOMIC	04/04/2023	Hourly	FP	120	MEAD230	41.99
295381	DA	SELL	ECONOMIC	04/04/2023	Hourly	FP	225	REDB	37
295382	DA	SELL	ECONOMIC	04/04/2023	Hourly	FP	180	NORTHSYS	30
295384	RT	SELL	ECONOMIC	04/04/2023	Hourly	FP	42	MEAD230	67
295387	RT	SELL	ECONOMIC	04/04/2023	Hourly	FP	50	MEAD230	59
295396	RT	SELL	ECONOMIC	04/05/2023	Hourly	FP	20	MEAD230	85
274046	Term	BUY	ECONOMIC	04/05/2023	Hourly	FP	120	MEAD230	41.99
295390	DA	SELL	ECONOMIC	04/05/2023	Light Load	FP	200	MEAD230	79
295391	DA	SELL	ECONOMIC	04/05/2023	Light Load	FP	200	MEAD230	77
295392	DA	SELL	ECONOMIC	04/05/2023	Light Load	FP	200	MEAD230	79
295404	RT	SELL	ECONOMIC	04/06/2023	Hourly	FP	150	REDB	35
295405	RT	SELL	ECONOMIC	04/06/2023	Hourly	FP	102	M345	40
295406	RT	SELL	ECONOMIC	04/06/2023	Hourly	FP	723	HILLTOP345	15
295409	RT	SELL	ECONOMIC	04/06/2023	Hourly	FP	600	MEAD230	15
295418	LD	SELL	ECONOMIC	04/06/2023	Hourly	FP	-88	MEAD230	15
274046	Term	BUY	ECONOMIC	04/06/2023	Hourly	FP	120	MEAD230	41.99
295390	DA	SELL	ECONOMIC	04/06/2023	Light Load	FP	200	MEAD230	79
295391	DA	SELL	ECONOMIC	04/06/2023	Light Load	FP	200	MEAD230	77
295392	DA	SELL	ECONOMIC	04/06/2023	Light Load	FP	200	MEAD230	79
295419	RT	SELL	ECONOMIC	04/07/2023	Hourly	FP	175	NAVAJO500	83
274046	Term	BUY	ECONOMIC	04/07/2023	Hourly	FP	120	MEAD230	41.99
295399	DA	SELL	ECONOMIC	04/07/2023	Light Load	FP	200	MEAD230	77
295400	DA	SELL	ECONOMIC	04/07/2023	Light Load	FP	200	MEAD230	77

295401	DA	SELL	ECONOMIC	04/07/2023	Light Load	FP	200	MEAD230	76
295423	RT	SELL	ECONOMIC	04/07/2023	Hourly	FP	20	MEAD230	70
295424	RT	SELL	ECONOMIC	04/07/2023	Hourly	FP	120	NAVAJO500	78
295427	RT	SELL	ECONOMIC	04/07/2023	Hourly	FP	50	MEAD230	80
274046	Term	BUY	ECONOMIC	04/08/2023	Hourly	FP	120	MEAD230	41.99
295399	DA	SELL	ECONOMIC	04/08/2023	Light Load	FP	200	MEAD230	77
295400	DA	SELL	ECONOMIC	04/08/2023	Light Load	FP	200	MEAD230	77
295401	DA	SELL	ECONOMIC	04/08/2023	Light Load	FP	200	MEAD230	76
295430	RT	SELL	ECONOMIC	04/08/2023	Hourly	FP	50	MEAD230	62
295434	RT	SELL	ECONOMIC	04/08/2023	Hourly	FP	15	MEAD230	75
274046	Term	BUY	ECONOMIC	04/09/2023	Hourly	FP	120	MEAD230	41.99
295408	DA	SELL	ECONOMIC	04/09/2023	Light Load	FP	600	MEAD230	68
295429	DA	SELL	ECONOMIC	04/09/2023	Hourly	FP	200	MEAD230	4.86
295441	RT	SELL	ECONOMIC	04/09/2023	Hourly	FP	200	MEAD230	10
295442	RT	SELL	ECONOMIC	04/09/2023	Hourly	FP	24	M345	5
295443	RT	SELL	ECONOMIC	04/09/2023	Hourly	FP	26	MEAD230	10
295447	RT	SELL	ECONOMIC	04/09/2023	Hourly	FP	200	NAVAJO500	75
295448	RT	SELL	ECONOMIC	04/09/2023	Hourly	FP	220	NAVAJO500	81
295452	RT	SELL	ECONOMIC	04/09/2023	Hourly	FP	40	NAVAJO500	45
295456	RT	SELL	ECONOMIC	04/09/2023	Hourly	FP	200	MEAD230	85
295407	DA	SELL	ECONOMIC	04/09/2023	Light Load	FP	1200	MEAD230	65
295410	DA	SELL	ECONOMIC	04/09/2023	Light Load	FP	1200	MEAD230	68
295411	DA	SELL	ECONOMIC	04/09/2023	Light Load	FP	600	MEAD230	68
295437	RT	SELL	ECONOMIC	04/09/2023	Hourly	FP	250	NAVAJO500	65
295462	RT	BUY	ECONOMIC	04/09/2023	Hourly	FP	50	REDB	125
295464	RT	SELL	ECONOMIC	04/10/2023	Hourly	FP	90	NAVAJO500	65
295465	RT	SELL	ECONOMIC	04/10/2023	Hourly	FP	56	NAVAJO500	65
295466	RT	SELL	ECONOMIC	04/10/2023	Hourly	FP	400	MEAD230	15
295467	RT	SELL	ECONOMIC	04/10/2023	Hourly	FP	500	M345	25
295469	RT	SELL	ECONOMIC	04/10/2023	Hourly	FP	1600	MEAD230	15
295482	RT	BUY	ECONOMIC	04/10/2023	Hourly	FP	680	MEAD230	175
295483	RT	BUY	ECONOMIC	04/10/2023	Hourly	FP	300	MEAD230	175
295484	RT	BUY	ECONOMIC	04/10/2023	Hourly	FP	220	MEAD230	175
274046	Term	BUY	ECONOMIC	04/10/2023	Hourly	FP	120	MEAD230	41.99
295408	DA	SELL	ECONOMIC	04/10/2023	Light Load	FP	200	MEAD230	68
295407	DA	SELL	ECONOMIC	04/10/2023	Light Load	FP	400	MEAD230	65
295410	DA	SELL	ECONOMIC	04/10/2023	Light Load	FP	400	MEAD230	68
295411	DA	SELL	ECONOMIC	04/10/2023	Light Load	FP	200	MEAD230	68
295491	RT	SELL	ECONOMIC	04/11/2023	Hourly	FP	85	NAVAJO500	40
274046	Term	BUY	ECONOMIC	04/11/2023	Hourly	FP	120	MEAD230	41.99
295468	DA	SELL	ECONOMIC	04/11/2023	Light Load	FP	200	MEAD230	83
295470	DA	SELL	ECONOMIC	04/11/2023	Light Load	FP	200	MEAD230	86
295471	DA	SELL	ECONOMIC	04/11/2023	Light Load	FP	200	MEAD230	87
295472	DA	SELL	ECONOMIC	04/11/2023	Light Load	FP	40	MEAD230	86
295480	DA	SELL	ECONOMIC	04/11/2023	Hourly	FP	450	MEAD230	26.17
295502	RT	SELL	ECONOMIC	04/11/2023	Hourly	FP	30	NAVAJO500	70
295490	RT	SELL	ECONOMIC	04/11/2023	Hourly	FP	30	NAVAJO500	65
274046	Term	BUY	ECONOMIC	04/12/2023	Hourly	FP	120	MEAD230	41.99

295495	DA	SELL	ECONOMIC	04/12/2023	Light Load	FP	200	MEAD230	75
295496	DA	SELL	ECONOMIC	04/12/2023	Light Load	FP	160	MEAD230	75
295497	DA	SELL	ECONOMIC	04/12/2023	Light Load	FP	192	MEAD230	75
295498	DA	SELL	ECONOMIC	04/12/2023	Heavy Load	FP	1600	MEAD230	66
295499	DA	SELL	ECONOMIC	04/12/2023	Light Load	FP	400	MEAD230	75.1
295505	RT	SELL	ECONOMIC	04/12/2023	Hourly	FP	60	NAVAJO500	50
295506	RT	SELL	ECONOMIC	04/12/2023	Hourly	FP	40	NAVAJO500	50
295513	RT	SELL	ECONOMIC	04/12/2023	Hourly	FP	180	NAVAJO500	52
295517	RT	SELL	ECONOMIC	04/12/2023	Hourly	FP	150	MEAD230	70
295518	RT	SELL	ECONOMIC	04/12/2023	Hourly	FP	75	MEAD230	60
295539	RT	SELL	ECONOMIC	04/13/2023	Hourly	FP	50	NAVAJO500	50
295540	RT	SELL	ECONOMIC	04/13/2023	Hourly	FP	100	NAVAJO500	42
295554	RT	SELL	ECONOMIC	04/13/2023	Hourly	FP	200	MEAD230	105
274046	Term	BUY	ECONOMIC	04/13/2023	Hourly	FP	120	MEAD230	41.99
295521	DA	SELL	ECONOMIC	04/13/2023	Light Load	FP	200	MEAD230	60
295523	DA	SELL	ECONOMIC	04/13/2023	Light Load	FP	120	MEAD230	62
295524	DA	SELL	ECONOMIC	04/13/2023	Light Load	FP	200	MEAD230	62
295526	DA	SELL	ECONOMIC	04/13/2023	Light Load	FP	392	MEAD230	60
295533	RT	SELL	ECONOMIC	04/13/2023	Hourly	FP	50	MEAD230	55
295535	RT	SELL	ECONOMIC	04/13/2023	Hourly	FP	145	NAVAJO500	73
295564	RT	SELL	ECONOMIC	04/13/2023	Hourly	FP	15	MEAD230	60
295522	DA	SELL	ECONOMIC	04/13/2023	Heavy Load	FP	400	MEAD230	58
295525	DA	SELL	ECONOMIC	04/13/2023	Heavy Load	FP	400	MEAD230	58
295527	DA	SELL	ECONOMIC	04/13/2023	Heavy Load	FP	400	MEAD230	60
295528	DA	SELL	ECONOMIC	04/13/2023	Heavy Load	FP	400	MEAD230	62
295529	DA	SELL	ECONOMIC	04/13/2023	Heavy Load	FP	400	MEAD230	62.5
274046	Term	BUY	ECONOMIC	04/14/2023	Hourly	FP	120	MEAD230	41.99
295541	DA	SELL	ECONOMIC	04/14/2023	Heavy Load	FP	400	MEAD230	65
295542	DA	SELL	ECONOMIC	04/14/2023	Heavy Load	FP	1200	NORTHSYS	55
295543	DA	SELL	ECONOMIC	04/14/2023	Light Load	FP	400	MEAD230	65
295544	DA	SELL	ECONOMIC	04/14/2023	Light Load	FP	192	MEAD230	73
295545	DA	SELL	ECONOMIC	04/14/2023	Hourly	FP	531	MEAD230	20
295570	RT	SELL	ECONOMIC	04/14/2023	Hourly	FP	50	NAVAJO500	95
295574	RT	SELL	ECONOMIC	04/14/2023	Hourly	FP	80	MEAD230	85
295577	RT	SELL	ECONOMIC	04/14/2023	Hourly	FP	50	MEAD230	85
295580	RT	SELL	ECONOMIC	04/14/2023	Hourly	FP	300	M345	61
295547	DA	SELL	ECONOMIC	04/14/2023	Light Load	FP	200	MEAD230	73
295552	DA	SELL	ECONOMIC	04/14/2023	Hourly	FP	223	MEAD230	4.89
295584	RT	SELL	ECONOMIC	04/14/2023	Hourly	FP	45	REDB	39
295585	RT	SELL	ECONOMIC	04/14/2023	Hourly	FP	154	HILLTOP345	39
295590	RT	SELL	ECONOMIC	04/14/2023	Hourly	FP	850	MEAD230	40
295596	RT	SELL	ECONOMIC	04/14/2023	Hourly	FP	60	MEAD230	65
295597	RT	SELL	ECONOMIC	04/14/2023	Hourly	FP	40	NAVAJO500	75
274046	Term	BUY	ECONOMIC	04/15/2023	Hourly	FP	120	MEAD230	41.99
295541	DA	SELL	ECONOMIC	04/15/2023	Heavy Load	FP	400	MEAD230	65
295542	DA	SELL	ECONOMIC	04/15/2023	Heavy Load	FP	1200	NORTHSYS	55
295543	DA	SELL	ECONOMIC	04/15/2023	Light Load	FP	400	MEAD230	65
295544	DA	SELL	ECONOMIC	04/15/2023	Light Load	FP	192	MEAD230	73

295546	DA	SELL	ECONOMIC	04/15/2023	Hourly	FP	531	MEAD230	20
295547	DA	SELL	ECONOMIC	04/15/2023	Light Load	FP	200	MEAD230	73
295594	DA	SELL	ECONOMIC	04/15/2023	Hourly	FP	91	MEAD230	0.03
295614	RT	SELL	ECONOMIC	04/15/2023	Hourly	FP	164	NAVAJO500	22
295615	RT	SELL	ECONOMIC	04/15/2023	Hourly	FP	400	HILLTOP345	20
295616	RT	SELL	ECONOMIC	04/15/2023	Hourly	FP	440	MEAD230	10
295621	LD	SELL	ECONOMIC	04/15/2023	Hourly	FP	-7	HILLTOP345	20
295622	RT	SELL	ECONOMIC	04/15/2023	Hourly	FP	135	NAVAJO500	100
295602	RT	SELL	ECONOMIC	04/15/2023	Hourly	FP	80	NAVAJO500	75
295606	RT	SELL	ECONOMIC	04/15/2023	Hourly	FP	800	MEAD230	20
295607	RT	SELL	ECONOMIC	04/15/2023	Hourly	FP	300	MEAD230	20
295620	LD	SELL	ECONOMIC	04/15/2023	Hourly	FP	-85	MEAD230	20
295627	LD	SELL	ECONOMIC	04/15/2023	Hourly	FP	-88	MEAD230	20
295634	RT	SELL	ECONOMIC	04/16/2023	Hourly	FP	50	MEAD230	7
274046	Term	BUY	ECONOMIC	04/16/2023	Hourly	FP	120	MEAD230	41.99
295581	DA	SELL	ECONOMIC	04/16/2023	Light Load	FP	1176	MEAD230	64
295643	LD	SELL	ECONOMIC	04/16/2023	Light Load	FP	-10	MEAD230	64
295582	DA	SELL	ECONOMIC	04/16/2023	Light Load	FP	600	MEAD230	60
295583	DA	SELL	ECONOMIC	04/16/2023	Hourly	FP	576	NORTHSYS	18.5
295623	DA	SELL	ECONOMIC	04/16/2023	Hourly	FP	397	MEAD230	6.2
295631	RT	SELL	ECONOMIC	04/16/2023	Hourly	FP	100	MEAD230	20
295632	RT	SELL	ECONOMIC	04/16/2023	Hourly	FP	143	HILLTOP345	20
295633	RT	SELL	ECONOMIC	04/16/2023	Hourly	FP	203	MEAD230	5
295644	LD	SELL	ECONOMIC	04/16/2023	Hourly	FP	-8	HILLTOP345	20
295629	RT	SELL	ECONOMIC	04/16/2023	Hourly	FP	1200	MEAD230	20
295642	LD	SELL	ECONOMIC	04/16/2023	Hourly	FP	-3	MEAD230	20
295673	RT	SELL	ECONOMIC	04/17/2023	Hourly	FP	85	NAVAJO500	110
274046	Term	BUY	ECONOMIC	04/17/2023	Hourly	FP	120	MEAD230	41.99
295581	DA	SELL	ECONOMIC	04/17/2023	Light Load	FP	392	MEAD230	64
295645	RT	SELL	ECONOMIC	04/17/2023	Hourly	FP	55	REDB	39
295646	RT	SELL	ECONOMIC	04/17/2023	Hourly	FP	102	MEAD230	35
295655	RT	SELL	ECONOMIC	04/17/2023	Hourly	FP	225	MEAD230	25
295662	RT	SELL	ECONOMIC	04/17/2023	Hourly	FP	300	MEAD230	25
295664	RT	SELL	ECONOMIC	04/17/2023	Hourly	FP	150	MEAD230	42
295668	LD	SELL	ECONOMIC	04/17/2023	Hourly	FP	-44	MEAD230	35
295669	RT	SELL	ECONOMIC	04/17/2023	Hourly	FP	200	HILLTOP345	100
295582	DA	SELL	ECONOMIC	04/17/2023	Light Load	FP	200	MEAD230	60
295676	RT	SELL	ECONOMIC	04/18/2023	Hourly	FP	160	NAVAJO500	60
274046	Term	BUY	ECONOMIC	04/18/2023	Hourly	FP	120	MEAD230	41.99
295649	DA	SELL	ECONOMIC	04/18/2023	Hourly	FP	668	NORTHSYS	23
295650	DA	SELL	ECONOMIC	04/18/2023	Light Load	FP	392	MEAD230	64
295651	DA	SELL	ECONOMIC	04/18/2023	Light Load	FP	200	MEAD230	70
295652	DA	SELL	ECONOMIC	04/18/2023	Light Load	FP	200	MEAD230	70
295653	DA	SELL	ECONOMIC	04/18/2023	Heavy Load	FP	400	MEAD230	55
295654	DA	SELL	ECONOMIC	04/18/2023	Heavy Load	FP	784	MEAD230	54
274046	Term	BUY	ECONOMIC	04/19/2023	Hourly	FP	120	MEAD230	41.99
295680	DA	SELL	ECONOMIC	04/19/2023	Heavy Load	FP	784	MEAD230	53
295681	DA	SELL	ECONOMIC	04/19/2023	Light Load	FP	392	MEAD230	55

295682	DA	SELL	ECONOMIC	04/19/2023	Light Load	FP	200	MEAD230	60
295683	DA	SELL	ECONOMIC	04/19/2023	Heavy Load	FP	400	MEAD230	52
295684	DA	SELL	ECONOMIC	04/19/2023	Light Load	FP	200	MEAD230	62
295685	DA	SELL	ECONOMIC	04/19/2023	Heavy Load	FP	400	MEAD230	52
295686	DA	SELL	ECONOMIC	04/19/2023	Light Load	FP	200	MEAD230	59
295687	DA	SELL	ECONOMIC	04/19/2023	Heavy Load	FP	400	MEAD230	50
295688	DA	SELL	ECONOMIC	04/19/2023	Hourly	FP	784	MEAD230	20
295712	LD	SELL	ECONOMIC	04/19/2023	Heavy Load	FP	-163	MEAD230	7.01
295705	RT	SELL	ECONOMIC	04/19/2023	Hourly	FP	50	MEAD230	55
295707	RT	SELL	ECONOMIC	04/19/2023	Hourly	FP	80	HILLTOP345	75
295692	RT	SELL	ECONOMIC	04/19/2023	Hourly	FP	150	MEAD230	80
274046	Term	BUY	ECONOMIC	04/20/2023	Hourly	FP	120	MEAD230	41.99
295696	DA	SELL	ECONOMIC	04/20/2023	Hourly	FP	1200	MEAD230	55
295697	DA	SELL	ECONOMIC	04/20/2023	Hourly	FP	1200	MEAD230	55
295698	DA	SELL	ECONOMIC	04/20/2023	Heavy Load	FP	800	MEAD230	55
295699	DA	SELL	ECONOMIC	04/20/2023	Light Load	FP	200	MEAD230	68
295700	DA	SELL	ECONOMIC	04/20/2023	Light Load	FP	280	MEAD230	69.33
295701	DA	SELL	ECONOMIC	04/20/2023	Hourly	FP	80	MEAD230	18
295702	DA	SELL	ECONOMIC	04/20/2023	Hourly	FP	408	NORTHSYS	18
295719	LD	SELL	ECONOMIC	04/20/2023	Hourly	FP	-143	MEAD230	46.34
295724	RT	SELL	ECONOMIC	04/20/2023	Hourly	FP	50	M345	47
295728	RT	SELL	ECONOMIC	04/20/2023	Hourly	FP	30	MEAD230	95
295729	RT	SELL	ECONOMIC	04/20/2023	Hourly	FP	50	MEAD230	104
295733	RT	SELL	ECONOMIC	04/20/2023	Hourly	FP	25	MEAD230	125
295745	RT	SELL	ECONOMIC	04/21/2023	Hourly	FP	75	MEAD230	140
295748	RT	SELL	ECONOMIC	04/21/2023	Hourly	FP	50	MEAD230	82
295749	RT	SELL	ECONOMIC	04/21/2023	Hourly	FP	70	MEAD230	82
274046	Term	BUY	ECONOMIC	04/21/2023	Hourly	FP	120	MEAD230	41.99
295715	DA	SELL	ECONOMIC	04/21/2023	Light Load	FP	400	MEAD230	67
295716	DA	SELL	ECONOMIC	04/21/2023	Light Load	FP	200	MEAD230	70
295717	DA	SELL	ECONOMIC	04/21/2023	Hourly	FP	80	MCCULLOUGH500	35
295713	DA	SELL	ECONOMIC	04/21/2023	Light Load	FP	200	MEAD230	67
295714	DA	SELL	ECONOMIC	04/21/2023	Light Load	FP	200	MEAD230	70
295736	RT	SELL	ECONOMIC	04/21/2023	Hourly	FP	100	MEAD230	90
295742	RT	SELL	ECONOMIC	04/21/2023	Hourly	FP	75	MEAD230	105
295754	RT	SELL	ECONOMIC	04/22/2023	Hourly	FP	20	MEAD230	80
295755	RT	SELL	ECONOMIC	04/22/2023	Hourly	FP	275	MEAD230	80
295761	RT	SELL	ECONOMIC	04/22/2023	Hourly	FP	25	MEAD230	80
295762	RT	SELL	ECONOMIC	04/22/2023	Hourly	FP	50	MEAD230	83
295763	RT	SELL	ECONOMIC	04/22/2023	Hourly	FP	49	MEAD230	83
295780	RT	SELL	ECONOMIC	04/22/2023	Hourly	FP	40	MEAD230	88
274046	Term	BUY	ECONOMIC	04/22/2023	Hourly	FP	120	MEAD230	41.99
295715	DA	SELL	ECONOMIC	04/22/2023	Light Load	FP	400	MEAD230	67
295716	DA	SELL	ECONOMIC	04/22/2023	Light Load	FP	200	MEAD230	70
295718	DA	SELL	ECONOMIC	04/22/2023	Hourly	FP	80	MCCULLOUGH500	35
295713	DA	SELL	ECONOMIC	04/22/2023	Light Load	FP	200	MEAD230	67
295714	DA	SELL	ECONOMIC	04/22/2023	Light Load	FP	200	MEAD230	70
295772	RT	SELL	ECONOMIC	04/22/2023	Hourly	FP	25	MEAD230	105

295773	RT	SELL	ECONOMIC	04/22/2023	Hourly	FP	75	MEAD230	115
295776	RT	SELL	ECONOMIC	04/22/2023	Hourly	FP	25	MEAD230	115
274046	Term	BUY	ECONOMIC	04/23/2023	Hourly	FP	120	MEAD230	41.99
295783	RT	SELL	ECONOMIC	04/23/2023	Hourly	FP	20	MEAD230	85
295784	RT	SELL	ECONOMIC	04/23/2023	Hourly	FP	15	MEAD230	85
295785	RT	SELL	ECONOMIC	04/23/2023	Hourly	FP	30	MEAD230	85
295787	RT	SELL	ECONOMIC	04/23/2023	Hourly	FP	375	MEAD230	75
295793	RT	SELL	ECONOMIC	04/24/2023	Hourly	FP	70	MEAD230	85
295796	RT	SELL	ECONOMIC	04/24/2023	Hourly	FP	70	MEAD230	71
295812	RT	SELL	ECONOMIC	04/24/2023	Hourly	FP	10	MCCULLOUGH500	78
295813	RT	SELL	ECONOMIC	04/24/2023	Hourly	FP	60	NAVAJO500	80
274046	Term	BUY	ECONOMIC	04/24/2023	Hourly	FP	120	MEAD230	41.99
295739	DA	SELL	ECONOMIC	04/24/2023	Hourly	FP	120	MCCULLOUGH500	35
295808	RT	SELL	ECONOMIC	04/24/2023	Hourly	FP	200	MEAD230	95
274046	Term	BUY	ECONOMIC	04/25/2023	Hourly	FP	120	MEAD230	41.99
295800	DA	SELL	ECONOMIC	04/25/2023	Light Load	FP	192	MEAD230	65
295801	DA	SELL	ECONOMIC	04/25/2023	Light Load	FP	200	MEAD230	62
295802	DA	SELL	ECONOMIC	04/25/2023	Hourly	FP	40	MCCULLOUGH500	35
295803	DA	SELL	ECONOMIC	04/25/2023	Heavy Load	FP	400	MEAD230	58
295804	DA	SELL	ECONOMIC	04/25/2023	Heavy Load	FP	400	MEAD230	58
295824	RT	BUY	ECONOMIC	04/25/2023	Hourly	FP	900	MEAD230	175
274046	Term	BUY	ECONOMIC	04/26/2023	Hourly	FP	120	MEAD230	41.99
295910	LD	BUY	ECONOMIC	04/26/2023	Hourly	FP	-5	MEAD230	41.99
295816	DA	SELL	ECONOMIC	04/26/2023	Light Load	FP	392	MEAD230	64.5
295817	DA	SELL	ECONOMIC	04/26/2023	Hourly	FP	80	MCCULLOUGH500	35
295820	DA	SELL	ECONOMIC	04/26/2023	Light Load	FP	224	MEAD230	71
295826	RT	SELL	ECONOMIC	04/26/2023	Hourly	FP	221	M345	35
295818	DA	SELL	ECONOMIC	04/26/2023	Light Load	FP	200	MEAD230	65
295819	DA	SELL	ECONOMIC	04/26/2023	Light Load	FP	200	MEAD230	68
274046	Term	BUY	ECONOMIC	04/27/2023	Hourly	FP	120	MEAD230	41.99
295827	DA	SELL	ECONOMIC	04/27/2023	Light Load	FP	392	MEAD230	75
295831	DA	SELL	ECONOMIC	04/27/2023	Light Load	FP	400	MEAD230	73
295841	RT	BUY	ECONOMIC	04/28/2023	Hourly	FP	20	MEAD230	45
295842	RT	BUY	ECONOMIC	04/28/2023	Hourly	FP	80	MEAD230	70
295843	RT	BUY	ECONOMIC	04/28/2023	Hourly	FP	150	M345	100
295844	RT	BUY	ECONOMIC	04/28/2023	Hourly	FP	100	M345	110
295845	RT	BUY	ECONOMIC	04/28/2023	Hourly	FP	55	M345	100
295846	RT	BUY	ECONOMIC	04/28/2023	Hourly	FP	110	M345	150
295847	RT	BUY	ECONOMIC	04/28/2023	Hourly	FP	25	M345	100
295851	RT	BUY	ECONOMIC	04/28/2023	Hourly	FP	160	MEAD230	160
295852	RT	BUY	ECONOMIC	04/28/2023	Hourly	FP	90	MEAD230	175
295853	RT	BUY	ECONOMIC	04/28/2023	Hourly	FP	200	MEAD230	100
295854	RT	BUY	ECONOMIC	04/28/2023	Hourly	FP	15	MCCULLOUGH500	65
295855	RT	BUY	ECONOMIC	04/28/2023	Hourly	FP	45	MEAD230	60
295865	RT	BUY	ECONOMIC	04/28/2023	Hourly	FP	25	REDB	95
274046	Term	BUY	ECONOMIC	04/28/2023	Hourly	FP	120	MEAD230	41.99
295827	DA	SELL	ECONOMIC	04/28/2023	Light Load	FP	392	MEAD230	75
295828	DA	SELL	ECONOMIC	04/28/2023	Hourly	FP	120	MCCULLOUGH500	35

295831	DA	SELL	ECONOMIC	04/28/2023	Light Load	FP	400	MEAD230	73
295835	RT	SELL	ECONOMIC	04/28/2023	Hourly	FP	130	NAVAJO500	48
295866	RT	BUY	ECONOMIC	04/29/2023	Hourly	FP	100	MEAD230	65
295867	RT	SELL	ECONOMIC	04/29/2023	Hourly	FP	150	MEAD230	32
295869	RT	BUY	ECONOMIC	04/29/2023	Hourly	FP	375	M345	85
295873	RT	BUY	ECONOMIC	04/29/2023	Hourly	FP	100	MEAD230	120
274046	Term	BUY	ECONOMIC	04/29/2023	Hourly	FP	120	MEAD230	41.99
295875	RT	BUY	ECONOMIC	04/30/2023	Hourly	FP	120	MEAD230	60
295876	RT	BUY	ECONOMIC	04/30/2023	Hourly	FP	350	M345	60
295879	RT	BUY	ECONOMIC	04/30/2023	Hourly	FP	95	M345	60
295880	RT	BUY	ECONOMIC	04/30/2023	Hourly	FP	30	REDB	60
295884	RT	BUY	ECONOMIC	04/30/2023	Hourly	FP	60	MEAD230	75
274046	Term	BUY	ECONOMIC	04/30/2023	Hourly	FP	120	MEAD230	41.99
274046	Term	BUY	ECONOMIC	05/01/2023	Hourly	FP	120	MEAD230	41.99
295838	DA	SELL	ECONOMIC	05/01/2023	Heavy Load	FP	400	MEAD230	50
295839	DA	SELL	ECONOMIC	05/01/2023	Heavy Load	FP	400	MEAD230	50
295891	RT	SELL	ECONOMIC	05/01/2023	Hourly	FP	60	MEAD230	42
295895	RT	SELL	ECONOMIC	05/01/2023	Hourly	FP	80	MEAD230	42
295902	RT	SELL	ECONOMIC	05/02/2023	Hourly	FP	50	MEAD230	75
274046	Term	BUY	ECONOMIC	05/02/2023	Hourly	FP	120	MEAD230	41.99
295886	DA	SELL	ECONOMIC	05/02/2023	Light Load	FP	200	MEAD230	45
295887	DA	SELL	ECONOMIC	05/02/2023	Heavy Load	FP	400	MEAD230	47
295888	DA	SELL	ECONOMIC	05/02/2023	Light Load	FP	256	MEAD230	45
295904	RT	SELL	ECONOMIC	05/03/2023	Hourly	FP	108	MEAD230	40
295908	RT	SELL	ECONOMIC	05/03/2023	Hourly	FP	25	MEAD230	50
295914	RT	SELL	ECONOMIC	05/03/2023	Hourly	FP	150	MEAD230	60
295915	RT	SELL	ECONOMIC	05/03/2023	Hourly	FP	5	MEAD230	52
274046	Term	BUY	ECONOMIC	05/03/2023	Hourly	FP	120	MEAD230	41.99
295900	DA	SELL	ECONOMIC	05/03/2023	Light Load	FP	200	MEAD230	36
295899	DA	SELL	ECONOMIC	05/03/2023	Heavy Load	FP	400	MEAD230	38
295911	RT	SELL	ECONOMIC	05/03/2023	Hourly	FP	150	MEAD230	64
295919	RT	SELL	ECONOMIC	05/04/2023	Hourly	FP	25	MEAD230	32
295930	RT	SELL	ECONOMIC	05/04/2023	Hourly	FP	150	MEAD230	45
295931	RT	SELL	ECONOMIC	05/04/2023	Hourly	FP	25	MEAD230	43
295932	RT	SELL	ECONOMIC	05/04/2023	Hourly	FP	15	MEAD230	43
274046	Term	BUY	ECONOMIC	05/04/2023	Hourly	FP	120	MEAD230	41.99
295921	RT	SELL	ECONOMIC	05/04/2023	Hourly	FP	90	MEAD230	32
295923	RT	SELL	ECONOMIC	05/04/2023	Hourly	FP	95	MEAD230	32
295927	RT	SELL	ECONOMIC	05/04/2023	Hourly	FP	138	MEAD230	43
295937	RT	SELL	ECONOMIC	05/05/2023	Hourly	FP	125	MEAD230	35
295940	RT	SELL	ECONOMIC	05/05/2023	Hourly	FP	110	MEAD230	41
295943	RT	SELL	ECONOMIC	05/05/2023	Hourly	FP	280	NAVAJO500	23
274046	Term	BUY	ECONOMIC	05/05/2023	Hourly	FP	120	MEAD230	41.99
295947	RT	SELL	ECONOMIC	05/06/2023	Hourly	FP	350	MEAD230	27
295951	RT	SELL	ECONOMIC	05/06/2023	Hourly	FP	50	MEAD230	27
274046	Term	BUY	ECONOMIC	05/06/2023	Hourly	FP	120	MEAD230	41.99
274046	Term	BUY	ECONOMIC	05/07/2023	Hourly	FP	120	MEAD230	41.99
295954	RT	SELL	ECONOMIC	05/08/2023	Hourly	FP	150	MEAD230	23

295957	RT	SELL	ECONOMIC	05/08/2023	Hourly	FP	100	MEAD230	32
295961	RT	SELL	ECONOMIC	05/08/2023	Hourly	FP	100	MEAD230	38
295962	RT	SELL	ECONOMIC	05/08/2023	Hourly	FP	50	MEAD230	46
295968	RT	SELL	ECONOMIC	05/08/2023	Hourly	FP	15	MEAD230	42
274046	Term	BUY	ECONOMIC	05/08/2023	Hourly	FP	120	MEAD230	41.99
295970	RT	SELL	ECONOMIC	05/09/2023	Hourly	FP	150	MEAD230	28
295973	RT	SELL	ECONOMIC	05/09/2023	Hourly	FP	100	MEAD230	28
295975	RT	SELL	ECONOMIC	05/09/2023	Hourly	FP	250	MEAD230	65
295976	RT	SELL	ECONOMIC	05/09/2023	Hourly	FP	100	MEAD230	36
295980	RT	SELL	ECONOMIC	05/09/2023	Hourly	FP	150	MEAD230	70
274046	Term	BUY	ECONOMIC	05/09/2023	Hourly	FP	120	MEAD230	41.99
295992	RT	SELL	ECONOMIC	05/10/2023	Hourly	FP	100	MEAD230	28
295988	RT	SELL	ECONOMIC	05/10/2023	Hourly	FP	100	HILLTOP345	37
295995	RT	SELL	ECONOMIC	05/10/2023	Hourly	FP	200	MEAD230	45
274046	Term	BUY	ECONOMIC	05/10/2023	Hourly	FP	120	MEAD230	41.99
295999	RT	SELL	ECONOMIC	05/11/2023	Hourly	FP	50	M345	28
296002	RT	SELL	ECONOMIC	05/11/2023	Hourly	FP	150	M345	30
274046	Term	BUY	ECONOMIC	05/11/2023	Hourly	FP	120	MEAD230	41.99
296016	RT	BUY	ECONOMIC	05/12/2023	Hourly	FP	100	M345	50
296017	RT	BUY	ECONOMIC	05/12/2023	Hourly	FP	100	MEAD230	51
296018	RT	BUY	ECONOMIC	05/12/2023	Hourly	FP	300	MEAD230	58
296022	RT	BUY	ECONOMIC	05/12/2023	Hourly	FP	150	MEAD230	50
296023	RT	BUY	ECONOMIC	05/12/2023	Hourly	FP	50	REDB	45
274046	Term	BUY	ECONOMIC	05/12/2023	Hourly	FP	120	MEAD230	41.99
296029	RT	SELL	ECONOMIC	05/12/2023	Hourly	FP	150	NAVAJO500	30
296030	RT	BUY	ECONOMIC	05/12/2023	Hourly	FP	50	MEAD230	69.97
296034	RT	BUY	ECONOMIC	05/12/2023	Hourly	FP	50	MEAD230	48.66
296035	RT	BUY	ECONOMIC	05/13/2023	Hourly	FP	114	REDB	45
296036	RT	BUY	ECONOMIC	05/13/2023	Hourly	FP	210	MEAD230	55
296037	RT	BUY	ECONOMIC	05/13/2023	Hourly	FP	68	MEAD230	85
296038	RT	BUY	ECONOMIC	05/13/2023	Hourly	FP	40	MEAD230	85
296044	LD	BUY	ECONOMIC	05/13/2023	Hourly	FP	-10	MEAD230	55
274046	Term	BUY	ECONOMIC	05/13/2023	Hourly	FP	120	MEAD230	41.99
296045	RT	BUY	ECONOMIC	05/14/2023	Hourly	FP	300	MEAD230	65
296046	RT	BUY	ECONOMIC	05/14/2023	Hourly	FP	92	MEAD230	55
296052	RT	BUY	ECONOMIC	05/14/2023	Hourly	FP	154	MEAD230	60
296053	LD	BUY	ECONOMIC	05/14/2023	Hourly	FP	-23	MEAD230	65
274046	Term	BUY	ECONOMIC	05/14/2023	Hourly	FP	120	MEAD230	41.99
296012	DA	BUY	ECONOMIC	05/14/2023	2x8	FP	400	M345	10
296068	RT	BUY	ECONOMIC	05/15/2023	Hourly	FP	400	M345	82
296069	RT	BUY	ECONOMIC	05/15/2023	Hourly	FP	50	M345	60
296076	RT	BUY	ECONOMIC	05/15/2023	Hourly	FP	250	MEAD230	116.87
296077	RT	BUY	ECONOMIC	05/15/2023	Hourly	FP	50	REDB	55
296078	RT	BUY	ECONOMIC	05/15/2023	Hourly	FP	300	MEAD230	105
296079	RT	BUY	ECONOMIC	05/15/2023	Hourly	FP	185	NAVAJO500	90
296080	RT	BUY	ECONOMIC	05/15/2023	Hourly	FP	15	MEAD230	90
274046	Term	BUY	ECONOMIC	05/15/2023	Hourly	FP	120	MEAD230	41.99
296009	DA	BUY	ECONOMIC	05/15/2023	Heavy Load	FP	800	M345	37

296010	DA	BUY	ECONOMIC	05/15/2023	Hourly	FP	210	MEAD230	77
296011	DA	BUY	ECONOMIC	05/15/2023	Hourly	FP	150	MEAD230	75
296012	DA	BUY	ECONOMIC	05/15/2023	2x8	FP	400	M345	10
296049	DA	BUY	ECONOMIC	05/15/2023	Hourly	FP	410	MEAD230	88.97
296085	LD	BUY	ECONOMIC	05/15/2023	Hourly	FP	-17	MEAD230	75
296054	RT	SELL	ECONOMIC	05/15/2023	Hourly	FP	200	NAVAJO500	34
296055	RT	SELL	ECONOMIC	05/15/2023	Hourly	FP	25	MEAD230	34
296007	DA	BUY	ECONOMIC	05/15/2023	Heavy Load	FP	400	MEAD230	36
296008	DA	BUY	ECONOMIC	05/15/2023	Heavy Load	FP	400	MEAD230	35
296106	RT	BUY	ECONOMIC	05/16/2023	Hourly	FP	225	M345	100
296110	RT	BUY	ECONOMIC	05/16/2023	Hourly	FP	160	M345	105
296111	RT	BUY	ECONOMIC	05/16/2023	Hourly	FP	315	MEAD230	120
274046	Term	BUY	ECONOMIC	05/16/2023	Hourly	FP	120	MEAD230	41.99
296061	DA	BUY	ECONOMIC	05/16/2023	Hourly	FP	360	MEAD230	80
296073	DA	BUY	ECONOMIC	05/16/2023	Hourly	FP	130	MEAD230	96.3
296086	RT	SELL	ECONOMIC	05/16/2023	Hourly	FP	60	NAVAJO500	35
296089	RT	SELL	ECONOMIC	05/16/2023	Hourly	FP	60	NAVAJO500	42
296062	DA	BUY	ECONOMIC	05/16/2023	Heavy Load	FP	400	MEAD230	54.5
296063	DA	BUY	ECONOMIC	05/16/2023	Heavy Load	FP	400	MEAD230	53
296064	DA	BUY	ECONOMIC	05/16/2023	Heavy Load	FP	400	MEAD230	53
296065	DA	BUY	ECONOMIC	05/16/2023	Hourly	FP	1200	REDB	95
296125	RT	SELL	ECONOMIC	05/17/2023	Hourly	FP	60	MEAD230	34
296132	RT	SELL	ECONOMIC	05/17/2023	Hourly	FP	80	MEAD230	45
274046	Term	BUY	ECONOMIC	05/17/2023	Hourly	FP	120	MEAD230	41.99
296094	DA	BUY	ECONOMIC	05/17/2023	Hourly	FP	420	MEAD230	85
296095	DA	BUY	ECONOMIC	05/17/2023	Hourly	FP	350	MEAD230	85
296096	DA	BUY	ECONOMIC	05/17/2023	Heavy Load	FP	400	MEAD230	45
296097	DA	BUY	ECONOMIC	05/17/2023	Heavy Load	FP	400	MEAD230	45
296098	DA	BUY	ECONOMIC	05/17/2023	Hourly	FP	800	MEAD230	85
296099	DA	BUY	ECONOMIC	05/17/2023	Hourly	FP	300	MEAD230	100
296100	DA	BUY	ECONOMIC	05/17/2023	Heavy Load	FP	800	MEAD230	44.43
296107	DA	BUY	ECONOMIC	05/17/2023	Hourly	FP	1370	MEAD230	61.02
296108	DA	BUY	ECONOMIC	05/17/2023	Hourly	FP	295	MCCULLOUGH500	73.26
296109	DA	BUY	ECONOMIC	05/17/2023	Hourly	FP	495	ELDORADO230	17.96
296101	DA	BUY	ECONOMIC	05/17/2023	Heavy Load	FP	400	MEAD230	44
296102	DA	BUY	ECONOMIC	05/17/2023	Hourly	FP	1500	REDB	95
296103	DA	BUY	ECONOMIC	05/17/2023	Hourly	FP	500	MEAD230	95
296104	DA	BUY	ECONOMIC	05/17/2023	Hourly	FP	1200	MEAD230	90
296140	RT	SELL	ECONOMIC	05/18/2023	Hourly	FP	30	MEAD230	45
274046	Term	BUY	ECONOMIC	05/18/2023	Hourly	FP	120	MEAD230	41.99
296122	DA	BUY	ECONOMIC	05/18/2023	Hourly	FP	420	MEAD230	85
296134	DA	BUY	ECONOMIC	05/18/2023	Hourly	FP	600	MEAD230	61.15
296137	DA	BUY	ECONOMIC	05/18/2023	Hourly	FP	220	ELDORADO230	66.1
296180	LD	BUY	ECONOMIC	05/18/2023	Hourly	FP	-4	MEAD230	85
296120	DA	BUY	ECONOMIC	05/18/2023	Hourly	FP	1050	REDB	95
296121	DA	BUY	ECONOMIC	05/18/2023	Hourly	FP	350	MEAD230	95
274046	Term	BUY	ECONOMIC	05/19/2023	Hourly	FP	120	MEAD230	41.99
296145	DA	BUY	ECONOMIC	05/19/2023	Hourly	FP	420	MEAD230	58

296147	DA	BUY	ECONOMIC	05/19/2023	Light Load	FP	200	MEAD230	22
296148	DA	BUY	ECONOMIC	05/19/2023	Light Load	FP	200	MEAD230	22
296153	DA	BUY	ECONOMIC	05/19/2023	Heavy Load	FP	800	MEAD230	25
296196	LD	BUY	ECONOMIC	05/19/2023	Hourly	FP	-78	MEAD230	58
296171	RT	BUY	RELIABILITY	05/19/2023	Hourly	FP	450	MEAD230	90
296172	RT	BUY	RELIABILITY	05/19/2023	Hourly	FP	200	MEAD230	90
296173	RT	BUY	RELIABILITY	05/19/2023	Hourly	FP	200	MEAD230	135
296179	RT	BUY	RELIABILITY	05/19/2023	Hourly	FP	100	MEAD230	29.48
296182	RT	BUY	RELIABILITY	05/19/2023	Hourly	FP	600	MEAD230	110
296183	RT	BUY	RELIABILITY	05/19/2023	Hourly	FP	50	MEAD230	27.2
296185	RT	BUY	RELIABILITY	05/19/2023	Hourly	FP	75	NAVAJO500	100
296186	RT	BUY	RELIABILITY	05/19/2023	Hourly	FP	300	HILLTOP345	100
296189	RT	BUY	RELIABILITY	05/19/2023	Hourly	FP	125	MEAD230	80
296195	LD	BUY	RELIABILITY	05/19/2023	Hourly	FP	-14	MEAD230	110
296143	DA	BUY	ECONOMIC	05/19/2023	Hourly	FP	600	REDB	62
296159	DA	BUY	ECONOMIC	05/19/2023	Hourly	FP	470	MEAD230	42.34
274046	Term	BUY	ECONOMIC	05/20/2023	Hourly	FP	120	MEAD230	41.99
296146	DA	BUY	ECONOMIC	05/20/2023	Hourly	FP	420	MEAD230	58
296147	DA	BUY	ECONOMIC	05/20/2023	Light Load	FP	200	MEAD230	22
296148	DA	BUY	ECONOMIC	05/20/2023	Light Load	FP	200	MEAD230	22
296153	DA	BUY	ECONOMIC	05/20/2023	Heavy Load	FP	800	MEAD230	25
296199	RT	BUY	ECONOMIC	05/20/2023	Hourly	FP	150	MEAD230	105
296200	RT	BUY	ECONOMIC	05/20/2023	Hourly	FP	300	MEAD230	90
296144	DA	BUY	ECONOMIC	05/20/2023	Hourly	FP	600	REDB	62
274046	Term	BUY	ECONOMIC	05/21/2023	Hourly	FP	120	MEAD230	41.99
296161	DA	BUY	ECONOMIC	05/21/2023	Hourly	FP	600	REDB	62
296163	DA	BUY	ECONOMIC	05/21/2023	Hourly	FP	600	MEAD230	62
296197	DA	BUY	ECONOMIC	05/21/2023	Hourly	FP	350	MEAD230	45.16
296221	RT	BUY	ECONOMIC	05/22/2023	Hourly	FP	80	NORTHSYS	18
296227	RT	BUY	ECONOMIC	05/22/2023	Hourly	FP	300	MEAD230	80
296233	RT	BUY	ECONOMIC	05/22/2023	Hourly	FP	25	MEAD230	80
274046	Term	BUY	ECONOMIC	05/22/2023	Hourly	FP	120	MEAD230	41.99
296165	DA	BUY	ECONOMIC	05/22/2023	Heavy Load	FP	400	MCCULLOUGH500	28.5
296166	DA	BUY	ECONOMIC	05/22/2023	Heavy Load	FP	400	MEAD230	26.9
296169	DA	BUY	ECONOMIC	05/22/2023	Hourly	FP	360	MEAD230	57.9
296170	DA	BUY	ECONOMIC	05/22/2023	Heavy Load	FP	800	M345	23
296203	DA	BUY	ECONOMIC	05/22/2023	Hourly	FP	590	MEAD230	57.39
296204	DA	BUY	ECONOMIC	05/22/2023	Hourly	FP	330	ELDORADO230	53.44
296162	DA	BUY	ECONOMIC	05/22/2023	Hourly	FP	600	REDB	62
296164	DA	BUY	ECONOMIC	05/22/2023	Hourly	FP	600	MEAD230	62
274046	Term	BUY	ECONOMIC	05/23/2023	Hourly	FP	120	MEAD230	41.99
296208	DA	BUY	ECONOMIC	05/23/2023	Hourly	FP	280	MEAD230	60
296209	DA	BUY	ECONOMIC	05/23/2023	Hourly	FP	600	MEAD230	60
296224	DA	BUY	ECONOMIC	05/23/2023	Hourly	FP	615	MEAD230	56.98
296226	DA	BUY	ECONOMIC	05/23/2023	Hourly	FP	180	ELDORADO230	62.72
296212	DA	BUY	ECONOMIC	05/23/2023	Hourly	FP	600	REDB	62
296213	DA	BUY	ECONOMIC	05/23/2023	Hourly	FP	600	MEAD230	62
296214	DA	BUY	ECONOMIC	05/23/2023	Heavy Load	FP	400	MEAD230	33

296215	DA	BUY	ECONOMIC	05/23/2023	Heavy Load	FP	400	MEAD230	32
296216	DA	BUY	ECONOMIC	05/23/2023	Heavy Load	FP	400	MEAD230	30
296217	DA	BUY	ECONOMIC	05/23/2023	Heavy Load	FP	400	MEAD230	28
274046	Term	BUY	ECONOMIC	05/24/2023	Hourly	FP	120	MEAD230	41.99
296234	DA	BUY	ECONOMIC	05/24/2023	Hourly	FP	300	MEAD230	53.69
274046	Term	BUY	ECONOMIC	05/25/2023	Hourly	FP	120	MEAD230	41.99
296241	DA	BUY	ECONOMIC	05/25/2023	Light Load	FP	400	REDB	20
296242	DA	BUY	ECONOMIC	05/25/2023	Heavy Load	FP	800	MEAD230	26
296247	LD	BUY	ECONOMIC	05/25/2023	Light Load	FP	-17	REDB	20
296239	DA	SELL	ECONOMIC	05/25/2023	Hourly	FP	400	M345	27
296240	DA	BUY	ECONOMIC	05/25/2023	Hourly	FP	450	MEAD230	53.23
274046	Term	BUY	ECONOMIC	05/26/2023	Hourly	FP	120	MEAD230	41.99
296241	DA	BUY	ECONOMIC	05/26/2023	Light Load	FP	400	REDB	20
296242	DA	BUY	ECONOMIC	05/26/2023	Heavy Load	FP	800	MEAD230	26
274046	Term	BUY	ECONOMIC	05/27/2023	Hourly	FP	120	MEAD230	41.99
274046	Term	BUY	ECONOMIC	05/28/2023	Hourly	FP	120	MEAD230	41.99
274046	Term	BUY	ECONOMIC	05/29/2023	Hourly	FP	120	MEAD230	41.99
296250	RT	BUY	ECONOMIC	05/29/2023	Hourly	FP	100	REDB	5
274046	Term	BUY	ECONOMIC	05/30/2023	Hourly	FP	120	MEAD230	41.99
274046	Term	BUY	ECONOMIC	05/31/2023	Hourly	FP	120	MEAD230	41.99
274046	Term	BUY	ECONOMIC	06/01/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/01/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/01/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/01/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/01/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/01/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/01/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/01/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/01/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/01/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/01/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/01/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/01/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/01/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/01/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/01/2023	7x16H	FP	400	MEAD230	130
296260	LD	BUY	ECONOMIC	06/01/2023	7x16H	FP	-25	MEAD230	222
296261	LD	BUY	ECONOMIC	06/01/2023	7x16H	FP	-75	MEAD230	97
293873	Term	BUY	ECONOMIC	06/01/2023	7x 1-6, 15-24	FP	1600	MEAD230	116.83
293880	Term	BUY	ECONOMIC	06/01/2023	7x8 (15-22)	FP	200	MCCULLOUGH230	175
294924	Term	BUY	ECONOMIC	06/01/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/01/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/01/2023	7x 1-6, 15-24	FP	800	MEAD230	116.83
295555	Term	BUY	ECONOMIC	06/01/2023	7x 1-6, 15-24	FP	800	MEAD230	116.83
296133	Term	BUY	ECONOMIC	06/01/2023	7x16H	FP	800	PALOVERDE500	53.71
296254	RT	SELL	ECONOMIC	06/01/2023	Hourly	FP	600	NORTHSYS	32
296252	DA	SELL	ECONOMIC	06/01/2023	Hourly	FP	1250	MEAD230	12.18
293875	Term	BUY	ECONOMIC	06/01/2023	7x16H	FP	3200	MEAD230	258.4

294392	Term	BUY	ECONOMIC	06/01/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	134.65
294393	Term	BUY	ECONOMIC	06/01/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/01/2023	7x16H	FP	400	MCCULLOUGH500	155
294929	Term	BUY	ECONOMIC	06/01/2023	7x16H	FP	400	MCCULLOUGH500	140
294933	Term	BUY	ECONOMIC	06/01/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/01/2023	7x16H	FP	800	MEAD230	112.23
274046	Term	BUY	ECONOMIC	06/02/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/02/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/02/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/02/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/02/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/02/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/02/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/02/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/02/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/02/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/02/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/02/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/02/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/02/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/02/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/02/2023	7x16H	FP	400	MEAD230	130
293873	Term	BUY	ECONOMIC	06/02/2023	7x 1-6, 15-24	FP	1600	MEAD230	115.54
293880	Term	BUY	ECONOMIC	06/02/2023	7x8 (15-22)	FP	200	MCCULLOUGH230	175
294924	Term	BUY	ECONOMIC	06/02/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/02/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/02/2023	7x 1-6, 15-24	FP	800	MEAD230	115.54
295555	Term	BUY	ECONOMIC	06/02/2023	7x 1-6, 15-24	FP	800	MEAD230	115.54
296133	Term	BUY	ECONOMIC	06/02/2023	7x16H	FP	800	PALOVERDE500	50.83
296255	DA	SELL	ECONOMIC	06/02/2023	Hourly	FP	1000	MEAD230	8.38
296262	RT	SELL	ECONOMIC	06/02/2023	Hourly	FP	210	NAVAJO500	30
293875	Term	BUY	ECONOMIC	06/02/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/02/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	134.65
294393	Term	BUY	ECONOMIC	06/02/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/02/2023	7x16H	FP	400	MCCULLOUGH500	155
294929	Term	BUY	ECONOMIC	06/02/2023	7x16H	FP	400	MCCULLOUGH500	140
294933	Term	BUY	ECONOMIC	06/02/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/02/2023	7x16H	FP	800	MEAD230	112.23
274046	Term	BUY	ECONOMIC	06/03/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/03/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/03/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/03/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/03/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/03/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/03/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/03/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/03/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/03/2023	7x16H	FP	1600	MEAD230	168

284631	Term	BUY	ECONOMIC	06/03/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/03/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/03/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/03/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/03/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/03/2023	7x16H	FP	400	MEAD230	130
293873	Term	BUY	ECONOMIC	06/03/2023	7x 1-6, 15-24	FP	1600	MEAD230	115.74
293880	Term	BUY	ECONOMIC	06/03/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/03/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/03/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/03/2023	7x 1-6, 15-24	FP	800	MEAD230	115.74
295555	Term	BUY	ECONOMIC	06/03/2023	7x 1-6, 15-24	FP	800	MEAD230	115.74
296133	Term	BUY	ECONOMIC	06/03/2023	7x16H	FP	800	PALOVERDE500	50.83
296265	DA	SELL	ECONOMIC	06/03/2023	Hourly	FP	1300	MEAD230	2.41
293875	Term	BUY	ECONOMIC	06/03/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/03/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/03/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/03/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/03/2023	7x16H	FP	400	MCCULLOUG500	140
294933	Term	BUY	ECONOMIC	06/03/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/03/2023	7x16H	FP	800	MEAD230	112.23
296270	RT	SELL	ECONOMIC	06/03/2023	Hourly	FP	250	NORTHSYS	27
296271	RT	SELL	ECONOMIC	06/03/2023	Hourly	FP	75	NAVAJO500	37
296275	RT	SELL	ECONOMIC	06/03/2023	Hourly	FP	200	NORTHSYS	34
296278	RT	BUY	ECONOMIC	06/03/2023	Hourly	FP	100	MEAD230	12
274046	Term	BUY	ECONOMIC	06/04/2023	Hourly	FP	120	MEAD230	41.99
283775	Term	BUY	ECONOMIC	06/04/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/04/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/04/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/04/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/04/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/04/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/04/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/04/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/04/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/04/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/04/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/04/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/04/2023	7x16H	FP	400	MEAD230	130
296829	LD	BUY	ECONOMIC	06/04/2023	7x 1-6, 15-24	FP	-34	PALOVERDE500	207.37
293873	Term	BUY	ECONOMIC	06/04/2023	7x 1-6, 15-24	FP	1600	MEAD230	120.14
293880	Term	BUY	ECONOMIC	06/04/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/04/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/04/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/04/2023	7x 1-6, 15-24	FP	800	MEAD230	120.14
295555	Term	BUY	ECONOMIC	06/04/2023	7x 1-6, 15-24	FP	800	MEAD230	120.14
296133	Term	BUY	ECONOMIC	06/04/2023	7x16H	FP	800	PALOVERDE500	60.33
296272	DA	SELL	ECONOMIC	06/04/2023	Hourly	FP	1700	MEAD230	5.46

293875	Term	BUY	ECONOMIC	06/04/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/04/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/04/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/04/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/04/2023	7x16H	FP	400	MCCULLOUG500	140
294933	Term	BUY	ECONOMIC	06/04/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/04/2023	7x16H	FP	800	MEAD230	112.23
296287	LD	BUY	ECONOMIC	06/04/2023	7x16H	FP	-6	MCCULLOUG500	155
296280	RT	SELL	ECONOMIC	06/04/2023	Hourly	FP	300	NAVAJO500	40
296281	RT	SELL	ECONOMIC	06/04/2023	Hourly	FP	300	NORTHSYS	23
296291	RT	BUY	ECONOMIC	06/05/2023	Hourly	FP	1000	MEAD230	5
296298	LD	BUY	ECONOMIC	06/05/2023	Hourly	FP	-150	MEAD230	5
274046	Term	BUY	ECONOMIC	06/05/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/05/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/05/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/05/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/05/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/05/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/05/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/05/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/05/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/05/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/05/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/05/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/05/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/05/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/05/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/05/2023	7x16H	FP	400	MEAD230	130
296830	LD	BUY	ECONOMIC	06/05/2023	7x 1-6, 15-24	FP	-9	PALOVERDE500	207.37
293873	Term	BUY	ECONOMIC	06/05/2023	7x 1-6, 15-24	FP	1600	MEAD230	123.12
293880	Term	BUY	ECONOMIC	06/05/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/05/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/05/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/05/2023	7x 1-6, 15-24	FP	800	MEAD230	123.12
295555	Term	BUY	ECONOMIC	06/05/2023	7x 1-6, 15-24	FP	800	MEAD230	123.12
296133	Term	BUY	ECONOMIC	06/05/2023	7x16H	FP	800	PALOVERDE500	68.5
296282	DA	SELL	ECONOMIC	06/05/2023	Hourly	FP	450	MEAD230	24.93
296299	RT	SELL	ECONOMIC	06/05/2023	Hourly	FP	350	NORTHSYS	22
293875	Term	BUY	ECONOMIC	06/05/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/05/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/05/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/05/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/05/2023	7x16H	FP	400	MCCULLOUG500	140
294933	Term	BUY	ECONOMIC	06/05/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/05/2023	7x16H	FP	800	MEAD230	112.23
296302	RT	SELL	ECONOMIC	06/06/2023	Hourly	FP	100	NAVAJO500	40
296305	RT	SELL	ECONOMIC	06/06/2023	Hourly	FP	50	M345	22
274046	Term	BUY	ECONOMIC	06/06/2023	Hourly	FP	120	MEAD230	41.99

282860	Term	BUY	ECONOMIC	06/06/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/06/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/06/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/06/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/06/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/06/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/06/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/06/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/06/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/06/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/06/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/06/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/06/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/06/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/06/2023	7x16H	FP	400	MEAD230	130
296831	LD	BUY	ECONOMIC	06/06/2023	7x 1-6, 15-24	FP	-30	PALOVERDE500	207.37
296864	LD	BUY	ECONOMIC	06/06/2023	Hourly	FP	-5	MEAD230	41.99
296865	LD	BUY	ECONOMIC	06/06/2023	Hourly	FP	-15	MEAD230	97
293873	Term	BUY	ECONOMIC	06/06/2023	7x 1-6, 15-24	FP	1600	MEAD230	127.47
293880	Term	BUY	ECONOMIC	06/06/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/06/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/06/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/06/2023	7x 1-6, 15-24	FP	800	MEAD230	127.47
295555	Term	BUY	ECONOMIC	06/06/2023	7x 1-6, 15-24	FP	800	MEAD230	127.47
296133	Term	BUY	ECONOMIC	06/06/2023	7x16H	FP	800	PALOVERDE500	75.33
296308	RT	SELL	ECONOMIC	06/06/2023	Hourly	FP	100	HILLTOP345	30
293875	Term	BUY	ECONOMIC	06/06/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/06/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/06/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/06/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/06/2023	7x16H	FP	400	MCCULLOUG500	140
294933	Term	BUY	ECONOMIC	06/06/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/06/2023	7x16H	FP	800	MEAD230	112.23
274046	Term	BUY	ECONOMIC	06/07/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/07/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/07/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/07/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/07/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/07/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/07/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/07/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/07/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/07/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/07/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/07/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/07/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/07/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/07/2023	7x16H	FP	800	MEAD230	222

284639	Term	BUY	ECONOMIC	06/07/2023	7x16H	FP	400	MEAD230	130
293873	Term	BUY	ECONOMIC	06/07/2023	7x 1-6, 15-24	FP	1600	MEAD230	127.36
293880	Term	BUY	ECONOMIC	06/07/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/07/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/07/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/07/2023	7x 1-6, 15-24	FP	800	MEAD230	127.36
295555	Term	BUY	ECONOMIC	06/07/2023	7x 1-6, 15-24	FP	800	MEAD230	127.36
296133	Term	BUY	ECONOMIC	06/07/2023	7x16H	FP	800	PALOVERDE500	67.45
296310	DA	SELL	ECONOMIC	06/07/2023	Hourly	FP	300	MEAD230	35.41
296315	RT	SELL	ECONOMIC	06/07/2023	Hourly	FP	400	MEAD230	55
296325	RT	SELL	ECONOMIC	06/07/2023	Hourly	FP	100	HILLTOP345	55
293875	Term	BUY	ECONOMIC	06/07/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/07/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/07/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/07/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/07/2023	7x16H	FP	400	MCCULLOUG500	140
294933	Term	BUY	ECONOMIC	06/07/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/07/2023	7x16H	FP	800	MEAD230	112.23
274046	Term	BUY	ECONOMIC	06/08/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/08/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/08/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/08/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/08/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/08/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/08/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/08/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/08/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/08/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/08/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/08/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/08/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/08/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/08/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/08/2023	7x16H	FP	400	MEAD230	130
293873	Term	BUY	ECONOMIC	06/08/2023	7x 1-6, 15-24	FP	1600	MEAD230	127.72
293880	Term	BUY	ECONOMIC	06/08/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/08/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/08/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/08/2023	7x 1-6, 15-24	FP	800	MEAD230	127.72
295555	Term	BUY	ECONOMIC	06/08/2023	7x 1-6, 15-24	FP	800	MEAD230	127.72
296133	Term	BUY	ECONOMIC	06/08/2023	7x16H	FP	800	PALOVERDE500	65.45
296334	RT	SELL	ECONOMIC	06/08/2023	Hourly	FP	100	MEAD230	55
296338	RT	SELL	ECONOMIC	06/08/2023	Hourly	FP	600	NORTHSYS	40
296339	LD	SELL	ECONOMIC	06/08/2023	Hourly	FP	-2	MEAD230	55
293875	Term	BUY	ECONOMIC	06/08/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/08/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/08/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/08/2023	7x16H	FP	400	MCCULLOUG500	155

294929	Term	BUY	ECONOMIC	06/08/2023	7x16H	FP	400	MCCULLOUGH500	140
294933	Term	BUY	ECONOMIC	06/08/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/08/2023	7x16H	FP	800	MEAD230	112.23
296331	RT	SELL	ECONOMIC	06/08/2023	Hourly	FP	50	NAVAJO500	48
274046	Term	BUY	ECONOMIC	06/09/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/09/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/09/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/09/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/09/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/09/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/09/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/09/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/09/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/09/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/09/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/09/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/09/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/09/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/09/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/09/2023	7x16H	FP	400	MEAD230	130
293873	Term	BUY	ECONOMIC	06/09/2023	7x 1-6, 15-24	FP	1600	MEAD230	123.75
293880	Term	BUY	ECONOMIC	06/09/2023	7x8 (15-22)	FP	200	MCCULLOUGH230	175
294924	Term	BUY	ECONOMIC	06/09/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/09/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/09/2023	7x 1-6, 15-24	FP	800	MEAD230	123.75
295555	Term	BUY	ECONOMIC	06/09/2023	7x 1-6, 15-24	FP	800	MEAD230	123.75
296133	Term	BUY	ECONOMIC	06/09/2023	7x16H	FP	800	PALOVERDE500	55.1
293875	Term	BUY	ECONOMIC	06/09/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/09/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	134.65
294393	Term	BUY	ECONOMIC	06/09/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/09/2023	7x16H	FP	400	MCCULLOUGH500	155
294929	Term	BUY	ECONOMIC	06/09/2023	7x16H	FP	400	MCCULLOUGH500	140
294933	Term	BUY	ECONOMIC	06/09/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/09/2023	7x16H	FP	800	MEAD230	112.23
274046	Term	BUY	ECONOMIC	06/10/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/10/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/10/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/10/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/10/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/10/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/10/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/10/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/10/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/10/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/10/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/10/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/10/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/10/2023	7x16H	FP	800	MEAD230	175

284638	Term	BUY	ECONOMIC	06/10/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/10/2023	7x16H	FP	400	MEAD230	130
296350	LD	BUY	ECONOMIC	06/10/2023	7x16H	FP	-55	MEAD230	97
296358	LD	BUY	ECONOMIC	06/10/2023	7x 1-6, 15-24	FP	-45	PALOVERDE500	207.37
293873	Term	BUY	ECONOMIC	06/10/2023	7x 1-6, 15-24	FP	1600	MEAD230	121.23
293880	Term	BUY	ECONOMIC	06/10/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/10/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/10/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/10/2023	7x 1-6, 15-24	FP	800	MEAD230	121.23
295555	Term	BUY	ECONOMIC	06/10/2023	7x 1-6, 15-24	FP	800	MEAD230	121.23
296133	Term	BUY	ECONOMIC	06/10/2023	7x16H	FP	800	PALOVERDE500	55.1
296351	LD	BUY	ECONOMIC	06/10/2023	7x16H	FP	-26	PALOVERDE500	55.1
293875	Term	BUY	ECONOMIC	06/10/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/10/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/10/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/10/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/10/2023	7x16H	FP	400	MCCULLOUG500	140
294933	Term	BUY	ECONOMIC	06/10/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/10/2023	7x16H	FP	800	MEAD230	112.23
296347	LD	BUY	ECONOMIC	06/10/2023	7x16H	FP	-26	MEAD230	258.4
296348	LD	BUY	ECONOMIC	06/10/2023	7x16H	FP	-9	MCCULLOUG500	155
296349	LD	BUY	ECONOMIC	06/10/2023	7x16H	FP	-14	MCCULLOUG500	140
296352	LD	BUY	ECONOMIC	06/10/2023	7x8 (15-22)	FP	-13	PALOVERDE500	134.65
274046	Term	BUY	ECONOMIC	06/11/2023	Hourly	FP	120	MEAD230	41.99
283775	Term	BUY	ECONOMIC	06/11/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/11/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/11/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/11/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/11/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/11/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/11/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/11/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/11/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/11/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/11/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/11/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/11/2023	7x16H	FP	400	MEAD230	130
296355	LD	BUY	ECONOMIC	06/11/2023	7x 1-6, 15-24	FP	-59	PALOVERDE500	207.37
293873	Term	BUY	ECONOMIC	06/11/2023	7x 1-6, 15-24	FP	1600	MEAD230	116.23
293880	Term	BUY	ECONOMIC	06/11/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/11/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/11/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/11/2023	7x 1-6, 15-24	FP	800	MEAD230	116.23
295555	Term	BUY	ECONOMIC	06/11/2023	7x 1-6, 15-24	FP	800	MEAD230	116.23
296133	Term	BUY	ECONOMIC	06/11/2023	7x16H	FP	800	PALOVERDE500	49.88
296343	RT	SELL	ECONOMIC	06/11/2023	Hourly	FP	350	MEAD230	15.61
293875	Term	BUY	ECONOMIC	06/11/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/11/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65

294393	Term	BUY	ECONOMIC	06/11/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/11/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/11/2023	7x16H	FP	400	MCCULLOUG500	140
294933	Term	BUY	ECONOMIC	06/11/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/11/2023	7x16H	FP	800	MEAD230	112.23
274046	Term	BUY	ECONOMIC	06/12/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/12/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/12/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/12/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/12/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/12/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/12/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/12/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/12/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/12/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/12/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/12/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/12/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/12/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/12/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/12/2023	7x16H	FP	400	MEAD230	130
296365	LD	BUY	ECONOMIC	06/12/2023	7x16H	FP	-23	MEAD230	222
293873	Term	BUY	ECONOMIC	06/12/2023	7x 1-6, 15-24	FP	1600	MEAD230	120.92
293880	Term	BUY	ECONOMIC	06/12/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/12/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/12/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/12/2023	7x 1-6, 15-24	FP	800	MEAD230	120.92
295555	Term	BUY	ECONOMIC	06/12/2023	7x 1-6, 15-24	FP	800	MEAD230	120.92
296133	Term	BUY	ECONOMIC	06/12/2023	7x16H	FP	800	PALOVERDE500	59.47
296371	LD	BUY	ECONOMIC	06/12/2023	7x16H	FP	-3	PALOVERDE500	59.47
296353	DA	SELL	ECONOMIC	06/12/2023	Hourly	FP	350	MEAD230	30.34
293875	Term	BUY	ECONOMIC	06/12/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/12/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/12/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/12/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/12/2023	7x16H	FP	400	MCCULLOUG500	140
294933	Term	BUY	ECONOMIC	06/12/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/12/2023	7x16H	FP	800	MEAD230	112.23
296360	RT	SELL	ECONOMIC	06/12/2023	Hourly	FP	500	NAVAJO500	39
274046	Term	BUY	ECONOMIC	06/13/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/13/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/13/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/13/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/13/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/13/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/13/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/13/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/13/2023	7x16H	FP	800	MEAD230	97

284630	Term	BUY	ECONOMIC	06/13/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/13/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/13/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/13/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/13/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/13/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/13/2023	7x16H	FP	400	MEAD230	130
296377	LD	BUY	ECONOMIC	06/13/2023	7x16H	FP	-14	MEAD230	175
296379	LD	BUY	ECONOMIC	06/13/2023	7x16H	FP	-7	MEAD230	222
296403	LD	BUY	ECONOMIC	06/13/2023	7x 1-6, 15-24	FP	-3	PALOVERDE500	134.65
296405	LD	BUY	ECONOMIC	06/13/2023	7x 1-6, 15-24	FP	-47	PALOVERDE500	207.37
293873	Term	BUY	ECONOMIC	06/13/2023	7x 1-6, 15-24	FP	1600	MEAD230	119
293880	Term	BUY	ECONOMIC	06/13/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/13/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/13/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/13/2023	7x 1-6, 15-24	FP	800	MEAD230	119
295555	Term	BUY	ECONOMIC	06/13/2023	7x 1-6, 15-24	FP	800	MEAD230	119
296133	Term	BUY	ECONOMIC	06/13/2023	7x16H	FP	800	PALOVERDE500	48.73
296669	LD	BUY	ECONOMIC	06/13/2023	7x 1-6, 15-24	FP	-13	MEAD230	285
296364	DA	SELL	ECONOMIC	06/13/2023	Hourly	FP	250	MEAD230	20.58
293875	Term	BUY	ECONOMIC	06/13/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/13/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/13/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/13/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/13/2023	7x16H	FP	400	MCCULLOUG500	140
294933	Term	BUY	ECONOMIC	06/13/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/13/2023	7x16H	FP	800	MEAD230	112.23
296376	LD	BUY	ECONOMIC	06/13/2023	7x16H	FP	-14	MEAD230	258.4
296383	LD	BUY	ECONOMIC	06/13/2023	7x16H	FP	-14	MCCULLOUG500	155
296404	LD	BUY	ECONOMIC	06/13/2023	7x8 (15-22)	FP	-11	PALOVERDE500	134.65
296373	RT	SELL	ECONOMIC	06/13/2023	Hourly	FP	105	NAVAJO500	34
296387	RT	BUY	ECONOMIC	06/14/2023	Hourly	FP	1	MEAD230	0
274046	Term	BUY	ECONOMIC	06/14/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/14/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/14/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/14/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/14/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/14/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/14/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/14/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/14/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/14/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/14/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/14/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/14/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/14/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/14/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/14/2023	7x16H	FP	400	MEAD230	130

296397	LD	BUY	ECONOMIC	06/14/2023	7x16H	FP	-2	MEAD230	222
296398	LD	BUY	ECONOMIC	06/14/2023	7x16H	FP	-5	MEAD230	175
296399	LD	BUY	ECONOMIC	06/14/2023	7x 1-6, 15-24	FP	-5	PALOVERDE500	134.65
293873	Term	BUY	ECONOMIC	06/14/2023	7x 1-6, 15-24	FP	1600	MEAD230	117.18
293880	Term	BUY	ECONOMIC	06/14/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/14/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/14/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/14/2023	7x 1-6, 15-24	FP	800	MEAD230	117.18
295555	Term	BUY	ECONOMIC	06/14/2023	7x 1-6, 15-24	FP	800	MEAD230	117.18
296133	Term	BUY	ECONOMIC	06/14/2023	7x16H	FP	800	PALOVERDE500	47.58
296372	DA	SELL	ECONOMIC	06/14/2023	Hourly	FP	300	MEAD230	17.35
296401	LD	BUY	ECONOMIC	06/14/2023	7x 1-6, 15-24	FP	-5	MEAD230	285
293875	Term	BUY	ECONOMIC	06/14/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/14/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/14/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/14/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/14/2023	7x16H	FP	400	MCCULLOUG500	140
294933	Term	BUY	ECONOMIC	06/14/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/14/2023	7x16H	FP	800	MEAD230	112.23
296406	LD	BUY	ECONOMIC	06/14/2023	7x16H	FP	-8	MEAD230	258.4
296407	LD	BUY	ECONOMIC	06/14/2023	7x16H	FP	-2	MCCULLOUG500	155
296408	LD	BUY	ECONOMIC	06/14/2023	7x16H	FP	-2	MCCULLOUG500	140
296391	RT	SELL	ECONOMIC	06/14/2023	Hourly	FP	30	MEAD230	30
296392	RT	SELL	ECONOMIC	06/14/2023	Hourly	FP	100	NAVAJO500	32
274046	Term	BUY	ECONOMIC	06/15/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/15/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/15/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/15/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/15/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/15/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/15/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/15/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/15/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/15/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/15/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/15/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/15/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/15/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/15/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/15/2023	7x16H	FP	400	MEAD230	130
293873	Term	BUY	ECONOMIC	06/15/2023	7x 1-6, 15-24	FP	1600	MEAD230	118.04
293880	Term	BUY	ECONOMIC	06/15/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/15/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/15/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/15/2023	7x 1-6, 15-24	FP	800	MEAD230	118.04
295555	Term	BUY	ECONOMIC	06/15/2023	7x 1-6, 15-24	FP	800	MEAD230	118.04
296133	Term	BUY	ECONOMIC	06/15/2023	7x16H	FP	800	PALOVERDE500	57.85
296390	DA	SELL	ECONOMIC	06/15/2023	Hourly	FP	400	MEAD230	16.86

293875	Term	BUY	ECONOMIC	06/15/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/15/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/15/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/15/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/15/2023	7x16H	FP	400	MCCULLOUG500	140
294933	Term	BUY	ECONOMIC	06/15/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/15/2023	7x16H	FP	800	MEAD230	112.23
296410	RT	SELL	ECONOMIC	06/15/2023	Hourly	FP	150	MEAD230	55
296415	RT	SELL	ECONOMIC	06/16/2023	Hourly	FP	130	NAVAJO500	20
296416	RT	SELL	ECONOMIC	06/16/2023	Hourly	FP	100	MEAD230	7
296418	RT	SELL	ECONOMIC	06/16/2023	Hourly	FP	250	M345	13
296419	RT	SELL	ECONOMIC	06/16/2023	Hourly	FP	200	M345	20
296420	RT	SELL	ECONOMIC	06/16/2023	Hourly	FP	85	MEAD230	9
296421	RT	SELL	ECONOMIC	06/16/2023	Hourly	FP	50	NAVAJO500	22
274046	Term	BUY	ECONOMIC	06/16/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/16/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/16/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/16/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/16/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/16/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/16/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/16/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/16/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/16/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/16/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/16/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/16/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/16/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/16/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/16/2023	7x16H	FP	400	MEAD230	130
293873	Term	BUY	ECONOMIC	06/16/2023	7x 1-6, 15-24	FP	1600	MEAD230	119.93
293880	Term	BUY	ECONOMIC	06/16/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/16/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/16/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/16/2023	7x 1-6, 15-24	FP	800	MEAD230	119.93
295555	Term	BUY	ECONOMIC	06/16/2023	7x 1-6, 15-24	FP	800	MEAD230	119.93
296133	Term	BUY	ECONOMIC	06/16/2023	7x16H	FP	800	PALOVERDE500	57.85
293875	Term	BUY	ECONOMIC	06/16/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/16/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/16/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/16/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/16/2023	7x16H	FP	400	MCCULLOUG500	140
294933	Term	BUY	ECONOMIC	06/16/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/16/2023	7x16H	FP	800	MEAD230	112.23
274046	Term	BUY	ECONOMIC	06/17/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/17/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/17/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/17/2023	7x 1-6, 15-24	FP	1696	REDB	259.33

283776	Term	BUY	ECONOMIC	06/17/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/17/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/17/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/17/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/17/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/17/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/17/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/17/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/17/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/17/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/17/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/17/2023	7x16H	FP	400	MEAD230	130
293873	Term	BUY	ECONOMIC	06/17/2023	7x 1-6, 15-24	FP	1600	MEAD230	118.69
293880	Term	BUY	ECONOMIC	06/17/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/17/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/17/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/17/2023	7x 1-6, 15-24	FP	800	MEAD230	118.69
295555	Term	BUY	ECONOMIC	06/17/2023	7x 1-6, 15-24	FP	800	MEAD230	118.69
296133	Term	BUY	ECONOMIC	06/17/2023	7x16H	FP	800	PALOVERDE500	50.76
296413	DA	SELL	ECONOMIC	06/17/2023	Hourly	FP	300	MEAD230	6.8
293875	Term	BUY	ECONOMIC	06/17/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/17/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/17/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/17/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/17/2023	7x16H	FP	400	MCCULLOUG500	140
294933	Term	BUY	ECONOMIC	06/17/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/17/2023	7x16H	FP	800	MEAD230	112.23
274046	Term	BUY	ECONOMIC	06/18/2023	Hourly	FP	120	MEAD230	41.99
283775	Term	BUY	ECONOMIC	06/18/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/18/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/18/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/18/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/18/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/18/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/18/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/18/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/18/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/18/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/18/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/18/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/18/2023	7x16H	FP	400	MEAD230	130
293873	Term	BUY	ECONOMIC	06/18/2023	7x 1-6, 15-24	FP	1600	MEAD230	111.95
293880	Term	BUY	ECONOMIC	06/18/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/18/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/18/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/18/2023	7x 1-6, 15-24	FP	800	MEAD230	111.95
295555	Term	BUY	ECONOMIC	06/18/2023	7x 1-6, 15-24	FP	800	MEAD230	111.95
296133	Term	BUY	ECONOMIC	06/18/2023	7x16H	FP	800	PALOVERDE500	48

296429	DA	SELL	ECONOMIC	06/18/2023	Hourly	FP	100	MEAD230	0.12
296438	LD	BUY	ECONOMIC	06/18/2023	Hourly	FP	-1	PALOVERDE500	48
293875	Term	BUY	ECONOMIC	06/18/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/18/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/18/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/18/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/18/2023	7x16H	FP	400	MCCULLOUG500	140
294933	Term	BUY	ECONOMIC	06/18/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/18/2023	7x16H	FP	800	MEAD230	112.23
296437	LD	BUY	ECONOMIC	06/18/2023	Hourly	FP	-28	PALOVERDE500	134.65
274046	Term	BUY	ECONOMIC	06/19/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/19/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/19/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/19/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/19/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/19/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/19/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/19/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/19/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/19/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/19/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/19/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/19/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/19/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/19/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/19/2023	7x16H	FP	400	MEAD230	130
293873	Term	BUY	ECONOMIC	06/19/2023	7x 1-6, 15-24	FP	1600	MEAD230	114.28
293880	Term	BUY	ECONOMIC	06/19/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/19/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/19/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/19/2023	7x 1-6, 15-24	FP	800	MEAD230	114.28
295555	Term	BUY	ECONOMIC	06/19/2023	7x 1-6, 15-24	FP	800	MEAD230	114.28
296133	Term	BUY	ECONOMIC	06/19/2023	7x16H	FP	800	PALOVERDE500	53.06
293875	Term	BUY	ECONOMIC	06/19/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/19/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/19/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/19/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/19/2023	7x16H	FP	400	MCCULLOUG500	140
294933	Term	BUY	ECONOMIC	06/19/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/19/2023	7x16H	FP	800	MEAD230	112.23
296439	RT	SELL	ECONOMIC	06/20/2023	Hourly	FP	60	MEAD230	46
296447	RT	SELL	ECONOMIC	06/20/2023	Hourly	FP	100	MEAD230	54
274046	Term	BUY	ECONOMIC	06/20/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/20/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/20/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/20/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/20/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/20/2023	7x16H	FP	800	MEAD230	115.5

284624	Term	BUY	ECONOMIC	06/20/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/20/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/20/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/20/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/20/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/20/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/20/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/20/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/20/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/20/2023	7x16H	FP	400	MEAD230	130
293873	Term	BUY	ECONOMIC	06/20/2023	7x 1-6, 15-24	FP	1600	MEAD230	113.42
293880	Term	BUY	ECONOMIC	06/20/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/20/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/20/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/20/2023	7x 1-6, 15-24	FP	800	MEAD230	113.42
295555	Term	BUY	ECONOMIC	06/20/2023	7x 1-6, 15-24	FP	800	MEAD230	113.42
296133	Term	BUY	ECONOMIC	06/20/2023	7x16H	FP	800	PALOVERDE500	53.06
296435	DA	SELL	ECONOMIC	06/20/2023	Hourly	FP	200	MEAD230	7.07
293875	Term	BUY	ECONOMIC	06/20/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/20/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/20/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/20/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/20/2023	7x16H	FP	400	MCCULLOUG500	140
294933	Term	BUY	ECONOMIC	06/20/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/20/2023	7x16H	FP	800	MEAD230	112.23
296453	RT	SELL	ECONOMIC	06/21/2023	Hourly	FP	130	MEAD230	25
296458	RT	SELL	ECONOMIC	06/21/2023	Hourly	FP	95	MEAD230	53
296450	RT	SELL	ECONOMIC	06/21/2023	Hourly	FP	200	MEAD230	35
274046	Term	BUY	ECONOMIC	06/21/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/21/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/21/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/21/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/21/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/21/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/21/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/21/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/21/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/21/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/21/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/21/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/21/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/21/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/21/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/21/2023	7x16H	FP	400	MEAD230	130
296463	LD	BUY	ECONOMIC	06/21/2023	7x 1-6, 15-24	FP	-4	PALOVERDE500	134.65
296832	LD	BUY	ECONOMIC	06/21/2023	7x 1-6, 15-24	FP	-12	PALOVERDE500	207.37
293873	Term	BUY	ECONOMIC	06/21/2023	7x 1-6, 15-24	FP	1600	MEAD230	122.2
293880	Term	BUY	ECONOMIC	06/21/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175

294924	Term	BUY	ECONOMIC	06/21/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/21/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/21/2023	7x 1-6, 15-24	FP	800	MEAD230	122.2
295555	Term	BUY	ECONOMIC	06/21/2023	7x 1-6, 15-24	FP	800	MEAD230	122.2
296133	Term	BUY	ECONOMIC	06/21/2023	7x16H	FP	800	PALOVERDE500	60.5
296441	DA	SELL	ECONOMIC	06/21/2023	Hourly	FP	1600	MEAD230	4.67
296465	LD	BUY	ECONOMIC	06/21/2023	7x 1-6, 15-24	FP	-3	MEAD230	285
293875	Term	BUY	ECONOMIC	06/21/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/21/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/21/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/21/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/21/2023	7x16H	FP	400	MCCULLOUG500	140
294933	Term	BUY	ECONOMIC	06/21/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/21/2023	7x16H	FP	800	MEAD230	112.23
296461	LD	BUY	ECONOMIC	06/21/2023	7x16H	FP	-2	MCCULLOUG500	155
296462	LD	BUY	ECONOMIC	06/21/2023	7x16H	FP	-2	MCCULLOUG500	140
296464	LD	BUY	ECONOMIC	06/21/2023	7x16H	FP	-4	MEAD230	258.4
296473	RT	SELL	ECONOMIC	06/22/2023	Hourly	FP	160	NAVAJO500	65
274046	Term	BUY	ECONOMIC	06/22/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/22/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/22/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/22/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/22/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/22/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/22/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/22/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/22/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/22/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/22/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/22/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/22/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/22/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/22/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/22/2023	7x16H	FP	400	MEAD230	130
296477	LD	BUY	ECONOMIC	06/22/2023	7x16H	FP	-23	MEAD230	222
293873	Term	BUY	ECONOMIC	06/22/2023	7x 1-6, 15-24	FP	1600	MEAD230	122.05
293880	Term	BUY	ECONOMIC	06/22/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/22/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/22/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/22/2023	7x 1-6, 15-24	FP	800	MEAD230	122.05
295555	Term	BUY	ECONOMIC	06/22/2023	7x 1-6, 15-24	FP	800	MEAD230	122.05
296133	Term	BUY	ECONOMIC	06/22/2023	7x16H	FP	800	PALOVERDE500	57.17
296456	DA	SELL	ECONOMIC	06/22/2023	Hourly	FP	1150	MEAD230	7.77
293875	Term	BUY	ECONOMIC	06/22/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/22/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/22/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/22/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/22/2023	7x16H	FP	400	MCCULLOUG500	140

294933	Term	BUY	ECONOMIC	06/22/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/22/2023	7x16H	FP	800	MEAD230	112.23
296478	RT	SELL	ECONOMIC	06/23/2023	Hourly	FP	800	MEAD230	25
296479	RT	SELL	ECONOMIC	06/23/2023	Hourly	FP	625	M345	12
296481	RT	SELL	ECONOMIC	06/23/2023	Hourly	FP	100	MEAD230	25
274046	Term	BUY	ECONOMIC	06/23/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/23/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/23/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/23/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/23/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/23/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/23/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/23/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/23/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/23/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/23/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/23/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/23/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/23/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/23/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/23/2023	7x16H	FP	400	MEAD230	130
293873	Term	BUY	ECONOMIC	06/23/2023	7x 1-6, 15-24	FP	1600	MEAD230	116.71
293880	Term	BUY	ECONOMIC	06/23/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/23/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/23/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/23/2023	7x 1-6, 15-24	FP	800	MEAD230	116.71
295555	Term	BUY	ECONOMIC	06/23/2023	7x 1-6, 15-24	FP	800	MEAD230	116.71
296133	Term	BUY	ECONOMIC	06/23/2023	7x16H	FP	800	PALOVERDE500	52.25
296470	DA	SELL	ECONOMIC	06/23/2023	Hourly	FP	650	MEAD230	7.17
293875	Term	BUY	ECONOMIC	06/23/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/23/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/23/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/23/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/23/2023	7x16H	FP	400	MCCULLOUG500	140
294933	Term	BUY	ECONOMIC	06/23/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/23/2023	7x16H	FP	800	MEAD230	112.23
296486	DA	SELL	ECONOMIC	06/24/2023	Hourly	FP	1600	MEAD230	6.63
274046	Term	BUY	ECONOMIC	06/24/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/24/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/24/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/24/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/24/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/24/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/24/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/24/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/24/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/24/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/24/2023	7x16H	FP	400	MEAD230	170.63

284632	Term	BUY	ECONOMIC	06/24/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/24/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/24/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/24/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/24/2023	7x16H	FP	400	MEAD230	130
293873	Term	BUY	ECONOMIC	06/24/2023	7x 1-6, 15-24	FP	1600	MEAD230	120.14
293880	Term	BUY	ECONOMIC	06/24/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/24/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/24/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/24/2023	7x 1-6, 15-24	FP	800	MEAD230	120.14
295555	Term	BUY	ECONOMIC	06/24/2023	7x 1-6, 15-24	FP	800	MEAD230	120.14
296133	Term	BUY	ECONOMIC	06/24/2023	7x16H	FP	800	PALOVERDE500	52.25
293875	Term	BUY	ECONOMIC	06/24/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/24/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/24/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/24/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/24/2023	7x16H	FP	400	MCCULLOUG500	140
294933	Term	BUY	ECONOMIC	06/24/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/24/2023	7x16H	FP	800	MEAD230	112.23
296489	DA	SELL	ECONOMIC	06/25/2023	Hourly	FP	200	MEAD230	2.99
274046	Term	BUY	ECONOMIC	06/25/2023	Hourly	FP	120	MEAD230	41.99
283775	Term	BUY	ECONOMIC	06/25/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/25/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/25/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/25/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/25/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/25/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/25/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/25/2023	7x16H	FP	397	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/25/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/25/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/25/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/25/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/25/2023	7x16H	FP	400	MEAD230	130
293873	Term	BUY	ECONOMIC	06/25/2023	7x 1-6, 15-24	FP	1600	MEAD230	116.5
293880	Term	BUY	ECONOMIC	06/25/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/25/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/25/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/25/2023	7x 1-6, 15-24	FP	800	MEAD230	116.5
295555	Term	BUY	ECONOMIC	06/25/2023	7x 1-6, 15-24	FP	800	MEAD230	116.5
296133	Term	BUY	ECONOMIC	06/25/2023	7x16H	FP	800	PALOVERDE500	51.75
296493	RT	SELL	ECONOMIC	06/25/2023	Hourly	FP	800	M345	7
296494	RT	SELL	ECONOMIC	06/25/2023	Hourly	FP	300	M345	8
296495	RT	SELL	ECONOMIC	06/25/2023	Hourly	FP	100	M345	5
296497	RT	SELL	ECONOMIC	06/25/2023	Hourly	FP	35	MEAD230	1
296498	RT	SELL	ECONOMIC	06/25/2023	Hourly	FP	15	NAVAJO500	8
296505	RT	SELL	ECONOMIC	06/25/2023	Hourly	FP	110	MEAD230	45
293875	Term	BUY	ECONOMIC	06/25/2023	7x16H	FP	3200	MEAD230	258.4

294392	Term	BUY	ECONOMIC	06/25/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	134.65
294393	Term	BUY	ECONOMIC	06/25/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/25/2023	7x16H	FP	400	MCCULLOUGH500	155
294929	Term	BUY	ECONOMIC	06/25/2023	7x16H	FP	400	MCCULLOUGH500	140
294933	Term	BUY	ECONOMIC	06/25/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/25/2023	7x16H	FP	800	MEAD230	112.23
296512	LD	BUY	ECONOMIC	06/25/2023	7x8 (15-22)	FP	-7	PALOVERDE500	134.65
274046	Term	BUY	ECONOMIC	06/26/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/26/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/26/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/26/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/26/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/26/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/26/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/26/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/26/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/26/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/26/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/26/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/26/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/26/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/26/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/26/2023	7x16H	FP	400	MEAD230	130
293873	Term	BUY	ECONOMIC	06/26/2023	7x 1-6, 15-24	FP	1600	MEAD230	121.58
293880	Term	BUY	ECONOMIC	06/26/2023	7x8 (15-22)	FP	200	MCCULLOUGH230	175
294924	Term	BUY	ECONOMIC	06/26/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/26/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/26/2023	7x 1-6, 15-24	FP	800	MEAD230	121.58
295555	Term	BUY	ECONOMIC	06/26/2023	7x 1-6, 15-24	FP	800	MEAD230	121.58
296133	Term	BUY	ECONOMIC	06/26/2023	7x16H	FP	800	PALOVERDE500	59.74
296510	RT	SELL	ECONOMIC	06/26/2023	Hourly	FP	450	M345	10
293875	Term	BUY	ECONOMIC	06/26/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/26/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	134.65
294393	Term	BUY	ECONOMIC	06/26/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/26/2023	7x16H	FP	400	MCCULLOUGH500	155
294929	Term	BUY	ECONOMIC	06/26/2023	7x16H	FP	400	MCCULLOUGH500	140
294933	Term	BUY	ECONOMIC	06/26/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/26/2023	7x16H	FP	800	MEAD230	112.23
296514	LD	BUY	ECONOMIC	06/26/2023	7x16H	FP	-33	MCCULLOUGH500	155
296515	LD	BUY	ECONOMIC	06/26/2023	7x16H	FP	-15	MCCULLOUGH500	140
296525	LD	BUY	ECONOMIC	06/27/2023	Hourly	FP	-25	MCCULLOUGH500	155
274046	Term	BUY	ECONOMIC	06/27/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/27/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/27/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/27/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/27/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/27/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/27/2023	7x16H	FP	400	MEAD230	89

284625	Term	BUY	ECONOMIC	06/27/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/27/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/27/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/27/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/27/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/27/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/27/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/27/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/27/2023	7x16H	FP	400	MEAD230	130
293873	Term	BUY	ECONOMIC	06/27/2023	7x 1-6, 15-24	FP	1600	MEAD230	129.05
293880	Term	BUY	ECONOMIC	06/27/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/27/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/27/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/27/2023	7x 1-6, 15-24	FP	800	MEAD230	129.05
295555	Term	BUY	ECONOMIC	06/27/2023	7x 1-6, 15-24	FP	800	MEAD230	129.05
296133	Term	BUY	ECONOMIC	06/27/2023	7x16H	FP	800	PALOVERDE500	64.61
296519	RT	SELL	ECONOMIC	06/27/2023	Hourly	FP	50	MEAD230	35
296513	DA	SELL	ECONOMIC	06/27/2023	Hourly	FP	550	MEAD230	14.48
293875	Term	BUY	ECONOMIC	06/27/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/27/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/27/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/27/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/27/2023	7x16H	FP	400	MCCULLOUG500	140
294933	Term	BUY	ECONOMIC	06/27/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/27/2023	7x16H	FP	800	MEAD230	112.23
296527	RT	SELL	ECONOMIC	06/28/2023	Hourly	FP	400	NAVAJO500	63
296528	RT	SELL	ECONOMIC	06/28/2023	Hourly	FP	300	M345	31
274046	Term	BUY	ECONOMIC	06/28/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/28/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/28/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/28/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/28/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/28/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/28/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/28/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/28/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/28/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/28/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/28/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/28/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/28/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/28/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/28/2023	7x16H	FP	400	MEAD230	130
293873	Term	BUY	ECONOMIC	06/28/2023	7x 1-6, 15-24	FP	1600	MEAD230	127.6
293880	Term	BUY	ECONOMIC	06/28/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/28/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/28/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/28/2023	7x 1-6, 15-24	FP	800	MEAD230	127.6

295555	Term	BUY	ECONOMIC	06/28/2023	7x 1-6, 15-24	FP	800	MEAD230	127.6
296133	Term	BUY	ECONOMIC	06/28/2023	7x16H	FP	800	PALOVERDE500	71.33
296523	DA	SELL	ECONOMIC	06/28/2023	Hourly	FP	200	MEAD230	22.2
293875	Term	BUY	ECONOMIC	06/28/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/28/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/28/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/28/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/28/2023	7x16H	FP	400	MCCULLOUG500	140
294933	Term	BUY	ECONOMIC	06/28/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/28/2023	7x16H	FP	800	MEAD230	112.23
296535	LD	BUY	ECONOMIC	06/28/2023	7x16H	FP	-24	MCCULLOUG500	155
296545	RT	SELL	ECONOMIC	06/29/2023	Hourly	FP	34	MEAD230	80
296547	LD	BUY	ECONOMIC	06/29/2023	7x16H	FP	-59	MCCULLOUG500	155
296537	RT	SELL	ECONOMIC	06/29/2023	Hourly	FP	300	HILLTOP345	54
296542	RT	SELL	ECONOMIC	06/29/2023	Hourly	FP	200	HILLTOP345	80
274046	Term	BUY	ECONOMIC	06/29/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/29/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19
282861	Term	BUY	ECONOMIC	06/29/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/29/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/29/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/29/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/29/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/29/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/29/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/29/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/29/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/29/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/29/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/29/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/29/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/29/2023	7x16H	FP	400	MEAD230	130
293873	Term	BUY	ECONOMIC	06/29/2023	7x 1-6, 15-24	FP	1600	MEAD230	137.74
293880	Term	BUY	ECONOMIC	06/29/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/29/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/29/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/29/2023	7x 1-6, 15-24	FP	800	MEAD230	137.74
295555	Term	BUY	ECONOMIC	06/29/2023	7x 1-6, 15-24	FP	800	MEAD230	137.74
296133	Term	BUY	ECONOMIC	06/29/2023	7x16H	FP	800	PALOVERDE500	85
296533	DA	SELL	ECONOMIC	06/29/2023	Hourly	FP	200	MEAD230	27.99
293875	Term	BUY	ECONOMIC	06/29/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/29/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/29/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/29/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/29/2023	7x16H	FP	400	MCCULLOUG500	140
294933	Term	BUY	ECONOMIC	06/29/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/29/2023	7x16H	FP	800	MEAD230	112.23
274046	Term	BUY	ECONOMIC	06/30/2023	Hourly	FP	120	MEAD230	41.99
282860	Term	BUY	ECONOMIC	06/30/2023	6x8 (Superpeak)	FP	800	MEAD230	141.19

282861	Term	BUY	ECONOMIC	06/30/2023	6x8 (Superpeak)	FP	400	MEAD230	142.25
283775	Term	BUY	ECONOMIC	06/30/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	06/30/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284621	Term	BUY	ECONOMIC	06/30/2023	7x16H	FP	800	MEAD230	115.5
284624	Term	BUY	ECONOMIC	06/30/2023	7x16H	FP	400	MEAD230	89
284625	Term	BUY	ECONOMIC	06/30/2023	7x16H	FP	400	MEAD230	92
284626	Term	BUY	ECONOMIC	06/30/2023	7x16H	FP	800	MEAD230	97
284630	Term	BUY	ECONOMIC	06/30/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	06/30/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	06/30/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	06/30/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	06/30/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	06/30/2023	7x16H	FP	800	MEAD230	222
284639	Term	BUY	ECONOMIC	06/30/2023	7x16H	FP	400	MEAD230	130
293873	Term	BUY	ECONOMIC	06/30/2023	7x 1-6, 15-24	FP	1600	MEAD230	146.14
293880	Term	BUY	ECONOMIC	06/30/2023	7x8 (15-22)	FP	200	MCCULLOUG230	175
294924	Term	BUY	ECONOMIC	06/30/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294925	Term	BUY	ECONOMIC	06/30/2023	7x16H	FP	800	PALOVERDE500	145
294932	Term	BUY	ECONOMIC	06/30/2023	7x 1-6, 15-24	FP	800	MEAD230	146.14
295555	Term	BUY	ECONOMIC	06/30/2023	7x 1-6, 15-24	FP	800	MEAD230	146.14
296133	Term	BUY	ECONOMIC	06/30/2023	7x16H	FP	800	PALOVERDE500	85
296548	RT	SELL	ECONOMIC	06/30/2023	Hourly	FP	60	M345	37
296551	RT	SELL	ECONOMIC	06/30/2023	Hourly	FP	300	M345	45
296557	RT	SELL	ECONOMIC	06/30/2023	Hourly	FP	50	NAVAJO500	70
296558	RT	SELL	ECONOMIC	06/30/2023	Hourly	FP	25	HILLTOP345	65
293875	Term	BUY	ECONOMIC	06/30/2023	7x16H	FP	3200	MEAD230	258.4
294392	Term	BUY	ECONOMIC	06/30/2023	7x8 (15-22)	FP	400	MCCULLOUG500	134.65
294393	Term	BUY	ECONOMIC	06/30/2023	7x8 (15-22)	FP	400	PALOVERDE500	134.65
294928	Term	BUY	ECONOMIC	06/30/2023	7x16H	FP	400	MCCULLOUG500	155
294929	Term	BUY	ECONOMIC	06/30/2023	7x16H	FP	400	MCCULLOUG500	140
294933	Term	BUY	ECONOMIC	06/30/2023	7x16H	FP	400	MEAD230	130.5
294936	Term	BUY	ECONOMIC	06/30/2023	7x16H	FP	800	MEAD230	112.23
296561	LD	BUY	ECONOMIC	06/30/2023	7x16H	FP	-7	MCCULLOUG500	140
274046	Term	BUY	ECONOMIC	07/01/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/01/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	07/01/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/01/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/01/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/01/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/01/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/01/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/01/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/01/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/01/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/01/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/01/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/01/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/01/2023	7x16H	FP	800	MEAD230	222

293865	Term	BUY	ECONOMIC	07/01/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/01/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/01/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/01/2023	7x 1-6, 15-24	FP	1600	MEAD230	136.93
294924	Term	BUY	ECONOMIC	07/01/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/01/2023	7x 1-6, 15-24	FP	800	MEAD230	136.93
295556	Term	BUY	ECONOMIC	07/01/2023	7x 1-6, 15-24	FP	1600	MEAD230	136.93
293875	Term	BUY	ECONOMIC	07/01/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/01/2023	Heavy Load	FP	400	PALOVERDE500	105.95
294394	Term	BUY	ECONOMIC	07/01/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53
294395	Term	BUY	ECONOMIC	07/01/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/01/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/01/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/01/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/01/2023	Heavy Load	FP	800	REDB	112.46
294937	Term	BUY	ECONOMIC	07/01/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/01/2023	7x16H	FP	800	MCCULLOUG500	295
296562	LD	BUY	ECONOMIC	07/01/2023	7x16H	FP	-23	MCCULLOUG500	155
274046	Term	BUY	ECONOMIC	07/02/2023	Hourly	FP	120	MEAD230	41.99
283775	Term	BUY	ECONOMIC	07/02/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/02/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/02/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/02/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/02/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/02/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/02/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/02/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/02/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/02/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/02/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/02/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/02/2023	7x16H	FP	800	MEAD230	222
293865	Term	BUY	ECONOMIC	07/02/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/02/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/02/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/02/2023	7x 1-6, 15-24	FP	1600	MEAD230	139.35
294924	Term	BUY	ECONOMIC	07/02/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/02/2023	7x 1-6, 15-24	FP	800	MEAD230	139.35
295556	Term	BUY	ECONOMIC	07/02/2023	7x 1-6, 15-24	FP	1600	MEAD230	139.35
296563	RT	SELL	ECONOMIC	07/02/2023	Hourly	FP	125	MEAD230	50
293875	Term	BUY	ECONOMIC	07/02/2023	7x16H	FP	3200	MEAD230	258.4
294394	Term	BUY	ECONOMIC	07/02/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53
294395	Term	BUY	ECONOMIC	07/02/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/02/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/02/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/02/2023	7x16H	FP	400	MEAD230	297
294937	Term	BUY	ECONOMIC	07/02/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/02/2023	7x16H	FP	800	MCCULLOUG500	295

296567	RT	SELL	ECONOMIC	07/03/2023	Hourly	FP	80	MEAD230	74
296569	RT	SELL	ECONOMIC	07/03/2023	Hourly	FP	200	MEAD230	112
274046	Term	BUY	ECONOMIC	07/03/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/03/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	07/03/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/03/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/03/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/03/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/03/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/03/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/03/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/03/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/03/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/03/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/03/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/03/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/03/2023	7x16H	FP	800	MEAD230	222
293865	Term	BUY	ECONOMIC	07/03/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/03/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/03/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/03/2023	7x 1-6, 15-24	FP	1600	MEAD230	143.16
294924	Term	BUY	ECONOMIC	07/03/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/03/2023	7x 1-6, 15-24	FP	800	MEAD230	143.16
295556	Term	BUY	ECONOMIC	07/03/2023	7x 1-6, 15-24	FP	1600	MEAD230	143.16
293875	Term	BUY	ECONOMIC	07/03/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/03/2023	Heavy Load	FP	400	PALOVERDE500	127.55
294394	Term	BUY	ECONOMIC	07/03/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53
294395	Term	BUY	ECONOMIC	07/03/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/03/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/03/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/03/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/03/2023	Heavy Load	FP	800	REDB	134.06
294937	Term	BUY	ECONOMIC	07/03/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/03/2023	7x16H	FP	800	MCCULLOUG500	295
274046	Term	BUY	ECONOMIC	07/04/2023	Hourly	FP	120	MEAD230	41.99
283775	Term	BUY	ECONOMIC	07/04/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/04/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/04/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/04/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/04/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/04/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/04/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/04/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/04/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/04/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/04/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/04/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/04/2023	7x16H	FP	800	MEAD230	222

293865	Term	BUY	ECONOMIC	07/04/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/04/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/04/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/04/2023	7x 1-6, 15-24	FP	1600	MEAD230	132.04
294924	Term	BUY	ECONOMIC	07/04/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/04/2023	7x 1-6, 15-24	FP	800	MEAD230	132.04
295556	Term	BUY	ECONOMIC	07/04/2023	7x 1-6, 15-24	FP	1600	MEAD230	132.04
296574	LD	BUY	ECONOMIC	07/04/2023	7x16H	FP	-2	MEAD230	298
293875	Term	BUY	ECONOMIC	07/04/2023	7x16H	FP	3200	MEAD230	258.4
294394	Term	BUY	ECONOMIC	07/04/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53
294395	Term	BUY	ECONOMIC	07/04/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/04/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/04/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/04/2023	7x16H	FP	400	MEAD230	297
294937	Term	BUY	ECONOMIC	07/04/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/04/2023	7x16H	FP	800	MCCULLOUG500	295
296573	LD	BUY	ECONOMIC	07/04/2023	7x16H	FP	-4	MCCULLOUG500	155
296575	RT	SELL	ECONOMIC	07/05/2023	Hourly	FP	150	M345	40
274046	Term	BUY	ECONOMIC	07/05/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/05/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	07/05/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/05/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/05/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/05/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/05/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/05/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/05/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/05/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/05/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/05/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/05/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/05/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/05/2023	7x16H	FP	800	MEAD230	222
293865	Term	BUY	ECONOMIC	07/05/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/05/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/05/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/05/2023	7x 1-6, 15-24	FP	1600	MEAD230	133.68
294924	Term	BUY	ECONOMIC	07/05/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/05/2023	7x 1-6, 15-24	FP	800	MEAD230	133.68
295556	Term	BUY	ECONOMIC	07/05/2023	7x 1-6, 15-24	FP	1600	MEAD230	133.68
296580	LD	BUY	ECONOMIC	07/05/2023	7x 1-6, 15-24	FP	-29	MEAD230	285
293875	Term	BUY	ECONOMIC	07/05/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/05/2023	Heavy Load	FP	400	PALOVERDE500	99.01
294394	Term	BUY	ECONOMIC	07/05/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53
294395	Term	BUY	ECONOMIC	07/05/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/05/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/05/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/05/2023	7x16H	FP	400	MEAD230	297

294935	Term	BUY	ECONOMIC	07/05/2023	Heavy Load	FP	800	REDB	107.14
294937	Term	BUY	ECONOMIC	07/05/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/05/2023	7x16H	FP	800	MCCULLOUG500	295
296581	LD	BUY	ECONOMIC	07/05/2023	7x16H	FP	-4	MCCULLOUG500	155
296585	RT	SELL	ECONOMIC	07/06/2023	Hourly	FP	225	HILLTOP345	70
274046	Term	BUY	ECONOMIC	07/06/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/06/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	07/06/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/06/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/06/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/06/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/06/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/06/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/06/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/06/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/06/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/06/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/06/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/06/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/06/2023	7x16H	FP	800	MEAD230	222
296588	LD	BUY	ECONOMIC	07/06/2023	6x8 (Superpeak)	FP	-14	MEAD230	292.94
296592	LD	BUY	ECONOMIC	07/06/2023	7x16H	FP	-5	MEAD230	222
296593	LD	BUY	ECONOMIC	07/06/2023	7x16H	FP	-5	MEAD230	177.5
296594	LD	BUY	ECONOMIC	07/06/2023	7x16H	FP	-5	MEAD230	175
296595	LD	BUY	ECONOMIC	07/06/2023	7x16H	FP	-10	MEAD230	168
296645	LD	BUY	ECONOMIC	07/06/2023	7x16H	FP	-1	MEAD230	170.63
293865	Term	BUY	ECONOMIC	07/06/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/06/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/06/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/06/2023	7x 1-6, 15-24	FP	1600	MEAD230	129.5
294924	Term	BUY	ECONOMIC	07/06/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/06/2023	7x 1-6, 15-24	FP	800	MEAD230	129.5
295556	Term	BUY	ECONOMIC	07/06/2023	7x 1-6, 15-24	FP	1600	MEAD230	129.5
296589	LD	BUY	ECONOMIC	07/06/2023	7x 1-6, 15-24	FP	-21	MEAD230	126.69
293875	Term	BUY	ECONOMIC	07/06/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/06/2023	Heavy Load	FP	400	PALOVERDE500	84.04
294394	Term	BUY	ECONOMIC	07/06/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53
294395	Term	BUY	ECONOMIC	07/06/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/06/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/06/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/06/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/06/2023	Heavy Load	FP	800	REDB	91.98
294937	Term	BUY	ECONOMIC	07/06/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/06/2023	7x16H	FP	800	MCCULLOUG500	295
296587	LD	BUY	ECONOMIC	07/06/2023	7x16H	FP	-10	MCCULLOUG500	155
296591	LD	BUY	ECONOMIC	07/06/2023	7x16H	FP	-11	MEAD230	258.4
274046	Term	BUY	ECONOMIC	07/07/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/07/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94

283775	Term	BUY	ECONOMIC	07/07/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/07/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/07/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/07/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/07/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/07/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/07/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/07/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/07/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/07/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/07/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/07/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/07/2023	7x16H	FP	800	MEAD230	222
296601	LD	BUY	ECONOMIC	07/07/2023	7x16H	FP	-27	MEAD230	175
296602	LD	BUY	ECONOMIC	07/07/2023	7x16H	FP	-4	MEAD230	177.5
296604	LD	BUY	ECONOMIC	07/07/2023	6x8 (Superpeak)	FP	-12	MEAD230	292.94
296606	LD	BUY	ECONOMIC	07/07/2023	7x16H	FP	-8	MEAD230	168
296608	LD	BUY	ECONOMIC	07/07/2023	7x16H	FP	-4	MEAD230	222
296644	LD	BUY	ECONOMIC	07/07/2023	7x16H	FP	-2	MEAD230	170.63
293865	Term	BUY	ECONOMIC	07/07/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/07/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/07/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/07/2023	7x 1-6, 15-24	FP	1600	MEAD230	126.97
294924	Term	BUY	ECONOMIC	07/07/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/07/2023	7x 1-6, 15-24	FP	800	MEAD230	126.97
295556	Term	BUY	ECONOMIC	07/07/2023	7x 1-6, 15-24	FP	1600	MEAD230	126.97
296605	LD	BUY	ECONOMIC	07/07/2023	7x 1-6, 15-24	FP	-21	MEAD230	120.26
296609	LD	BUY	ECONOMIC	07/07/2023	7x16H	FP	-18	MEAD230	298
296596	RT	SELL	ECONOMIC	07/07/2023	Hourly	FP	200	M345	15
296597	RT	SELL	ECONOMIC	07/07/2023	Hourly	FP	100	MEAD230	40
293875	Term	BUY	ECONOMIC	07/07/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/07/2023	Heavy Load	FP	400	PALOVERDE500	73.81
294394	Term	BUY	ECONOMIC	07/07/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	298.53
294395	Term	BUY	ECONOMIC	07/07/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/07/2023	7x16H	FP	400	MCCULLOUGH500	155
294931	Term	BUY	ECONOMIC	07/07/2023	7x16H	FP	1600	MCCULLOUGH500	295
294934	Term	BUY	ECONOMIC	07/07/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/07/2023	Heavy Load	FP	800	REDB	81.4
294937	Term	BUY	ECONOMIC	07/07/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/07/2023	7x16H	FP	800	MCCULLOUGH500	295
296607	LD	BUY	ECONOMIC	07/07/2023	7x16H	FP	-13	MEAD230	258.4
296610	LD	BUY	ECONOMIC	07/07/2023	7x16H	FP	-17	MCCULLOUGH500	155
274046	Term	BUY	ECONOMIC	07/08/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/08/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	07/08/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/08/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/08/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/08/2023	7x16H	FP	800	MEAD230	225.45

284627	Term	BUY	ECONOMIC	07/08/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/08/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/08/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/08/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/08/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/08/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/08/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/08/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/08/2023	7x16H	FP	800	MEAD230	222
293865	Term	BUY	ECONOMIC	07/08/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/08/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/08/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/08/2023	7x 1-6, 15-24	FP	1600	MEAD230	121.81
294924	Term	BUY	ECONOMIC	07/08/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/08/2023	7x 1-6, 15-24	FP	800	MEAD230	121.81
295556	Term	BUY	ECONOMIC	07/08/2023	7x 1-6, 15-24	FP	1600	MEAD230	121.81
296623	LD	BUY	ECONOMIC	07/08/2023	7x16H	FP	-89	MEAD230	298
296600	DA	SELL	ECONOMIC	07/08/2023	Hourly	FP	300	MEAD230	15.46
296611	RT	SELL	ECONOMIC	07/08/2023	Hourly	FP	125	NAVAJO500	40
296616	RT	SELL	ECONOMIC	07/08/2023	Hourly	FP	45	NAVAJO500	35
296617	RT	SELL	ECONOMIC	07/08/2023	Hourly	FP	470	NAVAJO500	70
293875	Term	BUY	ECONOMIC	07/08/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/08/2023	Heavy Load	FP	400	PALOVERDE500	73.81
294394	Term	BUY	ECONOMIC	07/08/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53
294395	Term	BUY	ECONOMIC	07/08/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/08/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/08/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/08/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/08/2023	Heavy Load	FP	800	REDB	81.4
294937	Term	BUY	ECONOMIC	07/08/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/08/2023	7x16H	FP	800	MCCULLOUG500	295
296622	LD	BUY	ECONOMIC	07/08/2023	7x16H	FP	-12	MCCULLOUG500	155
296624	RT	SELL	ECONOMIC	07/08/2023	Hourly	FP	20	MEAD230	55
296625	RT	SELL	ECONOMIC	07/08/2023	Hourly	FP	75	NAVAJO500	50
274046	Term	BUY	ECONOMIC	07/09/2023	Hourly	FP	120	MEAD230	41.99
283775	Term	BUY	ECONOMIC	07/09/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/09/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/09/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/09/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/09/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/09/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/09/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/09/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/09/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/09/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/09/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/09/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/09/2023	7x16H	FP	800	MEAD230	222

293865	Term	BUY	ECONOMIC	07/09/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/09/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/09/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/09/2023	7x 1-6, 15-24	FP	1600	MEAD230	122.55
294924	Term	BUY	ECONOMIC	07/09/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/09/2023	7x 1-6, 15-24	FP	800	MEAD230	122.55
295556	Term	BUY	ECONOMIC	07/09/2023	7x 1-6, 15-24	FP	1600	MEAD230	122.55
296637	LD	BUY	ECONOMIC	07/09/2023	7x16H	FP	-97	MEAD230	298
293875	Term	BUY	ECONOMIC	07/09/2023	7x16H	FP	3200	MEAD230	258.4
294394	Term	BUY	ECONOMIC	07/09/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53
294395	Term	BUY	ECONOMIC	07/09/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/09/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/09/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/09/2023	7x16H	FP	400	MEAD230	297
294937	Term	BUY	ECONOMIC	07/09/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/09/2023	7x16H	FP	800	MCCULLOUG500	295
296640	LD	BUY	ECONOMIC	07/09/2023	7x16H	FP	-56	MCCULLOUG500	155
296631	RT	SELL	RELIABILITY	07/09/2023	Hourly	FP	90	NAVAJO500	8
296632	RT	SELL	RELIABILITY	07/09/2023	Hourly	FP	200	MEAD230	35
296633	RT	SELL	RELIABILITY	07/09/2023	Hourly	FP	60	M345	2
296638	RT	SELL	ECONOMIC	07/09/2023	Hourly	FP	50	NAVAJO500	53
274046	Term	BUY	ECONOMIC	07/10/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/10/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	07/10/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/10/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/10/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/10/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/10/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/10/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/10/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/10/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/10/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/10/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/10/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/10/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/10/2023	7x16H	FP	800	MEAD230	222
293865	Term	BUY	ECONOMIC	07/10/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/10/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/10/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/10/2023	7x 1-6, 15-24	FP	1600	MEAD230	133.72
294924	Term	BUY	ECONOMIC	07/10/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/10/2023	7x 1-6, 15-24	FP	800	MEAD230	133.72
295556	Term	BUY	ECONOMIC	07/10/2023	7x 1-6, 15-24	FP	1600	MEAD230	133.72
296646	RT	SELL	ECONOMIC	07/10/2023	Hourly	FP	80	NAVAJO500	36
296650	RT	SELL	ECONOMIC	07/10/2023	Hourly	FP	45	NAVAJO500	55
296653	RT	SELL	ECONOMIC	07/10/2023	Hourly	FP	5	MEAD230	55
296654	RT	SELL	ECONOMIC	07/10/2023	Hourly	FP	5	MEAD230	65
293875	Term	BUY	ECONOMIC	07/10/2023	7x16H	FP	3200	MEAD230	258.4

293876	Term	BUY	ECONOMIC	07/10/2023	Heavy Load	FP	400	PALOVERDE500	86.19
294394	Term	BUY	ECONOMIC	07/10/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	298.53
294395	Term	BUY	ECONOMIC	07/10/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/10/2023	7x16H	FP	400	MCCULLOUGH500	155
294931	Term	BUY	ECONOMIC	07/10/2023	7x16H	FP	1600	MCCULLOUGH500	295
294934	Term	BUY	ECONOMIC	07/10/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/10/2023	Heavy Load	FP	800	REDB	92.12
294937	Term	BUY	ECONOMIC	07/10/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/10/2023	7x16H	FP	800	MCCULLOUGH500	295
296661	LD	BUY	ECONOMIC	07/10/2023	7x16H	FP	-7	MCCULLOUGH500	155
296641	RT	SELL	ECONOMIC	07/10/2023	Hourly	FP	300	MEAD230	50
296657	RT	SELL	ECONOMIC	07/10/2023	Hourly	FP	100	MEAD230	65
296658	RT	SELL	ECONOMIC	07/10/2023	Hourly	FP	100	MEAD230	65
274046	Term	BUY	ECONOMIC	07/11/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/11/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	07/11/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/11/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/11/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/11/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/11/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/11/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/11/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/11/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/11/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/11/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/11/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/11/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/11/2023	7x16H	FP	800	MEAD230	222
296664	LD	BUY	ECONOMIC	07/11/2023	7x16H	FP	-25	MEAD230	177.5
296665	LD	BUY	ECONOMIC	07/11/2023	7x16H	FP	-20	MEAD230	168
293865	Term	BUY	ECONOMIC	07/11/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/11/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/11/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/11/2023	7x 1-6, 15-24	FP	1600	MEAD230	139.6
294924	Term	BUY	ECONOMIC	07/11/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/11/2023	7x 1-6, 15-24	FP	800	MEAD230	139.6
295556	Term	BUY	ECONOMIC	07/11/2023	7x 1-6, 15-24	FP	1600	MEAD230	139.6
296666	LD	BUY	ECONOMIC	07/11/2023	7x 1-6, 15-24	FP	-100	MEAD230	285
293875	Term	BUY	ECONOMIC	07/11/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/11/2023	Heavy Load	FP	400	PALOVERDE500	102.25
294394	Term	BUY	ECONOMIC	07/11/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	298.53
294395	Term	BUY	ECONOMIC	07/11/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/11/2023	7x16H	FP	400	MCCULLOUGH500	155
294931	Term	BUY	ECONOMIC	07/11/2023	7x16H	FP	1600	MCCULLOUGH500	295
294934	Term	BUY	ECONOMIC	07/11/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/11/2023	Heavy Load	FP	800	REDB	109.87
294937	Term	BUY	ECONOMIC	07/11/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/11/2023	7x16H	FP	800	MCCULLOUGH500	295

274046	Term	BUY	ECONOMIC	07/12/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/12/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	07/12/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/12/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/12/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/12/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/12/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/12/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/12/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/12/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/12/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/12/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/12/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/12/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/12/2023	7x16H	FP	800	MEAD230	222
293865	Term	BUY	ECONOMIC	07/12/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/12/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/12/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/12/2023	7x 1-6, 15-24	FP	1600	MEAD230	142.05
294924	Term	BUY	ECONOMIC	07/12/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/12/2023	7x 1-6, 15-24	FP	800	MEAD230	142.05
295556	Term	BUY	ECONOMIC	07/12/2023	7x 1-6, 15-24	FP	1600	MEAD230	142.05
296670	RT	SELL	ECONOMIC	07/12/2023	Hourly	FP	200	NAVAJO500	43
293875	Term	BUY	ECONOMIC	07/12/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/12/2023	Heavy Load	FP	400	PALOVERDE500	103.93
294394	Term	BUY	ECONOMIC	07/12/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53
294395	Term	BUY	ECONOMIC	07/12/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/12/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/12/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/12/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/12/2023	Heavy Load	FP	800	REDB	110.24
294937	Term	BUY	ECONOMIC	07/12/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/12/2023	7x16H	FP	800	MCCULLOUG500	295
296667	LD	BUY	ECONOMIC	07/12/2023	Heavy Load	FP	-50	REDB	110.24
296674	LD	BUY	ECONOMIC	07/12/2023	7x16H	FP	-1	MCCULLOUG500	155
274046	Term	BUY	ECONOMIC	07/13/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/13/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	07/13/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/13/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/13/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/13/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/13/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/13/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/13/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/13/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/13/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/13/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/13/2023	7x16H	FP	400	MEAD230	177.5

284634	Term	BUY	ECONOMIC	07/13/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/13/2023	7x16H	FP	800	MEAD230	222
293865	Term	BUY	ECONOMIC	07/13/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/13/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/13/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/13/2023	7x 1-6, 15-24	FP	1600	MEAD230	142.87
294924	Term	BUY	ECONOMIC	07/13/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/13/2023	7x 1-6, 15-24	FP	800	MEAD230	142.87
295556	Term	BUY	ECONOMIC	07/13/2023	7x 1-6, 15-24	FP	1600	MEAD230	142.87
296675	RT	SELL	ECONOMIC	07/13/2023	Hourly	FP	50	MEAD230	40
296679	RT	SELL	ECONOMIC	07/13/2023	Hourly	FP	100	MEAD230	50
296686	RT	SELL	ECONOMIC	07/13/2023	Hourly	FP	79	MEAD230	60
293875	Term	BUY	ECONOMIC	07/13/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/13/2023	Heavy Load	FP	400	PALOVERDE500	104.77
294394	Term	BUY	ECONOMIC	07/13/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53
294395	Term	BUY	ECONOMIC	07/13/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/13/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/13/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/13/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/13/2023	Heavy Load	FP	800	REDB	112.82
294937	Term	BUY	ECONOMIC	07/13/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/13/2023	7x16H	FP	800	MCCULLOUG500	295
296690	LD	BUY	ECONOMIC	07/13/2023	7x16H	FP	-37	MCCULLOUG500	155
274046	Term	BUY	ECONOMIC	07/14/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/14/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	07/14/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/14/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/14/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/14/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/14/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/14/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/14/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/14/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/14/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/14/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/14/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/14/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/14/2023	7x16H	FP	800	MEAD230	222
293865	Term	BUY	ECONOMIC	07/14/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/14/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/14/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/14/2023	7x 1-6, 15-24	FP	1600	MEAD230	167.82
294924	Term	BUY	ECONOMIC	07/14/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/14/2023	7x 1-6, 15-24	FP	800	MEAD230	167.82
295556	Term	BUY	ECONOMIC	07/14/2023	7x 1-6, 15-24	FP	1600	MEAD230	167.82
296687	DA	BUY	ECONOMIC	07/14/2023	Hourly	FP	425	ELDORADO230	95.62
296688	DA	BUY	ECONOMIC	07/14/2023	Hourly	FP	425	MCCULLOUG500	95.62
296689	DA	BUY	ECONOMIC	07/14/2023	Hourly	FP	550	MEAD230	96.5

296715	LD	BUY	ECONOMIC	07/14/2023	7x16H	FP	-50	MEAD230	298
296694	RT	SELL	ECONOMIC	07/14/2023	Hourly	FP	100	MEAD230	35
296695	RT	SELL	ECONOMIC	07/14/2023	Hourly	FP	100	M345	35
296696	RT	SELL	ECONOMIC	07/14/2023	Hourly	FP	100	M345	35
296697	RT	SELL	ECONOMIC	07/14/2023	Hourly	FP	65	NAVAJO500	36
293875	Term	BUY	ECONOMIC	07/14/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/14/2023	Heavy Load	FP	400	PALOVERDE500	122.32
294394	Term	BUY	ECONOMIC	07/14/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53
294395	Term	BUY	ECONOMIC	07/14/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/14/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/14/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/14/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/14/2023	Heavy Load	FP	800	REDB	128.93
294937	Term	BUY	ECONOMIC	07/14/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/14/2023	7x16H	FP	800	MCCULLOUG500	295
296720	LD	BUY	ECONOMIC	07/14/2023	7x16H	FP	-28	MCCULLOUG500	155
296707	RT	SELL	ECONOMIC	07/14/2023	Hourly	FP	77	MEAD230	50
296708	RT	SELL	ECONOMIC	07/14/2023	Hourly	FP	318	MEAD230	50
296711	RT	SELL	ECONOMIC	07/14/2023	Hourly	FP	25	NAVAJO500	62
274046	Term	BUY	ECONOMIC	07/15/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/15/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	07/15/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/15/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/15/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/15/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/15/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/15/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/15/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/15/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/15/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/15/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/15/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/15/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/15/2023	7x16H	FP	800	MEAD230	222
293865	Term	BUY	ECONOMIC	07/15/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/15/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/15/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/15/2023	7x 1-6, 15-24	FP	1600	MEAD230	171.72
294924	Term	BUY	ECONOMIC	07/15/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/15/2023	7x 1-6, 15-24	FP	800	MEAD230	171.72
295556	Term	BUY	ECONOMIC	07/15/2023	7x 1-6, 15-24	FP	1600	MEAD230	171.72
296712	DA	BUY	ECONOMIC	07/15/2023	Hourly	FP	750	ELDORADO230	117.23
296713	DA	BUY	ECONOMIC	07/15/2023	Hourly	FP	750	MCCULLOUG500	117.23
296714	DA	BUY	ECONOMIC	07/15/2023	Hourly	FP	800	MEAD230	114.2
296737	LD	BUY	ECONOMIC	07/15/2023	7x16H	FP	-2	MEAD230	298
293875	Term	BUY	ECONOMIC	07/15/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/15/2023	Heavy Load	FP	400	PALOVERDE500	122.32
294394	Term	BUY	ECONOMIC	07/15/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53

294395	Term	BUY	ECONOMIC	07/15/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/15/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/15/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/15/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/15/2023	Heavy Load	FP	800	REDB	128.93
294937	Term	BUY	ECONOMIC	07/15/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/15/2023	7x16H	FP	800	MCCULLOUG500	295
296736	LD	BUY	ECONOMIC	07/15/2023	7x16H	FP	-23	MCCULLOUG500	155
296724	RT	SELL	ECONOMIC	07/15/2023	Hourly	FP	56	M345	40
296729	RT	SELL	ECONOMIC	07/15/2023	Hourly	FP	26	MEAD230	60
296730	RT	SELL	ECONOMIC	07/15/2023	Hourly	FP	75	HILLTOP345	75
296731	RT	SELL	ECONOMIC	07/15/2023	Hourly	FP	75	HILLTOP345	75
296738	RT	SELL	ECONOMIC	07/16/2023	Hourly	FP	60	NAVAJO500	37
296739	RT	SELL	ECONOMIC	07/16/2023	Hourly	FP	100	MEAD230	15
296740	RT	SELL	ECONOMIC	07/16/2023	Hourly	FP	80	MEAD230	15
296741	RT	SELL	ECONOMIC	07/16/2023	Hourly	FP	70	MEAD230	15
296777	RT	BUY	ECONOMIC	07/16/2023	Hourly	FP	100	MEAD230	130
296779	RT	BUY	ECONOMIC	07/16/2023	Hourly	FP	250	MEAD230	110
274046	Term	BUY	ECONOMIC	07/16/2023	Hourly	FP	120	MEAD230	41.99
283775	Term	BUY	ECONOMIC	07/16/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/16/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/16/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/16/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/16/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/16/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/16/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/16/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/16/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/16/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/16/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/16/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/16/2023	7x16H	FP	800	MEAD230	222
293865	Term	BUY	ECONOMIC	07/16/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/16/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/16/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/16/2023	7x 1-6, 15-24	FP	1600	MEAD230	176.49
294924	Term	BUY	ECONOMIC	07/16/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/16/2023	7x 1-6, 15-24	FP	800	MEAD230	176.49
295556	Term	BUY	ECONOMIC	07/16/2023	7x 1-6, 15-24	FP	1600	MEAD230	176.49
296721	DA	BUY	ECONOMIC	07/16/2023	Hourly	FP	775	ELDORADO230	130.27
296722	DA	BUY	ECONOMIC	07/16/2023	Hourly	FP	775	MCCULLOUG500	132.03
296723	DA	BUY	ECONOMIC	07/16/2023	Hourly	FP	750	MEAD230	131.79
293875	Term	BUY	ECONOMIC	07/16/2023	7x16H	FP	3200	MEAD230	258.4
294394	Term	BUY	ECONOMIC	07/16/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53
294395	Term	BUY	ECONOMIC	07/16/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/16/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/16/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/16/2023	7x16H	FP	400	MEAD230	297

294937	Term	BUY	ECONOMIC	07/16/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/16/2023	7x16H	FP	800	MCCULLOUG500	295
296753	LD	BUY	ECONOMIC	07/16/2023	7x16H	FP	-126	MCCULLOUG500	155
296782	LD	BUY	ECONOMIC	07/16/2023	7x16H	FP	-27	MCCULLOUG500	155
296750	RT	BUY	ECONOMIC	07/16/2023	Hourly	FP	494	MCCULLOUG500	335
296751	RT	BUY	ECONOMIC	07/16/2023	Hourly	FP	284	MEAD230	335
296752	RT	BUY	ECONOMIC	07/16/2023	Hourly	FP	500	MEAD230	300
296758	RT	BUY	ECONOMIC	07/16/2023	Hourly	FP	800	MEAD230	600
296762	RT	BUY	ECONOMIC	07/16/2023	Hourly	FP	358	MEAD230	225
296763	RT	BUY	ECONOMIC	07/16/2023	Hourly	FP	661	M345	225
296770	RT	BUY	ECONOMIC	07/16/2023	Hourly	FP	200	MEAD230	320
274046	Term	BUY	ECONOMIC	07/17/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/17/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	07/17/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/17/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/17/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/17/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/17/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/17/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/17/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/17/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/17/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/17/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/17/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/17/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/17/2023	7x16H	FP	800	MEAD230	222
293865	Term	BUY	ECONOMIC	07/17/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/17/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/17/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/17/2023	7x 1-6, 15-24	FP	1600	MEAD230	185.02
294924	Term	BUY	ECONOMIC	07/17/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/17/2023	7x 1-6, 15-24	FP	800	MEAD230	185.02
295556	Term	BUY	ECONOMIC	07/17/2023	7x 1-6, 15-24	FP	1600	MEAD230	185.02
296759	DA	BUY	ECONOMIC	07/17/2023	Hourly	FP	1225	ELDORADO230	150.4
296760	DA	BUY	ECONOMIC	07/17/2023	Hourly	FP	625	MCCULLOUG500	150.41
296761	DA	BUY	ECONOMIC	07/17/2023	Hourly	FP	1250	MEAD230	148.66
296783	RT	BUY	ECONOMIC	07/17/2023	Hourly	FP	1060	MEAD230	73.99
296787	RT	BUY	ECONOMIC	07/17/2023	Hourly	FP	10	MEAD230	115
296789	RT	BUY	ECONOMIC	07/17/2023	Hourly	FP	250	MEAD230	275
296791	RT	BUY	ECONOMIC	07/17/2023	Hourly	FP	200	MEAD230	275
296792	RT	BUY	ECONOMIC	07/17/2023	Hourly	FP	300	MEAD230	260
296798	RT	BUY	ECONOMIC	07/17/2023	Hourly	FP	340	MEAD230	290
296803	RT	BUY	ECONOMIC	07/17/2023	Hourly	FP	19	M345	225
296804	RT	BUY	ECONOMIC	07/17/2023	Hourly	FP	131	MEAD230	225
296807	LD	BUY	ECONOMIC	07/17/2023	Hourly	FP	-16	MEAD230	290
293875	Term	BUY	ECONOMIC	07/17/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/17/2023	Heavy Load	FP	400	PALOVERDE500	164.47
294394	Term	BUY	ECONOMIC	07/17/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53

294395	Term	BUY	ECONOMIC	07/17/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/17/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/17/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/17/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/17/2023	Heavy Load	FP	800	REDB	170.73
294937	Term	BUY	ECONOMIC	07/17/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/17/2023	7x16H	FP	800	MCCULLOUG500	295
296801	LD	BUY	ECONOMIC	07/17/2023	7x16H	FP	-17	MCCULLOUG500	295
274046	Term	BUY	ECONOMIC	07/18/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/18/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	07/18/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/18/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/18/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/18/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/18/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/18/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/18/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/18/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/18/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/18/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/18/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/18/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/18/2023	7x16H	FP	800	MEAD230	222
296820	LD	BUY	ECONOMIC	07/18/2023	7x16H	FP	-4	MEAD230	168
293865	Term	BUY	ECONOMIC	07/18/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/18/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/18/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/18/2023	7x 1-6, 15-24	FP	1600	MEAD230	249.52
294924	Term	BUY	ECONOMIC	07/18/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/18/2023	7x 1-6, 15-24	FP	800	MEAD230	249.52
295556	Term	BUY	ECONOMIC	07/18/2023	7x 1-6, 15-24	FP	1600	MEAD230	249.52
296797	DA	BUY	ECONOMIC	07/18/2023	Hourly	FP	1700	ELDORADO230	132.86
296793	DA	BUY	ECONOMIC	07/18/2023	Hourly	FP	1700	MEAD230	381.07
296794	DA	BUY	ECONOMIC	07/18/2023	Hourly	FP	300	MCCULLOUG500	130.4
293875	Term	BUY	ECONOMIC	07/18/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/18/2023	Heavy Load	FP	400	PALOVERDE500	172.71
294394	Term	BUY	ECONOMIC	07/18/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53
294395	Term	BUY	ECONOMIC	07/18/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/18/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/18/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/18/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/18/2023	Heavy Load	FP	800	REDB	182.38
294937	Term	BUY	ECONOMIC	07/18/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/18/2023	7x16H	FP	800	MCCULLOUG500	295
296815	LD	BUY	ECONOMIC	07/18/2023	7x16H	FP	-61	MCCULLOUG500	155
296818	RT	SELL	ECONOMIC	07/18/2023	Hourly	FP	40	MEAD230	120
296819	RT	SELL	ECONOMIC	07/18/2023	Hourly	FP	50	MEAD230	115
296808	DA	BUY	ECONOMIC	07/19/2023	Hourly	FP	350	ELDORADO230	119.99

296809	DA	BUY	ECONOMIC	07/19/2023	Hourly	FP	100	MCCULLOUGH500	135.38
296810	DA	BUY	ECONOMIC	07/19/2023	Hourly	FP	100	MEAD230	133.13
274046	Term	BUY	ECONOMIC	07/19/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/19/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	07/19/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/19/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/19/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/19/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/19/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/19/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/19/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/19/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/19/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/19/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/19/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/19/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/19/2023	7x16H	FP	800	MEAD230	222
296841	LD	BUY	ECONOMIC	07/19/2023	7x16H	FP	-25	MEAD230	235.45
296842	LD	BUY	ECONOMIC	07/19/2023	6x8 (Superpeak)	FP	-121	MEAD230	292.94
296845	LD	BUY	ECONOMIC	07/19/2023	7x16H	FP	-9	MEAD230	203
296846	LD	BUY	ECONOMIC	07/19/2023	Hourly	FP	-2	MEAD230	41.99
293865	Term	BUY	ECONOMIC	07/19/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/19/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/19/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/19/2023	7x 1-6, 15-24	FP	1600	MEAD230	173.23
294924	Term	BUY	ECONOMIC	07/19/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/19/2023	7x 1-6, 15-24	FP	800	MEAD230	173.23
295556	Term	BUY	ECONOMIC	07/19/2023	7x 1-6, 15-24	FP	1600	MEAD230	173.23
293875	Term	BUY	ECONOMIC	07/19/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/19/2023	Heavy Load	FP	400	PALOVERDE500	138.41
294394	Term	BUY	ECONOMIC	07/19/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	298.53
294395	Term	BUY	ECONOMIC	07/19/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/19/2023	7x16H	FP	400	MCCULLOUGH500	155
294931	Term	BUY	ECONOMIC	07/19/2023	7x16H	FP	1600	MCCULLOUGH500	295
294934	Term	BUY	ECONOMIC	07/19/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/19/2023	Heavy Load	FP	800	REDB	158.83
294937	Term	BUY	ECONOMIC	07/19/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/19/2023	7x16H	FP	800	MCCULLOUGH500	295
296840	LD	BUY	ECONOMIC	07/19/2023	7x16H	FP	-133	MCCULLOUGH500	155
296843	RT	SELL	ECONOMIC	07/19/2023	Hourly	FP	10	MEAD230	100
274046	Term	BUY	ECONOMIC	07/20/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/20/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	07/20/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/20/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/20/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/20/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/20/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/20/2023	7x16H	FP	400	MEAD230	200

284629	Term	BUY	ECONOMIC	07/20/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/20/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/20/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/20/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/20/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/20/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/20/2023	7x16H	FP	800	MEAD230	222
293865	Term	BUY	ECONOMIC	07/20/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/20/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/20/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/20/2023	7x 1-6, 15-24	FP	1600	MEAD230	179
294924	Term	BUY	ECONOMIC	07/20/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/20/2023	7x 1-6, 15-24	FP	800	MEAD230	179
295556	Term	BUY	ECONOMIC	07/20/2023	7x 1-6, 15-24	FP	1600	MEAD230	179
296835	DA	BUY	ECONOMIC	07/20/2023	Hourly	FP	350	ELDORADO230	143.16
296836	DA	BUY	ECONOMIC	07/20/2023	Hourly	FP	150	MCCULLOUG500	161.88
296837	DA	BUY	ECONOMIC	07/20/2023	Hourly	FP	100	MEAD230	152.52
296833	DA	BUY	ECONOMIC	07/20/2023	Hourly	FP	20	ELDORADO230	82.03
296834	DA	BUY	ECONOMIC	07/20/2023	Hourly	FP	20	MEAD230	71.07
293875	Term	BUY	ECONOMIC	07/20/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/20/2023	Heavy Load	FP	400	PALOVERDE500	173.03
294394	Term	BUY	ECONOMIC	07/20/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53
294395	Term	BUY	ECONOMIC	07/20/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/20/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/20/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/20/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/20/2023	Heavy Load	FP	800	REDB	195.78
294937	Term	BUY	ECONOMIC	07/20/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/20/2023	7x16H	FP	800	MCCULLOUG500	295
296866	LD	BUY	ECONOMIC	07/20/2023	7x16H	FP	-135	MCCULLOUG500	155
296881	RT	BUY	ECONOMIC	07/21/2023	Hourly	FP	249	MEAD230	200
296882	RT	BUY	ECONOMIC	07/21/2023	Hourly	FP	700	MEAD230	160
296883	RT	BUY	ECONOMIC	07/21/2023	Hourly	FP	400	MEAD230	120
296884	RT	BUY	ECONOMIC	07/21/2023	Hourly	FP	25	REDB	121.36
274046	Term	BUY	ECONOMIC	07/21/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/21/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	07/21/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/21/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/21/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/21/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/21/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/21/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/21/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/21/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/21/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/21/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/21/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/21/2023	7x16H	FP	800	MEAD230	175

284638	Term	BUY	ECONOMIC	07/21/2023	7x16H	FP	800	MEAD230	222
296874	LD	BUY	ECONOMIC	07/21/2023	7x16H	FP	-25	MEAD230	170.63
293865	Term	BUY	ECONOMIC	07/21/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/21/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/21/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/21/2023	7x 1-6, 15-24	FP	1600	MEAD230	190.97
294924	Term	BUY	ECONOMIC	07/21/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/21/2023	7x 1-6, 15-24	FP	800	MEAD230	190.97
295556	Term	BUY	ECONOMIC	07/21/2023	7x 1-6, 15-24	FP	1600	MEAD230	190.97
296860	DA	BUY	ECONOMIC	07/21/2023	Hourly	FP	235	ELDORADO230	179.9
296861	DA	BUY	ECONOMIC	07/21/2023	Hourly	FP	235	MCCULLOUG500	182.35
296862	DA	BUY	ECONOMIC	07/21/2023	Hourly	FP	230	MEAD230	179.27
296859	DA	SELL	ECONOMIC	07/21/2023	Hourly	FP	30	MEAD230	56.19
293875	Term	BUY	ECONOMIC	07/21/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/21/2023	Heavy Load	FP	400	PALOVERDE500	183.33
294394	Term	BUY	ECONOMIC	07/21/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53
294395	Term	BUY	ECONOMIC	07/21/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/21/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/21/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/21/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/21/2023	Heavy Load	FP	800	REDB	192
294937	Term	BUY	ECONOMIC	07/21/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/21/2023	7x16H	FP	800	MCCULLOUG500	295
296875	LD	BUY	ECONOMIC	07/21/2023	7x16H	FP	-10	MCCULLOUG500	155
296878	LD	BUY	ECONOMIC	07/21/2023	7x16H	FP	-150	MCCULLOUG500	295
296879	LD	BUY	ECONOMIC	07/21/2023	7x16H	FP	-314	MEAD230	258.4
296895	LD	BUY	ECONOMIC	07/21/2023	7x16H	FP	-250	MCCULLOUG500	295
296847	DA	BUY	ECONOMIC	07/22/2023	Hourly	FP	1150	ELDORADO230	146.76
296848	DA	BUY	ECONOMIC	07/22/2023	Hourly	FP	575	MCCULLOUG500	147.35
296849	DA	BUY	ECONOMIC	07/22/2023	Hourly	FP	575	MEAD230	146.28
296888	RT	BUY	ECONOMIC	07/22/2023	Hourly	FP	200	MEAD230	100
296889	RT	BUY	ECONOMIC	07/22/2023	Hourly	FP	400	MEAD230	90
296890	RT	BUY	ECONOMIC	07/22/2023	Hourly	FP	200	MEAD230	95
296891	RT	BUY	ECONOMIC	07/22/2023	Hourly	FP	400	MEAD230	83
274046	Term	BUY	ECONOMIC	07/22/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/22/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	07/22/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/22/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/22/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/22/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/22/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/22/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/22/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/22/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/22/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/22/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/22/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/22/2023	7x16H	FP	800	MEAD230	175

284638	Term	BUY	ECONOMIC	07/22/2023	7x16H	FP	800	MEAD230	222
293865	Term	BUY	ECONOMIC	07/22/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/22/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/22/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/22/2023	7x 1-6, 15-24	FP	1600	MEAD230	189.31
294924	Term	BUY	ECONOMIC	07/22/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/22/2023	7x 1-6, 15-24	FP	800	MEAD230	189.31
295556	Term	BUY	ECONOMIC	07/22/2023	7x 1-6, 15-24	FP	1600	MEAD230	189.31
293875	Term	BUY	ECONOMIC	07/22/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/22/2023	Heavy Load	FP	400	PALOVERDE500	183.33
294394	Term	BUY	ECONOMIC	07/22/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53
294395	Term	BUY	ECONOMIC	07/22/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/22/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/22/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/22/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/22/2023	Heavy Load	FP	800	REDB	192
294937	Term	BUY	ECONOMIC	07/22/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/22/2023	7x16H	FP	800	MCCULLOUG500	295
296899	LD	BUY	ECONOMIC	07/22/2023	7x16H	FP	-174	MCCULLOUG500	155
296900	LD	BUY	ECONOMIC	07/22/2023	7x16H	FP	-97	MCCULLOUG500	295
296901	RT	SELL	ECONOMIC	07/23/2023	Hourly	FP	100	MEAD230	74
296902	RT	SELL	ECONOMIC	07/23/2023	Hourly	FP	50	MEAD230	95
274046	Term	BUY	ECONOMIC	07/23/2023	Hourly	FP	120	MEAD230	41.99
283775	Term	BUY	ECONOMIC	07/23/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/23/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/23/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/23/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/23/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/23/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/23/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/23/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/23/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/23/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/23/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/23/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/23/2023	7x16H	FP	800	MEAD230	222
293865	Term	BUY	ECONOMIC	07/23/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/23/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/23/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/23/2023	7x 1-6, 15-24	FP	1600	MEAD230	188.02
294924	Term	BUY	ECONOMIC	07/23/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/23/2023	7x 1-6, 15-24	FP	800	MEAD230	188.02
295556	Term	BUY	ECONOMIC	07/23/2023	7x 1-6, 15-24	FP	1600	MEAD230	188.02
296896	DA	BUY	ECONOMIC	07/23/2023	Hourly	FP	1025	ELDORADO230	140.19
296897	DA	BUY	ECONOMIC	07/23/2023	Hourly	FP	490	MCCULLOUG500	143.34
296898	DA	BUY	ECONOMIC	07/23/2023	Hourly	FP	535	MEAD230	138.66
293875	Term	BUY	ECONOMIC	07/23/2023	7x16H	FP	3200	MEAD230	258.4
294394	Term	BUY	ECONOMIC	07/23/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53

294395	Term	BUY	ECONOMIC	07/23/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/23/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/23/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/23/2023	7x16H	FP	400	MEAD230	297
294937	Term	BUY	ECONOMIC	07/23/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/23/2023	7x16H	FP	800	MCCULLOUG500	295
296907	LD	BUY	ECONOMIC	07/23/2023	7x16H	FP	-60	MCCULLOUG500	155
274046	Term	BUY	ECONOMIC	07/24/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/24/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	07/24/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/24/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/24/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/24/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/24/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/24/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/24/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/24/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/24/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/24/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/24/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/24/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/24/2023	7x16H	FP	800	MEAD230	222
296926	LD	BUY	ECONOMIC	07/24/2023	7x16H	FP	-3	MEAD230	235.45
293865	Term	BUY	ECONOMIC	07/24/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/24/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/24/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/24/2023	7x 1-6, 15-24	FP	1600	MEAD230	195.17
294924	Term	BUY	ECONOMIC	07/24/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/24/2023	7x 1-6, 15-24	FP	800	MEAD230	195.17
295556	Term	BUY	ECONOMIC	07/24/2023	7x 1-6, 15-24	FP	1600	MEAD230	195.17
296925	LD	BUY	ECONOMIC	07/24/2023	7x16H	FP	-2	PALOVERDE500	290
293875	Term	BUY	ECONOMIC	07/24/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/24/2023	Heavy Load	FP	400	PALOVERDE500	164.35
294394	Term	BUY	ECONOMIC	07/24/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53
294395	Term	BUY	ECONOMIC	07/24/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/24/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/24/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/24/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/24/2023	Heavy Load	FP	800	REDB	175.17
294937	Term	BUY	ECONOMIC	07/24/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/24/2023	7x16H	FP	800	MCCULLOUG500	295
296922	LD	BUY	ECONOMIC	07/24/2023	7x8 (15-22)	FP	-10	MCCULLOUG500	298.53
296923	LD	BUY	ECONOMIC	07/24/2023	7x16H	FP	-15	MCCULLOUG500	295
296924	LD	BUY	ECONOMIC	07/24/2023	7x16H	FP	-29	MCCULLOUG500	155
296908	RT	SELL	ECONOMIC	07/24/2023	Hourly	FP	291	MEAD230	95
296909	RT	SELL	ECONOMIC	07/24/2023	Hourly	FP	140	NAVAJO500	80
296911	RT	SELL	ECONOMIC	07/24/2023	Hourly	FP	132	MEAD230	80
296920	DA	BUY	ECONOMIC	07/25/2023	Hourly	FP	200	ELDORADO230	100.27

296921	DA	BUY	ECONOMIC	07/25/2023	Hourly	FP	200	MEAD230	100.06
296968	LD	BUY	ECONOMIC	07/25/2023	Hourly	FP	-50	MEAD230	100.06
296969	LD	BUY	ECONOMIC	07/25/2023	Hourly	FP	-50	ELDORADO230	100.27
274046	Term	BUY	ECONOMIC	07/25/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/25/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	07/25/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/25/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/25/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/25/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/25/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/25/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/25/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/25/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/25/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/25/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/25/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/25/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/25/2023	7x16H	FP	800	MEAD230	222
296942	LD	BUY	ECONOMIC	07/25/2023	6x8 (Superpeak)	FP	-105	MEAD230	818.48
296943	LD	BUY	ECONOMIC	07/25/2023	7x16H	FP	-58	MEAD230	818.48
296944	LD	BUY	ECONOMIC	07/25/2023	7x16H	FP	-25	MEAD230	824.39
296945	LD	BUY	ECONOMIC	07/25/2023	7x16H	FP	-25	MEAD230	824.39
296946	LD	BUY	ECONOMIC	07/25/2023	7x16H	FP	-25	MEAD230	824.39
296950	LD	BUY	ECONOMIC	07/25/2023	7x16H	FP	-50	MEAD230	824.39
296952	LD	BUY	ECONOMIC	07/25/2023	7x16H	FP	-224	MEAD230	841.37
296953	LD	BUY	ECONOMIC	07/25/2023	Hourly	FP	-5	MEAD230	841.37
296957	LD	BUY	ECONOMIC	07/25/2023	7x16H	FP	-6	MEAD230	835.53
296958	LD	BUY	ECONOMIC	07/25/2023	7x16H	FP	-37	MEAD230	835.53
296971	LD	BUY	ECONOMIC	07/25/2023	7x16H	FP	-6	MEAD230	818.48
293865	Term	BUY	ECONOMIC	07/25/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/25/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/25/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/25/2023	7x 1-6, 15-24	FP	1600	MEAD230	204.09
294924	Term	BUY	ECONOMIC	07/25/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/25/2023	7x 1-6, 15-24	FP	800	MEAD230	204.09
295556	Term	BUY	ECONOMIC	07/25/2023	7x 1-6, 15-24	FP	1600	MEAD230	204.09
296941	LD	BUY	ECONOMIC	07/25/2023	7x16H	FP	-155	PALOVERDE500	813.74
296954	LD	BUY	ECONOMIC	07/25/2023	7x 1-6, 15-24	FP	-300	MEAD230	842.43
296955	LD	BUY	ECONOMIC	07/25/2023	7x 1-6, 15-24	FP	-224	MEAD230	842.43
296956	LD	BUY	ECONOMIC	07/25/2023	7x 1-6, 15-24	FP	-100	MEAD230	842.43
293875	Term	BUY	ECONOMIC	07/25/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/25/2023	Heavy Load	FP	400	PALOVERDE500	182.63
294394	Term	BUY	ECONOMIC	07/25/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	298.53
294395	Term	BUY	ECONOMIC	07/25/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/25/2023	7x16H	FP	400	MCCULLOUGH500	155
294931	Term	BUY	ECONOMIC	07/25/2023	7x16H	FP	1600	MCCULLOUGH500	295
294934	Term	BUY	ECONOMIC	07/25/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/25/2023	Heavy Load	FP	800	REDB	189.38

294937	Term	BUY	ECONOMIC	07/25/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/25/2023	7x16H	FP	800	MCCULLOUGH500	295
296940	LD	BUY	ECONOMIC	07/25/2023	7x16H	FP	-26	MCCULLOUGH500	691.11
296947	LD	BUY	ECONOMIC	07/25/2023	7x16H	FP	-48	MCCULLOUGH500	155
296951	LD	BUY	ECONOMIC	07/25/2023	Heavy Load	FP	-46	PALOVERDE500	844.69
296927	RT	SELL	ECONOMIC	07/25/2023	Hourly	FP	120	NAVAJO500	115
296928	RT	SELL	ECONOMIC	07/25/2023	Hourly	FP	25	NAVAJO500	120
296934	RT	SELL	ECONOMIC	07/25/2023	Hourly	FP	50	NAVAJO500	175
296935	RT	SELL	ECONOMIC	07/25/2023	Hourly	FP	15	MEAD230	150
296974	RT	BUY	ECONOMIC	07/26/2023	Hourly	FP	50	MEAD230	500
274046	Term	BUY	ECONOMIC	07/26/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/26/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	07/26/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/26/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/26/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/26/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/26/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/26/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/26/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/26/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/26/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/26/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/26/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/26/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/26/2023	7x16H	FP	800	MEAD230	222
296980	LD	BUY	ECONOMIC	07/26/2023	7x16H	FP	-50	MEAD230	800
296981	LD	BUY	ECONOMIC	07/26/2023	7x16H	FP	-25	MEAD230	800
296982	LD	BUY	ECONOMIC	07/26/2023	7x16H	FP	-25	MEAD230	800
296984	LD	BUY	ECONOMIC	07/26/2023	7x16H	FP	-12	MEAD230	800
296987	LD	BUY	ECONOMIC	07/26/2023	6x8 (Superpeak)	FP	-100	MEAD230	800
296988	LD	BUY	ECONOMIC	07/26/2023	7x16H	FP	-50	MEAD230	800
296994	LD	BUY	ECONOMIC	07/26/2023	7x16H	FP	-30	MEAD230	800
293865	Term	BUY	ECONOMIC	07/26/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/26/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/26/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/26/2023	7x 1-6, 15-24	FP	1600	MEAD230	192.16
294924	Term	BUY	ECONOMIC	07/26/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/26/2023	7x 1-6, 15-24	FP	800	MEAD230	192.16
295556	Term	BUY	ECONOMIC	07/26/2023	7x 1-6, 15-24	FP	1600	MEAD230	192.16
296972	LD	BUY	ECONOMIC	07/26/2023	7x 1-6, 15-24	FP	-50	MEAD230	285
296977	LD	BUY	ECONOMIC	07/26/2023	7x 1-6, 15-24	FP	-62	MEAD230	800
296993	LD	BUY	ECONOMIC	07/26/2023	7x16H	FP	-56	PALOVERDE500	800
293875	Term	BUY	ECONOMIC	07/26/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/26/2023	Heavy Load	FP	400	PALOVERDE500	161.26
294394	Term	BUY	ECONOMIC	07/26/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	298.53
294395	Term	BUY	ECONOMIC	07/26/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/26/2023	7x16H	FP	400	MCCULLOUGH500	155
294931	Term	BUY	ECONOMIC	07/26/2023	7x16H	FP	1600	MCCULLOUGH500	295

294934	Term	BUY	ECONOMIC	07/26/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/26/2023	Heavy Load	FP	800	REDB	176.71
294937	Term	BUY	ECONOMIC	07/26/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/26/2023	7x16H	FP	800	MCCULLOUG500	295
296979	LD	BUY	ECONOMIC	07/26/2023	Heavy Load	FP	-2	PALOVERDE500	161.26
296992	LD	BUY	ECONOMIC	07/26/2023	7x16H	FP	-61	MCCULLOUG500	155
296963	RT	BUY	ECONOMIC	07/26/2023	Hourly	FP	750	MEAD230	700
296967	RT	BUY	ECONOMIC	07/26/2023	Hourly	FP	829	MEAD230	800
296973	RT	BUY	ECONOMIC	07/26/2023	Hourly	FP	532	MEAD230	800
296989	LD	BUY	ECONOMIC	07/26/2023	Hourly	FP	-229	MEAD230	800
296964	DA	BUY	ECONOMIC	07/27/2023	Hourly	FP	175	MEAD230	239.51
296965	DA	BUY	ECONOMIC	07/27/2023	Hourly	FP	175	ELDORADO230	239.93
274046	Term	BUY	ECONOMIC	07/27/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/27/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	07/27/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/27/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/27/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/27/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/27/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/27/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/27/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/27/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/27/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/27/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/27/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/27/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/27/2023	7x16H	FP	800	MEAD230	222
296991	LD	BUY	ECONOMIC	07/27/2023	7x16H	FP	-38	MEAD230	168
297001	LD	BUY	ECONOMIC	07/27/2023	7x16H	FP	-3	MEAD230	235.45
293865	Term	BUY	ECONOMIC	07/27/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/27/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/27/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/27/2023	7x 1-6, 15-24	FP	1600	MEAD230	269.24
294924	Term	BUY	ECONOMIC	07/27/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/27/2023	7x 1-6, 15-24	FP	800	MEAD230	269.24
295556	Term	BUY	ECONOMIC	07/27/2023	7x 1-6, 15-24	FP	1600	MEAD230	269.24
297000	LD	BUY	ECONOMIC	07/27/2023	7x16H	FP	-1	PALOVERDE500	290
293875	Term	BUY	ECONOMIC	07/27/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/27/2023	Heavy Load	FP	400	PALOVERDE500	269.29
294394	Term	BUY	ECONOMIC	07/27/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53
294395	Term	BUY	ECONOMIC	07/27/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/27/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/27/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/27/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/27/2023	Heavy Load	FP	800	REDB	295.75
294937	Term	BUY	ECONOMIC	07/27/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/27/2023	7x16H	FP	800	MCCULLOUG500	295
296990	LD	BUY	ECONOMIC	07/27/2023	7x16H	FP	-107	MCCULLOUG500	155

296999	LD	BUY	ECONOMIC	07/27/2023	7x16H	FP	-3	MCCULLOUGH500	295
296995	DA	BUY	ECONOMIC	07/28/2023	Hourly	FP	125	ELDORADO230	230.05
296996	DA	BUY	ECONOMIC	07/28/2023	Hourly	FP	125	MEAD230	229.44
297004	RT	BUY	ECONOMIC	07/28/2023	Hourly	FP	300	MEAD230	250
297005	RT	BUY	ECONOMIC	07/28/2023	Hourly	FP	450	MEAD230	275
297007	RT	BUY	ECONOMIC	07/28/2023	Hourly	FP	200	MEAD230	300
297008	RT	BUY	ECONOMIC	07/28/2023	Hourly	FP	600	MEAD230	350
297011	RT	BUY	ECONOMIC	07/28/2023	Hourly	FP	400	MEAD230	275
297012	RT	BUY	ECONOMIC	07/28/2023	Hourly	FP	150	MEAD230	300
297016	RT	BUY	ECONOMIC	07/28/2023	Hourly	FP	160	MEAD230	350
297020	LD	BUY	ECONOMIC	07/28/2023	Hourly	FP	-6	MEAD230	350
297021	LD	BUY	ECONOMIC	07/28/2023	Hourly	FP	-51	MEAD230	300
274046	Term	BUY	ECONOMIC	07/28/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/28/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	07/28/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/28/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/28/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/28/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/28/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/28/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/28/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/28/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/28/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/28/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/28/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/28/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/28/2023	7x16H	FP	800	MEAD230	222
297022	LD	BUY	ECONOMIC	07/28/2023	7x16H	FP	-39	MEAD230	345
293865	Term	BUY	ECONOMIC	07/28/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/28/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/28/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/28/2023	7x 1-6, 15-24	FP	1600	MEAD230	241.46
294924	Term	BUY	ECONOMIC	07/28/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/28/2023	7x 1-6, 15-24	FP	800	MEAD230	241.46
295556	Term	BUY	ECONOMIC	07/28/2023	7x 1-6, 15-24	FP	1600	MEAD230	241.46
293875	Term	BUY	ECONOMIC	07/28/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/28/2023	Heavy Load	FP	400	PALOVERDE500	226.92
294394	Term	BUY	ECONOMIC	07/28/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	298.53
294395	Term	BUY	ECONOMIC	07/28/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/28/2023	7x16H	FP	400	MCCULLOUGH500	155
294931	Term	BUY	ECONOMIC	07/28/2023	7x16H	FP	1600	MCCULLOUGH500	295
294934	Term	BUY	ECONOMIC	07/28/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/28/2023	Heavy Load	FP	800	REDB	241.54
294937	Term	BUY	ECONOMIC	07/28/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/28/2023	7x16H	FP	800	MCCULLOUGH500	295
297019	LD	BUY	ECONOMIC	07/28/2023	7x16H	FP	-9	MCCULLOUGH500	155
274046	Term	BUY	ECONOMIC	07/29/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/29/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94

283775	Term	BUY	ECONOMIC	07/29/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/29/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/29/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/29/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/29/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/29/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/29/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/29/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/29/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/29/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/29/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/29/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/29/2023	7x16H	FP	800	MEAD230	222
293865	Term	BUY	ECONOMIC	07/29/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/29/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/29/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/29/2023	7x 1-6, 15-24	FP	1600	MEAD230	201.22
294924	Term	BUY	ECONOMIC	07/29/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/29/2023	7x 1-6, 15-24	FP	800	MEAD230	201.22
295556	Term	BUY	ECONOMIC	07/29/2023	7x 1-6, 15-24	FP	1600	MEAD230	201.22
297009	DA	BUY	ECONOMIC	07/29/2023	Hourly	FP	100	ELDORADO230	150.86
297010	DA	BUY	ECONOMIC	07/29/2023	Hourly	FP	100	MEAD230	150.39
293875	Term	BUY	ECONOMIC	07/29/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/29/2023	Heavy Load	FP	400	PALOVERDE500	226.92
294394	Term	BUY	ECONOMIC	07/29/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53
294395	Term	BUY	ECONOMIC	07/29/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/29/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/29/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/29/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/29/2023	Heavy Load	FP	800	REDB	241.54
294937	Term	BUY	ECONOMIC	07/29/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/29/2023	7x16H	FP	800	MCCULLOUG500	295
297027	LD	BUY	ECONOMIC	07/29/2023	7x16H	FP	-31	MCCULLOUG500	155
274046	Term	BUY	ECONOMIC	07/30/2023	Hourly	FP	120	MEAD230	41.99
283775	Term	BUY	ECONOMIC	07/30/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/30/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/30/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/30/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/30/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/30/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/30/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/30/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/30/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/30/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/30/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/30/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/30/2023	7x16H	FP	800	MEAD230	222
293865	Term	BUY	ECONOMIC	07/30/2023	7x16H	FP	800	PALOVERDE500	290

293866	Term	BUY	ECONOMIC	07/30/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/30/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/30/2023	7x 1-6, 15-24	FP	1600	MEAD230	187.26
294924	Term	BUY	ECONOMIC	07/30/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/30/2023	7x 1-6, 15-24	FP	800	MEAD230	187.26
295556	Term	BUY	ECONOMIC	07/30/2023	7x 1-6, 15-24	FP	1600	MEAD230	187.26
297025	DA	BUY	ECONOMIC	07/30/2023	Hourly	FP	475	ELDORADO230	154.49
297026	DA	BUY	ECONOMIC	07/30/2023	Hourly	FP	475	MEAD230	149.76
293875	Term	BUY	ECONOMIC	07/30/2023	7x16H	FP	3200	MEAD230	258.4
294394	Term	BUY	ECONOMIC	07/30/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53
294395	Term	BUY	ECONOMIC	07/30/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/30/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/30/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/30/2023	7x16H	FP	400	MEAD230	297
294937	Term	BUY	ECONOMIC	07/30/2023	7x16H	FP	800	MEAD230	221
295006	Term	BUY	ECONOMIC	07/30/2023	7x16H	FP	800	MCCULLOUG500	295
297028	RT	SELL	ECONOMIC	07/31/2023	Hourly	FP	75	M345	49
274046	Term	BUY	ECONOMIC	07/31/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	07/31/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	07/31/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	07/31/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284622	Term	BUY	ECONOMIC	07/31/2023	7x16H	FP	800	MEAD230	235.45
284623	Term	BUY	ECONOMIC	07/31/2023	7x16H	FP	800	MEAD230	225.45
284627	Term	BUY	ECONOMIC	07/31/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	07/31/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	07/31/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	07/31/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	07/31/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	07/31/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	07/31/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	07/31/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	07/31/2023	7x16H	FP	800	MEAD230	222
293865	Term	BUY	ECONOMIC	07/31/2023	7x16H	FP	800	PALOVERDE500	290
293866	Term	BUY	ECONOMIC	07/31/2023	7x16H	FP	800	MEAD230	298
293871	Term	BUY	ECONOMIC	07/31/2023	7x16H	FP	400	MEAD230	339.5
293873	Term	BUY	ECONOMIC	07/31/2023	7x 1-6, 15-24	FP	1600	MEAD230	197.57
294924	Term	BUY	ECONOMIC	07/31/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	07/31/2023	7x 1-6, 15-24	FP	800	MEAD230	197.57
295556	Term	BUY	ECONOMIC	07/31/2023	7x 1-6, 15-24	FP	1600	MEAD230	197.57
293875	Term	BUY	ECONOMIC	07/31/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	07/31/2023	Heavy Load	FP	400	PALOVERDE500	209.56
294394	Term	BUY	ECONOMIC	07/31/2023	7x8 (15-22)	FP	400	MCCULLOUG500	298.53
294395	Term	BUY	ECONOMIC	07/31/2023	7x8 (15-22)	FP	400	PALOVERDE500	298.53
294928	Term	BUY	ECONOMIC	07/31/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	07/31/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	07/31/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	07/31/2023	Heavy Load	FP	800	REDB	218.58
294937	Term	BUY	ECONOMIC	07/31/2023	7x16H	FP	800	MEAD230	221

295006	Term	BUY	ECONOMIC	07/31/2023	7x16H	FP	800	MCCULLOUGH500	295
297034	RT	SELL	ECONOMIC	08/01/2023	Hourly	FP	270	MEAD230	85
274046	Term	BUY	ECONOMIC	08/01/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/01/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/01/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/01/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/01/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/01/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/01/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/01/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/01/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/01/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/01/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/01/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/01/2023	7x16H	FP	800	MEAD230	222
293867	Term	BUY	ECONOMIC	08/01/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/01/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/01/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/01/2023	7x 1-6, 15-24	FP	1600	MEAD230	185.61
294396	Term	BUY	ECONOMIC	08/01/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	383.77
294397	Term	BUY	ECONOMIC	08/01/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/01/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/01/2023	7x 1-6, 15-24	FP	800	MEAD230	185.61
295556	Term	BUY	ECONOMIC	08/01/2023	7x 1-6, 15-24	FP	1600	MEAD230	185.61
295557	Term	BUY	ECONOMIC	08/01/2023	7x16H	FP	400	MCCULLOUGH500	250
295558	Term	BUY	ECONOMIC	08/01/2023	7x16H	FP	1200	MCCULLOUGH500	349
295559	Term	BUY	ECONOMIC	08/01/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/01/2023	Heavy Load	FP	400	PALOVERDE500	147
297039	LD	BUY	ECONOMIC	08/01/2023	7x16H	FP	-18	MCCULLOUGH500	250
297032	RT	SELL	ECONOMIC	08/01/2023	Hourly	FP	150	MEAD230	60
293875	Term	BUY	ECONOMIC	08/01/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/01/2023	Heavy Load	FP	400	PALOVERDE500	147
294928	Term	BUY	ECONOMIC	08/01/2023	7x16H	FP	400	MCCULLOUGH500	155
294931	Term	BUY	ECONOMIC	08/01/2023	7x16H	FP	1600	MCCULLOUGH500	295
294934	Term	BUY	ECONOMIC	08/01/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/01/2023	Heavy Load	FP	800	REDB	155.71
294938	Term	BUY	ECONOMIC	08/01/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/01/2023	7x16H	FP	800	MCCULLOUGH500	295
295706	Term	BUY	ECONOMIC	08/01/2023	Heavy Load	FP	800	REDB	167.71
297044	RT	SELL	ECONOMIC	08/02/2023	Hourly	FP	400	MEAD230	85
297049	RT	SELL	ECONOMIC	08/02/2023	Hourly	FP	280	MEAD230	100
297052	RT	SELL	ECONOMIC	08/02/2023	Hourly	FP	70	MEAD230	125
297055	RT	SELL	ECONOMIC	08/02/2023	Hourly	FP	200	MEAD230	125
297040	RT	SELL	ECONOMIC	08/02/2023	Hourly	FP	83	MEAD230	85
274046	Term	BUY	ECONOMIC	08/02/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/02/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/02/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/02/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37

284627	Term	BUY	ECONOMIC	08/02/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/02/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/02/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/02/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/02/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/02/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/02/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/02/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/02/2023	7x16H	FP	800	MEAD230	222
293867	Term	BUY	ECONOMIC	08/02/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/02/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/02/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/02/2023	7x 1-6, 15-24	FP	1600	MEAD230	175.04
294396	Term	BUY	ECONOMIC	08/02/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77
294397	Term	BUY	ECONOMIC	08/02/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/02/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/02/2023	7x 1-6, 15-24	FP	800	MEAD230	175.04
295556	Term	BUY	ECONOMIC	08/02/2023	7x 1-6, 15-24	FP	1600	MEAD230	175.04
295557	Term	BUY	ECONOMIC	08/02/2023	7x16H	FP	400	MCCULLOUG500	250
295558	Term	BUY	ECONOMIC	08/02/2023	7x16H	FP	1200	MCCULLOUG500	349
295559	Term	BUY	ECONOMIC	08/02/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/02/2023	Heavy Load	FP	400	PALOVERDE500	139.4
297059	LD	BUY	ECONOMIC	08/02/2023	7x16H	FP	-11	MCCULLOUG500	250
293875	Term	BUY	ECONOMIC	08/02/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/02/2023	Heavy Load	FP	400	PALOVERDE500	139.4
294928	Term	BUY	ECONOMIC	08/02/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/02/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/02/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/02/2023	Heavy Load	FP	800	REDB	147.18
294938	Term	BUY	ECONOMIC	08/02/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/02/2023	7x16H	FP	800	MCCULLOUG500	295
295706	Term	BUY	ECONOMIC	08/02/2023	Heavy Load	FP	800	REDB	159.18
297060	RT	SELL	ECONOMIC	08/03/2023	Hourly	FP	25	MEAD230	52
297061	RT	SELL	ECONOMIC	08/03/2023	Hourly	FP	200	NAVAJO500	70
297066	RT	SELL	ECONOMIC	08/03/2023	Hourly	FP	124	MCCULLOUG500	70
297067	RT	SELL	ECONOMIC	08/03/2023	Hourly	FP	100	NAVAJO500	85
274046	Term	BUY	ECONOMIC	08/03/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/03/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/03/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/03/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/03/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/03/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/03/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/03/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/03/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/03/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/03/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/03/2023	7x16H	FP	800	MEAD230	175

284638	Term	BUY	ECONOMIC	08/03/2023	7x16H	FP	800	MEAD230	222
297073	LD	BUY	ECONOMIC	08/03/2023	7x16H	FP	-17	MEAD230	175
293867	Term	BUY	ECONOMIC	08/03/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/03/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/03/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/03/2023	7x 1-6, 15-24	FP	1600	MEAD230	161.05
294396	Term	BUY	ECONOMIC	08/03/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77
294397	Term	BUY	ECONOMIC	08/03/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/03/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/03/2023	7x 1-6, 15-24	FP	800	MEAD230	161.05
295556	Term	BUY	ECONOMIC	08/03/2023	7x 1-6, 15-24	FP	1600	MEAD230	161.05
295557	Term	BUY	ECONOMIC	08/03/2023	7x16H	FP	400	MCCULLOUG500	250
295558	Term	BUY	ECONOMIC	08/03/2023	7x16H	FP	1200	MCCULLOUG500	349
295559	Term	BUY	ECONOMIC	08/03/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/03/2023	Heavy Load	FP	400	PALOVERDE500	135.26
297070	LD	BUY	ECONOMIC	08/03/2023	7x16H	FP	-100	MCCULLOUG500	349
293875	Term	BUY	ECONOMIC	08/03/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/03/2023	Heavy Load	FP	400	PALOVERDE500	135.26
294928	Term	BUY	ECONOMIC	08/03/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/03/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/03/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/03/2023	Heavy Load	FP	800	REDB	143.91
294938	Term	BUY	ECONOMIC	08/03/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/03/2023	7x16H	FP	800	MCCULLOUG500	295
295706	Term	BUY	ECONOMIC	08/03/2023	Heavy Load	FP	800	REDB	155.91
297074	RT	SELL	ECONOMIC	08/04/2023	Hourly	FP	625	MEAD230	45
274046	Term	BUY	ECONOMIC	08/04/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/04/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/04/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/04/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/04/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/04/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/04/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/04/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/04/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/04/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/04/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/04/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/04/2023	7x16H	FP	800	MEAD230	222
293867	Term	BUY	ECONOMIC	08/04/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/04/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/04/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/04/2023	7x 1-6, 15-24	FP	1600	MEAD230	163.23
294396	Term	BUY	ECONOMIC	08/04/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77
294397	Term	BUY	ECONOMIC	08/04/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/04/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/04/2023	7x 1-6, 15-24	FP	800	MEAD230	163.23
295556	Term	BUY	ECONOMIC	08/04/2023	7x 1-6, 15-24	FP	1600	MEAD230	163.23

295557	Term	BUY	ECONOMIC	08/04/2023	7x16H	FP	400	MCCULLOUGH500	250
295558	Term	BUY	ECONOMIC	08/04/2023	7x16H	FP	1200	MCCULLOUGH500	349
295559	Term	BUY	ECONOMIC	08/04/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/04/2023	Heavy Load	FP	400	PALOVERDE500	127.19
297078	LD	BUY	ECONOMIC	08/04/2023	7x16H	FP	-31	MCCULLOUGH500	349
297081	LD	BUY	ECONOMIC	08/04/2023	7x16H	FP	-2	MEAD230	335
297077	RT	SELL	ECONOMIC	08/04/2023	Hourly	FP	40	MEAD230	62
293875	Term	BUY	ECONOMIC	08/04/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/04/2023	Heavy Load	FP	400	PALOVERDE500	127.19
294928	Term	BUY	ECONOMIC	08/04/2023	7x16H	FP	400	MCCULLOUGH500	155
294931	Term	BUY	ECONOMIC	08/04/2023	7x16H	FP	1600	MCCULLOUGH500	295
294934	Term	BUY	ECONOMIC	08/04/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/04/2023	Heavy Load	FP	800	REDB	135.55
294938	Term	BUY	ECONOMIC	08/04/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/04/2023	7x16H	FP	800	MCCULLOUGH500	295
295706	Term	BUY	ECONOMIC	08/04/2023	Heavy Load	FP	800	REDB	147.55
297082	LD	BUY	ECONOMIC	08/04/2023	7x16H	FP	-8	MCCULLOUGH500	155
274046	Term	BUY	ECONOMIC	08/05/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/05/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/05/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/05/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/05/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/05/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/05/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/05/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/05/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/05/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/05/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/05/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/05/2023	7x16H	FP	800	MEAD230	222
293867	Term	BUY	ECONOMIC	08/05/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/05/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/05/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/05/2023	7x 1-6, 15-24	FP	1600	MEAD230	162.09
294396	Term	BUY	ECONOMIC	08/05/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	383.77
294397	Term	BUY	ECONOMIC	08/05/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/05/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/05/2023	7x 1-6, 15-24	FP	800	MEAD230	162.09
295556	Term	BUY	ECONOMIC	08/05/2023	7x 1-6, 15-24	FP	1600	MEAD230	162.09
295557	Term	BUY	ECONOMIC	08/05/2023	7x16H	FP	400	MCCULLOUGH500	250
295558	Term	BUY	ECONOMIC	08/05/2023	7x16H	FP	1200	MCCULLOUGH500	349
295559	Term	BUY	ECONOMIC	08/05/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/05/2023	Heavy Load	FP	400	PALOVERDE500	127.19
297086	LD	BUY	ECONOMIC	08/05/2023	7x16H	FP	-47	MCCULLOUGH500	250
297087	LD	BUY	ECONOMIC	08/05/2023	7x16H	FP	-18	MEAD230	335
297083	RT	SELL	ECONOMIC	08/05/2023	Hourly	FP	150	MEAD230	50
293875	Term	BUY	ECONOMIC	08/05/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/05/2023	Heavy Load	FP	400	PALOVERDE500	127.19

294928	Term	BUY	ECONOMIC	08/05/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/05/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/05/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/05/2023	Heavy Load	FP	800	REDB	135.55
294938	Term	BUY	ECONOMIC	08/05/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/05/2023	7x16H	FP	800	MCCULLOUG500	295
295706	Term	BUY	ECONOMIC	08/05/2023	Heavy Load	FP	800	REDB	147.55
274046	Term	BUY	ECONOMIC	08/06/2023	Hourly	FP	120	MEAD230	41.99
283775	Term	BUY	ECONOMIC	08/06/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/06/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/06/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/06/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/06/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/06/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/06/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/06/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/06/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/06/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/06/2023	7x16H	FP	800	MEAD230	222
293867	Term	BUY	ECONOMIC	08/06/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/06/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/06/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/06/2023	7x 1-6, 15-24	FP	1600	MEAD230	170.62
294396	Term	BUY	ECONOMIC	08/06/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77
294397	Term	BUY	ECONOMIC	08/06/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/06/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/06/2023	7x 1-6, 15-24	FP	800	MEAD230	170.62
295556	Term	BUY	ECONOMIC	08/06/2023	7x 1-6, 15-24	FP	1600	MEAD230	170.62
295557	Term	BUY	ECONOMIC	08/06/2023	7x16H	FP	400	MCCULLOUG500	250
295558	Term	BUY	ECONOMIC	08/06/2023	7x16H	FP	1200	MCCULLOUG500	349
295559	Term	BUY	ECONOMIC	08/06/2023	7x16H	FP	400	NAVAJO500	312
297092	LD	BUY	ECONOMIC	08/06/2023	7x16H	FP	-285	PALOVERDE500	330
297093	LD	BUY	ECONOMIC	08/06/2023	7x16H	FP	-78	MCCULLOUG500	250
297088	RT	SELL	ECONOMIC	08/06/2023	Hourly	FP	15	NAVAJO500	68
297090	RT	SELL	ECONOMIC	08/06/2023	Hourly	FP	150	MEAD230	50
293875	Term	BUY	ECONOMIC	08/06/2023	7x16H	FP	3200	MEAD230	258.4
294928	Term	BUY	ECONOMIC	08/06/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/06/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/06/2023	7x16H	FP	400	MEAD230	297
294938	Term	BUY	ECONOMIC	08/06/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/06/2023	7x16H	FP	800	MCCULLOUG500	295
274046	Term	BUY	ECONOMIC	08/07/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/07/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/07/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/07/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/07/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/07/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/07/2023	7x16H	FP	400	MEAD230	203

284630	Term	BUY	ECONOMIC	08/07/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/07/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/07/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/07/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/07/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/07/2023	7x16H	FP	800	MEAD230	222
293867	Term	BUY	ECONOMIC	08/07/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/07/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/07/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/07/2023	7x 1-6, 15-24	FP	1600	MEAD230	185.37
294396	Term	BUY	ECONOMIC	08/07/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77
294397	Term	BUY	ECONOMIC	08/07/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/07/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/07/2023	7x 1-6, 15-24	FP	800	MEAD230	185.37
295556	Term	BUY	ECONOMIC	08/07/2023	7x 1-6, 15-24	FP	1600	MEAD230	185.37
295557	Term	BUY	ECONOMIC	08/07/2023	7x16H	FP	400	MCCULLOUG500	250
295558	Term	BUY	ECONOMIC	08/07/2023	7x16H	FP	1200	MCCULLOUG500	349
295559	Term	BUY	ECONOMIC	08/07/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/07/2023	Heavy Load	FP	400	PALOVERDE500	154.06
297099	LD	BUY	ECONOMIC	08/07/2023	7x16H	FP	-41	MCCULLOUG500	250
297100	LD	BUY	ECONOMIC	08/07/2023	7x16H	FP	-36	MEAD230	335
297101	LD	BUY	ECONOMIC	08/07/2023	7x16H	FP	-5	MEAD230	355.9
297094	RT	SELL	ECONOMIC	08/07/2023	Hourly	FP	100	MEAD230	50
297096	RT	SELL	ECONOMIC	08/07/2023	Hourly	FP	110	NAVAJO500	100
293875	Term	BUY	ECONOMIC	08/07/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/07/2023	Heavy Load	FP	400	PALOVERDE500	154.06
294928	Term	BUY	ECONOMIC	08/07/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/07/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/07/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/07/2023	Heavy Load	FP	800	REDB	164.05
294938	Term	BUY	ECONOMIC	08/07/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/07/2023	7x16H	FP	800	MCCULLOUG500	295
295706	Term	BUY	ECONOMIC	08/07/2023	Heavy Load	FP	800	REDB	176.05
274046	Term	BUY	ECONOMIC	08/08/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/08/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/08/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/08/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/08/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/08/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/08/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/08/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/08/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/08/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/08/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/08/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/08/2023	7x16H	FP	800	MEAD230	222
293867	Term	BUY	ECONOMIC	08/08/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/08/2023	7x16H	FP	800	MEAD230	335

293872	Term	BUY	ECONOMIC	08/08/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/08/2023	7x 1-6, 15-24	FP	1600	MEAD230	159.76
294396	Term	BUY	ECONOMIC	08/08/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77
294397	Term	BUY	ECONOMIC	08/08/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/08/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/08/2023	7x 1-6, 15-24	FP	800	MEAD230	159.76
295556	Term	BUY	ECONOMIC	08/08/2023	7x 1-6, 15-24	FP	1600	MEAD230	159.76
295557	Term	BUY	ECONOMIC	08/08/2023	7x16H	FP	400	MCCULLOUG500	250
295558	Term	BUY	ECONOMIC	08/08/2023	7x16H	FP	1200	MCCULLOUG500	349
295559	Term	BUY	ECONOMIC	08/08/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/08/2023	Heavy Load	FP	400	PALOVERDE500	125.42
293875	Term	BUY	ECONOMIC	08/08/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/08/2023	Heavy Load	FP	400	PALOVERDE500	125.42
294928	Term	BUY	ECONOMIC	08/08/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/08/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/08/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/08/2023	Heavy Load	FP	800	REDB	134.14
294938	Term	BUY	ECONOMIC	08/08/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/08/2023	7x16H	FP	800	MCCULLOUG500	295
295706	Term	BUY	ECONOMIC	08/08/2023	Heavy Load	FP	800	REDB	146.14
297107	RT	BUY	ECONOMIC	08/09/2023	Hourly	FP	75	M345	45
274046	Term	BUY	ECONOMIC	08/09/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/09/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/09/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/09/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/09/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/09/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/09/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/09/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/09/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/09/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/09/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/09/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/09/2023	7x16H	FP	800	MEAD230	222
293867	Term	BUY	ECONOMIC	08/09/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/09/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/09/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/09/2023	7x 1-6, 15-24	FP	1600	MEAD230	146.55
294396	Term	BUY	ECONOMIC	08/09/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77
294397	Term	BUY	ECONOMIC	08/09/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/09/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/09/2023	7x 1-6, 15-24	FP	800	MEAD230	146.55
295556	Term	BUY	ECONOMIC	08/09/2023	7x 1-6, 15-24	FP	1600	MEAD230	146.55
295557	Term	BUY	ECONOMIC	08/09/2023	7x16H	FP	400	MCCULLOUG500	250
295558	Term	BUY	ECONOMIC	08/09/2023	7x16H	FP	1200	MCCULLOUG500	349
295559	Term	BUY	ECONOMIC	08/09/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/09/2023	Heavy Load	FP	400	PALOVERDE500	101.03
297102	LD	BUY	ECONOMIC	08/09/2023	7x16H	FP	-28	MCCULLOUG500	250

293875	Term	BUY	ECONOMIC	08/09/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/09/2023	Heavy Load	FP	400	PALOVERDE500	101.03
294928	Term	BUY	ECONOMIC	08/09/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/09/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/09/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/09/2023	Heavy Load	FP	800	REDB	107.17
294938	Term	BUY	ECONOMIC	08/09/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/09/2023	7x16H	FP	800	MCCULLOUG500	295
295706	Term	BUY	ECONOMIC	08/09/2023	Heavy Load	FP	800	REDB	119.17
297103	RT	SELL	ECONOMIC	08/09/2023	Hourly	FP	150	MEAD230	80
274046	Term	BUY	ECONOMIC	08/10/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/10/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/10/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/10/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/10/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/10/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/10/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/10/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/10/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/10/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/10/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/10/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/10/2023	7x16H	FP	800	MEAD230	222
293867	Term	BUY	ECONOMIC	08/10/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/10/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/10/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/10/2023	7x 1-6, 15-24	FP	1600	MEAD230	145.77
294396	Term	BUY	ECONOMIC	08/10/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77
294397	Term	BUY	ECONOMIC	08/10/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/10/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/10/2023	7x 1-6, 15-24	FP	800	MEAD230	145.77
295556	Term	BUY	ECONOMIC	08/10/2023	7x 1-6, 15-24	FP	1600	MEAD230	145.77
295557	Term	BUY	ECONOMIC	08/10/2023	7x16H	FP	400	MCCULLOUG500	250
295558	Term	BUY	ECONOMIC	08/10/2023	7x16H	FP	1200	MCCULLOUG500	349
295559	Term	BUY	ECONOMIC	08/10/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/10/2023	Heavy Load	FP	400	PALOVERDE500	103.19
297122	LD	BUY	ECONOMIC	08/10/2023	7x16H	FP	-34	MCCULLOUG500	250
293875	Term	BUY	ECONOMIC	08/10/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/10/2023	Heavy Load	FP	400	PALOVERDE500	103.19
294928	Term	BUY	ECONOMIC	08/10/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/10/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/10/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/10/2023	Heavy Load	FP	800	REDB	108.29
294938	Term	BUY	ECONOMIC	08/10/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/10/2023	7x16H	FP	800	MCCULLOUG500	295
295706	Term	BUY	ECONOMIC	08/10/2023	Heavy Load	FP	800	REDB	120.29
297123	LD	BUY	ECONOMIC	08/10/2023	7x16H	FP	-25	MCCULLOUG500	155
297109	RT	SELL	ECONOMIC	08/10/2023	Hourly	FP	150	MEAD230	55

297110	RT	SELL	ECONOMIC	08/10/2023	Hourly	FP	600	MEAD230	75
297111	RT	SELL	ECONOMIC	08/10/2023	Hourly	FP	100	MEAD230	60
297112	RT	SELL	ECONOMIC	08/10/2023	Hourly	FP	600	MEAD230	73
274046	Term	BUY	ECONOMIC	08/11/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/11/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/11/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/11/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/11/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/11/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/11/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/11/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/11/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/11/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/11/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/11/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/11/2023	7x16H	FP	800	MEAD230	222
293867	Term	BUY	ECONOMIC	08/11/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/11/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/11/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/11/2023	7x 1-6, 15-24	FP	1600	MEAD230	144.87
294396	Term	BUY	ECONOMIC	08/11/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77
294397	Term	BUY	ECONOMIC	08/11/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/11/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/11/2023	7x 1-6, 15-24	FP	800	MEAD230	144.87
295556	Term	BUY	ECONOMIC	08/11/2023	7x 1-6, 15-24	FP	1600	MEAD230	144.87
295557	Term	BUY	ECONOMIC	08/11/2023	7x16H	FP	400	MCCULLOUG500	250
295558	Term	BUY	ECONOMIC	08/11/2023	7x16H	FP	1200	MCCULLOUG500	349
295559	Term	BUY	ECONOMIC	08/11/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/11/2023	Heavy Load	FP	400	PALOVERDE500	101
293875	Term	BUY	ECONOMIC	08/11/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/11/2023	Heavy Load	FP	400	PALOVERDE500	101
294928	Term	BUY	ECONOMIC	08/11/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/11/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/11/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/11/2023	Heavy Load	FP	800	REDB	107.6
294938	Term	BUY	ECONOMIC	08/11/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/11/2023	7x16H	FP	800	MCCULLOUG500	295
295706	Term	BUY	ECONOMIC	08/11/2023	Heavy Load	FP	800	REDB	119.6
274046	Term	BUY	ECONOMIC	08/12/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/12/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/12/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/12/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/12/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/12/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/12/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/12/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/12/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/12/2023	7x16H	FP	400	MEAD230	167.5

284633	Term	BUY	ECONOMIC	08/12/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/12/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/12/2023	7x16H	FP	800	MEAD230	222
293867	Term	BUY	ECONOMIC	08/12/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/12/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/12/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/12/2023	7x 1-6, 15-24	FP	1600	MEAD230	143.87
294396	Term	BUY	ECONOMIC	08/12/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77
294397	Term	BUY	ECONOMIC	08/12/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/12/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/12/2023	7x 1-6, 15-24	FP	800	MEAD230	143.87
295556	Term	BUY	ECONOMIC	08/12/2023	7x 1-6, 15-24	FP	1600	MEAD230	143.87
295557	Term	BUY	ECONOMIC	08/12/2023	7x16H	FP	400	MCCULLOUG500	250
295558	Term	BUY	ECONOMIC	08/12/2023	7x16H	FP	1200	MCCULLOUG500	349
295559	Term	BUY	ECONOMIC	08/12/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/12/2023	Heavy Load	FP	400	PALOVERDE500	101
297128	LD	BUY	ECONOMIC	08/12/2023	7x16H	FP	-20	MCCULLOUG500	250
297125	RT	SELL	ECONOMIC	08/12/2023	Hourly	FP	180	NAVAJO500	49
293875	Term	BUY	ECONOMIC	08/12/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/12/2023	Heavy Load	FP	400	PALOVERDE500	101
294928	Term	BUY	ECONOMIC	08/12/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/12/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/12/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/12/2023	Heavy Load	FP	800	REDB	107.6
294938	Term	BUY	ECONOMIC	08/12/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/12/2023	7x16H	FP	800	MCCULLOUG500	295
295706	Term	BUY	ECONOMIC	08/12/2023	Heavy Load	FP	800	REDB	119.6
274046	Term	BUY	ECONOMIC	08/13/2023	Hourly	FP	120	MEAD230	41.99
283775	Term	BUY	ECONOMIC	08/13/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/13/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/13/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/13/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/13/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/13/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/13/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/13/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/13/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/13/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/13/2023	7x16H	FP	800	MEAD230	222
293867	Term	BUY	ECONOMIC	08/13/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/13/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/13/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/13/2023	7x 1-6, 15-24	FP	1600	MEAD230	153.65
294396	Term	BUY	ECONOMIC	08/13/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77
294397	Term	BUY	ECONOMIC	08/13/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/13/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/13/2023	7x 1-6, 15-24	FP	800	MEAD230	153.65
295556	Term	BUY	ECONOMIC	08/13/2023	7x 1-6, 15-24	FP	1600	MEAD230	153.65

295557	Term	BUY	ECONOMIC	08/13/2023	7x16H	FP	400	MCCULLOUGH500	250
295558	Term	BUY	ECONOMIC	08/13/2023	7x16H	FP	1200	MCCULLOUGH500	349
295559	Term	BUY	ECONOMIC	08/13/2023	7x16H	FP	400	NAVAJO500	312
297129	LD	BUY	ECONOMIC	08/13/2023	7x16H	FP	-81	MCCULLOUGH500	250
297130	RT	SELL	ECONOMIC	08/13/2023	Hourly	FP	30	NAVAJO500	52
293875	Term	BUY	ECONOMIC	08/13/2023	7x16H	FP	3200	MEAD230	258.4
294928	Term	BUY	ECONOMIC	08/13/2023	7x16H	FP	400	MCCULLOUGH500	155
294931	Term	BUY	ECONOMIC	08/13/2023	7x16H	FP	1600	MCCULLOUGH500	295
294934	Term	BUY	ECONOMIC	08/13/2023	7x16H	FP	400	MEAD230	297
294938	Term	BUY	ECONOMIC	08/13/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/13/2023	7x16H	FP	800	MCCULLOUGH500	295
297133	LD	BUY	ECONOMIC	08/13/2023	7x16H	FP	-125	MEAD230	258.4
297147	LD	BUY	ECONOMIC	08/14/2023	Hourly	FP	-22	MEAD230	170.63
274046	Term	BUY	ECONOMIC	08/14/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/14/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/14/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/14/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/14/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/14/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/14/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/14/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/14/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/14/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/14/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/14/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/14/2023	7x16H	FP	800	MEAD230	222
297140	LD	BUY	ECONOMIC	08/14/2023	7x16H	FP	-40	MEAD230	168
297141	LD	BUY	ECONOMIC	08/14/2023	7x16H	FP	-20	MEAD230	222
297142	LD	BUY	ECONOMIC	08/14/2023	7x16H	FP	-33	MEAD230	203
297143	LD	BUY	ECONOMIC	08/14/2023	7x16H	FP	-20	MEAD230	177.5
297144	LD	BUY	ECONOMIC	08/14/2023	6x8 (Superpeak)	FP	-38	MEAD230	292.94
297145	LD	BUY	ECONOMIC	08/14/2023	7x16H	FP	-20	MEAD230	175
293867	Term	BUY	ECONOMIC	08/14/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/14/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/14/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/14/2023	7x 1-6, 15-24	FP	1600	MEAD230	201.25
294396	Term	BUY	ECONOMIC	08/14/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	383.77
294397	Term	BUY	ECONOMIC	08/14/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/14/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/14/2023	7x 1-6, 15-24	FP	800	MEAD230	201.25
295556	Term	BUY	ECONOMIC	08/14/2023	7x 1-6, 15-24	FP	1600	MEAD230	201.25
295557	Term	BUY	ECONOMIC	08/14/2023	7x16H	FP	400	MCCULLOUGH500	250
295558	Term	BUY	ECONOMIC	08/14/2023	7x16H	FP	1200	MCCULLOUGH500	349
295559	Term	BUY	ECONOMIC	08/14/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/14/2023	Heavy Load	FP	400	PALOVERDE500	146.06
297137	LD	BUY	ECONOMIC	08/14/2023	7x16H	FP	-75	MCCULLOUGH500	250
297139	LD	BUY	ECONOMIC	08/14/2023	7x 1-6, 15-24	FP	-38	MEAD230	295.82
293875	Term	BUY	ECONOMIC	08/14/2023	7x16H	FP	3200	MEAD230	258.4

293876	Term	BUY	ECONOMIC	08/14/2023	Heavy Load	FP	400	PALOVERDE500	146.06
294928	Term	BUY	ECONOMIC	08/14/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/14/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/14/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/14/2023	Heavy Load	FP	800	REDB	156.1
294938	Term	BUY	ECONOMIC	08/14/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/14/2023	7x16H	FP	800	MCCULLOUG500	295
295706	Term	BUY	ECONOMIC	08/14/2023	Heavy Load	FP	800	REDB	168.1
297138	LD	BUY	ECONOMIC	08/14/2023	7x16H	FP	-14	MEAD230	258.4
274046	Term	BUY	ECONOMIC	08/15/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/15/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/15/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/15/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/15/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/15/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/15/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/15/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/15/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/15/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/15/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/15/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/15/2023	7x16H	FP	800	MEAD230	222
297157	LD	BUY	ECONOMIC	08/15/2023	Hourly	FP	-125	MEAD230	344.9
293867	Term	BUY	ECONOMIC	08/15/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/15/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/15/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/15/2023	7x 1-6, 15-24	FP	1600	MEAD230	320.28
294396	Term	BUY	ECONOMIC	08/15/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77
294397	Term	BUY	ECONOMIC	08/15/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/15/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/15/2023	7x 1-6, 15-24	FP	800	MEAD230	320.28
295556	Term	BUY	ECONOMIC	08/15/2023	7x 1-6, 15-24	FP	1600	MEAD230	320.28
295557	Term	BUY	ECONOMIC	08/15/2023	7x16H	FP	400	MCCULLOUG500	250
295558	Term	BUY	ECONOMIC	08/15/2023	7x16H	FP	1200	MCCULLOUG500	349
295559	Term	BUY	ECONOMIC	08/15/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/15/2023	Heavy Load	FP	400	PALOVERDE500	340.86
297135	DA	BUY	ECONOMIC	08/15/2023	Heavy Load	FP	1600	MEAD230	344.9
297154	LD	BUY	ECONOMIC	08/15/2023	7x16H	FP	-74	MCCULLOUG500	250
293875	Term	BUY	ECONOMIC	08/15/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/15/2023	Heavy Load	FP	400	PALOVERDE500	340.86
294928	Term	BUY	ECONOMIC	08/15/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/15/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/15/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/15/2023	Heavy Load	FP	800	REDB	357
294938	Term	BUY	ECONOMIC	08/15/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/15/2023	7x16H	FP	800	MCCULLOUG500	295
295706	Term	BUY	ECONOMIC	08/15/2023	Heavy Load	FP	800	REDB	369
274046	Term	BUY	ECONOMIC	08/16/2023	Hourly	FP	120	MEAD230	41.99

282862	Term	BUY	ECONOMIC	08/16/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/16/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/16/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/16/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/16/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/16/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/16/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/16/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/16/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/16/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/16/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/16/2023	7x16H	FP	800	MEAD230	222
297159	LD	BUY	ECONOMIC	08/16/2023	7x16H	FP	-3	MEAD230	1050
297160	LD	BUY	ECONOMIC	08/16/2023	7x16H	FP	-24	MEAD230	1050
297161	LD	BUY	ECONOMIC	08/16/2023	7x16H	FP	-16	MEAD230	1050
297162	LD	BUY	ECONOMIC	08/16/2023	7x16H	FP	-32	MEAD230	1050
297165	LD	BUY	ECONOMIC	08/16/2023	6x8 (Superpeak)	FP	-25	MEAD230	1050
297166	LD	BUY	ECONOMIC	08/16/2023	Hourly	FP	-8	MEAD230	1050
293867	Term	BUY	ECONOMIC	08/16/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/16/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/16/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/16/2023	7x 1-6, 15-24	FP	1600	MEAD230	423.37
294396	Term	BUY	ECONOMIC	08/16/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77
294397	Term	BUY	ECONOMIC	08/16/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/16/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/16/2023	7x 1-6, 15-24	FP	800	MEAD230	423.37
295556	Term	BUY	ECONOMIC	08/16/2023	7x 1-6, 15-24	FP	1600	MEAD230	423.37
295557	Term	BUY	ECONOMIC	08/16/2023	7x16H	FP	400	MCCULLOUG500	250
295558	Term	BUY	ECONOMIC	08/16/2023	7x16H	FP	1200	MCCULLOUG500	349
295559	Term	BUY	ECONOMIC	08/16/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/16/2023	Heavy Load	FP	400	PALOVERDE500	1033.75
297146	DA	BUY	ECONOMIC	08/16/2023	Heavy Load	FP	800	MEAD230	1050
297148	DA	BUY	ECONOMIC	08/16/2023	Hourly	FP	400	MCCULLOUG500	1000
297149	DA	BUY	ECONOMIC	08/16/2023	Hourly	FP	400	PALOVERDE500	1000
297163	LD	BUY	ECONOMIC	08/16/2023	7x16H	FP	-75	MCCULLOUG500	250
293875	Term	BUY	ECONOMIC	08/16/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/16/2023	Heavy Load	FP	400	PALOVERDE500	1033.75
294928	Term	BUY	ECONOMIC	08/16/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/16/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/16/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/16/2023	Heavy Load	FP	800	REDB	1039
294938	Term	BUY	ECONOMIC	08/16/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/16/2023	7x16H	FP	800	MCCULLOUG500	295
295706	Term	BUY	ECONOMIC	08/16/2023	Heavy Load	FP	800	REDB	1051
297164	LD	BUY	ECONOMIC	08/16/2023	7x16H	FP	-40	MCCULLOUG500	155
274046	Term	BUY	ECONOMIC	08/17/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/17/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/17/2023	7x 1-6, 15-24	FP	1696	REDB	259.33

283776	Term	BUY	ECONOMIC	08/17/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/17/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/17/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/17/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/17/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/17/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/17/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/17/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/17/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/17/2023	7x16H	FP	800	MEAD230	222
297169	LD	BUY	ECONOMIC	08/17/2023	7x16H	FP	-106	MEAD230	203
293867	Term	BUY	ECONOMIC	08/17/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/17/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/17/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/17/2023	7x 1-6, 15-24	FP	1600	MEAD230	197.49
294396	Term	BUY	ECONOMIC	08/17/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77
294397	Term	BUY	ECONOMIC	08/17/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/17/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/17/2023	7x 1-6, 15-24	FP	800	MEAD230	197.49
295556	Term	BUY	ECONOMIC	08/17/2023	7x 1-6, 15-24	FP	1600	MEAD230	197.49
295557	Term	BUY	ECONOMIC	08/17/2023	7x16H	FP	400	MCCULLOUG500	250
295558	Term	BUY	ECONOMIC	08/17/2023	7x16H	FP	1200	MCCULLOUG500	349
295559	Term	BUY	ECONOMIC	08/17/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/17/2023	Heavy Load	FP	400	PALOVERDE500	228.32
297168	LD	BUY	ECONOMIC	08/17/2023	7x16H	FP	-105	MCCULLOUG500	250
297382	LD	BUY	ECONOMIC	08/17/2023	7x16H	FP	-25	MCCULLOUG500	155
293875	Term	BUY	ECONOMIC	08/17/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/17/2023	Heavy Load	FP	400	PALOVERDE500	228.32
294928	Term	BUY	ECONOMIC	08/17/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/17/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/17/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/17/2023	Heavy Load	FP	800	REDB	225.17
294938	Term	BUY	ECONOMIC	08/17/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/17/2023	7x16H	FP	800	MCCULLOUG500	295
295706	Term	BUY	ECONOMIC	08/17/2023	Heavy Load	FP	800	REDB	237.17
297167	DA	SELL	ECONOMIC	08/18/2023	Heavy Load	FP	400	MEAD230	77
274046	Term	BUY	ECONOMIC	08/18/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/18/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/18/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/18/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/18/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/18/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/18/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/18/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/18/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/18/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/18/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/18/2023	7x16H	FP	800	MEAD230	175

284638	Term	BUY	ECONOMIC	08/18/2023	7x16H	FP	800	MEAD230	222
293867	Term	BUY	ECONOMIC	08/18/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/18/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/18/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/18/2023	7x 1-6, 15-24	FP	1600	MEAD230	151.88
294396	Term	BUY	ECONOMIC	08/18/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77
294397	Term	BUY	ECONOMIC	08/18/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/18/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/18/2023	7x 1-6, 15-24	FP	800	MEAD230	151.88
295556	Term	BUY	ECONOMIC	08/18/2023	7x 1-6, 15-24	FP	1600	MEAD230	151.88
295557	Term	BUY	ECONOMIC	08/18/2023	7x16H	FP	400	MCCULLOUG500	250
295558	Term	BUY	ECONOMIC	08/18/2023	7x16H	FP	1200	MCCULLOUG500	349
295559	Term	BUY	ECONOMIC	08/18/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/18/2023	Heavy Load	FP	400	PALOVERDE500	110.8
297129	LD	BUY	ECONOMIC	08/18/2023	7x16H	FP	-44	MCCULLOUG500	250
297177	RT	SELL	ECONOMIC	08/18/2023	Hourly	FP	225	NAVAJO500	55
297178	RT	SELL	ECONOMIC	08/18/2023	Hourly	FP	375	MEAD230	100
297181	RT	SELL	ECONOMIC	08/18/2023	Hourly	FP	450	MEAD230	110
297186	RT	SELL	ECONOMIC	08/18/2023	Hourly	FP	300	NAVAJO500	65
293875	Term	BUY	ECONOMIC	08/18/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/18/2023	Heavy Load	FP	400	PALOVERDE500	110.8
294928	Term	BUY	ECONOMIC	08/18/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/18/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/18/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/18/2023	Heavy Load	FP	800	REDB	118.42
294938	Term	BUY	ECONOMIC	08/18/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/18/2023	7x16H	FP	800	MCCULLOUG500	295
295706	Term	BUY	ECONOMIC	08/18/2023	Heavy Load	FP	800	REDB	130.42
297220	LD	BUY	ECONOMIC	08/18/2023	7x16H	FP	-9	MCCULLOUG500	155
297167	DA	SELL	ECONOMIC	08/19/2023	Heavy Load	FP	400	MEAD230	77
274046	Term	BUY	ECONOMIC	08/19/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/19/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/19/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/19/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/19/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/19/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/19/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/19/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/19/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/19/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/19/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/19/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/19/2023	7x16H	FP	800	MEAD230	222
293867	Term	BUY	ECONOMIC	08/19/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/19/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/19/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/19/2023	7x 1-6, 15-24	FP	1600	MEAD230	143.55
294396	Term	BUY	ECONOMIC	08/19/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77

294397	Term	BUY	ECONOMIC	08/19/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/19/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/19/2023	7x 1-6, 15-24	FP	800	MEAD230	143.55
295556	Term	BUY	ECONOMIC	08/19/2023	7x 1-6, 15-24	FP	1600	MEAD230	143.55
295557	Term	BUY	ECONOMIC	08/19/2023	7x16H	FP	400	MCCULLOUG500	250
295558	Term	BUY	ECONOMIC	08/19/2023	7x16H	FP	1200	MCCULLOUG500	349
295559	Term	BUY	ECONOMIC	08/19/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/19/2023	Heavy Load	FP	400	PALOVERDE500	110.8
297202	LD	BUY	ECONOMIC	08/19/2023	7x16H	FP	-46	MCCULLOUG500	250
297193	RT	SELL	ECONOMIC	08/19/2023	Hourly	FP	135	NAVAJO500	45
297199	RT	SELL	ECONOMIC	08/19/2023	Hourly	FP	100	MEAD230	36
297194	RT	SELL	ECONOMIC	08/19/2023	Hourly	FP	200	NAVAJO500	45
293875	Term	BUY	ECONOMIC	08/19/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/19/2023	Heavy Load	FP	400	PALOVERDE500	110.8
294928	Term	BUY	ECONOMIC	08/19/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/19/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/19/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/19/2023	Heavy Load	FP	800	REDB	118.42
294938	Term	BUY	ECONOMIC	08/19/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/19/2023	7x16H	FP	800	MCCULLOUG500	295
295706	Term	BUY	ECONOMIC	08/19/2023	Heavy Load	FP	800	REDB	130.42
297203	LD	BUY	ECONOMIC	08/19/2023	7x16H	FP	-2	MCCULLOUG500	155
274046	Term	BUY	ECONOMIC	08/20/2023	Hourly	FP	120	MEAD230	41.99
283775	Term	BUY	ECONOMIC	08/20/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/20/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/20/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/20/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/20/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/20/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/20/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/20/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/20/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/20/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/20/2023	7x16H	FP	800	MEAD230	222
293867	Term	BUY	ECONOMIC	08/20/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/20/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/20/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/20/2023	7x 1-6, 15-24	FP	1600	MEAD230	140.64
294396	Term	BUY	ECONOMIC	08/20/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77
294397	Term	BUY	ECONOMIC	08/20/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/20/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/20/2023	7x 1-6, 15-24	FP	800	MEAD230	140.64
295556	Term	BUY	ECONOMIC	08/20/2023	7x 1-6, 15-24	FP	1600	MEAD230	140.64
295557	Term	BUY	ECONOMIC	08/20/2023	7x16H	FP	400	MCCULLOUG500	250
295558	Term	BUY	ECONOMIC	08/20/2023	7x16H	FP	1200	MCCULLOUG500	349
295559	Term	BUY	ECONOMIC	08/20/2023	7x16H	FP	400	NAVAJO500	312
297129	LD	BUY	ECONOMIC	08/20/2023	7x16H	FP	-3	MCCULLOUG500	250
297174	DA	SELL	ECONOMIC	08/20/2023	Light Load	FP	600	MEAD230	50

297175	DA	SELL	ECONOMIC	08/20/2023	Light Load	FP	96	MEAD230	50
297176	DA	SELL	ECONOMIC	08/20/2023	Light Load	FP	600	MEAD230	47.5
297207	RT	SELL	ECONOMIC	08/20/2023	Hourly	FP	550	MEAD230	55
293875	Term	BUY	ECONOMIC	08/20/2023	7x16H	FP	3200	MEAD230	258.4
294928	Term	BUY	ECONOMIC	08/20/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/20/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/20/2023	7x16H	FP	400	MEAD230	297
294938	Term	BUY	ECONOMIC	08/20/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/20/2023	7x16H	FP	800	MCCULLOUG500	295
297204	RT	SELL	ECONOMIC	08/20/2023	Hourly	FP	160	NAVAJO500	40
297170	DA	SELL	ECONOMIC	08/21/2023	Heavy Load	FP	400	MEAD230	65
297171	DA	SELL	ECONOMIC	08/21/2023	Heavy Load	FP	400	MEAD230	66
297172	DA	SELL	ECONOMIC	08/21/2023	Heavy Load	FP	400	MEAD230	66
297173	DA	SELL	ECONOMIC	08/21/2023	Heavy Load	FP	400	MEAD230	66
274046	Term	BUY	ECONOMIC	08/21/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/21/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/21/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/21/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/21/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/21/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/21/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/21/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/21/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/21/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/21/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/21/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/21/2023	7x16H	FP	800	MEAD230	222
297241	LD	BUY	ECONOMIC	08/21/2023	7x 1-6, 15-24	FP	-33	REDB	259.33
293867	Term	BUY	ECONOMIC	08/21/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/21/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/21/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/21/2023	7x 1-6, 15-24	FP	1600	MEAD230	140.95
294396	Term	BUY	ECONOMIC	08/21/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77
294397	Term	BUY	ECONOMIC	08/21/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/21/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/21/2023	7x 1-6, 15-24	FP	800	MEAD230	140.95
295556	Term	BUY	ECONOMIC	08/21/2023	7x 1-6, 15-24	FP	1600	MEAD230	140.95
295557	Term	BUY	ECONOMIC	08/21/2023	7x16H	FP	400	MCCULLOUG500	250
295558	Term	BUY	ECONOMIC	08/21/2023	7x16H	FP	1200	MCCULLOUG500	349
295559	Term	BUY	ECONOMIC	08/21/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/21/2023	Heavy Load	FP	400	PALOVERDE500	99.38
297174	DA	SELL	ECONOMIC	08/21/2023	Light Load	FP	200	MEAD230	50
297175	DA	SELL	ECONOMIC	08/21/2023	Light Load	FP	32	MEAD230	50
297176	DA	SELL	ECONOMIC	08/21/2023	Light Load	FP	200	MEAD230	47.5
297221	RT	SELL	ECONOMIC	08/21/2023	Hourly	FP	575	MEAD230	10
297222	RT	SELL	ECONOMIC	08/21/2023	Hourly	FP	400	MEAD230	8
297223	RT	SELL	ECONOMIC	08/21/2023	Hourly	FP	400	MEAD230	10
297224	RT	SELL	ECONOMIC	08/21/2023	Hourly	FP	750	M345	10

297225	RT	SELL	ECONOMIC	08/21/2023	Hourly	FP	150	MEAD230	15
297226	RT	SELL	ECONOMIC	08/21/2023	Hourly	FP	65	MEAD230	20
297229	RT	SELL	ECONOMIC	08/21/2023	Hourly	FP	25	MEAD230	15
297240	LD	SELL	ECONOMIC	08/21/2023	Hourly	FP	-9	MEAD230	10
293875	Term	BUY	ECONOMIC	08/21/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/21/2023	Heavy Load	FP	400	PALOVERDE500	99.38
294928	Term	BUY	ECONOMIC	08/21/2023	7x16H	FP	400	MCCULLOUGH500	155
294931	Term	BUY	ECONOMIC	08/21/2023	7x16H	FP	1600	MCCULLOUGH500	295
294934	Term	BUY	ECONOMIC	08/21/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/21/2023	Heavy Load	FP	800	REDB	105.57
294938	Term	BUY	ECONOMIC	08/21/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/21/2023	7x16H	FP	800	MCCULLOUGH500	295
295706	Term	BUY	ECONOMIC	08/21/2023	Heavy Load	FP	800	REDB	117.57
297211	RT	SELL	ECONOMIC	08/21/2023	Hourly	FP	42	MEAD230	30
297212	RT	SELL	ECONOMIC	08/21/2023	Hourly	FP	658	MEAD230	30
297213	RT	SELL	ECONOMIC	08/21/2023	Hourly	FP	400	MEAD230	20
297239	LD	SELL	ECONOMIC	08/21/2023	Hourly	FP	-17	MEAD230	20
297234	DA	SELL	ECONOMIC	08/22/2023	Hourly	FP	825	MEAD230	35.67
297235	DA	SELL	ECONOMIC	08/22/2023	Hourly	FP	290	ELDORADO230	39.22
274046	Term	BUY	ECONOMIC	08/22/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/22/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/22/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/22/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/22/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/22/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/22/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/22/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/22/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/22/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/22/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/22/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/22/2023	7x16H	FP	800	MEAD230	222
293867	Term	BUY	ECONOMIC	08/22/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/22/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/22/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/22/2023	7x 1-6, 15-24	FP	1600	MEAD230	138.31
294396	Term	BUY	ECONOMIC	08/22/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	383.77
294397	Term	BUY	ECONOMIC	08/22/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/22/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/22/2023	7x 1-6, 15-24	FP	800	MEAD230	138.31
295556	Term	BUY	ECONOMIC	08/22/2023	7x 1-6, 15-24	FP	1600	MEAD230	138.31
295557	Term	BUY	ECONOMIC	08/22/2023	7x16H	FP	400	MCCULLOUGH500	250
295558	Term	BUY	ECONOMIC	08/22/2023	7x16H	FP	1200	MCCULLOUGH500	349
295559	Term	BUY	ECONOMIC	08/22/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/22/2023	Heavy Load	FP	400	PALOVERDE500	93.5
297218	DA	SELL	ECONOMIC	08/22/2023	Heavy Load	FP	400	MEAD230	65
297219	DA	SELL	ECONOMIC	08/22/2023	Heavy Load	FP	1280	MEAD230	65
293875	Term	BUY	ECONOMIC	08/22/2023	7x16H	FP	3200	MEAD230	258.4

293876	Term	BUY	ECONOMIC	08/22/2023	Heavy Load	FP	400	PALOVERDE500	93.5
294928	Term	BUY	ECONOMIC	08/22/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/22/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/22/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/22/2023	Heavy Load	FP	800	REDB	102.44
294938	Term	BUY	ECONOMIC	08/22/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/22/2023	7x16H	FP	800	MCCULLOUG500	295
295706	Term	BUY	ECONOMIC	08/22/2023	Heavy Load	FP	800	REDB	114.44
297243	LD	BUY	ECONOMIC	08/22/2023	7x16H	FP	-17	MEAD230	258.4
297244	LD	BUY	ECONOMIC	08/22/2023	7x16H	FP	-25	MCCULLOUG500	295
297249	RT	SELL	ECONOMIC	08/23/2023	Hourly	FP	40	MEAD230	45
297252	Opt	BUY	ECONOMIC	08/23/2023	Hourly	FP	10	MCCULLOUG500	100
274046	Term	BUY	ECONOMIC	08/23/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/23/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/23/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/23/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/23/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/23/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/23/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/23/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/23/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/23/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/23/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/23/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/23/2023	7x16H	FP	800	MEAD230	222
293867	Term	BUY	ECONOMIC	08/23/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/23/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/23/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/23/2023	7x 1-6, 15-24	FP	1600	MEAD230	137.74
294396	Term	BUY	ECONOMIC	08/23/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77
294397	Term	BUY	ECONOMIC	08/23/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/23/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/23/2023	7x 1-6, 15-24	FP	800	MEAD230	137.74
295556	Term	BUY	ECONOMIC	08/23/2023	7x 1-6, 15-24	FP	1600	MEAD230	137.74
295557	Term	BUY	ECONOMIC	08/23/2023	7x16H	FP	400	MCCULLOUG500	250
295558	Term	BUY	ECONOMIC	08/23/2023	7x16H	FP	1200	MCCULLOUG500	349
295559	Term	BUY	ECONOMIC	08/23/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/23/2023	Heavy Load	FP	400	PALOVERDE500	96.5
297242	DA	SELL	ECONOMIC	08/23/2023	Heavy Load	FP	1280	MEAD230	67
297384	Cap	BUY	ECONOMIC	08/23/2023	Hourly	SR	40	MCCULLOUG500	35
297245	RT	SELL	ECONOMIC	08/23/2023	Hourly	FP	100	MEAD230	33
293875	Term	BUY	ECONOMIC	08/23/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/23/2023	Heavy Load	FP	400	PALOVERDE500	96.5
294928	Term	BUY	ECONOMIC	08/23/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/23/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/23/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/23/2023	Heavy Load	FP	800	REDB	103.25
294938	Term	BUY	ECONOMIC	08/23/2023	7x16H	FP	400	MEAD230	291.77

295006	Term	BUY	ECONOMIC	08/23/2023	7x16H	FP	800	MCCULLOUGH500	295
295706	Term	BUY	ECONOMIC	08/23/2023	Heavy Load	FP	800	REDB	115.25
297259	RT	SELL	ECONOMIC	08/24/2023	Hourly	FP	50	MEAD230	65
274046	Term	BUY	ECONOMIC	08/24/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/24/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/24/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/24/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/24/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/24/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/24/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/24/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/24/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/24/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/24/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/24/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/24/2023	7x16H	FP	800	MEAD230	222
293867	Term	BUY	ECONOMIC	08/24/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/24/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/24/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/24/2023	7x 1-6, 15-24	FP	1600	MEAD230	136.53
294396	Term	BUY	ECONOMIC	08/24/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	383.77
294397	Term	BUY	ECONOMIC	08/24/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/24/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/24/2023	7x 1-6, 15-24	FP	800	MEAD230	136.53
295556	Term	BUY	ECONOMIC	08/24/2023	7x 1-6, 15-24	FP	1600	MEAD230	136.53
295557	Term	BUY	ECONOMIC	08/24/2023	7x16H	FP	400	MCCULLOUGH500	250
295558	Term	BUY	ECONOMIC	08/24/2023	7x16H	FP	1200	MCCULLOUGH500	349
295559	Term	BUY	ECONOMIC	08/24/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/24/2023	Heavy Load	FP	400	PALOVERDE500	93.75
297246	DA	SELL	ECONOMIC	08/24/2023	Heavy Load	FP	1280	MEAD230	64
297255	RT	SELL	ECONOMIC	08/24/2023	Hourly	FP	350	MEAD230	38
293875	Term	BUY	ECONOMIC	08/24/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/24/2023	Heavy Load	FP	400	PALOVERDE500	93.75
294928	Term	BUY	ECONOMIC	08/24/2023	7x16H	FP	400	MCCULLOUGH500	155
294931	Term	BUY	ECONOMIC	08/24/2023	7x16H	FP	1600	MCCULLOUGH500	295
294934	Term	BUY	ECONOMIC	08/24/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/24/2023	Heavy Load	FP	800	REDB	100.8
294938	Term	BUY	ECONOMIC	08/24/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/24/2023	7x16H	FP	800	MCCULLOUGH500	295
295706	Term	BUY	ECONOMIC	08/24/2023	Heavy Load	FP	800	REDB	112.8
297262	RT	SELL	ECONOMIC	08/25/2023	Hourly	FP	150	MEAD230	38
297266	RT	SELL	ECONOMIC	08/25/2023	Hourly	FP	50	NAVAJO500	40
297267	RT	SELL	ECONOMIC	08/25/2023	Hourly	FP	32	NAVAJO500	40
274046	Term	BUY	ECONOMIC	08/25/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/25/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/25/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/25/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/25/2023	7x16H	FP	400	MEAD230	196

284628	Term	BUY	ECONOMIC	08/25/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/25/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/25/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/25/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/25/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/25/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/25/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/25/2023	7x16H	FP	800	MEAD230	222
293867	Term	BUY	ECONOMIC	08/25/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/25/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/25/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/25/2023	7x 1-6, 15-24	FP	1600	MEAD230	145.19
294396	Term	BUY	ECONOMIC	08/25/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77
294397	Term	BUY	ECONOMIC	08/25/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/25/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/25/2023	7x 1-6, 15-24	FP	800	MEAD230	145.19
295556	Term	BUY	ECONOMIC	08/25/2023	7x 1-6, 15-24	FP	1600	MEAD230	145.19
295557	Term	BUY	ECONOMIC	08/25/2023	7x16H	FP	400	MCCULLOUG500	250
295558	Term	BUY	ECONOMIC	08/25/2023	7x16H	FP	1200	MCCULLOUG500	349
295559	Term	BUY	ECONOMIC	08/25/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/25/2023	Heavy Load	FP	400	PALOVERDE500	99.62
297258	DA	SELL	ECONOMIC	08/25/2023	Heavy Load	FP	1280	MEAD230	64
297277	LD	BUY	ECONOMIC	08/25/2023	7x16H	FP	-52	MCCULLOUG500	250
293875	Term	BUY	ECONOMIC	08/25/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/25/2023	Heavy Load	FP	400	PALOVERDE500	99.62
294928	Term	BUY	ECONOMIC	08/25/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/25/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/25/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/25/2023	Heavy Load	FP	800	REDB	104.13
294938	Term	BUY	ECONOMIC	08/25/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/25/2023	7x16H	FP	800	MCCULLOUG500	295
295706	Term	BUY	ECONOMIC	08/25/2023	Heavy Load	FP	800	REDB	116.13
297271	RT	SELL	ECONOMIC	08/25/2023	Hourly	FP	200	MEAD230	70
297272	RT	SELL	ECONOMIC	08/25/2023	Hourly	FP	60	MEAD230	77
274046	Term	BUY	ECONOMIC	08/26/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/26/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/26/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/26/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/26/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/26/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/26/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/26/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/26/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/26/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/26/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/26/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/26/2023	7x16H	FP	800	MEAD230	222
293867	Term	BUY	ECONOMIC	08/26/2023	7x16H	FP	800	PALOVERDE500	330

293868	Term	BUY	ECONOMIC	08/26/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/26/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/26/2023	7x 1-6, 15-24	FP	1600	MEAD230	144.49
294396	Term	BUY	ECONOMIC	08/26/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77
294397	Term	BUY	ECONOMIC	08/26/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/26/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/26/2023	7x 1-6, 15-24	FP	800	MEAD230	144.49
295556	Term	BUY	ECONOMIC	08/26/2023	7x 1-6, 15-24	FP	1600	MEAD230	144.49
295557	Term	BUY	ECONOMIC	08/26/2023	7x16H	FP	400	MCCULLOUG500	250
295558	Term	BUY	ECONOMIC	08/26/2023	7x16H	FP	1200	MCCULLOUG500	349
295559	Term	BUY	ECONOMIC	08/26/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/26/2023	Heavy Load	FP	400	PALOVERDE500	99.62
297258	DA	SELL	ECONOMIC	08/26/2023	Heavy Load	FP	1280	MEAD230	64
297285	LD	BUY	ECONOMIC	08/26/2023	7x16H	FP	-54	MCCULLOUG500	250
293875	Term	BUY	ECONOMIC	08/26/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/26/2023	Heavy Load	FP	400	PALOVERDE500	99.62
294928	Term	BUY	ECONOMIC	08/26/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/26/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/26/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/26/2023	Heavy Load	FP	800	REDB	104.13
294938	Term	BUY	ECONOMIC	08/26/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/26/2023	7x16H	FP	800	MCCULLOUG500	295
295706	Term	BUY	ECONOMIC	08/26/2023	Heavy Load	FP	800	REDB	116.13
297278	RT	SELL	ECONOMIC	08/26/2023	Hourly	FP	30	NAVAJO500	48
297281	RT	SELL	ECONOMIC	08/26/2023	Hourly	FP	210	NAVAJO500	57
297286	RT	SELL	ECONOMIC	08/27/2023	Hourly	FP	170	NAVAJO500	45
274046	Term	BUY	ECONOMIC	08/27/2023	Hourly	FP	120	MEAD230	41.99
283775	Term	BUY	ECONOMIC	08/27/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/27/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/27/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/27/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/27/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/27/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/27/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/27/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/27/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/27/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/27/2023	7x16H	FP	800	MEAD230	222
293867	Term	BUY	ECONOMIC	08/27/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/27/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/27/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/27/2023	7x 1-6, 15-24	FP	1600	MEAD230	150.76
294396	Term	BUY	ECONOMIC	08/27/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77
294397	Term	BUY	ECONOMIC	08/27/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/27/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/27/2023	7x 1-6, 15-24	FP	800	MEAD230	150.76
295556	Term	BUY	ECONOMIC	08/27/2023	7x 1-6, 15-24	FP	1600	MEAD230	150.76
295557	Term	BUY	ECONOMIC	08/27/2023	7x16H	FP	400	MCCULLOUG500	250

295558	Term	BUY	ECONOMIC	08/27/2023	7x16H	FP	1200	MCCULLOUG500	349
295559	Term	BUY	ECONOMIC	08/27/2023	7x16H	FP	400	NAVAJO500	312
297314	LD	BUY	ECONOMIC	08/27/2023	7x16H	FP	-35	MCCULLOUG500	250
293875	Term	BUY	ECONOMIC	08/27/2023	7x16H	FP	3200	MEAD230	258.4
294928	Term	BUY	ECONOMIC	08/27/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/27/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/27/2023	7x16H	FP	400	MEAD230	297
294938	Term	BUY	ECONOMIC	08/27/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/27/2023	7x16H	FP	800	MCCULLOUG500	295
297290	RT	SELL	ECONOMIC	08/27/2023	Hourly	FP	58	MEAD230	45
297291	RT	SELL	ECONOMIC	08/27/2023	Hourly	FP	156	MEAD230	45
297293	RT	SELL	ECONOMIC	08/27/2023	Hourly	FP	310	NAVAJO500	70
297296	RT	SELL	ECONOMIC	08/27/2023	Hourly	FP	78	MEAD230	52
297297	RT	SELL	ECONOMIC	08/27/2023	Hourly	FP	75	NAVAJO500	60
297299	RT	SELL	ECONOMIC	08/27/2023	Hourly	FP	50	NAVAJO500	90
297300	RT	SELL	ECONOMIC	08/27/2023	Hourly	FP	50	MEAD230	90
297311	RT	SELL	ECONOMIC	08/27/2023	Hourly	FP	50	MEAD230	120
274046	Term	BUY	ECONOMIC	08/28/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/28/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/28/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/28/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/28/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/28/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/28/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/28/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/28/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/28/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/28/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/28/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/28/2023	7x16H	FP	800	MEAD230	222
297318	LD	BUY	ECONOMIC	08/28/2023	6x8 (Superpeak)	FP	-1	MEAD230	292.94
293867	Term	BUY	ECONOMIC	08/28/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/28/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/28/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/28/2023	7x 1-6, 15-24	FP	1600	MEAD230	224.89
294396	Term	BUY	ECONOMIC	08/28/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77
294397	Term	BUY	ECONOMIC	08/28/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/28/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/28/2023	7x 1-6, 15-24	FP	800	MEAD230	224.89
295556	Term	BUY	ECONOMIC	08/28/2023	7x 1-6, 15-24	FP	1600	MEAD230	224.89
295557	Term	BUY	ECONOMIC	08/28/2023	7x16H	FP	400	MCCULLOUG500	250
295558	Term	BUY	ECONOMIC	08/28/2023	7x16H	FP	1200	MCCULLOUG500	349
295559	Term	BUY	ECONOMIC	08/28/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/28/2023	Heavy Load	FP	400	PALOVERDE500	178.67
297263	DA	SELL	ECONOMIC	08/28/2023	Heavy Load	FP	1280	MEAD230	145
297315	LD	BUY	ECONOMIC	08/28/2023	7x16H	FP	-322	MCCULLOUG500	349
297316	LD	BUY	ECONOMIC	08/28/2023	7x16H	FP	-125	MCCULLOUG500	250
293875	Term	BUY	ECONOMIC	08/28/2023	7x16H	FP	3200	MEAD230	258.4

293876	Term	BUY	ECONOMIC	08/28/2023	Heavy Load	FP	400	PALOVERDE500	178.67
294928	Term	BUY	ECONOMIC	08/28/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/28/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/28/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/28/2023	Heavy Load	FP	800	REDB	183.67
294938	Term	BUY	ECONOMIC	08/28/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/28/2023	7x16H	FP	800	MCCULLOUG500	295
295706	Term	BUY	ECONOMIC	08/28/2023	Heavy Load	FP	800	REDB	195.67
297317	LD	BUY	ECONOMIC	08/28/2023	Heavy Load	FP	-2	REDB	195.67
297319	LD	BUY	ECONOMIC	08/28/2023	7x16H	FP	-11	MCCULLOUG500	155
274046	Term	BUY	ECONOMIC	08/29/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/29/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/29/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/29/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/29/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/29/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/29/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/29/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/29/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/29/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/29/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/29/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/29/2023	7x16H	FP	800	MEAD230	222
297322	LD	BUY	ECONOMIC	08/29/2023	7x16H	FP	-50	MEAD230	177.5
297323	LD	BUY	ECONOMIC	08/29/2023	7x16H	FP	-50	MEAD230	167.5
297325	LD	BUY	ECONOMIC	08/29/2023	7x 1-6, 15-24	FP	-1	REDB	259.33
297326	LD	BUY	ECONOMIC	08/29/2023	6x8 (Superpeak)	FP	-60	MEAD230	292.94
293867	Term	BUY	ECONOMIC	08/29/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/29/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/29/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/29/2023	7x 1-6, 15-24	FP	1600	MEAD230	209.58
294396	Term	BUY	ECONOMIC	08/29/2023	7x8 (15-22)	FP	400	MCCULLOUG500	383.77
294397	Term	BUY	ECONOMIC	08/29/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/29/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/29/2023	7x 1-6, 15-24	FP	800	MEAD230	209.58
295556	Term	BUY	ECONOMIC	08/29/2023	7x 1-6, 15-24	FP	1600	MEAD230	209.58
295557	Term	BUY	ECONOMIC	08/29/2023	7x16H	FP	400	MCCULLOUG500	250
295558	Term	BUY	ECONOMIC	08/29/2023	7x16H	FP	1200	MCCULLOUG500	349
295559	Term	BUY	ECONOMIC	08/29/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/29/2023	Heavy Load	FP	400	PALOVERDE500	233.32
297320	LD	BUY	ECONOMIC	08/29/2023	7x16H	FP	-59	MCCULLOUG500	250
293875	Term	BUY	ECONOMIC	08/29/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/29/2023	Heavy Load	FP	400	PALOVERDE500	233.32
294928	Term	BUY	ECONOMIC	08/29/2023	7x16H	FP	400	MCCULLOUG500	155
294931	Term	BUY	ECONOMIC	08/29/2023	7x16H	FP	1600	MCCULLOUG500	295
294934	Term	BUY	ECONOMIC	08/29/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/29/2023	Heavy Load	FP	800	REDB	235.5
294938	Term	BUY	ECONOMIC	08/29/2023	7x16H	FP	400	MEAD230	291.77

295006	Term	BUY	ECONOMIC	08/29/2023	7x16H	FP	800	MCCULLOUGH500	295
295706	Term	BUY	ECONOMIC	08/29/2023	Heavy Load	FP	800	REDB	247.5
297321	LD	BUY	ECONOMIC	08/29/2023	7x16H	FP	-5	MCCULLOUGH500	155
274046	Term	BUY	ECONOMIC	08/30/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/30/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/30/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/30/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/30/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/30/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/30/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/30/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/30/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/30/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/30/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/30/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/30/2023	7x16H	FP	800	MEAD230	222
297328	LD	BUY	ECONOMIC	08/30/2023	7x 1-6, 15-24	FP	-7	REDB	259.33
297332	LD	BUY	ECONOMIC	08/30/2023	7x16H	FP	-2	MEAD230	175
297334	LD	BUY	ECONOMIC	08/30/2023	7x16H	FP	-125	MEAD230	203
297335	LD	BUY	ECONOMIC	08/30/2023	7x16H	FP	-125	MEAD230	200
297336	LD	BUY	ECONOMIC	08/30/2023	7x16H	FP	-125	MEAD230	196
293867	Term	BUY	ECONOMIC	08/30/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/30/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/30/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/30/2023	7x 1-6, 15-24	FP	1600	MEAD230	186.96
294396	Term	BUY	ECONOMIC	08/30/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	383.77
294397	Term	BUY	ECONOMIC	08/30/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/30/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/30/2023	7x 1-6, 15-24	FP	800	MEAD230	186.96
295556	Term	BUY	ECONOMIC	08/30/2023	7x 1-6, 15-24	FP	1600	MEAD230	186.96
295557	Term	BUY	ECONOMIC	08/30/2023	7x16H	FP	400	MCCULLOUGH500	250
295558	Term	BUY	ECONOMIC	08/30/2023	7x16H	FP	1200	MCCULLOUGH500	349
295559	Term	BUY	ECONOMIC	08/30/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/30/2023	Heavy Load	FP	400	PALOVERDE500	141.76
297331	LD	BUY	ECONOMIC	08/30/2023	7x16H	FP	-100	MCCULLOUGH500	250
297333	LD	BUY	ECONOMIC	08/30/2023	7x16H	FP	-65	MEAD230	335
297338	LD	BUY	ECONOMIC	08/30/2023	7x16H	FP	-8	MCCULLOUGH500	349
297339	LD	BUY	ECONOMIC	08/30/2023	7x16H	FP	-15	MEAD230	355.9
297329	RT	SELL	ECONOMIC	08/30/2023	Hourly	FP	50	MEAD230	65
293875	Term	BUY	ECONOMIC	08/30/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/30/2023	Heavy Load	FP	400	PALOVERDE500	141.76
294928	Term	BUY	ECONOMIC	08/30/2023	7x16H	FP	400	MCCULLOUGH500	155
294931	Term	BUY	ECONOMIC	08/30/2023	7x16H	FP	1600	MCCULLOUGH500	295
294934	Term	BUY	ECONOMIC	08/30/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/30/2023	Heavy Load	FP	800	REDB	145.56
294938	Term	BUY	ECONOMIC	08/30/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/30/2023	7x16H	FP	800	MCCULLOUGH500	295
295706	Term	BUY	ECONOMIC	08/30/2023	Heavy Load	FP	800	REDB	157.56

297337	LD	BUY	ECONOMIC	08/30/2023	Heavy Load	FP	-28	REDB	145.56
297340	LD	BUY	ECONOMIC	08/30/2023	7x16H	FP	-12	MCCULLOUGH500	155
274046	Term	BUY	ECONOMIC	08/31/2023	Hourly	FP	120	MEAD230	41.99
282862	Term	BUY	ECONOMIC	08/31/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	08/31/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	08/31/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	08/31/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	08/31/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	08/31/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	08/31/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	08/31/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	08/31/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	08/31/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	08/31/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	08/31/2023	7x16H	FP	800	MEAD230	222
297343	LD	BUY	ECONOMIC	08/31/2023	7x16H	FP	-25	MEAD230	170.63
297345	LD	BUY	ECONOMIC	08/31/2023	7x16H	FP	-25	MEAD230	203
297346	LD	BUY	ECONOMIC	08/31/2023	7x16H	FP	-25	MEAD230	200
293867	Term	BUY	ECONOMIC	08/31/2023	7x16H	FP	800	PALOVERDE500	330
293868	Term	BUY	ECONOMIC	08/31/2023	7x16H	FP	800	MEAD230	335
293872	Term	BUY	ECONOMIC	08/31/2023	7x16H	FP	400	MEAD230	355.9
293873	Term	BUY	ECONOMIC	08/31/2023	7x 1-6, 15-24	FP	1600	MEAD230	138.13
294396	Term	BUY	ECONOMIC	08/31/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	383.77
294397	Term	BUY	ECONOMIC	08/31/2023	7x8 (15-22)	FP	400	PALOVERDE500	383.77
294924	Term	BUY	ECONOMIC	08/31/2023	7x 1-6, 15-24	FP	800	MEAD230	285
294932	Term	BUY	ECONOMIC	08/31/2023	7x 1-6, 15-24	FP	800	MEAD230	138.13
295556	Term	BUY	ECONOMIC	08/31/2023	7x 1-6, 15-24	FP	1600	MEAD230	138.13
295557	Term	BUY	ECONOMIC	08/31/2023	7x16H	FP	400	MCCULLOUGH500	250
295558	Term	BUY	ECONOMIC	08/31/2023	7x16H	FP	1200	MCCULLOUGH500	349
295559	Term	BUY	ECONOMIC	08/31/2023	7x16H	FP	400	NAVAJO500	312
295560	Term	BUY	ECONOMIC	08/31/2023	Heavy Load	FP	400	PALOVERDE500	103.56
297341	LD	BUY	ECONOMIC	08/31/2023	7x16H	FP	-52	MCCULLOUGH500	250
293875	Term	BUY	ECONOMIC	08/31/2023	7x16H	FP	3200	MEAD230	258.4
293876	Term	BUY	ECONOMIC	08/31/2023	Heavy Load	FP	400	PALOVERDE500	103.56
294928	Term	BUY	ECONOMIC	08/31/2023	7x16H	FP	400	MCCULLOUGH500	155
294931	Term	BUY	ECONOMIC	08/31/2023	7x16H	FP	1600	MCCULLOUGH500	295
294934	Term	BUY	ECONOMIC	08/31/2023	7x16H	FP	400	MEAD230	297
294935	Term	BUY	ECONOMIC	08/31/2023	Heavy Load	FP	800	REDB	109.5
294938	Term	BUY	ECONOMIC	08/31/2023	7x16H	FP	400	MEAD230	291.77
295006	Term	BUY	ECONOMIC	08/31/2023	7x16H	FP	800	MCCULLOUGH500	295
295706	Term	BUY	ECONOMIC	08/31/2023	Heavy Load	FP	800	REDB	121.5
297342	LD	BUY	ECONOMIC	08/31/2023	7x16H	FP	-25	MCCULLOUGH500	155
282862	Term	BUY	ECONOMIC	09/01/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/01/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/01/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/01/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/01/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/01/2023	7x16H	FP	400	MEAD230	203

284630	Term	BUY	ECONOMIC	09/01/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/01/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/01/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/01/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/01/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/01/2023	7x16H	FP	800	MEAD230	222
297350	LD	BUY	ECONOMIC	09/01/2023	7x16H	FP	-19	MEAD230	203
294398	Term	BUY	ECONOMIC	09/01/2023	7x8 (15-22)	FP	400	MCCULLOUG500	324.42
294399	Term	BUY	ECONOMIC	09/01/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/01/2023	7x 1-6, 15-24	FP	1600	MEAD230	131.13
296158	Term	BUY	ECONOMIC	09/01/2023	7x16H	FP	800	MEAD230	230
294928	Term	BUY	ECONOMIC	09/01/2023	7x16H	FP	400	MCCULLOUG500	155
297351	LD	BUY	ECONOMIC	09/01/2023	7x16H	FP	-15	MCCULLOUG500	155
297344	RT	SELL	ECONOMIC	09/01/2023	Hourly	FP	360	NAVAJO500	46
297352	RT	SELL	ECONOMIC	09/02/2023	Hourly	FP	50	MEAD230	36
282862	Term	BUY	ECONOMIC	09/02/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/02/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/02/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/02/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/02/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/02/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/02/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/02/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/02/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/02/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/02/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/02/2023	7x16H	FP	800	MEAD230	222
294398	Term	BUY	ECONOMIC	09/02/2023	7x8 (15-22)	FP	400	MCCULLOUG500	324.42
294399	Term	BUY	ECONOMIC	09/02/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/02/2023	7x 1-6, 15-24	FP	1600	MEAD230	128.46
296158	Term	BUY	ECONOMIC	09/02/2023	7x16H	FP	800	MEAD230	230
294928	Term	BUY	ECONOMIC	09/02/2023	7x16H	FP	400	MCCULLOUG500	155
283775	Term	BUY	ECONOMIC	09/03/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/03/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/03/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/03/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/03/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/03/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/03/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/03/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/03/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/03/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/03/2023	7x16H	FP	800	MEAD230	222
297355	LD	BUY	ECONOMIC	09/03/2023	7x16H	FP	-30	MEAD230	203
294398	Term	BUY	ECONOMIC	09/03/2023	7x8 (15-22)	FP	400	MCCULLOUG500	324.42
294399	Term	BUY	ECONOMIC	09/03/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/03/2023	7x 1-6, 15-24	FP	1600	MEAD230	120.27
296158	Term	BUY	ECONOMIC	09/03/2023	7x16H	FP	800	MEAD230	230

294928	Term	BUY	ECONOMIC	09/03/2023	7x16H	FP	400	MCCULLOUGH500	155
283775	Term	BUY	ECONOMIC	09/04/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/04/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/04/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/04/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/04/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/04/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/04/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/04/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/04/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/04/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/04/2023	7x16H	FP	800	MEAD230	222
297356	LD	BUY	ECONOMIC	09/04/2023	7x16H	FP	-29	MEAD230	203
294398	Term	BUY	ECONOMIC	09/04/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	324.42
294399	Term	BUY	ECONOMIC	09/04/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/04/2023	7x 1-6, 15-24	FP	1600	MEAD230	120.87
296158	Term	BUY	ECONOMIC	09/04/2023	7x16H	FP	800	MEAD230	230
294928	Term	BUY	ECONOMIC	09/04/2023	7x16H	FP	400	MCCULLOUGH500	155
297357	RT	SELL	ECONOMIC	09/05/2023	Hourly	FP	1000	MEAD230	30
282862	Term	BUY	ECONOMIC	09/05/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/05/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/05/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/05/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/05/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/05/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/05/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/05/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/05/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/05/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/05/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/05/2023	7x16H	FP	800	MEAD230	222
294398	Term	BUY	ECONOMIC	09/05/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	324.42
294399	Term	BUY	ECONOMIC	09/05/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/05/2023	7x 1-6, 15-24	FP	1600	MEAD230	128.73
296158	Term	BUY	ECONOMIC	09/05/2023	7x16H	FP	800	MEAD230	230
294928	Term	BUY	ECONOMIC	09/05/2023	7x16H	FP	400	MCCULLOUGH500	155
297360	RT	SELL	ECONOMIC	09/05/2023	Hourly	FP	300	MEAD230	35
282862	Term	BUY	ECONOMIC	09/06/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/06/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/06/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/06/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/06/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/06/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/06/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/06/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/06/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/06/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/06/2023	7x16H	FP	800	MEAD230	175

284638	Term	BUY	ECONOMIC	09/06/2023	7x16H	FP	800	MEAD230	222
294398	Term	BUY	ECONOMIC	09/06/2023	7x8 (15-22)	FP	400	MCCULLOUG500	324.42
294399	Term	BUY	ECONOMIC	09/06/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/06/2023	7x 1-6, 15-24	FP	1600	MEAD230	131.16
296158	Term	BUY	ECONOMIC	09/06/2023	7x16H	FP	800	MEAD230	230
294928	Term	BUY	ECONOMIC	09/06/2023	7x16H	FP	400	MCCULLOUG500	155
282862	Term	BUY	ECONOMIC	09/07/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/07/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/07/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/07/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/07/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/07/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/07/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/07/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/07/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/07/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/07/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/07/2023	7x16H	FP	800	MEAD230	222
294398	Term	BUY	ECONOMIC	09/07/2023	7x8 (15-22)	FP	400	MCCULLOUG500	324.42
294399	Term	BUY	ECONOMIC	09/07/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/07/2023	7x 1-6, 15-24	FP	1600	MEAD230	136.32
296158	Term	BUY	ECONOMIC	09/07/2023	7x16H	FP	800	MEAD230	230
294928	Term	BUY	ECONOMIC	09/07/2023	7x16H	FP	400	MCCULLOUG500	155
297366	RT	SELL	ECONOMIC	09/07/2023	Hourly	FP	126	MEAD230	46
297367	RT	SELL	ECONOMIC	09/07/2023	Hourly	FP	74	MEAD230	46
297590	RT	BUY	ECONOMIC	09/08/2023	Hourly	FP	60	MCCULLOUG500	28.54
297697	LD	BUY	ECONOMIC	09/08/2023	Hourly	FP	-13	MEAD230	203
297371	RT	SELL	ECONOMIC	09/08/2023	Hourly	FP	325	NAVAJO500	45
297377	RT	SELL	ECONOMIC	09/08/2023	Hourly	FP	150	MEAD230	55
297386	RT	SELL	ECONOMIC	09/08/2023	Hourly	FP	50	MEAD230	105
282862	Term	BUY	ECONOMIC	09/08/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/08/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/08/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/08/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/08/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/08/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/08/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/08/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/08/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/08/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/08/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/08/2023	7x16H	FP	800	MEAD230	222
297390	LD	BUY	ECONOMIC	09/08/2023	7x16H	FP	-3	MEAD230	175
294398	Term	BUY	ECONOMIC	09/08/2023	7x8 (15-22)	FP	400	MCCULLOUG500	324.42
294399	Term	BUY	ECONOMIC	09/08/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/08/2023	7x 1-6, 15-24	FP	1600	MEAD230	145.48
296158	Term	BUY	ECONOMIC	09/08/2023	7x16H	FP	800	MEAD230	230
297364	DA	SELL	ECONOMIC	09/08/2023	Hourly	FP	291	NORTHSYS	38

294928	Term	BUY	ECONOMIC	09/08/2023	7x16H	FP	400	MCCULLOUGH500	155
297385	LD	BUY	ECONOMIC	09/08/2023	7x16H	FP	-112	MCCULLOUGH500	155
297697	LD	BUY	ECONOMIC	09/09/2023	Hourly	FP	-8	MEAD230	203
297391	RT	SELL	ECONOMIC	09/09/2023	Hourly	FP	100	M345	36
297393	RT	SELL	ECONOMIC	09/09/2023	Hourly	FP	100	MEAD230	40
282862	Term	BUY	ECONOMIC	09/09/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/09/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/09/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/09/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/09/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/09/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/09/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/09/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/09/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/09/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/09/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/09/2023	7x16H	FP	800	MEAD230	222
297397	LD	BUY	ECONOMIC	09/09/2023	7x16H	FP	-2	MEAD230	175
294398	Term	BUY	ECONOMIC	09/09/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	324.42
294399	Term	BUY	ECONOMIC	09/09/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/09/2023	7x 1-6, 15-24	FP	1600	MEAD230	145.25
296158	Term	BUY	ECONOMIC	09/09/2023	7x16H	FP	800	MEAD230	230
297365	DA	SELL	ECONOMIC	09/09/2023	Hourly	FP	235	NORTHSYS	38
294928	Term	BUY	ECONOMIC	09/09/2023	7x16H	FP	400	MCCULLOUGH500	155
297396	LD	BUY	ECONOMIC	09/09/2023	7x16H	FP	-25	MCCULLOUGH500	155
297398	RT	SELL	ECONOMIC	09/10/2023	Hourly	FP	100	MEAD230	110
297399	RT	SELL	ECONOMIC	09/10/2023	Hourly	FP	280	NAVAJO500	80
283775	Term	BUY	ECONOMIC	09/10/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/10/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/10/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/10/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/10/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/10/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/10/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/10/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/10/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/10/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/10/2023	7x16H	FP	800	MEAD230	222
294398	Term	BUY	ECONOMIC	09/10/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	324.42
294399	Term	BUY	ECONOMIC	09/10/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/10/2023	7x 1-6, 15-24	FP	1600	MEAD230	150.83
296158	Term	BUY	ECONOMIC	09/10/2023	7x16H	FP	800	MEAD230	230
294928	Term	BUY	ECONOMIC	09/10/2023	7x16H	FP	400	MCCULLOUGH500	155
282862	Term	BUY	ECONOMIC	09/11/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/11/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/11/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/11/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/11/2023	7x16H	FP	400	MEAD230	200

284629	Term	BUY	ECONOMIC	09/11/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/11/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/11/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/11/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/11/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/11/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/11/2023	7x16H	FP	800	MEAD230	222
294398	Term	BUY	ECONOMIC	09/11/2023	7x8 (15-22)	FP	400	MCCULLOUG500	324.42
294399	Term	BUY	ECONOMIC	09/11/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/11/2023	7x 1-6, 15-24	FP	1600	MEAD230	151.42
296158	Term	BUY	ECONOMIC	09/11/2023	7x16H	FP	800	MEAD230	230
297372	DA	SELL	ECONOMIC	09/11/2023	Heavy Load	FP	400	MEAD230	84
297405	LD	BUY	ECONOMIC	09/11/2023	7x8 (15-22)	FP	-2	PALOVERDE500	324.42
297406	LD	BUY	ECONOMIC	09/11/2023	7x8 (15-22)	FP	-2	MCCULLOUG500	324.42
294928	Term	BUY	ECONOMIC	09/11/2023	7x16H	FP	400	MCCULLOUG500	155
297404	LD	BUY	ECONOMIC	09/11/2023	7x16H	FP	-22	MCCULLOUG500	155
282862	Term	BUY	ECONOMIC	09/12/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/12/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/12/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/12/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/12/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/12/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/12/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/12/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/12/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/12/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/12/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/12/2023	7x16H	FP	800	MEAD230	222
294398	Term	BUY	ECONOMIC	09/12/2023	7x8 (15-22)	FP	400	MCCULLOUG500	324.42
294399	Term	BUY	ECONOMIC	09/12/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/12/2023	7x 1-6, 15-24	FP	1600	MEAD230	139.93
296158	Term	BUY	ECONOMIC	09/12/2023	7x16H	FP	800	MEAD230	230
294928	Term	BUY	ECONOMIC	09/12/2023	7x16H	FP	400	MCCULLOUG500	155
297408	Opt	BUY	ECONOMIC	09/13/2023	Hourly	FP	3	MCCULLOUG500	100
297409	Cap	BUY	ECONOMIC	09/13/2023	Hourly	SR	10	MCCULLOUG500	15
282862	Term	BUY	ECONOMIC	09/13/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/13/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/13/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/13/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/13/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/13/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/13/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/13/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/13/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/13/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/13/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/13/2023	7x16H	FP	800	MEAD230	222
294398	Term	BUY	ECONOMIC	09/13/2023	7x8 (15-22)	FP	400	MCCULLOUG500	324.42

294399	Term	BUY	ECONOMIC	09/13/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/13/2023	7x 1-6, 15-24	FP	1600	MEAD230	135.03
296158	Term	BUY	ECONOMIC	09/13/2023	7x16H	FP	800	MEAD230	230
294928	Term	BUY	ECONOMIC	09/13/2023	7x16H	FP	400	MCCULLOUG500	155
282862	Term	BUY	ECONOMIC	09/14/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/14/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/14/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/14/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/14/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/14/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/14/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/14/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/14/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/14/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/14/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/14/2023	7x16H	FP	800	MEAD230	222
294398	Term	BUY	ECONOMIC	09/14/2023	7x8 (15-22)	FP	400	MCCULLOUG500	324.42
294399	Term	BUY	ECONOMIC	09/14/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/14/2023	7x 1-6, 15-24	FP	1600	MEAD230	142.09
296158	Term	BUY	ECONOMIC	09/14/2023	7x16H	FP	800	MEAD230	230
294928	Term	BUY	ECONOMIC	09/14/2023	7x16H	FP	400	MCCULLOUG500	155
297412	RT	SELL	ECONOMIC	09/15/2023	Hourly	FP	600	MEAD230	40
297416	LD	SELL	ECONOMIC	09/15/2023	Hourly	FP	-22	MEAD230	40
282862	Term	BUY	ECONOMIC	09/15/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/15/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/15/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/15/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/15/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/15/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/15/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/15/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/15/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/15/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/15/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/15/2023	7x16H	FP	800	MEAD230	222
294398	Term	BUY	ECONOMIC	09/15/2023	7x8 (15-22)	FP	400	MCCULLOUG500	324.42
294399	Term	BUY	ECONOMIC	09/15/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/15/2023	7x 1-6, 15-24	FP	1600	MEAD230	143.88
296158	Term	BUY	ECONOMIC	09/15/2023	7x16H	FP	800	MEAD230	230
297415	RT	SELL	ECONOMIC	09/15/2023	Hourly	FP	750	MEAD230	40
294928	Term	BUY	ECONOMIC	09/15/2023	7x16H	FP	400	MCCULLOUG500	155
282862	Term	BUY	ECONOMIC	09/16/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/16/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/16/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/16/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/16/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/16/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/16/2023	7x16H	FP	1600	MEAD230	168

284631	Term	BUY	ECONOMIC	09/16/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/16/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/16/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/16/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/16/2023	7x16H	FP	800	MEAD230	222
294398	Term	BUY	ECONOMIC	09/16/2023	7x8 (15-22)	FP	400	MCCULLOUG500	324.42
294399	Term	BUY	ECONOMIC	09/16/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/16/2023	7x 1-6, 15-24	FP	1600	MEAD230	136.82
296158	Term	BUY	ECONOMIC	09/16/2023	7x16H	FP	800	MEAD230	230
294928	Term	BUY	ECONOMIC	09/16/2023	7x16H	FP	400	MCCULLOUG500	155
297419	RT	SELL	ECONOMIC	09/16/2023	Hourly	FP	450	MEAD230	40
283775	Term	BUY	ECONOMIC	09/17/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/17/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/17/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/17/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/17/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/17/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/17/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/17/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/17/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/17/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/17/2023	7x16H	FP	800	MEAD230	222
294398	Term	BUY	ECONOMIC	09/17/2023	7x8 (15-22)	FP	400	MCCULLOUG500	324.42
294399	Term	BUY	ECONOMIC	09/17/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/17/2023	7x 1-6, 15-24	FP	1600	MEAD230	131.15
296158	Term	BUY	ECONOMIC	09/17/2023	7x16H	FP	800	MEAD230	230
294928	Term	BUY	ECONOMIC	09/17/2023	7x16H	FP	400	MCCULLOUG500	155
297423	RT	SELL	ECONOMIC	09/17/2023	Hourly	FP	150	MEAD230	60
297424	RT	SELL	ECONOMIC	09/17/2023	Hourly	FP	100	REDB	64
297428	RT	SELL	ECONOMIC	09/18/2023	Hourly	FP	40	MEAD230	35
282862	Term	BUY	ECONOMIC	09/18/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/18/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/18/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/18/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/18/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/18/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/18/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/18/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/18/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/18/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/18/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/18/2023	7x16H	FP	800	MEAD230	222
294398	Term	BUY	ECONOMIC	09/18/2023	7x8 (15-22)	FP	400	MCCULLOUG500	324.42
294399	Term	BUY	ECONOMIC	09/18/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/18/2023	7x 1-6, 15-24	FP	1600	MEAD230	130.09
296158	Term	BUY	ECONOMIC	09/18/2023	7x16H	FP	800	MEAD230	230
297430	RT	SELL	ECONOMIC	09/18/2023	Hourly	FP	16	MEAD230	65
294928	Term	BUY	ECONOMIC	09/18/2023	7x16H	FP	400	MCCULLOUG500	155

282862	Term	BUY	ECONOMIC	09/19/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/19/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/19/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/19/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/19/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/19/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/19/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/19/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/19/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/19/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/19/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/19/2023	7x16H	FP	800	MEAD230	222
297436	LD	BUY	ECONOMIC	09/19/2023	7x16H	FP	-25	MEAD230	168
297437	Term	BUY	ECONOMIC	09/19/2023	7x16H	FP	-18	MEAD230	175
294398	Term	BUY	ECONOMIC	09/19/2023	7x8 (15-22)	FP	400	MCCULLOUG500	324.42
294399	Term	BUY	ECONOMIC	09/19/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/19/2023	7x 1-6, 15-24	FP	1600	MEAD230	130.12
296158	Term	BUY	ECONOMIC	09/19/2023	7x16H	FP	800	MEAD230	230
297432	RT	SELL	ECONOMIC	09/19/2023	Hourly	FP	20	MEAD230	45
294928	Term	BUY	ECONOMIC	09/19/2023	7x16H	FP	400	MCCULLOUG500	155
297438	Cap	BUY	ECONOMIC	09/20/2023	Hourly	SR	50	MCCULLOUG500	25
297439	Opt	BUY	ECONOMIC	09/20/2023	Hourly	FP	13	MCCULLOUG500	100
282862	Term	BUY	ECONOMIC	09/20/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/20/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/20/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/20/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/20/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/20/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/20/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/20/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/20/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/20/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/20/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/20/2023	7x16H	FP	800	MEAD230	222
294398	Term	BUY	ECONOMIC	09/20/2023	7x8 (15-22)	FP	400	MCCULLOUG500	324.42
294399	Term	BUY	ECONOMIC	09/20/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/20/2023	7x 1-6, 15-24	FP	1600	MEAD230	126.37
296158	Term	BUY	ECONOMIC	09/20/2023	7x16H	FP	800	MEAD230	230
294928	Term	BUY	ECONOMIC	09/20/2023	7x16H	FP	400	MCCULLOUG500	155
297448	RT	SELL	ECONOMIC	09/21/2023	Hourly	FP	200	MEAD230	35
297453	RT	SELL	ECONOMIC	09/21/2023	Hourly	FP	80	NAVAJO500	65
282862	Term	BUY	ECONOMIC	09/21/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/21/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/21/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/21/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/21/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/21/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/21/2023	7x16H	FP	1600	MEAD230	168

284631	Term	BUY	ECONOMIC	09/21/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/21/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/21/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/21/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/21/2023	7x16H	FP	800	MEAD230	222
294398	Term	BUY	ECONOMIC	09/21/2023	7x8 (15-22)	FP	400	MCCULLOUG500	324.42
294399	Term	BUY	ECONOMIC	09/21/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/21/2023	7x 1-6, 15-24	FP	1600	MEAD230	127.59
296158	Term	BUY	ECONOMIC	09/21/2023	7x16H	FP	800	MEAD230	230
297441	RT	SELL	ECONOMIC	09/21/2023	Hourly	FP	300	NAVAJO500	40
294928	Term	BUY	ECONOMIC	09/21/2023	7x16H	FP	400	MCCULLOUG500	155
297468	RT	SELL	ECONOMIC	09/22/2023	Hourly	FP	300	MEAD230	35
297470	RT	SELL	ECONOMIC	09/22/2023	Hourly	FP	200	MEAD230	65
297447	DA	SELL	ECONOMIC	09/22/2023	Heavy Load	FP	1200	MEAD230	42
297449	DA	SELL	ECONOMIC	09/22/2023	Light Load	FP	200	MEAD230	40
297450	DA	SELL	ECONOMIC	09/22/2023	Light Load	FP	200	MEAD230	40
282862	Term	BUY	ECONOMIC	09/22/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/22/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/22/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/22/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/22/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/22/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/22/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/22/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/22/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/22/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/22/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/22/2023	7x16H	FP	800	MEAD230	222
294398	Term	BUY	ECONOMIC	09/22/2023	7x8 (15-22)	FP	400	MCCULLOUG500	324.42
294399	Term	BUY	ECONOMIC	09/22/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/22/2023	7x 1-6, 15-24	FP	1600	MEAD230	132.1
296158	Term	BUY	ECONOMIC	09/22/2023	7x16H	FP	800	MEAD230	230
297445	DA	SELL	ECONOMIC	09/22/2023	Heavy Load	FP	800	MEAD230	40
297446	DA	SELL	ECONOMIC	09/22/2023	Heavy Load	FP	400	MEAD230	39
294928	Term	BUY	ECONOMIC	09/22/2023	7x16H	FP	400	MCCULLOUG500	155
297456	RT	SELL	ECONOMIC	09/22/2023	Hourly	FP	100	MEAD230	40
297473	RT	SELL	ECONOMIC	09/23/2023	Hourly	FP	150	MEAD230	35
297474	RT	SELL	ECONOMIC	09/23/2023	Hourly	FP	100	MEAD230	35
297447	DA	SELL	ECONOMIC	09/23/2023	Heavy Load	FP	1200	MEAD230	42
297449	DA	SELL	ECONOMIC	09/23/2023	Light Load	FP	200	MEAD230	40
297450	DA	SELL	ECONOMIC	09/23/2023	Light Load	FP	200	MEAD230	40
282862	Term	BUY	ECONOMIC	09/23/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/23/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/23/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/23/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/23/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/23/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/23/2023	7x16H	FP	1600	MEAD230	168

284631	Term	BUY	ECONOMIC	09/23/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/23/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/23/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/23/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/23/2023	7x16H	FP	800	MEAD230	222
294398	Term	BUY	ECONOMIC	09/23/2023	7x8 (15-22)	FP	400	MCCULLOUG500	324.42
294399	Term	BUY	ECONOMIC	09/23/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/23/2023	7x 1-6, 15-24	FP	1600	MEAD230	123.36
296158	Term	BUY	ECONOMIC	09/23/2023	7x16H	FP	800	MEAD230	230
297445	DA	SELL	ECONOMIC	09/23/2023	Heavy Load	FP	800	MEAD230	40
297446	DA	SELL	ECONOMIC	09/23/2023	Heavy Load	FP	400	MEAD230	39
294928	Term	BUY	ECONOMIC	09/23/2023	7x16H	FP	400	MCCULLOUG500	155
297460	DA	SELL	ECONOMIC	09/24/2023	Light Load NERC	FP	1200	MEAD230	37.5
297461	DA	SELL	ECONOMIC	09/24/2023	7x16H	FP	800	MEAD230	40
297465	DA	SELL	ECONOMIC	09/24/2023	7x16H	FP	720	MEAD230	35
283775	Term	BUY	ECONOMIC	09/24/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/24/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/24/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/24/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/24/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/24/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/24/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/24/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/24/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/24/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/24/2023	7x16H	FP	800	MEAD230	222
294398	Term	BUY	ECONOMIC	09/24/2023	7x8 (15-22)	FP	400	MCCULLOUG500	324.42
294399	Term	BUY	ECONOMIC	09/24/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/24/2023	7x 1-6, 15-24	FP	1600	MEAD230	126.04
296158	Term	BUY	ECONOMIC	09/24/2023	7x16H	FP	800	MEAD230	230
294928	Term	BUY	ECONOMIC	09/24/2023	7x16H	FP	400	MCCULLOUG500	155
297460	DA	SELL	ECONOMIC	09/25/2023	Light Load NERC	FP	400	MEAD230	37.5
297462	DA	SELL	ECONOMIC	09/25/2023	7x16H	FP	800	MEAD230	45
297463	DA	SELL	ECONOMIC	09/25/2023	7x16H	FP	800	MEAD230	45
297464	DA	SELL	ECONOMIC	09/25/2023	7x16H	FP	400	MEAD230	45
297485	RT	SELL	ECONOMIC	09/25/2023	Hourly	FP	500	MEAD230	25
282862	Term	BUY	ECONOMIC	09/25/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/25/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/25/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/25/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/25/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/25/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/25/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/25/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/25/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/25/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/25/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/25/2023	7x16H	FP	800	MEAD230	222

294398	Term	BUY	ECONOMIC	09/25/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	324.42
294399	Term	BUY	ECONOMIC	09/25/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/25/2023	7x 1-6, 15-24	FP	1600	MEAD230	131.98
296158	Term	BUY	ECONOMIC	09/25/2023	7x16H	FP	800	MEAD230	230
297459	DA	SELL	ECONOMIC	09/25/2023	Heavy Load	FP	400	MEAD230	47
294928	Term	BUY	ECONOMIC	09/25/2023	7x16H	FP	400	MCCULLOUGH500	155
297477	RT	SELL	ECONOMIC	09/25/2023	Hourly	FP	240	MEAD230	35
282862	Term	BUY	ECONOMIC	09/26/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/26/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/26/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/26/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/26/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/26/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/26/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/26/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/26/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/26/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/26/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/26/2023	7x16H	FP	800	MEAD230	222
294398	Term	BUY	ECONOMIC	09/26/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	324.42
294399	Term	BUY	ECONOMIC	09/26/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/26/2023	7x 1-6, 15-24	FP	1600	MEAD230	133.84
296158	Term	BUY	ECONOMIC	09/26/2023	7x16H	FP	800	MEAD230	230
297480	DA	SELL	ECONOMIC	09/26/2023	Heavy Load	FP	400	MEAD230	47.5
297481	DA	SELL	ECONOMIC	09/26/2023	Heavy Load	FP	800	MEAD230	50
297482	DA	SELL	ECONOMIC	09/26/2023	Heavy Load	FP	400	MEAD230	50
297483	DA	SELL	ECONOMIC	09/26/2023	Heavy Load	FP	1200	MEAD230	49.5
297484	DA	SELL	ECONOMIC	09/26/2023	Heavy Load	FP	400	MEAD230	51
294928	Term	BUY	ECONOMIC	09/26/2023	7x16H	FP	400	MCCULLOUGH500	155
282862	Term	BUY	ECONOMIC	09/27/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/27/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/27/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/27/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/27/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/27/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/27/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/27/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/27/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/27/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/27/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/27/2023	7x16H	FP	800	MEAD230	222
294398	Term	BUY	ECONOMIC	09/27/2023	7x8 (15-22)	FP	400	MCCULLOUGH500	324.42
294399	Term	BUY	ECONOMIC	09/27/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/27/2023	7x 1-6, 15-24	FP	1600	MEAD230	130.32
296158	Term	BUY	ECONOMIC	09/27/2023	7x16H	FP	800	MEAD230	230
297492	DA	SELL	ECONOMIC	09/27/2023	Heavy Load	FP	1200	MEAD230	42
297493	DA	SELL	ECONOMIC	09/27/2023	Heavy Load	FP	400	MEAD230	42
297494	DA	SELL	ECONOMIC	09/27/2023	Heavy Load	FP	400	MEAD230	43

297495	DA	SELL	ECONOMIC	09/27/2023	Heavy Load	FP	400	MEAD230	42
297499	RT	SELL	ECONOMIC	09/27/2023	Hourly	FP	200	M345	34
297502	RT	SELL	ECONOMIC	09/27/2023	Hourly	FP	50	M345	34
294928	Term	BUY	ECONOMIC	09/27/2023	7x16H	FP	400	MCCULLOUG500	155
297505	RT	SELL	ECONOMIC	09/28/2023	Hourly	FP	300	M345	33
297497	DA	SELL	ECONOMIC	09/28/2023	Heavy Load	FP	400	MEAD230	42
297498	DA	SELL	ECONOMIC	09/28/2023	Heavy Load	FP	1200	MEAD230	42
297515	RT	SELL	ECONOMIC	09/28/2023	Hourly	FP	100	HILLTOP345	26
297517	RT	SELL	ECONOMIC	09/28/2023	Hourly	FP	40	MEAD230	40
282862	Term	BUY	ECONOMIC	09/28/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/28/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/28/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/28/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/28/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/28/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/28/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/28/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/28/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/28/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/28/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/28/2023	7x16H	FP	800	MEAD230	222
294398	Term	BUY	ECONOMIC	09/28/2023	7x8 (15-22)	FP	400	MCCULLOUG500	324.42
294399	Term	BUY	ECONOMIC	09/28/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/28/2023	7x 1-6, 15-24	FP	1600	MEAD230	127.34
296158	Term	BUY	ECONOMIC	09/28/2023	7x16H	FP	800	MEAD230	230
297496	DA	SELL	ECONOMIC	09/28/2023	Heavy Load	FP	400	MEAD230	43
294928	Term	BUY	ECONOMIC	09/28/2023	7x16H	FP	400	MCCULLOUG500	155
297520	RT	SELL	ECONOMIC	09/29/2023	Hourly	FP	450	MEAD230	40
297509	DA	SELL	ECONOMIC	09/29/2023	Heavy Load	FP	800	MEAD230	40
297510	DA	SELL	ECONOMIC	09/29/2023	Heavy Load	FP	1200	MEAD230	39
297511	DA	SELL	ECONOMIC	09/29/2023	Heavy Load	FP	400	MEAD230	39
297512	DA	SELL	ECONOMIC	09/29/2023	Heavy Load	FP	400	MEAD230	38.75
282862	Term	BUY	ECONOMIC	09/29/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/29/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/29/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/29/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/29/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/29/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/29/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/29/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/29/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/29/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/29/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/29/2023	7x16H	FP	800	MEAD230	222
294398	Term	BUY	ECONOMIC	09/29/2023	7x8 (15-22)	FP	400	MCCULLOUG500	324.42
294399	Term	BUY	ECONOMIC	09/29/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/29/2023	7x 1-6, 15-24	FP	1600	MEAD230	123.58
296158	Term	BUY	ECONOMIC	09/29/2023	7x16H	FP	800	MEAD230	230

297508	DA	SELL	ECONOMIC	09/29/2023	Heavy Load	FP	400	MEAD230	38
297513	DA	SELL	ECONOMIC	09/29/2023	Heavy Load	FP	400	MEAD230	37.5
297514	DA	SELL	ECONOMIC	09/29/2023	Heavy Load	FP	400	MEAD230	37.5
297527	RT	SELL	ECONOMIC	09/29/2023	Hourly	FP	200	MEAD230	40
294928	Term	BUY	ECONOMIC	09/29/2023	7x16H	FP	400	MCCULLOUG500	155
297509	DA	SELL	ECONOMIC	09/30/2023	Heavy Load	FP	800	MEAD230	40
297510	DA	SELL	ECONOMIC	09/30/2023	Heavy Load	FP	1200	MEAD230	39
297511	DA	SELL	ECONOMIC	09/30/2023	Heavy Load	FP	400	MEAD230	39
297512	DA	SELL	ECONOMIC	09/30/2023	Heavy Load	FP	400	MEAD230	38.75
282862	Term	BUY	ECONOMIC	09/30/2023	6x8 (Superpeak)	FP	800	MEAD230	292.94
283775	Term	BUY	ECONOMIC	09/30/2023	7x 1-6, 15-24	FP	1696	REDB	259.33
283776	Term	BUY	ECONOMIC	09/30/2023	7x 1-6, 15-24	FP	2688	PALOVERDE500	207.37
284627	Term	BUY	ECONOMIC	09/30/2023	7x16H	FP	400	MEAD230	196
284628	Term	BUY	ECONOMIC	09/30/2023	7x16H	FP	400	MEAD230	200
284629	Term	BUY	ECONOMIC	09/30/2023	7x16H	FP	400	MEAD230	203
284630	Term	BUY	ECONOMIC	09/30/2023	7x16H	FP	1600	MEAD230	168
284631	Term	BUY	ECONOMIC	09/30/2023	7x16H	FP	400	MEAD230	170.63
284632	Term	BUY	ECONOMIC	09/30/2023	7x16H	FP	400	MEAD230	167.5
284633	Term	BUY	ECONOMIC	09/30/2023	7x16H	FP	400	MEAD230	177.5
284634	Term	BUY	ECONOMIC	09/30/2023	7x16H	FP	800	MEAD230	175
284638	Term	BUY	ECONOMIC	09/30/2023	7x16H	FP	800	MEAD230	222
294398	Term	BUY	ECONOMIC	09/30/2023	7x8 (15-22)	FP	400	MCCULLOUG500	324.42
294399	Term	BUY	ECONOMIC	09/30/2023	7x8 (15-22)	FP	400	PALOVERDE500	324.42
295556	Term	BUY	ECONOMIC	09/30/2023	7x 1-6, 15-24	FP	1600	MEAD230	122.49
296158	Term	BUY	ECONOMIC	09/30/2023	7x16H	FP	800	MEAD230	230
297508	DA	SELL	ECONOMIC	09/30/2023	Heavy Load	FP	400	MEAD230	38
297513	DA	SELL	ECONOMIC	09/30/2023	Heavy Load	FP	400	MEAD230	37.5
297514	DA	SELL	ECONOMIC	09/30/2023	Heavy Load	FP	400	MEAD230	37.5
294928	Term	BUY	ECONOMIC	09/30/2023	7x16H	FP	400	MCCULLOUG500	155
297535	RT	SELL	ECONOMIC	09/30/2023	Hourly	FP	500	MEAD230	40
297538	RT	SELL	ECONOMIC	09/30/2023	Hourly	FP	300	MEAD230	40
297524	DA	SELL	ECONOMIC	10/01/2023	Light Load	FP	600	M345	25
297525	DA	SELL	ECONOMIC	10/01/2023	Light Load	FP	600	MEAD230	25
297526	DA	SELL	ECONOMIC	10/01/2023	Light Load	FP	600	MEAD230	24.5
297523	DA	SELL	ECONOMIC	10/01/2023	Light Load	FP	600	MEAD230	25
297541	RT	SELL	ECONOMIC	10/01/2023	Hourly	FP	600	MEAD230	35
297524	DA	SELL	ECONOMIC	10/02/2023	Light Load	FP	200	M345	25
297525	DA	SELL	ECONOMIC	10/02/2023	Light Load	FP	200	MEAD230	25
297526	DA	SELL	ECONOMIC	10/02/2023	Light Load	FP	200	MEAD230	24.5
297523	DA	SELL	ECONOMIC	10/02/2023	Light Load	FP	200	MEAD230	25
297545	DA	SELL	ECONOMIC	10/03/2023	Light Load	FP	400	NORTHSYS	29
297546	DA	SELL	ECONOMIC	10/03/2023	Light Load	FP	200	M345	32
297547	DA	SELL	ECONOMIC	10/03/2023	Light Load	FP	200	MEAD230	33
297548	DA	SELL	ECONOMIC	10/03/2023	Heavy Load	FP	336	NORTHSYS	30
297565	RT	SELL	ECONOMIC	10/04/2023	Hourly	FP	300	MEAD230	38
297572	RT	SELL	ECONOMIC	10/04/2023	Hourly	FP	200	MEAD230	40
297551	DA	SELL	ECONOMIC	10/04/2023	Light Load	FP	400	M345	31
297552	DA	SELL	ECONOMIC	10/04/2023	Heavy Load	FP	800	M345	35

297553	DA	SELL	ECONOMIC	10/04/2023	Light Load	FP	200	MEAD230	34
297554	DA	SELL	ECONOMIC	10/04/2023	Heavy Load	FP	400	MEAD230	35
297555	DA	SELL	ECONOMIC	10/04/2023	Light Load	FP	200	MEAD230	34
297556	DA	SELL	ECONOMIC	10/04/2023	Heavy Load	FP	400	MEAD230	35
297570	LD	SELL	ECONOMIC	10/04/2023	Light Load	FP	-115	MEAD230	34
297571	LD	SELL	ECONOMIC	10/04/2023	Light Load	FP	-100	MEAD230	34
297559	DA	SELL	ECONOMIC	10/05/2023	Heavy Load	FP	800	MEAD230	51
297560	DA	SELL	ECONOMIC	10/05/2023	Light Load	FP	400	MEAD230	47
297561	DA	SELL	ECONOMIC	10/05/2023	Light Load	FP	200	MEAD230	47
297562	DA	SELL	ECONOMIC	10/05/2023	Heavy Load	FP	400	MEAD230	52
297563	DA	SELL	ECONOMIC	10/05/2023	Heavy Load	FP	400	MEAD230	52
297564	DA	SELL	ECONOMIC	10/05/2023	Light Load	FP	200	MEAD230	46
297576	DA	SELL	ECONOMIC	10/06/2023	Light Load	FP	400	MEAD230	52
297577	DA	SELL	ECONOMIC	10/06/2023	Light Load	FP	200	MEAD230	54
297575	DA	SELL	ECONOMIC	10/06/2023	Light Load	FP	400	MEAD230	55
297592	RT	BUY	ECONOMIC	10/06/2023	Hourly	FP	200	MEAD230	102
297593	RT	BUY	ECONOMIC	10/06/2023	Hourly	FP	500	MEAD230	180
297594	RT	BUY	ECONOMIC	10/06/2023	Hourly	FP	400	MEAD230	200
297576	DA	SELL	ECONOMIC	10/07/2023	Light Load	FP	400	MEAD230	52
297577	DA	SELL	ECONOMIC	10/07/2023	Light Load	FP	200	MEAD230	54
297578	DA	SELL	ECONOMIC	10/07/2023	Heavy Load	FP	400	MEAD230	70
297575	DA	SELL	ECONOMIC	10/07/2023	Light Load	FP	400	MEAD230	55
297598	RT	SELL	ECONOMIC	10/07/2023	Hourly	FP	50	MEAD230	50
297600	RT	BUY	ECONOMIC	10/07/2023	Hourly	FP	300	REDB	128.36
297601	RT	BUY	ECONOMIC	10/07/2023	Hourly	FP	600	MEAD230	200
297584	DA	SELL	ECONOMIC	10/08/2023	Light Load NERC	FP	600	MEAD230	53.5
297585	DA	SELL	ECONOMIC	10/08/2023	Light Load NERC	FP	600	MEAD230	50
297586	DA	SELL	ECONOMIC	10/08/2023	Light Load	FP	600	MEAD230	62
297582	DA	SELL	ECONOMIC	10/09/2023	Heavy Load	FP	400	MEAD230	64
297583	DA	SELL	ECONOMIC	10/09/2023	Heavy Load	FP	400	MEAD230	62
297584	DA	SELL	ECONOMIC	10/09/2023	Light Load NERC	FP	200	MEAD230	53.5
297585	DA	SELL	ECONOMIC	10/09/2023	Light Load NERC	FP	200	MEAD230	50
297586	DA	SELL	ECONOMIC	10/09/2023	Light Load	FP	200	MEAD230	62
297587	DA	SELL	ECONOMIC	10/09/2023	Heavy Load	FP	400	MEAD230	66.5
297608	RT	BUY	ECONOMIC	10/09/2023	Hourly	FP	400	MEAD230	165
297609	RT	BUY	ECONOMIC	10/09/2023	Hourly	FP	100	MEAD230	165
297610	RT	BUY	ECONOMIC	10/09/2023	Hourly	FP	500	MEAD230	130
297611	RT	BUY	ECONOMIC	10/09/2023	Hourly	FP	300	MEAD230	115
297612	RT	BUY	ECONOMIC	10/09/2023	Hourly	FP	100	MEAD230	49.93
297604	DA	SELL	ECONOMIC	10/10/2023	Light Load	FP	400	MEAD230	50
297605	DA	SELL	ECONOMIC	10/10/2023	Light Load	FP	200	MEAD230	52
297606	DA	SELL	ECONOMIC	10/10/2023	Light Load	FP	200	MEAD230	52
297618	RT	BUY	ECONOMIC	10/10/2023	Hourly	FP	300	MEAD230	100
297623	RT	BUY	ECONOMIC	10/10/2023	Hourly	FP	400	MEAD230	90
297627	RT	BUY	ECONOMIC	10/10/2023	Hourly	FP	50	MEAD230	52.13
297633	RT	SELL	ECONOMIC	10/11/2023	Hourly	FP	300	MEAD230	35
297640	RT	BUY	ECONOMIC	10/11/2023	Hourly	FP	183	MEAD230	95
297641	RT	BUY	ECONOMIC	10/11/2023	Hourly	FP	100	MEAD230	39.33

297631	DA	SELL	ECONOMIC	10/12/2023	Light Load	FP	200	MEAD230	45
297632	DA	SELL	ECONOMIC	10/12/2023	Light Load	FP	200	MEAD230	45
297634	DA	SELL	ECONOMIC	10/12/2023	Light Load	FP	200	MEAD230	45
297652	Cap	BUY	ECONOMIC	10/12/2023	Hourly	SR	10	MCCULLOUG500	30
297653	Opt	BUY	ECONOMIC	10/12/2023	Hourly	FP	3	MCCULLOUG500	85
297655	RT	SELL	ECONOMIC	10/13/2023	Hourly	FP	200	MEAD230	35
297644	DA	SELL	ECONOMIC	10/13/2023	Light Load	FP	400	MEAD230	45
297645	DA	SELL	ECONOMIC	10/13/2023	Light Load	FP	400	MEAD230	45
297663	RT	SELL	ECONOMIC	10/13/2023	Hourly	FP	100	MEAD230	82
297646	DA	SELL	ECONOMIC	10/13/2023	Light Load	FP	400	MEAD230	45
297647	DA	SELL	ECONOMIC	10/13/2023	Light Load	FP	200	MEAD230	47
297668	RT	SELL	ECONOMIC	10/14/2023	Hourly	FP	300	HILLTOP345	55
297669	RT	SELL	ECONOMIC	10/14/2023	Hourly	FP	50	MEAD230	55
297672	RT	SELL	ECONOMIC	10/14/2023	Hourly	FP	50	MEAD230	55
297644	DA	SELL	ECONOMIC	10/14/2023	Light Load	FP	400	MEAD230	45
297645	DA	SELL	ECONOMIC	10/14/2023	Light Load	FP	400	MEAD230	45
297646	DA	SELL	ECONOMIC	10/14/2023	Light Load	FP	400	MEAD230	45
297647	DA	SELL	ECONOMIC	10/14/2023	Light Load	FP	200	MEAD230	47
297685	RT	SELL	ECONOMIC	10/15/2023	Hourly	FP	50	MEAD230	70
297667	DA	BUY	ECONOMIC	10/15/2023	Hourly	FP	700	MEAD230	89.13
297679	RT	SELL	ECONOMIC	10/15/2023	Hourly	FP	400	MEAD230	57
297692	RT	SELL	ECONOMIC	10/16/2023	Hourly	FP	110	MEAD230	64
297683	DA	BUY	ECONOMIC	10/16/2023	Hourly	FP	200	ELDORADO230	145.81
297684	DA	BUY	ECONOMIC	10/16/2023	Hourly	FP	1100	MEAD230	110.43
297693	RT	SELL	ECONOMIC	10/16/2023	Hourly	FP	658	MEAD230	44
297700	DA	BUY	ECONOMIC	10/17/2023	Hourly	FP	650	ELDORADO230	134.99
297701	DA	BUY	ECONOMIC	10/17/2023	Hourly	FP	650	MEAD230	134.69
297704	DA	BUY	ECONOMIC	10/18/2023	Hourly	FP	825	ELDORADO230	168.39
297705	DA	BUY	ECONOMIC	10/18/2023	Hourly	FP	825	MEAD230	167.99
297708	RT	BUY	ECONOMIC	10/18/2023	Hourly	FP	400	MEAD230	180
297709	RT	BUY	ECONOMIC	10/18/2023	Hourly	FP	900	MEAD230	250
297711	RT	BUY	ECONOMIC	10/18/2023	Hourly	FP	200	MEAD230	230.87
297713	DA	BUY	ECONOMIC	10/19/2023	Hourly	FP	1075	MEAD230	216.5
297714	DA	BUY	ECONOMIC	10/19/2023	Hourly	FP	1075	ELDORADO230	217.07
297716	RT	BUY	ECONOMIC	10/19/2023	Hourly	FP	900	MEAD230	285
297717	RT	BUY	ECONOMIC	10/19/2023	Hourly	FP	200	M345	250
297725	RT	BUY	ECONOMIC	10/19/2023	Hourly	FP	200	M345	315
297729	LD	BUY	ECONOMIC	10/19/2023	Hourly	FP	-12	M345	315
297730	RT	SELL	ECONOMIC	10/20/2023	Hourly	FP	75	MEAD230	52
297737	RT	BUY	ECONOMIC	10/20/2023	Hourly	FP	300	M345	180
297738	RT	BUY	ECONOMIC	10/20/2023	Hourly	FP	100	M345	200
297740	RT	BUY	ECONOMIC	10/20/2023	Hourly	FP	300	MEAD230	129.33
297745	RT	BUY	ECONOMIC	10/20/2023	Hourly	FP	300	MEAD230	250
297726	DA	BUY	ECONOMIC	10/20/2023	Hourly	FP	1150	ELDORADO230	157.14
297727	DA	BUY	ECONOMIC	10/20/2023	Hourly	FP	1150	MEAD230	156.78
297746	RT	SELL	ECONOMIC	10/21/2023	Hourly	FP	300	M345	39
297751	RT	BUY	ECONOMIC	10/21/2023	Hourly	FP	145	MEAD230	65
297752	RT	BUY	ECONOMIC	10/21/2023	Hourly	FP	700	MEAD230	89.97

297741	DA	BUY	ECONOMIC	10/21/2023	Hourly	FP	575	MEAD230	79.4
297742	DA	BUY	ECONOMIC	10/21/2023	Hourly	FP	575	ELDORADO230	79.55
297754	DA	BUY	ECONOMIC	10/22/2023	Hourly	FP	500	ELDORADO230	64.87
297755	DA	BUY	ECONOMIC	10/22/2023	Hourly	FP	500	MEAD230	64.71
297756	RT	BUY	ECONOMIC	10/22/2023	Hourly	FP	1250	MEAD230	55.29
297758	DA	BUY	ECONOMIC	10/23/2023	Hourly	FP	250	ELDORADO230	70.6
297759	DA	BUY	ECONOMIC	10/23/2023	Hourly	FP	250	MEAD230	70.45
297760	RT	SELL	ECONOMIC	10/24/2023	Hourly	FP	250	MEAD230	38
297761	RT	SELL	ECONOMIC	10/24/2023	Hourly	FP	250	MEAD230	38
297767	LD	SELL	ECONOMIC	10/24/2023	Hourly	FP	-2	MEAD230	38
297768	LD	SELL	ECONOMIC	10/24/2023	Hourly	FP	-14	MEAD230	38
297769	RT	SELL	ECONOMIC	10/25/2023	Hourly	FP	150	MEAD230	60
297770	RT	SELL	ECONOMIC	10/25/2023	Hourly	FP	150	HILLTOP345	60
297773	RT	SELL	ECONOMIC	10/25/2023	Hourly	FP	100	HILLTOP345	67
297775	RT	SELL	ECONOMIC	10/26/2023	Hourly	FP	215	MEAD230	62
297782	RT	SELL	ECONOMIC	10/27/2023	Hourly	FP	137	NAVAJO500	45
297785	RT	SELL	ECONOMIC	10/27/2023	Hourly	FP	45	MEAD230	80
297778	RT	SELL	ECONOMIC	10/27/2023	Hourly	FP	240	MEAD230	65
297781	LD	SELL	ECONOMIC	10/27/2023	Hourly	FP	-6	MEAD230	65
297789	RT	SELL	ECONOMIC	10/28/2023	Hourly	FP	226	MEAD230	65
297793	RT	SELL	ECONOMIC	10/29/2023	Hourly	FP	246	MEAD230	60
297796	RT	SELL	ECONOMIC	10/29/2023	Hourly	FP	350	REDB	45
297802	RT	SELL	ECONOMIC	10/30/2023	Hourly	FP	400	MEAD230	80
297805	LD	SELL	ECONOMIC	10/30/2023	Hourly	FP	-125	MEAD230	80
297799	RT	SELL	ECONOMIC	10/30/2023	Hourly	FP	320	MEAD230	70
297804	LD	SELL	ECONOMIC	10/30/2023	Hourly	FP	-31	MEAD230	70
297806	RT	SELL	ECONOMIC	10/31/2023	Hourly	FP	70	MEAD230	105
297809	LD	SELL	ECONOMIC	10/31/2023	Hourly	FP	-15	MEAD230	105
297810	RT	SELL	ECONOMIC	11/01/2023	Hourly	FP	68	MEAD230	90
297812	RT	SELL	ECONOMIC	11/02/2023	Hourly	FP	60	MEAD230	70
297813	RT	SELL	ECONOMIC	11/02/2023	Hourly	FP	90	MEAD230	75
297818	RT	SELL	ECONOMIC	11/04/2023	Hourly	FP	200	MEAD230	70
297821	RT	BUY	ECONOMIC	11/06/2023	Hourly	FP	3	MEAD230	1.24
297823	RT	BUY	ECONOMIC	11/07/2023	Hourly	FP	1	MEAD230	11.36
297825	RT	SELL	ECONOMIC	11/08/2023	Hourly	FP	150	MEAD230	82
297827	DA	SELL	ECONOMIC	11/12/2023	Light Load	FP	600	MEAD230	36
297828	DA	SELL	ECONOMIC	11/12/2023	Light Load	FP	600	MEAD230	36
297827	DA	SELL	ECONOMIC	11/13/2023	Light Load	FP	200	MEAD230	36
297828	DA	SELL	ECONOMIC	11/13/2023	Light Load	FP	200	MEAD230	36
297829	DA	SELL	ECONOMIC	11/13/2023	Heavy Load	FP	400	MEAD230	40
297830	DA	SELL	ECONOMIC	11/13/2023	Heavy Load	FP	400	MEAD230	41
297833	RT	SELL	ECONOMIC	11/13/2023	Hourly	FP	200	M345	45
297836	RT	BUY	ECONOMIC	11/14/2023	Hourly	FP	1400	MEAD230	150
297837	RT	BUY	ECONOMIC	11/14/2023	Hourly	FP	150	MEAD230	125
297842	LD	BUY	ECONOMIC	11/14/2023	Hourly	FP	-43	MEAD230	150
297839	DA	BUY	ECONOMIC	11/15/2023	Hourly	FP	900	MEAD230	82.41
297847	RT	BUY	ECONOMIC	11/15/2023	Hourly	FP	75	M345	130
297848	RT	BUY	ECONOMIC	11/15/2023	Hourly	FP	200	MEAD230	175

297849	RT	BUY	ECONOMIC	11/15/2023	Hourly	FP	25	MEAD230	97.66
297845	DA	BUY	ECONOMIC	11/16/2023	Hourly	FP	950	ELDORADO230	88.41
297846	DA	BUY	ECONOMIC	11/16/2023	Hourly	FP	950	MEAD230	88.2
297853	DA	BUY	ECONOMIC	11/17/2023	Hourly	FP	510	MEAD230	75
297858	DA	BUY	ECONOMIC	11/17/2023	Hourly	FP	440	MEAD230	85.66
297859	DA	BUY	ECONOMIC	11/17/2023	Hourly	FP	950	ELDORADO230	85.73
297865	RT	SELL	ECONOMIC	11/17/2023	Hourly	FP	100	NAVAJO500	57
297854	DA	BUY	ECONOMIC	11/18/2023	Hourly	FP	510	MEAD230	75
297866	DA	BUY	ECONOMIC	11/18/2023	Hourly	FP	790	MEAD230	63.26
297860	DA	BUY	ECONOMIC	11/19/2023	Hourly	FP	510	MEAD230	75
297862	DA	BUY	ECONOMIC	11/19/2023	Light Load	FP	1200	MEAD230	43
297869	RT	BUY	ECONOMIC	11/19/2023	Hourly	FP	50	MEAD230	17
297871	RT	BUY	ECONOMIC	11/19/2023	Hourly	FP	100	MEAD230	30
297870	DA	BUY	ECONOMIC	11/20/2023	Hourly	FP	1390	MEAD230	75.88
297861	DA	BUY	ECONOMIC	11/20/2023	Hourly	FP	510	MEAD230	75
297862	DA	BUY	ECONOMIC	11/20/2023	Light Load	FP	400	MEAD230	43
297878	DA	BUY	ECONOMIC	11/21/2023	Hourly	FP	440	MEAD230	77.16
297879	DA	BUY	ECONOMIC	11/21/2023	Hourly	FP	950	ELDORADO230	77.07
297877	DA	BUY	ECONOMIC	11/21/2023	Hourly	FP	510	MEAD230	75
297886	RT	SELL	ECONOMIC	11/21/2023	Hourly	FP	225	HILLTOP345	50
297891	DA	BUY	ECONOMIC	11/22/2023	Hourly	FP	440	MEAD230	70.1
297892	DA	BUY	ECONOMIC	11/22/2023	Hourly	FP	950	ELDORADO230	70.13
297876	DA	BUY	ECONOMIC	11/22/2023	Hourly	FP	510	MEAD230	75
297881	DA	BUY	ECONOMIC	11/23/2023	Light Load NERC	FP	600	MEAD230	42
297882	DA	BUY	ECONOMIC	11/23/2023	Light Load NERC	FP	600	MEAD230	41
297883	DA	BUY	ECONOMIC	11/23/2023	Light Load NERC	FP	1200	MEAD230	41
297885	DA	BUY	ECONOMIC	11/23/2023	Hourly	FP	510	MEAD230	70
297901	DA	BUY	ECONOMIC	11/23/2023	Hourly	FP	740	MEAD230	52.87
297902	DA	BUY	ECONOMIC	11/23/2023	Hourly	FP	650	ELDORADO230	52.97
297881	DA	BUY	ECONOMIC	11/24/2023	Light Load NERC	FP	200	MEAD230	42
297882	DA	BUY	ECONOMIC	11/24/2023	Light Load NERC	FP	200	MEAD230	41
297880	DA	BUY	ECONOMIC	11/24/2023	Heavy Load	FP	800	MEAD230	39
297883	DA	BUY	ECONOMIC	11/24/2023	Light Load NERC	FP	400	MEAD230	41
297884	DA	BUY	ECONOMIC	11/24/2023	Hourly	FP	510	MEAD230	70
297903	DA	BUY	ECONOMIC	11/24/2023	Hourly	FP	890	MEAD230	56.74
297904	DA	BUY	ECONOMIC	11/24/2023	Hourly	FP	800	ELDORADO230	56.84
297905	DA	BUY	ECONOMIC	11/25/2023	Hourly	FP	1198	ELDORADO230	56.66
297906	DA	BUY	ECONOMIC	11/25/2023	Hourly	FP	1192	MEAD230	56.55
297907	RT	SELL	ECONOMIC	11/25/2023	Hourly	FP	1200	MEAD230	35
297910	LD	SELL	ECONOMIC	11/25/2023	Hourly	FP	-158	MEAD230	35
297893	DA	BUY	ECONOMIC	11/25/2023	Light Load	FP	400	MEAD230	60
297894	DA	BUY	ECONOMIC	11/25/2023	Hourly	FP	510	MEAD230	70
297911	DA	BUY	ECONOMIC	11/26/2023	Hourly	FP	1448	ELDORADO230	62.9
297912	DA	BUY	ECONOMIC	11/26/2023	Hourly	FP	1442	MEAD230	62.79
297893	DA	BUY	ECONOMIC	11/26/2023	Light Load	FP	400	MEAD230	60
297895	DA	BUY	ECONOMIC	11/26/2023	Hourly	FP	510	MEAD230	70
297924	RT	BUY	ECONOMIC	11/27/2023	Hourly	FP	100	MEAD230	110
297925	RT	BUY	ECONOMIC	11/27/2023	Hourly	FP	200	MEAD230	95

297893	DA	BUY	ECONOMIC	11/27/2023	Light Load	FP	400	MEAD230	60
297896	DA	BUY	ECONOMIC	11/27/2023	Hourly	FP	510	MEAD230	70
297913	DA	BUY	ECONOMIC	11/27/2023	Hourly	FP	1723	ELDORADO230	70.37
297914	DA	BUY	ECONOMIC	11/27/2023	Hourly	FP	1717	MEAD230	70.21
297935	RT	BUY	ECONOMIC	11/28/2023	Hourly	FP	1	MEAD230	29.07
297936	RT	BUY	ECONOMIC	11/28/2023	Hourly	FP	100	MEAD230	88
297915	DA	BUY	ECONOMIC	11/28/2023	Light Load	FP	600	MEAD230	71
297916	DA	BUY	ECONOMIC	11/28/2023	Light Load	FP	200	MEAD230	67
297917	DA	BUY	ECONOMIC	11/28/2023	Hourly	FP	360	MEAD230	80
297922	DA	BUY	ECONOMIC	11/28/2023	Hourly	FP	2420	MEAD230	82.81
297923	DA	BUY	ECONOMIC	11/28/2023	Hourly	FP	2420	ELDORADO230	83.01
297946	RT	SELL	ECONOMIC	11/29/2023	Hourly	FP	25	MEAD230	115
297937	DA	BUY	ECONOMIC	11/29/2023	Hourly	FP	899	ELDORADO230	83.65
297938	DA	BUY	ECONOMIC	11/29/2023	Hourly	FP	891	MEAD230	83.54
297929	DA	BUY	ECONOMIC	11/29/2023	Light Load	FP	200	MEAD230	74
297930	DA	BUY	ECONOMIC	11/29/2023	Light Load	FP	200	MEAD230	75
297931	DA	BUY	ECONOMIC	11/29/2023	Light Load	FP	200	MEAD230	75
297932	DA	BUY	ECONOMIC	11/29/2023	Hourly	FP	360	MEAD230	85
297959	RT	BUY	ECONOMIC	11/30/2023	Hourly	FP	1	MEAD230	72.74
297941	DA	BUY	ECONOMIC	11/30/2023	Light Load	FP	600	MEAD230	80
297942	DA	BUY	ECONOMIC	11/30/2023	Hourly	FP	2197	ELDORADO230	81.78
297943	DA	BUY	ECONOMIC	11/30/2023	Hourly	FP	2253	MEAD230	81.1
297949	DA	BUY	ECONOMIC	12/01/2023	Light Load	FP	200	MEAD230	52
297950	DA	BUY	ECONOMIC	12/01/2023	Light Load	FP	200	MEAD230	53
297951	DA	BUY	ECONOMIC	12/01/2023	Light Load	FP	200	MEAD230	53
297960	DA	BUY	ECONOMIC	12/01/2023	Hourly	FP	650	MEAD230	72.33
297952	DA	BUY	ECONOMIC	12/01/2023	Hourly	FP	510	MEAD230	75
297954	DA	BUY	ECONOMIC	12/01/2023	Heavy Load	FP	400	MEAD230	55
297955	DA	BUY	ECONOMIC	12/01/2023	Heavy Load	FP	400	MEAD230	55
297949	DA	BUY	ECONOMIC	12/02/2023	Light Load	FP	200	MEAD230	52
297950	DA	BUY	ECONOMIC	12/02/2023	Light Load	FP	200	MEAD230	53
297951	DA	BUY	ECONOMIC	12/02/2023	Light Load	FP	200	MEAD230	53
297956	DA	BUY	ECONOMIC	12/02/2023	Heavy Load	FP	400	MEAD230	50
297953	DA	BUY	ECONOMIC	12/02/2023	Hourly	FP	510	MEAD230	75
297954	DA	BUY	ECONOMIC	12/02/2023	Heavy Load	FP	400	MEAD230	55
297955	DA	BUY	ECONOMIC	12/02/2023	Heavy Load	FP	400	MEAD230	55
297967	DA	BUY	ECONOMIC	12/03/2023	Hourly	FP	1150	MEAD230	63.22
297963	DA	BUY	ECONOMIC	12/03/2023	2x8	FP	600	MEAD230	45
297962	DA	BUY	ECONOMIC	12/04/2023	Hourly	FP	60	MEAD230	80
297963	DA	BUY	ECONOMIC	12/04/2023	2x8	FP	600	MEAD230	45
297968	DA	BUY	ECONOMIC	12/04/2023	Hourly	FP	720	ELDORADO230	76.9
297969	DA	BUY	ECONOMIC	12/04/2023	Hourly	FP	970	MEAD230	75.44
297974	RT	BUY	ECONOMIC	12/05/2023	Hourly	FP	350	MEAD230	13
297970	DA	BUY	ECONOMIC	12/05/2023	Hourly	FP	775	MEAD230	70.4
297971	DA	BUY	ECONOMIC	12/05/2023	Hourly	FP	775	ELDORADO230	69.97
297975	DA	BUY	ECONOMIC	12/06/2023	Hourly	FP	510	MEAD230	65
297976	DA	BUY	ECONOMIC	12/06/2023	Hourly	FP	590	MEAD230	67
297979	DA	BUY	ECONOMIC	12/07/2023	Light Load	FP	200	MEAD230	42

297980	DA	BUY	ECONOMIC	12/07/2023	Light Load	FP	200	MEAD230	42
297981	DA	BUY	ECONOMIC	12/07/2023	Hourly	FP	510	MEAD230	65
297982	DA	BUY	ECONOMIC	12/07/2023	Hourly	FP	1142	MEAD230	52.96
297983	DA	BUY	ECONOMIC	12/07/2023	Hourly	FP	1148	ELDORADO230	53.07
297993	DA	BUY	ECONOMIC	12/08/2023	Hourly	FP	1625	MEAD230	61.58
297994	DA	BUY	ECONOMIC	12/08/2023	Hourly	FP	1625	ELDORADO230	61.7
298002	DA	BUY	ECONOMIC	12/09/2023	Hourly	FP	2225	ELDORADO230	53.13
298003	DA	BUY	ECONOMIC	12/09/2023	Hourly	FP	2225	MEAD230	53.08
298005	RT	BUY	ECONOMIC	12/10/2023	Hourly	FP	200	MEAD230	65
298006	RT	BUY	ECONOMIC	12/10/2023	Hourly	FP	200	MEAD230	61.45
298007	RT	BUY	ECONOMIC	12/10/2023	Hourly	FP	300	MEAD230	65
298010	RT	BUY	ECONOMIC	12/10/2023	Hourly	FP	225	MEAD230	61.45
298011	RT	BUY	ECONOMIC	12/10/2023	Hourly	FP	225	MCCULLOUGH500	66.39
298004	DA	BUY	ECONOMIC	12/10/2023	Hourly	FP	1200	MEAD230	49.7
297997	DA	BUY	ECONOMIC	12/10/2023	Light Load	FP	600	MEAD230	38
297998	DA	BUY	ECONOMIC	12/10/2023	Light Load	FP	600	MEAD230	37
298017	RT	SELL	ECONOMIC	12/11/2023	Hourly	FP	125	MEAD230	50
297997	DA	BUY	ECONOMIC	12/11/2023	Light Load	FP	200	MEAD230	38
297998	DA	BUY	ECONOMIC	12/11/2023	Light Load	FP	200	MEAD230	37
298008	DA	BUY	ECONOMIC	12/11/2023	Hourly	FP	825	ELDORADO230	70.48
298009	DA	BUY	ECONOMIC	12/11/2023	Hourly	FP	825	MEAD230	70.38
298024	RT	SELL	ECONOMIC	12/12/2023	Hourly	FP	68	MEAD230	54
298022	DA	BUY	ECONOMIC	12/12/2023	Hourly	FP	1450	ELDORADO230	64.65
298023	DA	BUY	ECONOMIC	12/12/2023	Hourly	FP	1450	MEAD230	64.58
298031	RT	SELL	ECONOMIC	12/13/2023	Hourly	FP	400	MEAD230	37
298025	DA	BUY	ECONOMIC	12/13/2023	Hourly	FP	1000	MEAD230	66.69
298026	DA	BUY	ECONOMIC	12/13/2023	Hourly	FP	1000	ELDORADO230	66.79
298032	DA	BUY	ECONOMIC	12/14/2023	Hourly	FP	675	MEAD230	72.88
298033	DA	BUY	ECONOMIC	12/14/2023	Hourly	FP	675	ELDORADO230	72.96
298040	RT	BUY	ECONOMIC	12/15/2023	Hourly	FP	1200	MEAD230	150
298038	DA	BUY	ECONOMIC	12/15/2023	Hourly	FP	500	MEAD230	69.4
298046	RT	BUY	ECONOMIC	12/16/2023	Hourly	FP	750	MEAD230	61.43
298043	DA	BUY	ECONOMIC	12/17/2023	Hourly	FP	550	MEAD230	61.05
298048	DA	BUY	ECONOMIC	12/18/2023	Hourly	FP	800	MEAD230	67.76
298050	DA	BUY	ECONOMIC	12/19/2023	Hourly	FP	1200	MEAD230	60.48
298051	DA	BUY	ECONOMIC	12/20/2023	Hourly	FP	740	MEAD230	60.78
298052	DA	BUY	ECONOMIC	12/20/2023	Hourly	FP	510	MEAD230	65
298060	RT	SELL	ECONOMIC	12/23/2023	Hourly	FP	400	M345	33
298064	RT	SELL	ECONOMIC	12/23/2023	Hourly	FP	40	NAVAJO500	50
298067	RT	SELL	ECONOMIC	12/24/2023	Hourly	FP	292	M345	35
298056	DA	SELL	ECONOMIC	12/25/2023	Hourly	FP	600	MEAD230	29.5
298056	DA	SELL	ECONOMIC	12/26/2023	Hourly	FP	200	MEAD230	29.5
298056	DA	SELL	ECONOMIC	12/27/2023	Hourly	FP	200	MEAD230	29.5
298071	DA	SELL	ECONOMIC	12/28/2023	Light Load	FP	400	MEAD230	34
298077	RT	SELL	ECONOMIC	12/28/2023	Hourly	FP	100	M345	30
298071	DA	SELL	ECONOMIC	12/29/2023	Light Load	FP	400	MEAD230	34
298074	DA	SELL	ECONOMIC	12/30/2023	Light Load	FP	800	MEAD230	31
298075	DA	SELL	ECONOMIC	12/30/2023	Heavy Load	FP	1600	MEAD230	31

298074	DA	SELL	ECONOMIC	12/31/2023	Light Load	FP	2400	MEAD230	31

EXHIBIT ATKINS-DIRECT-6



S21, W21-22, S22, and W22-23 Physical Gas Request for Proposals
GS-2021-1 NVE South

1. Nevada Power Company d/b/a NV Energy (“NV Energy”) through this Request for Proposals (“RFP”) is soliciting competitively priced bids for firm physical gas supplies to meet its needs. The deadline for bid submission is Monday, **March 1, 2021 at 11:00 AM Pacific Prevailing Time.**
 - a. Terms
 - i. April 1, 2021 through March 31, 2023
 - ii. April 1, 2021 through October 31, 2022
 - iii. April 1, 2021 through March 31, 2022
 - iv. April 1, 2021 through October 31, 2021
 - v. April 1, 2022 through March 31, 2023
 - vi. April 1, 2022 through October 31, 2022
 - vii. November 1, 2021 through March 31, 2023
 - viii. November 1, 2021 through October 31, 2022
 - ix. November 1, 2021 through March 31, 2022
 - x. November 1, 2022 through March 31, 2023
 - xi. Individual months April 1, 2021 through March 31, 2023
 - b. Maximum daily volume per bid MMBtu/day
 - i. Winter Season
 - a) Rockies 75,000
 - b) Kern River Delivered 25,000
 - ii. Summer Season
 - a) Rockies 125,000
 - b) Kern River Delivered 75,000
 - c. Delivery points
 - i. Rockies: Kern Rec, Opal, Pioneer and Goshen.
 - ii. Kern River Delivered: Kern Del and Kern Del Direct Connect.
 - a) Kern Del - Kern River Gas Transmission Co. - on system delivery (excl. Wheeler, Kramer, Daggett and delivery points with incremental IT fees)
 - b) Kern Del Direct Connect - NV Energy may select daily Kern direct connected delivery points in Zone 11, or 12, Daggett/Mojave, PG&E Daggett, Oxy 17Z, and other Kern River Delivery points where NV Energy can receive gas. Non-Direct connected gas will not be accepted.
 - d. Pricing

Use the first-of-month index of the Inside FERC Rocky Mountains index, or the Natural Gas Intelligence (“NGI”) SoCal index, whichever is closest in physical proximity to the delivery point.

2. For questions regarding gas delivery points or related matters, please contact Brandon Dyer at (702) 219-3603 or brandon.dyer@nvenergy.com (please note new email address).
3. In its sole and absolute discretion, NV Energy may suspend or terminate this RFP or any portion thereof and accept or reject any or all bids, without notice and without assigning any reasons, therefore. Bids shall be subject to competition and evaluation.
4. NV Energy requires that bidders:
 - a. Submit bids for firm gas only;
 - b. Provide prices in U.S. dollars and volumes in MMBtu/day;
 - c. Use the attached Bid Form, avoid altering its format (e.g. no column deletion), and use only a single Bid Form;
 - d. Indicate in the Bid Form if the bid is a strip bid (i.e. the same volume across contiguous months); or without such an indication, NV Energy will assume that the bid is a shapeable bid (i.e. flexible volumes across contiguous months, with each month’s volume to be set at the time of award and execution);
 - e. Define any special terms or conditions in the Comments column of the Bid Form;
 - f. Submit bids via e-mail to npcgasrfp@nvenergy.com on or before the bid submission deadline; and
 - g. Have executed and delivered a Master Trading Agreement for the purchase and sale of natural gas (i.e. NAESB Agreement or an ISDA Agreement with Natural Gas Annex) prior to bid submission, in form and substance acceptable to NV Energy.
5. NV Energy encourages bidders to submit multiple bids with high granularity in regards to volume, price, or term. For example, during high volume months, monthly bids that have the same or different volumes across contiguous or non-contiguous months are particularly useful in granularly filling in requirements above shapeable or strip bids.
6. If any portion of a bid is marked confidential, NV Energy will exercise reasonable efforts to protect such information. However, such information may be made available to regulatory commissions, their staffs, or other governmental agencies having an interest in this matter. NV Energy reserves the right to disclose such information to its agents and contractors for evaluation purposes, but they shall be required to observe the same degree of care with respect to disclosure as NV Energy. Under no circumstances shall NV Energy, its affiliates, subsidiaries and parent companies, their directors, officers, employees, agents, and contractors be liable to bidders under this RFP or any other party for any damages resulting from disclosure of such information or for any act or omission resulting from or arising under this RFP.

7. Bidders are solely responsible for all costs incurred in developing bids and, if applicable, in leading to an executed agreement. Any materials provided to NV Energy will not be returned and will become the property of NV Energy.
8. By submitting bids under this RFP, bidders waive any right to challenge any valuation of bids or any determination to select or reject bids, or take any action with respect to this RFP, including any right bidders may otherwise have to intervene in any regulatory proceeding for the purpose of protesting the selection or rejection of bids, any other decision of NV Energy with respect to this RFP, or any resulting agreement related to selected bids. By submitting bids, bidders irrevocably agree and acknowledge that bidders are submitting bids subject to and in agreement with the terms of this RFP and agree that NV Energy shall be entitled to specific performance of its rights hereunder and such other equitable or injunctive relief as may be appropriate.
9. As soon as practicable, NV Energy expects to analyze the received bids and to decide on bid awards. NV Energy will award successful bids to the successful bidders and will execute written confirmations in accordance with the applicable Master Trading Agreement. Confirmations should be sent to npc_gas_confirms@nvenergy.com. For questions regarding gas contracts or related matters, please contact Timothy Troy at timothy.troy@nvenergy.com and Yeimi Montes at yeimi.montes@nvenergy.com (please note new email address).
10. If selected, the credit terms of your existing Master Trading Agreement with NV Energy will apply. For questions regarding credit, payment provisions, or related matters, please contact Jenny Venter at jenny.venter@nvenergy.com (please note new email address).

Thank you for your continued interest and participation.

Attachment: Bid Form



W21-22, S22, W22-23, and S23 Physical Gas Request for Proposals
GS-2021-2 NVE South

1. Nevada Power Company d/b/a NV Energy (“NV Energy”) through this Request for Proposals (“RFP”) is soliciting competitively priced bids for firm physical gas supplies to meet its needs. The deadline for bid submission is **Tuesday, August 31, 2021 at 11:00 AM Pacific Prevailing Time.**

- a. Terms

- i. November 1, 2021 through October 31, 2023
- ii. November 1, 2021 through March 31, 2023
- iii. November 1, 2021 through October 31, 2022
- iv. November 1, 2021 through March 31, 2022
- v. November 1, 2022 through October 31, 2023
- vi. November 1, 2022 through March 31, 2023
- vii. April 1, 2022 through October 31, 2023
- viii. April 1, 2022 through March 31, 2023
- ix. April 1, 2022 through October 31, 2022
- x. April 1, 2023 through October 31, 2023
- xi. Individual months November 1, 2021 through October 31, 2023

- b. Maximum daily volume per bid MMBtu/day

- i. Winter Season
 - a) Rockies 75,000
 - b) Kern River Delivered 25,000
- ii. Summer Season
 - a) Rockies 125,000
 - b) Kern River Delivered 75,000

- c. Delivery points

- i. Rockies: Kern Rec, Opal, Pioneer and Goshen.
- ii. Kern River Delivered: Kern Del and Kern Del Direct Connect.
 - a) Kern Del - Kern River Gas Transmission Co. - on system delivery (excl. Wheeler, Kramer, Daggett and delivery points with incremental IT fees)
 - b) Kern Del Direct Connect - NV Energy may select daily Kern direct connected delivery points in Zone 11, or 12, Daggett/Mojave, PG&E Daggett, Oxy 17Z, and other Kern River Delivery points where NV Energy can receive gas. Non Direct connected gas will not be accepted.

- d. Pricing

Use the first-of-month index of the Inside FERC Rocky Mountains index, or the Natural Gas Intelligence (“NGI”) SoCal index, whichever is closest in physical proximity to the delivery point.

2. For questions regarding gas delivery points or related matters, please contact Brandon Dyer at (702) 219-3603 or brandon.dyer@nvenergy.com (please note new email address).
3. In its sole and absolute discretion, NV Energy may suspend or terminate this RFP or any portion thereof and accept or reject any or all bids, without notice and without assigning any reasons therefore. Bids shall be subject to competition and evaluation.
4. NV Energy requires that bidders:
 - a. Submit bids for firm gas only;
 - b. Provide prices in U.S. dollars and volumes in MMBtu/day;
 - c. Use the attached Bid Form, avoid altering its format (e.g. no column deletion), and use only a single Bid Form;
 - d. Indicate in the Bid Form if the bid is a strip bid (i.e. the same volume across contiguous months); or without such an indication, NV Energy will assume that the bid is a shapeable bid (i.e. flexible volumes across contiguous months, with each month’s volume to be set at the time of award and execution);
 - e. Define any special terms or conditions in the Comments column of the Bid Form;
 - f. Submit bids via e-mail to npcgasrfp@nvenergy.com on or before the bid submission deadline; and
 - g. Have executed and delivered a Master Trading Agreement for the purchase and sale of natural gas (i.e. NAESB Agreement or an ISDA Agreement with Natural Gas Annex) prior to bid submission, in form and substance acceptable to NV Energy.
5. NV Energy encourages bidders to submit multiple bids with high granularity in regards to volume, price, or term. For example, during high volume months, monthly bids that have the same or different volumes across contiguous or non-contiguous months are particularly useful in granularly filling in requirements above shapeable or strip bids.
6. If any portion of a bid is marked confidential, NV Energy will exercise reasonable efforts to protect such information. However, such information may be made available to regulatory commissions, their staffs, or other governmental agencies having an interest in this matter. NV Energy reserves the right to disclose such information to its agents and contractors for evaluation purposes, but they shall be required to observe the same degree of care with respect to disclosure as NV Energy. Under no circumstances shall NV Energy, its affiliates, subsidiaries and parent companies, their directors, officers, employees, agents, and contractors be liable to bidders under this RFP or any other party for any damages resulting from disclosure of such information or for any act or omission resulting from or arising under this RFP.

7. Bidders are solely responsible for all costs incurred in developing bids and, if applicable, in leading to an executed agreement. Any materials provided to NV Energy will not be returned and will become the property of NV Energy.
8. By submitting bids under this RFP, bidders waive any right to challenge any valuation of bids or any determination to select or reject bids, or take any action with respect to this RFP, including any right bidders may otherwise have to intervene in any regulatory proceeding for the purpose of protesting the selection or rejection of bids, any other decision of NV Energy with respect to this RFP, or any resulting agreement related to selected bids. By submitting bids, bidders irrevocably agree and acknowledge that bidders are submitting bids subject to and in agreement with the terms of this RFP and agree that NV Energy shall be entitled to specific performance of its rights hereunder and such other equitable or injunctive relief as may be appropriate.
9. As soon as practicable, NV Energy expects to analyze the received bids and to decide on bid awards. NV Energy will award successful bids to the successful bidders, and will execute written confirmations in accordance with the applicable Master Trading Agreement. Confirmations should be sent to npc_gas_confirms@nvenergy.com. For questions regarding gas contracts or related matters, please contact Timothy Troy at timothy.troy@nvenergy.com and Yeimi Montes at yeimi.montes@nvenergy.com (please note new email addresses).
10. If selected, the credit terms of your existing Master Trading Agreement with NV Energy will apply. For questions regarding credit, payment provisions, or related matters, please contact Jenny Venter at jenny.venter@nvenergy.com (please note new email address).

Thank you for your continued interest and participation.

Attachment: Bid Form



S22, W22-23, S23, and W23-24 Physical Gas Request for Proposals
GS-2022-1 NVE South

1. Nevada Power Company d/b/a NV Energy (“NV Energy”) through this Request for Proposals (“RFP”) is soliciting competitively priced bids for firm physical gas supplies to meet its needs. The deadline for bid submission is **Wednesday, February 23, 2022 at 10:00 AM Pacific Prevailing Time.**
 - a. Terms
 - i. April 1, 2022 through March 31, 2024
 - ii. April 1, 2022 through October 31, 2023
 - iii. April 1, 2022 through March 31, 2023
 - iv. April 1, 2022 through October 31, 2022
 - v. April 1, 2023 through March 31, 2024
 - vi. April 1, 2023 through October 31, 2023
 - vii. November 1, 2022 through March 31, 2024
 - viii. November 1, 2022 through October 31, 2023
 - ix. November 1, 2022 through March 31, 2023
 - x. November 1, 2023 through March 31, 2024
 - xi. Individual months April 1, 2022 through March 31, 2024
 - b. Maximum daily volume per bid MMBtu/day
 - i. Winter Season
 - a) Rockies 75,000
 - b) Kern River Delivered 25,000
 - ii. Summer Season
 - a) Rockies 125,000
 - b) Kern River Delivered 75,000
 - c. Delivery points
 - i. Rockies: Kern Rec, Opal, Pioneer and Goshen.
 - ii. Kern River Delivered: Kern Del and Kern Del Direct Connect.
 - a) Kern Del - Kern River Gas Transmission Co. - on system delivery (excl. Wheeler, Kramer, Daggett and delivery points with incremental IT fees)
 - b) Kern Del Direct Connect - NV Energy may select daily Kern direct connected delivery points in Zone 11, or 12, Daggett/Mojave, PG&E Daggett, Oxy 17Z, and other Kern River Delivery points where NV Energy can receive gas. Non Direct connected gas will not be accepted.
 - d. Pricing

Use the first-of-month index of the Inside FERC Rocky Mountains index, or the Natural Gas Intelligence (“NGI”) SoCal index, whichever is closest in physical proximity to the delivery point.

2. For questions regarding gas delivery points or related matters, please contact Ryan Tardy at (702) 402-5131 or ryan.tardy@nvenergy.com.
3. In its sole and absolute discretion, NV Energy may suspend or terminate this RFP or any portion thereof and accept or reject any or all bids, without notice and without assigning any reasons therefore. Bids shall be subject to competition and evaluation.
4. NV Energy requires that bidders:
 - a. Submit bids for firm gas only;
 - b. Provide prices in U.S. dollars and volumes in MMBtu/day;
 - c. Use the attached Bid Form, avoid altering its format (e.g. no column deletion), and use only a single Bid Form;
 - d. Indicate in the Bid Form if the bid is a strip bid (i.e. the same volume across contiguous months); or without such an indication, NV Energy will assume that the bid is a shapeable bid (i.e. flexible volumes across contiguous months, with each month’s volume to be set at the time of award and execution);
 - e. Define any special terms or conditions in the Comments column of the Bid Form;
 - f. Submit bids via e-mail to npcgasrfp@nvenergy.com on or before the bid submission deadline; and
 - g. Have executed and delivered a Master Trading Agreement for the purchase and sale of natural gas (i.e. NAESB Agreement or an ISDA Agreement with Natural Gas Annex) prior to bid submission, in form and substance acceptable to NV Energy.
5. NV Energy encourages bidders to submit multiple bids with high granularity in regards to volume, price, or term. For example, during high volume months, monthly bids that have the same or different volumes across contiguous or non-contiguous months are particularly useful in granularly filling in requirements above shapeable or strip bids.
6. If any portion of a bid is marked confidential, NV Energy will exercise reasonable efforts to protect such information. However, such information may be made available to regulatory commissions, their staffs, or other governmental agencies having an interest in this matter. NV Energy reserves the right to disclose such information to its agents and contractors for evaluation purposes, but they shall be required to observe the same degree of care with respect to disclosure as NV Energy. Under no circumstances shall NV Energy, its affiliates, subsidiaries and parent companies, their directors, officers, employees, agents, and contractors be liable to bidders under this RFP or any other party for any damages resulting from disclosure of such information or for any act or omission resulting from or arising under this RFP.
7. Bidders are solely responsible for all costs incurred in developing bids and, if applicable, in leading to an executed agreement. Any materials provided to NV Energy will not be returned and will become the property of NV Energy.

8. By submitting bids under this RFP, bidders waive any right to challenge any valuation of bids or any determination to select or reject bids, or take any action with respect to this RFP, including any right bidders may otherwise have to intervene in any regulatory proceeding for the purpose of protesting the selection or rejection of bids, any other decision of NV Energy with respect to this RFP, or any resulting agreement related to selected bids. By submitting bids, bidders irrevocably agree and acknowledge that bidders are submitting bids subject to and in agreement with the terms of this RFP and agree that NV Energy shall be entitled to specific performance of its rights hereunder and such other equitable or injunctive relief as may be appropriate.
9. As soon as practicable, NV Energy expects to analyze the received bids and to decide on bid awards. NV Energy will award successful bids to the successful bidders, and will execute written confirmations in accordance with the applicable Master Trading Agreement. Confirmations should be sent to npc_gas_confirms@nvenergy.com. For questions regarding gas contracts or related matters, please contact Timothy Troy at timothy.troy@nvenergy.com and Yeimi Montes at yeimi.montes@nvenergy.com.
10. If selected, the credit terms of your existing Master Trading Agreement with NV Energy will apply. For questions regarding credit, payment provisions, or related matters, please contact Jenny Venter at jenny.venter@nvenergy.com.

Thank you for your continued interest and participation.

Attachment: Bid Form



W22-23, S23, W23-24, and S24 Physical Gas Request for Proposals
GS-2022-2 NVE South

1. Nevada Power Company d/b/a NV Energy (“NV Energy”) through this Request for Proposals (“RFP”) is soliciting competitively priced bids for firm physical gas supplies to meet its needs. The deadline for bid submission is **Wednesday, August 24, 2022 at 9:00 AM Pacific Prevailing Time.**

- a. Terms

- i. November 1, 2022 through October 31, 2024
- ii. November 1, 2022 through March 31, 2024
- iii. November 1, 2022 through October 31, 2023
- iv. November 1, 2022 through March 31, 2023
- v. November 1, 2023 through October 31, 2024
- vi. November 1, 2023 through March 31, 2024
- vii. April 1, 2023 through October 31, 2024
- viii. April 1, 2023 through March 31, 2024
- ix. April 1, 2023 through October 31, 2023
- x. April 1, 2024 through October 31, 2024
- xi. Individual months November 1, 2022 through October 31, 2024

- b. Maximum daily volume per bid MMBtu/day

- i. Winter Season
 - a) Rockies 75,000
 - b) Kern River Delivered 25,000
- ii. Summer Season
 - a) Rockies 125,000
 - b) Kern River Delivered 75,000

- c. Delivery points

- i. Rockies: Kern Rec, Opal, Pioneer and Goshen.
- ii. Kern River Delivered: Kern Del and Kern Del Direct Connect.
 - a) Kern Del - Kern River Gas Transmission Co. - on system delivery (excl. Wheeler, Kramer, Daggett and delivery points with incremental IT fees)
 - b) Kern Del Direct Connect - NV Energy may select daily Kern direct connected delivery points in Zone 11, or 12, Daggett/Mojave, PG&E Daggett, Oxy 17Z, and other Kern River Delivery points where NV Energy can receive gas. Non Direct connected gas will not be accepted.

- d. Pricing

Use the first-of-month index of the Inside FERC Rocky Mountains index, or the Natural Gas Intelligence (“NGI”) SoCal index, whichever is closest in physical proximity to the delivery point.

2. For questions regarding gas delivery points or related matters, please contact Ryan Tardy at (702) 402-5131 or ryan.tardy@nvenergy.com.
3. In its sole and absolute discretion, NV Energy may suspend or terminate this RFP or any portion thereof and accept or reject any or all bids, without notice and without assigning any reasons therefore. Bids shall be subject to competition and evaluation.
4. NV Energy requires that bidders:
 - a. Submit bids for firm gas only;
 - b. Provide prices in U.S. dollars and volumes in MMBtu/day;
 - c. Use the attached Bid Form, avoid altering its format (e.g. no column deletion), and use only a single Bid Form;
 - d. Indicate in the Bid Form if the bid is a strip bid (i.e. the same volume across contiguous months); or without such an indication, NV Energy will assume that the bid is a shapeable bid (i.e. flexible volumes across contiguous months, with each month’s volume to be set at the time of award and execution);
 - e. Define any special terms or conditions in the Comments column of the Bid Form;
 - f. Submit bids via e-mail to npcgasrfp@nvenergy.com on or before the bid submission deadline; and
 - g. Have executed and delivered a Master Trading Agreement for the purchase and sale of natural gas (i.e. NAESB Agreement or an ISDA Agreement with Natural Gas Annex) prior to bid submission, in form and substance acceptable to NV Energy.
5. NV Energy encourages bidders to submit multiple bids with high granularity in regards to volume, price, or term. For example, during high volume months, monthly bids that have the same or different volumes across contiguous or non-contiguous months are particularly useful in granularly filling in requirements above shapeable or strip bids.
6. If any portion of a bid is marked confidential, NV Energy will exercise reasonable efforts to protect such information. However, such information may be made available to regulatory commissions, their staffs, or other governmental agencies having an interest in this matter. NV Energy reserves the right to disclose such information to its agents and contractors for evaluation purposes, but they shall be required to observe the same degree of care with respect to disclosure as NV Energy. Under no circumstances shall NV Energy, its affiliates, subsidiaries and parent companies, their directors, officers, employees, agents, and contractors be liable to bidders under this RFP or any other party for any damages resulting from disclosure of such information or for any act or omission resulting from or arising under this RFP.
7. Bidders are solely responsible for all costs incurred in developing bids and, if applicable, in leading to an executed agreement. Any materials provided to NV Energy will not be returned and will become the property of NV Energy.

8. By submitting bids under this RFP, bidders waive any right to challenge any valuation of bids or any determination to select or reject bids, or take any action with respect to this RFP, including any right bidders may otherwise have to intervene in any regulatory proceeding for the purpose of protesting the selection or rejection of bids, any other decision of NV Energy with respect to this RFP, or any resulting agreement related to selected bids. By submitting bids, bidders irrevocably agree and acknowledge that bidders are submitting bids subject to and in agreement with the terms of this RFP and agree that NV Energy shall be entitled to specific performance of its rights hereunder and such other equitable or injunctive relief as may be appropriate.
9. As soon as practicable, NV Energy expects to analyze the received bids and to decide on bid awards. NV Energy will award successful bids to the successful bidders, and will execute written confirmations in accordance with the applicable Master Trading Agreement. Confirmations should be sent to npc_gas_confirms@nvenergy.com. For questions regarding gas contracts or related matters, please contact Timothy Troy at timothy.troy@nvenergy.com and Yeimi Montes at yeimi.montes@nvenergy.com.
10. If selected, the credit terms of your existing Master Trading Agreement with NV Energy will apply. For questions regarding credit, payment provisions, or related matters, please contact Jenny Venter at jenny.venter@nvenergy.com.

Thank you for your continued interest and participation.

Attachment: Bid Form



S23, W23-24, S24, and W24-25 Physical Gas Request for Proposals
GS-2023-1 NVE South

1. Nevada Power Company d/b/a NV Energy (“NV Energy”) through this Request for Proposals (“RFP”) is soliciting competitively priced bids for firm physical gas supplies to meet its needs. The deadline for bid submission is **Thursday, February 16, 2023 at 9:00 AM Pacific Prevailing Time.**

- a. Terms

- i. April 1, 2023 through March 31, 2025
- ii. April 1, 2023 through October 31, 2024
- iii. April 1, 2023 through March 31, 2024
- iv. April 1, 2023 through October 31, 2023
- v. April 1, 2024 through March 31, 2025
- vi. April 1, 2024 through October 31, 2024
- vii. November 1, 2023 through March 31, 2025
- viii. November 1, 2023 through October 31, 2024
- ix. November 1, 2023 through March 31, 2024
- x. November 1, 2024 through March 31, 2025
- xi. Individual months April 1, 2023 through March 31, 2025

- b. Maximum daily volume per bid MMBtu/day

- i. Winter Season
 - a) Rockies 75,000
 - b) Kern River Delivered 25,000
- ii. Summer Season
 - a) Rockies 125,000
 - b) Kern River Delivered 75,000

- c. Delivery points

- i. Rockies: Kern Rec, Opal, Pioneer and Goshen.
- ii. Kern River Delivered: Kern Del and Kern Del Direct Connect.
 - a) Kern Del - Kern River Gas Transmission Co. - on system delivery (excl. Wheeler, Kramer, Daggett and delivery points with incremental IT fees)
 - b) Kern Del Direct Connect - NV Energy may select daily Kern direct connected delivery points in Zone 11, or 12, Daggett/Mojave, PG&E Daggett, Oxy 17Z, and other Kern River Delivery points where NV Energy can receive gas. Non Direct connected gas will not be accepted.

- d. Pricing

Use the first-of-month index of the Inside FERC Rocky Mountains index, or the Natural Gas Intelligence (“NGI”) SoCal index, whichever is closest in physical proximity to the delivery point.

e. Renewable Natural Gas

In addition to standard products, proposals for the sale of renewable natural gas will be considered. Prospective bidders are encouraged to use the comment section of the attached bid form to differentiate all renewable natural gas proposals.

2. For questions regarding gas delivery points or related matters, please contact Kent Wilkinson at (713) 301-6589 or charles.wilkinson@nvenergy.com.
3. In its sole and absolute discretion, NV Energy may suspend or terminate this RFP or any portion thereof and accept or reject any or all bids, without notice and without assigning any reasons therefore. Bids shall be subject to competition and evaluation.
4. NV Energy requires that bidders:
 - a. Submit bids for firm gas only;
 - b. Provide prices in U.S. dollars and volumes in MMBtu/day;
 - c. Use the attached Bid Form, avoid altering its format (e.g. no column deletion), and use only a single Bid Form;
 - d. Indicate in the Bid Form if the bid is a strip bid (i.e. the same volume across contiguous months); or without such an indication, NV Energy will assume that the bid is a shapeable bid (i.e. flexible volumes across contiguous months, with each month’s volume to be set at the time of award and execution);
 - e. Define any special terms or conditions in the Comments column of the Bid Form;
 - f. Submit bids via e-mail to npcgasrfp@nvenergy.com on or before the bid submission deadline; and
 - g. Have executed and delivered a Master Trading Agreement for the purchase and sale of natural gas (i.e. NAESB Agreement or an ISDA Agreement with Natural Gas Annex) prior to bid submission, in form and substance acceptable to NV Energy.
5. NV Energy encourages bidders to submit multiple bids with high granularity in regards to volume, price, or term. For example, during high volume months, monthly bids that have the same or different volumes across contiguous or non-contiguous months are particularly useful in granularly filling in requirements above shapeable or strip bids.
6. If any portion of a bid is marked confidential, NV Energy will exercise reasonable efforts to protect such information. However, such information may be made available to regulatory commissions, their staffs, or other governmental agencies having an interest in this matter. NV Energy reserves the right to disclose such information to its agents and contractors for evaluation purposes, but they shall be required to observe the same degree of care with respect to disclosure as NV Energy. Under no circumstances shall NV Energy, its affiliates, subsidiaries and parent companies, their directors, officers, employees, agents, and contractors be liable to bidders under this

RFP or any other party for any damages resulting from disclosure of such information or for any act or omission resulting from or arising under this RFP.

7. Bidders are solely responsible for all costs incurred in developing bids and, if applicable, in leading to an executed agreement. Any materials provided to NV Energy will not be returned and will become the property of NV Energy.
8. By submitting bids under this RFP, bidders waive any right to challenge any valuation of bids or any determination to select or reject bids, or take any action with respect to this RFP, including any right bidders may otherwise have to intervene in any regulatory proceeding for the purpose of protesting the selection or rejection of bids, any other decision of NV Energy with respect to this RFP, or any resulting agreement related to selected bids. By submitting bids, bidders irrevocably agree and acknowledge that bidders are submitting bids subject to and in agreement with the terms of this RFP and agree that NV Energy shall be entitled to specific performance of its rights hereunder and such other equitable or injunctive relief as may be appropriate.
9. As soon as practicable, NV Energy expects to analyze the received bids and to decide on bid awards. NV Energy will award successful bids to the successful bidders, and will execute written confirmations in accordance with the applicable Master Trading Agreement. Confirmations should be sent to npc_gas_confirms@nvenergy.com. For questions regarding gas contracts or related matters, please contact Kalli Mlekush at kalli.mlekush@nvenergy.com and Yeimi Montes at yeimi.montes@nvenergy.com.
10. If selected, the credit terms of your existing Master Trading Agreement with NV Energy will apply. For questions regarding credit, payment provisions, or related matters, please contact Jenny Venter at jenny.venter@nvenergy.com.

Thank you for your continued interest and participation.

Attachment: Bid Form



W23-24, S24, W24-25, and S25 Physical Gas Request for Proposals
GS-2023-2 NVE South

1. Nevada Power Company d/b/a NV Energy (“NV Energy”) through this Request for Proposals (“RFP”) is soliciting competitively priced bids for firm physical gas supplies to meet its needs. The deadline for bid submission is **Wednesday, September 6, 2023 at 9:00 AM Pacific Prevailing Time.**
 - a. Terms
 - i. November 1, 2023 through March 31, 2024
 - ii. April 1, 2024 through October 31, 2024
 - iii. November 1, 2024 through March 31, 2025
 - iv. April 1, 2025 through October 31, 2025
 - v. Multiple seasons
 - vi. Individual months November 1, 2023 through October 31, 2025
 - b. Maximum daily volume per bid MMBtu/day
 - i. Winter Season
 - a) Rockies 75,000
 - b) Kern River Delivered 25,000
 - ii. Summer Season
 - a) Rockies 125,000
 - b) Kern River Delivered 75,000
 - c. Delivery points
 - i. Rockies: Kern Rec, Opal, Pioneer and Goshen.
 - ii. Kern River Delivered: Kern Del and Kern Del Direct Connect.
 - a) Kern Del - Kern River Gas Transmission Co. - on system delivery (excl. Wheeler, Kramer, Daggett and delivery points with incremental IT fees)
 - b) Kern Del Direct Connect - NV Energy may select daily Kern direct connected delivery points in Zone 11, or 12, Daggett/Mojave, PG&E Daggett, Oxy 17Z, and other Kern River Delivery points where NV Energy can receive gas. Non Direct connected gas will not be accepted.
 - d. Pricing

Use the first-of-month index of the Inside FERC Rocky Mountains index, or the Natural Gas Intelligence (“NGI”) SoCal index, whichever is closest in physical proximity to the delivery point.
 - e. Renewable Natural Gas

In addition to standard products, proposals for the sale of renewable natural gas will be considered. Prospective bidders are encouraged to use the comment

section of the attached bid form to differentiate all renewable natural gas proposals.

2. For questions regarding gas delivery points or related matters, please contact Ryan Sorsoleil at (702) 469-5848 or ryan.sorsoleil@nvenergy.com.
3. In its sole and absolute discretion, NV Energy may suspend or terminate this RFP or any portion thereof and accept or reject any or all bids, without notice and without assigning any reasons therefore. Bids shall be subject to competition and evaluation.
4. NV Energy requires that bidders:
 - a. Submit bids for firm gas only;
 - b. Provide prices in U.S. dollars and volumes in MMBtu/day;
 - c. Use the attached Bid Form, avoid altering its format (e.g. no column deletion), and use only a single Bid Form;
 - d. Indicate in the Bid Form if the bid is a strip bid (i.e. the same volume across contiguous months); or without such an indication, NV Energy will assume that the bid is a shapeable bid (i.e. flexible volumes across contiguous months, with each month's volume to be set at the time of award and execution);
 - e. Define any special terms or conditions in the Comments column of the Bid Form;
 - f. Submit bids via e-mail to npcgasrfp@nvenergy.com on or before the bid submission deadline; and
 - g. Have executed and delivered a Master Trading Agreement for the purchase and sale of natural gas (i.e. NAESB Agreement or an ISDA Agreement with Natural Gas Annex) prior to bid submission, in form and substance acceptable to NV Energy.
5. NV Energy encourages bidders to submit multiple bids with high granularity in regards to volume, price, or term. For example, during high volume months, monthly bids that have the same or different volumes across contiguous or non-contiguous months are particularly useful in granularly filling in requirements above shapeable or strip bids.
6. If any portion of a bid is marked confidential, NV Energy will exercise reasonable efforts to protect such information. However, such information may be made available to regulatory commissions, their staffs, or other governmental agencies having an interest in this matter. NV Energy reserves the right to disclose such information to its agents and contractors for evaluation purposes, but they shall be required to observe the same degree of care with respect to disclosure as NV Energy. Under no circumstances shall NV Energy, its affiliates, subsidiaries and parent companies, their directors, officers, employees, agents, and contractors be liable to bidders under this RFP or any other party for any damages resulting from disclosure of such information or for any act or omission resulting from or arising under this RFP.
7. Bidders are solely responsible for all costs incurred in developing bids and, if applicable, in leading to an executed agreement. Any materials provided to NV Energy will not be returned and will become the property of NV Energy.

8. By submitting bids under this RFP, bidders waive any right to challenge any valuation of bids or any determination to select or reject bids, or take any action with respect to this RFP, including any right bidders may otherwise have to intervene in any regulatory proceeding for the purpose of protesting the selection or rejection of bids, any other decision of NV Energy with respect to this RFP, or any resulting agreement related to selected bids. By submitting bids, bidders irrevocably agree and acknowledge that bidders are submitting bids subject to and in agreement with the terms of this RFP and agree that NV Energy shall be entitled to specific performance of its rights hereunder and such other equitable or injunctive relief as may be appropriate.
9. As soon as practicable, NV Energy expects to analyze the received bids and to decide on bid awards. NV Energy will award successful bids to the successful bidders, and will execute written confirmations in accordance with the applicable Master Trading Agreement. Confirmations should be sent to npc_gas_confirms@nvenergy.com. For questions regarding gas contracts or related matters, please contact Kalli Mlekush at kalli.mlekush@nvenergy.com and Yeimi Montes at yeimi.montes@nvenergy.com.
10. If selected, the credit terms of your existing Master Trading Agreement with NV Energy will apply. For questions regarding credit, payment provisions, or related matters, please contact Jenny Venter at jenny.venter@nvenergy.com.

Thank you for your continued interest and participation.

Attachment: Bid Form

EXHIBIT ATKINS-DIRECT-7

TXN	TXN DATE	BEGIN DATE	END DATE	VOLUME	PRICE	INDEX	LOCATION	TYPE	BUY SELL
91334	3/8/2021	11/1/2022	2/28/2023	2000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
91335	3/8/2021	11/1/2022	3/31/2023	18000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
91441	3/9/2021	1/1/2023	1/31/2023	21500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
91442	3/9/2021	2/1/2023	2/28/2023	15000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
91434	3/9/2021	4/1/2022	3/31/2023	9500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
91439	3/9/2021	11/1/2022	3/31/2023	25000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
95932	9/3/2021	1/1/2023	1/31/2023	14000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
95933	9/3/2021	2/1/2023	2/28/2023	4000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
95934	9/3/2021	5/1/2023	5/31/2023	29000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
95935	9/3/2021	6/1/2023	6/30/2023	23500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
95936	9/3/2021	7/1/2023	7/31/2023	70000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
95937	9/3/2021	8/1/2023	8/31/2023	61500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
95938	9/3/2021	9/1/2023	9/30/2023	21000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
95939	9/3/2021	10/1/2023	10/31/2023	19500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
96075	9/7/2021	11/1/2022	3/31/2023	20000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
96070	9/7/2021	11/1/2022	3/31/2023	25000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
96076	9/7/2021	11/1/2022	3/31/2023	6000	0	IF ROCKIES	KERN RIVER - OPAL KERN	INDEX	BUY
96072	9/7/2021	6/1/2023	6/30/2023	24000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
96073	9/7/2021	6/1/2023	9/30/2023	8500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
96074	9/7/2021	9/1/2023	9/30/2023	24000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
96077	9/7/2021	4/1/2023	10/31/2023	20000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
96078	9/7/2021	4/1/2023	10/31/2023	15000	0	IF ROCKIES	KERN RIVER - OPAL KERN	INDEX	BUY
96071	9/7/2021	4/1/2023	10/31/2023	17500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
99230	2/24/2022	1/1/2023	1/31/2023	5000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
99221	2/24/2022	1/1/2023	1/31/2023	4000	0	IF ROCKIES	KERN RIVER - PIONEER-JONAH GAS GATHERING	INDEX	BUY
99229	2/24/2022	12/1/2022	2/28/2023	5000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
99231	2/24/2022	2/1/2023	2/28/2023	3000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
99220	2/24/2022	11/1/2022	3/31/2023	11500	0	IF ROCKIES	KERN RIVER - PIONEER-JONAH GAS GATHERING	INDEX	BUY
99227	2/24/2022	11/1/2022	3/31/2023	10000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
99248	2/24/2022	11/1/2022	3/31/2023	10000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
99245	2/24/2022	11/1/2022	3/31/2023	20000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
99233	2/24/2022	4/1/2023	4/30/2023	9500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
99234	2/24/2022	5/1/2023	5/31/2023	40000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
99251	2/24/2022	6/1/2023	6/30/2023	10000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
99235	2/24/2022	7/1/2023	7/31/2023	34500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
99236	2/24/2022	8/1/2023	8/31/2023	23500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
99247	2/24/2022	4/1/2023	10/31/2023	10000	0	IF ROCKIES	KERN RIVER - OPAL KERN	INDEX	BUY
99246	2/24/2022	4/1/2023	10/31/2023	20000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
99237	2/24/2022	10/1/2023	10/31/2023	29000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
99249	2/24/2022	4/1/2023	10/31/2023	15000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
99238	2/24/2022	11/1/2023	11/30/2023	27000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
99239	2/24/2022	12/1/2023	12/31/2023	36500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
99252	2/24/2022	11/1/2023	3/31/2024	25000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
99250	2/24/2022	11/1/2023	3/31/2024	15000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
102187	8/25/2022	1/1/2023	1/31/2023	4000	0	IF ROCKIES	KERN RIVER - PIONEER-JONAH GAS GATHERING	INDEX	BUY
102210	8/25/2022	12/1/2022	1/31/2023	5000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
102212	8/25/2022	1/1/2023	1/31/2023	5000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
102189	8/25/2022	11/1/2022	3/31/2023	29000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
102213	8/25/2022	3/1/2023	3/31/2023	11000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
102184	8/25/2022	11/1/2022	3/31/2023	24500	0	IF ROCKIES	KERN RIVER - PIONEER-JONAH GAS GATHERING	INDEX	BUY
102191	8/25/2022	5/1/2023	5/31/2023	7000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
102192	8/25/2022	6/1/2023	6/30/2023	6000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
102193	8/25/2022	7/1/2023	7/31/2023	40000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
102214	8/25/2022	7/1/2023	7/31/2023	4500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
102215	8/25/2022	9/1/2023	9/30/2023	10000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
102194	8/25/2022	8/1/2023	9/30/2023	20000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
102190	8/25/2022	4/1/2023	10/31/2023	31500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
102195	8/25/2022	10/1/2023	10/31/2023	1000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
102188	8/25/2022	4/1/2023	10/31/2023	35000	0	IF ROCKIES	KERN RIVER - PIONEER-JONAH GAS GATHERING	INDEX	BUY
102198	8/25/2022	11/1/2023	11/30/2023	16500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
102199	8/25/2022	12/1/2023	12/31/2023	26500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
102197	8/25/2022	11/1/2023	3/31/2024	28500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
102196	8/25/2022	11/1/2023	10/31/2024	16500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104538	12/30/2022	1/1/2023	1/3/2023	400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104533	12/30/2022	1/1/2023	1/3/2023	10000	18.45		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104532	12/30/2022	1/1/2023	1/3/2023	5000	18.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104537	12/30/2022	1/1/2023	1/3/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104536	12/30/2022	1/1/2023	1/3/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104540	12/30/2022	1/1/2023	1/3/2023	7500	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104534	12/30/2022	1/1/2023	1/3/2023	3000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104535	12/30/2022	1/1/2023	1/3/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104539	12/30/2022	1/1/2023	1/3/2023	5000	18.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104543	1/2/2023	1/2/2023	1/2/2023	10000	14		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104542	1/2/2023	1/2/2023	1/2/2023	10000	12.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104563	1/3/2023	1/3/2023	1/3/2023	500	22.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104562	1/3/2023	1/3/2023	1/3/2023	4500	22.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104561	1/3/2023	1/3/2023	1/3/2023	5000	20.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104547	1/3/2023	1/4/2023	1/4/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY

104554	1/3/2023	1/4/2023	1/4/2023	5000	22.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104550	1/3/2023	1/4/2023	1/4/2023	15000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104551	1/3/2023	1/4/2023	1/4/2023	100	22.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104548	1/3/2023	1/4/2023	1/4/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104557	1/3/2023	1/4/2023	1/4/2023	5000	22.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104546	1/3/2023	1/4/2023	1/4/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104558	1/3/2023	1/4/2023	1/4/2023	2500	25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104549	1/3/2023	1/4/2023	1/4/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104555	1/3/2023	1/4/2023	1/4/2023	2500	24		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104559	1/3/2023	1/4/2023	1/4/2023	2500	25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104560	1/3/2023	1/4/2023	1/4/2023	5000	24.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104552	1/3/2023	1/4/2023	1/4/2023	5000	22.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104553	1/3/2023	1/4/2023	1/4/2023	5000	24		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104556	1/3/2023	1/4/2023	1/4/2023	2400	22.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104545	1/3/2023	1/4/2023	1/4/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104581	1/4/2023	1/5/2023	1/5/2023	2500	17.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104580	1/4/2023	1/5/2023	1/5/2023	10000	17		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104573	1/4/2023	1/5/2023	1/5/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104575	1/4/2023	1/5/2023	1/5/2023	2000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104586	1/4/2023	1/5/2023	1/5/2023	2500	19		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104584	1/4/2023	1/5/2023	1/5/2023	5000	18.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104577	1/4/2023	1/5/2023	1/5/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104574	1/4/2023	1/5/2023	1/5/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104583	1/4/2023	1/5/2023	1/5/2023	2500	19.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104576	1/4/2023	1/5/2023	1/5/2023	8000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104582	1/4/2023	1/5/2023	1/5/2023	2500	17.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104578	1/4/2023	1/5/2023	1/5/2023	5000	17.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104571	1/4/2023	1/5/2023	1/5/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104585	1/4/2023	1/5/2023	1/5/2023	2500	19.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104579	1/4/2023	1/5/2023	1/5/2023	10000	17		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104572	1/4/2023	1/5/2023	1/5/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104627	1/5/2023	1/5/2023	1/5/2023	5000	19.5		KERN RIVER - KERN RIVER DLV	FIXED	BUY
104615	1/5/2023	1/5/2023	1/5/2023	2000	16.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104626	1/5/2023	1/5/2023	1/5/2023	5000	19.5		KERN RIVER - KERN RIVER DLV	FIXED	BUY
104616	1/5/2023	1/5/2023	1/5/2023	5000	17.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104625	1/5/2023	1/5/2023	1/5/2023	300	17.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104614	1/5/2023	1/5/2023	1/5/2023	5000	16.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104596	1/5/2023	1/6/2023	1/6/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104608	1/5/2023	1/6/2023	1/6/2023	5000	17		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104611	1/5/2023	1/6/2023	1/6/2023	5000	16.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104603	1/5/2023	1/6/2023	1/6/2023	5000	15.45		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104597	1/5/2023	1/6/2023	1/6/2023	6000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104605	1/5/2023	1/6/2023	1/6/2023	5000	15.45		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104602	1/5/2023	1/6/2023	1/6/2023	5000	15.24		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104609	1/5/2023	1/6/2023	1/6/2023	4900	16.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104612	1/5/2023	1/6/2023	1/6/2023	5000	16.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104599	1/5/2023	1/6/2023	1/6/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104613	1/5/2023	1/6/2023	1/6/2023	2500	16.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104610	1/5/2023	1/6/2023	1/6/2023	5000	16.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104604	1/5/2023	1/6/2023	1/6/2023	10000	15.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104598	1/5/2023	1/6/2023	1/6/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104601	1/5/2023	1/6/2023	1/6/2023	4000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104606	1/5/2023	1/6/2023	1/6/2023	5000	15.35		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104600	1/5/2023	1/6/2023	1/6/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104607	1/5/2023	1/6/2023	1/6/2023	2500	16.85		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104658	1/6/2023	1/6/2023	1/6/2023	2500	18.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104661	1/6/2023	1/6/2023	1/6/2023	1300	19		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104643	1/6/2023	1/6/2023	1/6/2023	5000	17.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104641	1/6/2023	1/6/2023	1/6/2023	5000	15.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104659	1/6/2023	1/6/2023	1/6/2023	600	18.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104642	1/6/2023	1/6/2023	1/6/2023	2400	17.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104660	1/6/2023	1/6/2023	1/6/2023	5000	19		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104640	1/6/2023	1/6/2023	1/6/2023	2500	15.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104628	1/6/2023	1/7/2023	1/9/2023	6500	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104639	1/6/2023	1/7/2023	1/9/2023	3100	17.45		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104636	1/6/2023	1/7/2023	1/9/2023	5000	17.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104629	1/6/2023	1/7/2023	1/9/2023	10600	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104631	1/6/2023	1/7/2023	1/9/2023	13000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104634	1/6/2023	1/7/2023	1/9/2023	5000	16.3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104637	1/6/2023	1/7/2023	1/9/2023	5000	17.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104633	1/6/2023	1/7/2023	1/9/2023	10000	16.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104630	1/6/2023	1/7/2023	1/9/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104638	1/6/2023	1/7/2023	1/9/2023	5000	17.45		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104632	1/6/2023	1/7/2023	1/9/2023	10000	16.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104635	1/6/2023	1/7/2023	1/9/2023	5000	17.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104670	1/9/2023	1/10/2023	1/10/2023	5000	19.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104666	1/9/2023	1/10/2023	1/10/2023	2500	17.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104671	1/9/2023	1/10/2023	1/10/2023	5000	19		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104668	1/9/2023	1/10/2023	1/10/2023	10000	18.39		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY

104662	1/9/2023	1/10/2023	1/10/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104664	1/9/2023	1/10/2023	1/10/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104667	1/9/2023	1/10/2023	1/10/2023	5000	18.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104669	1/9/2023	1/10/2023	1/10/2023	5790	18.45		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104665	1/9/2023	1/10/2023	1/10/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104663	1/9/2023	1/10/2023	1/10/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104685	1/10/2023	1/11/2023	1/11/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104684	1/10/2023	1/11/2023	1/11/2023	15000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104686	1/10/2023	1/11/2023	1/11/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104687	1/10/2023	1/11/2023	1/11/2023	5000	17.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104688	1/10/2023	1/11/2023	1/11/2023	5000	17.64		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104683	1/10/2023	1/11/2023	1/11/2023	5300	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104692	1/10/2023	1/11/2023	1/11/2023	5000	17.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104694	1/10/2023	1/11/2023	1/11/2023	5000	19		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104689	1/10/2023	1/11/2023	1/11/2023	5000	17.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104681	1/10/2023	1/11/2023	1/11/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104682	1/10/2023	1/11/2023	1/11/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104690	1/10/2023	1/11/2023	1/11/2023	5000	17.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104691	1/10/2023	1/11/2023	1/11/2023	5000	17.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104693	1/10/2023	1/11/2023	1/11/2023	5000	19.21		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104731	1/11/2023	1/11/2023	1/11/2023	5000	17.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104730	1/11/2023	1/11/2023	1/11/2023	5000	17.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104718	1/11/2023	1/12/2023	1/12/2023	5600	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104721	1/11/2023	1/12/2023	1/12/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104728	1/11/2023	1/12/2023	1/12/2023	5000	16.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104724	1/11/2023	1/12/2023	1/12/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104725	1/11/2023	1/12/2023	1/12/2023	5000	15.4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104726	1/11/2023	1/12/2023	1/12/2023	4000	15.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104729	1/11/2023	1/12/2023	1/12/2023	7500	16.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104727	1/11/2023	1/12/2023	1/12/2023	3900	15.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104720	1/11/2023	1/12/2023	1/12/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104722	1/11/2023	1/12/2023	1/12/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104719	1/11/2023	1/12/2023	1/12/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104723	1/11/2023	1/12/2023	1/12/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104738	1/12/2023	1/13/2023	1/13/2023	5000	21		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104736	1/12/2023	1/13/2023	1/13/2023	7500	21.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104732	1/12/2023	1/13/2023	1/13/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104734	1/12/2023	1/13/2023	1/13/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104735	1/12/2023	1/13/2023	1/13/2023	10000	21.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104737	1/12/2023	1/13/2023	1/13/2023	10000	21.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104733	1/12/2023	1/13/2023	1/13/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104773	1/13/2023	1/13/2023	1/13/2023	5000	20		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104771	1/13/2023	1/13/2023	1/13/2023	5000	18.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104775	1/13/2023	1/13/2023	1/13/2023	5000	20		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104776	1/13/2023	1/13/2023	1/13/2023	5000	20		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104769	1/13/2023	1/13/2023	1/13/2023	5000	18.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104774	1/13/2023	1/13/2023	1/13/2023	5000	20		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104772	1/13/2023	1/13/2023	1/13/2023	5000	18.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104770	1/13/2023	1/13/2023	1/13/2023	5000	18.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104762	1/13/2023	1/14/2023	1/17/2023	7500	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104766	1/13/2023	1/14/2023	1/17/2023	7500	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104767	1/13/2023	1/14/2023	1/17/2023	7500	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104768	1/13/2023	1/14/2023	1/17/2023	5000	15.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104763	1/13/2023	1/14/2023	1/17/2023	8400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104760	1/13/2023	1/14/2023	1/17/2023	7500	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104764	1/13/2023	1/14/2023	1/17/2023	7500	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104761	1/13/2023	1/14/2023	1/17/2023	3200	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104765	1/13/2023	1/14/2023	1/17/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104751	1/13/2023	1/14/2023	1/17/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104796	1/17/2023	1/17/2023	1/17/2023	10000	19.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104782	1/17/2023	1/18/2023	1/18/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104779	1/17/2023	1/18/2023	1/18/2023	8600	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104780	1/17/2023	1/18/2023	1/18/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104777	1/17/2023	1/18/2023	1/18/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104781	1/17/2023	1/18/2023	1/18/2023	1400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104778	1/17/2023	1/18/2023	1/18/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104785	1/17/2023	1/18/2023	1/18/2023	2500	20.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104784	1/17/2023	1/18/2023	1/18/2023	5000	20.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104783	1/17/2023	1/18/2023	1/18/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104801	1/18/2023	1/19/2023	1/19/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104811	1/18/2023	1/19/2023	1/19/2023	5000	19.6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104802	1/18/2023	1/19/2023	1/19/2023	1400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104800	1/18/2023	1/19/2023	1/19/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104814	1/18/2023	1/19/2023	1/19/2023	5000	21		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104799	1/18/2023	1/19/2023	1/19/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104804	1/18/2023	1/19/2023	1/19/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104810	1/18/2023	1/19/2023	1/19/2023	2000	18.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104812	1/18/2023	1/19/2023	1/19/2023	5000	19.45		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104808	1/18/2023	1/19/2023	1/19/2023	600	19.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY

104806	1/18/2023	1/19/2023	1/19/2023	5000	20.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104797	1/18/2023	1/19/2023	1/19/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104807	1/18/2023	1/19/2023	1/19/2023	5000	20.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104817	1/18/2023	1/19/2023	1/19/2023	5000	21.75		KERN RIVER - KERN RIVER DLV	FIXED	BUY
104805	1/18/2023	1/19/2023	1/19/2023	5000	20.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104816	1/18/2023	1/19/2023	1/19/2023	5000	21.5		KERN RIVER - KERN RIVER DLV	FIXED	BUY
104813	1/18/2023	1/19/2023	1/19/2023	5000	19.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104809	1/18/2023	1/19/2023	1/19/2023	5000	19.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104815	1/18/2023	1/19/2023	1/19/2023	5000	20.85		KERN RIVER - KERN RIVER DLV	FIXED	BUY
104798	1/18/2023	1/19/2023	1/19/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104803	1/18/2023	1/19/2023	1/19/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104839	1/19/2023	1/20/2023	1/20/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104831	1/19/2023	1/20/2023	1/20/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104848	1/19/2023	1/20/2023	1/20/2023	5000	16.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104837	1/19/2023	1/20/2023	1/20/2023	1400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104844	1/19/2023	1/20/2023	1/20/2023	5000	15.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104842	1/19/2023	1/20/2023	1/20/2023	2500	14.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104840	1/19/2023	1/20/2023	1/20/2023	2500	14.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104846	1/19/2023	1/20/2023	1/20/2023	5000	16.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104847	1/19/2023	1/20/2023	1/20/2023	3500	16.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104833	1/19/2023	1/20/2023	1/20/2023	100	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104834	1/19/2023	1/20/2023	1/20/2023	7000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104832	1/19/2023	1/20/2023	1/20/2023	8700	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104841	1/19/2023	1/20/2023	1/20/2023	5000	15.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104845	1/19/2023	1/20/2023	1/20/2023	5100	15.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104843	1/19/2023	1/20/2023	1/20/2023	5000	15.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104836	1/19/2023	1/20/2023	1/20/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104835	1/19/2023	1/20/2023	1/20/2023	400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104838	1/19/2023	1/20/2023	1/20/2023	9500	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104849	1/19/2023	1/20/2023	1/20/2023	1500	16.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104866	1/20/2023	1/21/2023	1/23/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104868	1/20/2023	1/21/2023	1/23/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104876	1/20/2023	1/21/2023	1/23/2023	5000	14.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104867	1/20/2023	1/21/2023	1/23/2023	1000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104864	1/20/2023	1/21/2023	1/23/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104875	1/20/2023	1/21/2023	1/23/2023	2400	14.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104873	1/20/2023	1/21/2023	1/23/2023	2500	14.08		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104877	1/20/2023	1/21/2023	1/23/2023	2500	15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104869	1/20/2023	1/21/2023	1/23/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104874	1/20/2023	1/21/2023	1/23/2023	2500	14.08		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104865	1/20/2023	1/21/2023	1/23/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104871	1/20/2023	1/21/2023	1/23/2023	1400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104870	1/20/2023	1/21/2023	1/23/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104872	1/20/2023	1/21/2023	1/23/2023	5000	14.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104906	1/23/2023	1/23/2023	1/23/2023	5000	16.24		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104905	1/23/2023	1/23/2023	1/23/2023	5000	16.24		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104913	1/23/2023	1/23/2023	1/23/2023	5000	15.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104893	1/23/2023	1/24/2023	1/24/2023	15000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104901	1/23/2023	1/24/2023	1/24/2023	2500	16.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104894	1/23/2023	1/24/2023	1/24/2023	8000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104900	1/23/2023	1/24/2023	1/24/2023	5000	15.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104896	1/23/2023	1/24/2023	1/24/2023	3000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104897	1/23/2023	1/24/2023	1/24/2023	8600	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104899	1/23/2023	1/24/2023	1/24/2023	5000	16.49		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104891	1/23/2023	1/24/2023	1/24/2023	1400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104902	1/23/2023	1/24/2023	1/24/2023	5000	16.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104904	1/23/2023	1/24/2023	1/24/2023	5000	17.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104890	1/23/2023	1/24/2023	1/24/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104903	1/23/2023	1/24/2023	1/24/2023	5000	17.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104898	1/23/2023	1/24/2023	1/24/2023	5000	16.49		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104892	1/23/2023	1/24/2023	1/24/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104895	1/23/2023	1/24/2023	1/24/2023	1400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104925	1/24/2023	1/24/2023	1/24/2023	5000	18.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104935	1/24/2023	1/24/2023	1/24/2023	5000	19		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104923	1/24/2023	1/24/2023	1/25/2023	5000	18		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104918	1/24/2023	1/25/2023	1/25/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104924	1/24/2023	1/25/2023	1/25/2023	5000	18.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104917	1/24/2023	1/25/2023	1/25/2023	1400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104920	1/24/2023	1/25/2023	1/25/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104914	1/24/2023	1/25/2023	1/25/2023	8600	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104922	1/24/2023	1/25/2023	1/25/2023	5000	17.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104916	1/24/2023	1/25/2023	1/25/2023	6700	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104919	1/24/2023	1/25/2023	1/25/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104921	1/24/2023	1/25/2023	1/25/2023	3200	18		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104915	1/24/2023	1/25/2023	1/25/2023	800	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104948	1/25/2023	1/25/2023	1/25/2023	5000	19.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104949	1/25/2023	1/25/2023	1/25/2023	5000	19		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104947	1/25/2023	1/25/2023	1/25/2023	2500	17.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104943	1/25/2023	1/26/2023	1/26/2023	5000	15.59		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY

104939	1/25/2023	1/26/2023	1/26/2023	1400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104940	1/25/2023	1/26/2023	1/26/2023	8600	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104938	1/25/2023	1/26/2023	1/26/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104941	1/25/2023	1/26/2023	1/26/2023	5000	15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104942	1/25/2023	1/26/2023	1/26/2023	2500	15.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104946	1/25/2023	1/26/2023	1/26/2023	5000	17		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104937	1/25/2023	1/26/2023	1/26/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104936	1/25/2023	1/26/2023	1/26/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104945	1/25/2023	1/26/2023	1/26/2023	5000	17		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104944	1/25/2023	1/26/2023	1/26/2023	10000	16.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104968	1/26/2023	1/27/2023	1/27/2023	5000	7.09		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104977	1/26/2023	1/27/2023	1/27/2023	5100	7.45		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104960	1/26/2023	1/27/2023	1/27/2023	5900	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104962	1/26/2023	1/27/2023	1/27/2023	1400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104961	1/26/2023	1/27/2023	1/27/2023	14100	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104978	1/26/2023	1/27/2023	1/27/2023	5000	7.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104973	1/26/2023	1/27/2023	1/27/2023	1500	8.15		KERN RIVER - KRAMER JUNCTION	FIXED	SELL
104975	1/26/2023	1/27/2023	1/27/2023	5000	7.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104976	1/26/2023	1/27/2023	1/27/2023	5000	7.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104969	1/26/2023	1/27/2023	1/27/2023	5000	7.09		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104963	1/26/2023	1/27/2023	1/27/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104967	1/26/2023	1/27/2023	1/27/2023	5000	7.09		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104974	1/26/2023	1/27/2023	1/27/2023	3400	7.45		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104971	1/26/2023	1/27/2023	1/27/2023	5000	6.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104964	1/26/2023	1/27/2023	1/27/2023	8600	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104970	1/26/2023	1/27/2023	1/27/2023	5000	7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104966	1/26/2023	1/27/2023	1/27/2023	5000	7.09		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104972	1/26/2023	1/27/2023	1/27/2023	5000	8		KERN RIVER - KRAMER JUNCTION	FIXED	SELL
104997	1/27/2023	1/27/2023	1/27/2023	5000	9.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104998	1/27/2023	1/27/2023	1/27/2023	5000	10		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104996	1/27/2023	1/27/2023	1/27/2023	4900	9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104999	1/27/2023	1/28/2023	1/28/2023	10000	7.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104995	1/27/2023	1/28/2023	1/28/2023	10000	7.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104994	1/27/2023	1/28/2023	1/28/2023	10000	7.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105000	1/27/2023	1/28/2023	1/28/2023	5000	7.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105012	1/27/2023	1/28/2023	1/29/2023	2500	8.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105011	1/27/2023	1/28/2023	1/29/2023	2500	8.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105013	1/27/2023	1/28/2023	1/29/2023	2500	8.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105014	1/27/2023	1/28/2023	1/29/2023	2500	8.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
104985	1/27/2023	1/28/2023	1/30/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104988	1/27/2023	1/28/2023	1/30/2023	20000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104987	1/27/2023	1/28/2023	1/30/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104993	1/27/2023	1/28/2023	1/30/2023	5000	13.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104991	1/27/2023	1/28/2023	1/30/2023	7500	13.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104992	1/27/2023	1/28/2023	1/30/2023	2500	9.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104990	1/27/2023	1/28/2023	1/30/2023	10000	15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
104986	1/27/2023	1/28/2023	1/30/2023	6000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
104989	1/27/2023	1/28/2023	1/30/2023	4000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105039	1/30/2023	1/30/2023	1/30/2023	5000	9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105060	1/30/2023	1/30/2023	1/30/2023	2800	11		KERN RIVER - KERN RIVER DLV	FIXED	BUY
105058	1/30/2023	1/30/2023	1/30/2023	5000	10.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105044	1/30/2023	1/30/2023	1/30/2023	5000	9.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105041	1/30/2023	1/30/2023	1/30/2023	5000	9.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105061	1/30/2023	1/30/2023	1/30/2023	5000	13		KERN RIVER - KERN RIVER DLV	FIXED	BUY
105042	1/30/2023	1/30/2023	1/30/2023	1300	9.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105046	1/30/2023	1/30/2023	1/30/2023	2500	10.26		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105045	1/30/2023	1/30/2023	1/30/2023	10000	10.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105059	1/30/2023	1/30/2023	1/30/2023	10000	12.9		KERN RIVER - KERN RIVER DLV	FIXED	BUY
105043	1/30/2023	1/30/2023	1/30/2023	5000	9.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105040	1/30/2023	1/30/2023	1/30/2023	5000	9.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105031	1/30/2023	1/31/2023	1/31/2023	1800	8.27		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105024	1/30/2023	1/31/2023	1/31/2023	5000	8.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105019	1/30/2023	1/31/2023	1/31/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105035	1/30/2023	1/31/2023	1/31/2023	2500	9.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105038	1/30/2023	1/31/2023	1/31/2023	1300	8.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105034	1/30/2023	1/31/2023	1/31/2023	5000	9.11		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105025	1/30/2023	1/31/2023	1/31/2023	5000	8.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105016	1/30/2023	1/31/2023	1/31/2023	1500	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105020	1/30/2023	1/31/2023	1/31/2023	8500	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105023	1/30/2023	1/31/2023	1/31/2023	5000	8.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105037	1/30/2023	1/31/2023	1/31/2023	2500	9.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105029	1/30/2023	1/31/2023	1/31/2023	1800	8.27		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105033	1/30/2023	1/31/2023	1/31/2023	2500	9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105030	1/30/2023	1/31/2023	1/31/2023	1800	8.27		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105017	1/30/2023	1/31/2023	1/31/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105022	1/30/2023	1/31/2023	1/31/2023	5000	8.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105036	1/30/2023	1/31/2023	1/31/2023	10000	9.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105021	1/30/2023	1/31/2023	1/31/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105027	1/30/2023	1/31/2023	1/31/2023	1800	8.27		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY

105026	1/30/2023	1/31/2023	1/31/2023	100	8.27		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105032	1/30/2023	1/31/2023	1/31/2023	1000	9.01		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105028	1/30/2023	1/31/2023	1/31/2023	1800	8.27		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105018	1/30/2023	1/31/2023	1/31/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105089	1/31/2023	1/31/2023	1/31/2023	5000	25		KERN RIVER - KERN RIVER DLV	FIXED	BUY
105087	1/31/2023	1/31/2023	1/31/2023	12500	19.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105088	1/31/2023	1/31/2023	1/31/2023	5000	24		KERN RIVER - KERN RIVER DLV	FIXED	BUY
105075	1/31/2023	2/1/2023	2/1/2023	5000	11		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105085	1/31/2023	2/1/2023	2/1/2023	100	11.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105083	1/31/2023	2/1/2023	2/1/2023	5000	12.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105067	1/31/2023	2/1/2023	2/1/2023	5000	10.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105063	1/31/2023	2/1/2023	2/1/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105072	1/31/2023	2/1/2023	2/1/2023	5000	10.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105071	1/31/2023	2/1/2023	2/1/2023	1400	11.4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105086	1/31/2023	2/1/2023	2/1/2023	100	11.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105084	1/31/2023	2/1/2023	2/1/2023	5000	12.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105073	1/31/2023	2/1/2023	2/1/2023	5000	11.4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105065	1/31/2023	2/1/2023	2/1/2023	5000	10.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105076	1/31/2023	2/1/2023	2/1/2023	1600	10.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105069	1/31/2023	2/1/2023	2/1/2023	400	10.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105074	1/31/2023	2/1/2023	2/1/2023	4600	10.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105070	1/31/2023	2/1/2023	2/1/2023	5000	10.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105068	1/31/2023	2/1/2023	2/1/2023	5000	11		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105062	1/31/2023	2/1/2023	2/1/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105078	1/31/2023	2/1/2023	2/1/2023	5000	10.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105082	1/31/2023	2/1/2023	2/1/2023	5000	12.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105064	1/31/2023	2/1/2023	2/1/2023	2500	10.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105081	1/31/2023	2/1/2023	2/1/2023	5000	12		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105077	1/31/2023	2/1/2023	2/1/2023	2500	10.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105080	1/31/2023	2/1/2023	2/1/2023	2500	12		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105079	1/31/2023	2/1/2023	2/1/2023	5000	11		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105066	1/31/2023	2/1/2023	2/1/2023	5000	10.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105136	2/1/2023	2/1/2023	2/1/2023	10000	14		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105138	2/1/2023	2/1/2023	2/1/2023	10000	16		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105137	2/1/2023	2/1/2023	2/1/2023	10000	16		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105127	2/1/2023	2/2/2023	2/2/2023	1000	11		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105134	2/1/2023	2/2/2023	2/2/2023	2500	16.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105121	2/1/2023	2/2/2023	2/2/2023	5000	17		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105135	2/1/2023	2/2/2023	2/2/2023	5000	16.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105123	2/1/2023	2/2/2023	2/2/2023	5000	14.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105131	2/1/2023	2/2/2023	2/2/2023	2500	18.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105120	2/1/2023	2/2/2023	2/2/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105124	2/1/2023	2/2/2023	2/2/2023	5000	12.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105129	2/1/2023	2/2/2023	2/2/2023	5000	13.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105122	2/1/2023	2/2/2023	2/2/2023	5000	15.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105126	2/1/2023	2/2/2023	2/2/2023	5000	16.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105133	2/1/2023	2/2/2023	2/2/2023	5000	18		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105132	2/1/2023	2/2/2023	2/2/2023	5000	18		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105125	2/1/2023	2/2/2023	2/2/2023	2500	12.55		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105130	2/1/2023	2/2/2023	2/2/2023	5000	18		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105128	2/1/2023	2/2/2023	2/2/2023	4000	11		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105179	2/2/2023	2/2/2023	2/2/2023	5000	5.6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105184	2/2/2023	2/2/2023	2/2/2023	5000	7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105178	2/2/2023	2/2/2023	2/2/2023	4900	5.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105180	2/2/2023	2/2/2023	2/2/2023	4000	5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105183	2/2/2023	2/2/2023	2/2/2023	4000	5.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105182	2/2/2023	2/2/2023	2/2/2023	3500	5.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105185	2/2/2023	2/2/2023	2/2/2023	5000	6.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105181	2/2/2023	2/2/2023	2/2/2023	3500	5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105172	2/2/2023	2/3/2023	2/3/2023	5000	5.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105161	2/2/2023	2/3/2023	2/3/2023	5000	4.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105166	2/2/2023	2/3/2023	2/3/2023	5000	4.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105169	2/2/2023	2/3/2023	2/3/2023	2500	5.5		KERN RIVER - KRAMER JUNCTION	FIXED	SELL
105155	2/2/2023	2/3/2023	2/3/2023	5000	4.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105157	2/2/2023	2/3/2023	2/3/2023	5000	4.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105158	2/2/2023	2/3/2023	2/3/2023	3800	4.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105168	2/2/2023	2/3/2023	2/3/2023	2700	4.4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105167	2/2/2023	2/3/2023	2/3/2023	2300	4.4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105174	2/2/2023	2/3/2023	2/3/2023	5000	5.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105173	2/2/2023	2/3/2023	2/3/2023	5000	5.135		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105153	2/2/2023	2/3/2023	2/3/2023	2000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105171	2/2/2023	2/3/2023	2/3/2023	10000	5.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105175	2/2/2023	2/3/2023	2/3/2023	5000	5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105150	2/2/2023	2/3/2023	2/3/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105151	2/2/2023	2/3/2023	2/3/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105162	2/2/2023	2/3/2023	2/3/2023	5000	4.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105177	2/2/2023	2/3/2023	2/3/2023	5000	5.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105160	2/2/2023	2/3/2023	2/3/2023	5000	4.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105165	2/2/2023	2/3/2023	2/3/2023	1200	4.67		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY

105152	2/2/2023	2/3/2023	2/3/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105154	2/2/2023	2/3/2023	2/3/2023	26800	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105163	2/2/2023	2/3/2023	2/3/2023	1200	4.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105176	2/2/2023	2/3/2023	2/3/2023	5000	5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105164	2/2/2023	2/3/2023	2/3/2023	3800	4.69		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105159	2/2/2023	2/3/2023	2/3/2023	5000	4.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105170	2/2/2023	2/3/2023	2/3/2023	5000	5.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105156	2/2/2023	2/3/2023	2/3/2023	2500	4.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105197	2/3/2023	2/3/2023	2/3/2023	5000	4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105188	2/3/2023	2/4/2023	2/6/2023	1400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105196	2/3/2023	2/4/2023	2/6/2023	5500	3.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105198	2/3/2023	2/4/2023	2/6/2023	1000	4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105194	2/3/2023	2/4/2023	2/6/2023	5000	3.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105186	2/3/2023	2/4/2023	2/6/2023	6000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105191	2/3/2023	2/4/2023	2/6/2023	5000	3.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105209	2/3/2023	2/4/2023	2/6/2023	700	4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105187	2/3/2023	2/4/2023	2/6/2023	4000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105192	2/3/2023	2/4/2023	2/6/2023	10000	3.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105195	2/3/2023	2/4/2023	2/6/2023	3000	3.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105190	2/3/2023	2/4/2023	2/6/2023	2500	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105210	2/3/2023	2/4/2023	2/6/2023	3300	4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105189	2/3/2023	2/4/2023	2/6/2023	2500	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105193	2/3/2023	2/4/2023	2/6/2023	10000	3.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105212	2/4/2023	2/4/2023	2/4/2023	5000	5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105211	2/4/2023	2/4/2023	2/4/2023	10000	4.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105221	2/6/2023	2/7/2023	2/7/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105243	2/6/2023	2/7/2023	2/7/2023	5000	4.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105237	2/6/2023	2/7/2023	2/7/2023	4200	4.13		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105235	2/6/2023	2/7/2023	2/7/2023	5000	3.67		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105240	2/6/2023	2/7/2023	2/7/2023	5000	4.175		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105226	2/6/2023	2/7/2023	2/7/2023	5000	3.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105227	2/6/2023	2/7/2023	2/7/2023	5000	3.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105239	2/6/2023	2/7/2023	2/7/2023	5000	4.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105222	2/6/2023	2/7/2023	2/7/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105242	2/6/2023	2/7/2023	2/7/2023	5000	4.13		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105245	2/6/2023	2/7/2023	2/7/2023	5000	4.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105229	2/6/2023	2/7/2023	2/7/2023	5000	3.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105228	2/6/2023	2/7/2023	2/7/2023	5000	3.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105223	2/6/2023	2/7/2023	2/7/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105244	2/6/2023	2/7/2023	2/7/2023	5000	4.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105234	2/6/2023	2/7/2023	2/7/2023	3000	3.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105231	2/6/2023	2/7/2023	2/7/2023	5000	3.82		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105230	2/6/2023	2/7/2023	2/7/2023	5000	3.835		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105233	2/6/2023	2/7/2023	2/7/2023	5000	3.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105232	2/6/2023	2/7/2023	2/7/2023	5000	3.835		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105236	2/6/2023	2/7/2023	2/7/2023	5000	3.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105224	2/6/2023	2/7/2023	2/7/2023	8000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105225	2/6/2023	2/7/2023	2/7/2023	2500	3.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105241	2/6/2023	2/7/2023	2/7/2023	5000	4.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105247	2/6/2023	2/7/2023	2/7/2023	5000	4.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105238	2/6/2023	2/7/2023	2/7/2023	5000	4.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105246	2/6/2023	2/7/2023	2/7/2023	5000	4.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105285	2/7/2023	2/7/2023	2/7/2023	5000	4.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105258	2/7/2023	2/8/2023	2/8/2023	5000	4.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105277	2/7/2023	2/8/2023	2/8/2023	5000	4.345		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105282	2/7/2023	2/8/2023	2/8/2023	3900	4.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105261	2/7/2023	2/8/2023	2/8/2023	5000	4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105273	2/7/2023	2/8/2023	2/8/2023	5000	4.385		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105283	2/7/2023	2/8/2023	2/8/2023	2500	4.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105284	2/7/2023	2/8/2023	2/8/2023	2200	4.375		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105278	2/7/2023	2/8/2023	2/8/2023	4000	4.375		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105256	2/7/2023	2/8/2023	2/8/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105263	2/7/2023	2/8/2023	2/8/2023	2500	3.91		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105276	2/7/2023	2/8/2023	2/8/2023	5000	4.305		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105266	2/7/2023	2/8/2023	2/8/2023	4000	4.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105269	2/7/2023	2/8/2023	2/8/2023	5000	3.77		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105279	2/7/2023	2/8/2023	2/8/2023	2800	4.375		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105260	2/7/2023	2/8/2023	2/8/2023	1500	4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105265	2/7/2023	2/8/2023	2/8/2023	5000	4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105262	2/7/2023	2/8/2023	2/8/2023	5000	4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105272	2/7/2023	2/8/2023	2/8/2023	5000	4.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105264	2/7/2023	2/8/2023	2/8/2023	5000	4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105275	2/7/2023	2/8/2023	2/8/2023	5000	4.345		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105274	2/7/2023	2/8/2023	2/8/2023	2500	4.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105280	2/7/2023	2/8/2023	2/8/2023	5000	4.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105268	2/7/2023	2/8/2023	2/8/2023	5000	3.9875		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105271	2/7/2023	2/8/2023	2/8/2023	5000	4.345		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105267	2/7/2023	2/8/2023	2/8/2023	5000	3.99		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105259	2/7/2023	2/8/2023	2/8/2023	5000	4.005		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY

105257	2/7/2023	2/8/2023	2/8/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105255	2/7/2023	2/8/2023	2/8/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105270	2/7/2023	2/8/2023	2/8/2023	5000	3.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105281	2/7/2023	2/8/2023	2/8/2023	5000	4.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105292	2/8/2023	2/9/2023	2/9/2023	5000	4.865		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105306	2/8/2023	2/9/2023	2/9/2023	5000	5.13		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105290	2/8/2023	2/9/2023	2/9/2023	2500	4.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105295	2/8/2023	2/9/2023	2/9/2023	5000	4.825		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105293	2/8/2023	2/9/2023	2/9/2023	10000	4.885		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105300	2/8/2023	2/9/2023	2/9/2023	5000	5.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105297	2/8/2023	2/9/2023	2/9/2023	5000	4.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105305	2/8/2023	2/9/2023	2/9/2023	5000	4.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105296	2/8/2023	2/9/2023	2/9/2023	5000	4.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105288	2/8/2023	2/9/2023	2/9/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105298	2/8/2023	2/9/2023	2/9/2023	5000	4.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105294	2/8/2023	2/9/2023	2/9/2023	10000	4.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105301	2/8/2023	2/9/2023	2/9/2023	5000	5.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105303	2/8/2023	2/9/2023	2/9/2023	5000	5.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105291	2/8/2023	2/9/2023	2/9/2023	5000	4.88		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105286	2/8/2023	2/9/2023	2/9/2023	6700	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105302	2/8/2023	2/9/2023	2/9/2023	5000	5.08		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105289	2/8/2023	2/9/2023	2/9/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105287	2/8/2023	2/9/2023	2/9/2023	600	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105299	2/8/2023	2/9/2023	2/9/2023	2500	5.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105304	2/8/2023	2/9/2023	2/9/2023	2500	5.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105315	2/9/2023	2/8/2023	2/8/2023	5000	4.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105342	2/9/2023	2/9/2023	2/9/2023	10000	5.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105329	2/9/2023	2/10/2023	2/10/2023	5000	4.825		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105339	2/9/2023	2/10/2023	2/10/2023	700	5.125		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105330	2/9/2023	2/10/2023	2/10/2023	5000	5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105327	2/9/2023	2/10/2023	2/10/2023	5000	4.81		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105334	2/9/2023	2/10/2023	2/10/2023	5000	4.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105328	2/9/2023	2/10/2023	2/10/2023	3200	4.765		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105325	2/9/2023	2/10/2023	2/10/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105324	2/9/2023	2/10/2023	2/10/2023	7500	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105336	2/9/2023	2/10/2023	2/10/2023	3900	5.12		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105337	2/9/2023	2/10/2023	2/10/2023	5000	5.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105331	2/9/2023	2/10/2023	2/10/2023	5000	5.05		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105340	2/9/2023	2/10/2023	2/10/2023	400	5.125		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105341	2/9/2023	2/10/2023	2/10/2023	600	5.125		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105335	2/9/2023	2/10/2023	2/10/2023	200	5.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105326	2/9/2023	2/10/2023	2/10/2023	2500	4.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105332	2/9/2023	2/10/2023	2/10/2023	5000	4.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105338	2/9/2023	2/10/2023	2/10/2023	5000	5.09		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105333	2/9/2023	2/10/2023	2/10/2023	5000	4.925		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105378	2/10/2023	2/10/2023	2/10/2023	10000	5.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105373	2/10/2023	2/11/2023	2/13/2023	2500	5.45		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105359	2/10/2023	2/11/2023	2/13/2023	2500	5.09		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105354	2/10/2023	2/11/2023	2/13/2023	1300	5.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105357	2/10/2023	2/11/2023	2/13/2023	10000	5.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105365	2/10/2023	2/11/2023	2/13/2023	5000	5.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105372	2/10/2023	2/11/2023	2/13/2023	5000	5.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105353	2/10/2023	2/11/2023	2/13/2023	5500	5.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105351	2/10/2023	2/11/2023	2/13/2023	300	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105366	2/10/2023	2/11/2023	2/13/2023	5000	5.45		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105355	2/10/2023	2/11/2023	2/13/2023	5000	5.08		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105363	2/10/2023	2/11/2023	2/13/2023	2600	5.095		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105374	2/10/2023	2/11/2023	2/13/2023	5000	5.475		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105371	2/10/2023	2/11/2023	2/13/2023	5000	5.45		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105360	2/10/2023	2/11/2023	2/13/2023	5000	5.05		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105367	2/10/2023	2/11/2023	2/13/2023	5000	5.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105376	2/10/2023	2/11/2023	2/13/2023	5000	5.34		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105364	2/10/2023	2/11/2023	2/13/2023	5000	4.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105368	2/10/2023	2/11/2023	2/13/2023	5000	5.475		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105370	2/10/2023	2/11/2023	2/13/2023	5000	5.375		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105352	2/10/2023	2/11/2023	2/13/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105377	2/10/2023	2/11/2023	2/13/2023	5000	5.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105361	2/10/2023	2/11/2023	2/13/2023	5000	5.09		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105369	2/10/2023	2/11/2023	2/13/2023	2500	5.375		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105356	2/10/2023	2/11/2023	2/13/2023	2500	5.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105362	2/10/2023	2/11/2023	2/13/2023	2500	5.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105375	2/10/2023	2/11/2023	2/13/2023	5000	5.475		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105358	2/10/2023	2/11/2023	2/13/2023	10000	5.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105379	2/12/2023	2/12/2023	2/12/2023	18000	6.05		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105411	2/13/2023	2/13/2023	2/13/2023	5000	5.35		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105401	2/13/2023	2/13/2023	2/13/2023	2500	5.6		KERN RIVER - KERN RIVER DLV	FIXED	BUY
105398	2/13/2023	2/13/2023	2/13/2023	2500	5.64		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105399	2/13/2023	2/13/2023	2/13/2023	5000	5.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105400	2/13/2023	2/13/2023	2/13/2023	5000	5.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY

105380	2/13/2023	2/14/2023	2/14/2023	25000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105385	2/13/2023	2/14/2023	2/14/2023	1800	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105381	2/13/2023	2/14/2023	2/14/2023	15000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105389	2/13/2023	2/14/2023	2/14/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105382	2/13/2023	2/14/2023	2/14/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105391	2/13/2023	2/14/2023	2/14/2023	5000	5.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105393	2/13/2023	2/14/2023	2/14/2023	5000	5.77		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105384	2/13/2023	2/14/2023	2/14/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105392	2/13/2023	2/14/2023	2/14/2023	5000	5.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105390	2/13/2023	2/14/2023	2/14/2023	5000	5.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105394	2/13/2023	2/14/2023	2/14/2023	2500	5.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105383	2/13/2023	2/14/2023	2/14/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105388	2/13/2023	2/14/2023	2/14/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105396	2/13/2023	2/14/2023	2/14/2023	2400	6.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105387	2/13/2023	2/14/2023	2/14/2023	2000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105386	2/13/2023	2/14/2023	2/14/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105395	2/13/2023	2/14/2023	2/14/2023	5000	6.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105397	2/13/2023	2/14/2023	2/14/2023	2500	6.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105425	2/14/2023	2/14/2023	2/14/2023	5000	4.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105426	2/14/2023	2/14/2023	2/14/2023	3000	4.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105427	2/14/2023	2/14/2023	2/14/2023	10000	5.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105413	2/14/2023	2/15/2023	2/15/2023	3400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105417	2/14/2023	2/15/2023	2/15/2023	5000	4.88		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105424	2/14/2023	2/15/2023	2/15/2023	100	5.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105420	2/14/2023	2/15/2023	2/15/2023	5000	5.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105415	2/14/2023	2/15/2023	2/15/2023	6800	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105421	2/14/2023	2/15/2023	2/15/2023	4200	4.85		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105423	2/14/2023	2/15/2023	2/15/2023	2400	5.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105416	2/14/2023	2/15/2023	2/15/2023	1600	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105422	2/14/2023	2/15/2023	2/15/2023	5000	5.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105419	2/14/2023	2/15/2023	2/15/2023	5000	4.89		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105414	2/14/2023	2/15/2023	2/15/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105412	2/14/2023	2/15/2023	2/15/2023	16600	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105418	2/14/2023	2/15/2023	2/15/2023	5000	4.89		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105468	2/15/2023	2/15/2023	2/15/2023	16500	6.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105469	2/15/2023	2/15/2023	2/15/2023	8000	6.6		KERN RIVER - KERN RIVER DLV	FIXED	BUY
105448	2/15/2023	2/16/2023	2/16/2023	1000	6.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105452	2/15/2023	2/16/2023	2/16/2023	2600	7.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105439	2/15/2023	2/16/2023	2/16/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105459	2/15/2023	2/16/2023	2/16/2023	5000	7.45		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105445	2/15/2023	2/16/2023	2/16/2023	1900	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105454	2/15/2023	2/16/2023	2/16/2023	2500	7.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105438	2/15/2023	2/16/2023	2/16/2023	8600	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105441	2/15/2023	2/16/2023	2/16/2023	1400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105455	2/15/2023	2/16/2023	2/16/2023	5000	6.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105442	2/15/2023	2/16/2023	2/16/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105457	2/15/2023	2/16/2023	2/16/2023	5000	7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105451	2/15/2023	2/16/2023	2/16/2023	4000	7.08		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105456	2/15/2023	2/16/2023	2/16/2023	5000	6.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105444	2/15/2023	2/16/2023	2/16/2023	8100	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105443	2/15/2023	2/16/2023	2/16/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105447	2/15/2023	2/16/2023	2/16/2023	5000	7.175		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105440	2/15/2023	2/16/2023	2/16/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105453	2/15/2023	2/16/2023	2/16/2023	2500	7.16		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105461	2/15/2023	2/16/2023	2/16/2023	2500	7.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105446	2/15/2023	2/16/2023	2/16/2023	2400	7.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105458	2/15/2023	2/16/2023	2/16/2023	2400	7.09		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105460	2/15/2023	2/16/2023	2/16/2023	2500	7.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105449	2/15/2023	2/16/2023	2/16/2023	1700	7.05		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105450	2/15/2023	2/16/2023	2/16/2023	1000	7.08		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105490	2/16/2023	2/16/2023	2/16/2023	6000	7.3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105492	2/16/2023	2/16/2023	2/16/2023	6000	7.85		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105491	2/16/2023	2/16/2023	2/16/2023	3000	8.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105484	2/16/2023	2/17/2023	2/17/2023	5000	6.825		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105473	2/16/2023	2/17/2023	2/17/2023	8900	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105470	2/16/2023	2/17/2023	2/17/2023	5600	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105485	2/16/2023	2/17/2023	2/17/2023	3200	6.725		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105482	2/16/2023	2/17/2023	2/17/2023	5000	6.655		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105478	2/16/2023	2/17/2023	2/17/2023	5000	6.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105487	2/16/2023	2/17/2023	2/17/2023	5000	7.025		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105476	2/16/2023	2/17/2023	2/17/2023	1100	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105477	2/16/2023	2/17/2023	2/17/2023	2800	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105483	2/16/2023	2/17/2023	2/17/2023	5000	6.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105488	2/16/2023	2/17/2023	2/17/2023	5000	7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105480	2/16/2023	2/17/2023	2/17/2023	4000	6.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105471	2/16/2023	2/17/2023	2/17/2023	7200	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105474	2/16/2023	2/17/2023	2/17/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105475	2/16/2023	2/17/2023	2/17/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105472	2/16/2023	2/17/2023	2/17/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY

105479	2/16/2023	2/17/2023	2/17/2023	3500	6.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105486	2/16/2023	2/17/2023	2/17/2023	1800	6.725		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105489	2/16/2023	2/17/2023	2/17/2023	5000	7.0225		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105481	2/16/2023	2/17/2023	2/17/2023	5000	6.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105561	2/17/2023	2/18/2023	2/21/2023	1100	5.31		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105565	2/17/2023	2/18/2023	2/21/2023	5500	5.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105559	2/17/2023	2/18/2023	2/21/2023	5000	5.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105551	2/17/2023	2/18/2023	2/21/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105560	2/17/2023	2/18/2023	2/21/2023	5000	5.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105566	2/17/2023	2/18/2023	2/21/2023	500	6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105568	2/17/2023	2/18/2023	2/21/2023	5000	5.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105570	2/17/2023	2/18/2023	2/21/2023	2500	5.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105564	2/17/2023	2/18/2023	2/21/2023	5000	6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105563	2/17/2023	2/18/2023	2/21/2023	10000	4.6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105569	2/17/2023	2/18/2023	2/21/2023	5000	5.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105562	2/17/2023	2/18/2023	2/21/2023	2000	5.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105571	2/17/2023	2/18/2023	2/21/2023	5000	5.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105567	2/17/2023	2/18/2023	2/21/2023	3500	5.85		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105504	2/17/2023	5/1/2023	5/31/2023	20000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105521	2/17/2023	5/1/2023	5/31/2023	2000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105511	2/17/2023	5/1/2023	6/30/2023	14000	0	IF ROCKIES	KERN RIVER - PIONEER-JONAH GAS GATHERING	INDEX	BUY
105505	2/17/2023	6/1/2023	6/30/2023	13000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105512	2/17/2023	7/1/2023	7/31/2023	8000	0	IF ROCKIES	KERN RIVER - PIONEER-JONAH GAS GATHERING	INDEX	BUY
105506	2/17/2023	7/1/2023	7/31/2023	8000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105513	2/17/2023	8/1/2023	8/31/2023	14000	0	IF ROCKIES	KERN RIVER - PIONEER-JONAH GAS GATHERING	INDEX	BUY
105507	2/17/2023	8/1/2023	8/31/2023	17000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105535	2/17/2023	9/1/2023	9/30/2023	21500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105510	2/17/2023	4/1/2023	10/31/2023	6000	0	IF ROCKIES	KERN RIVER - PIONEER-JONAH GAS GATHERING	INDEX	BUY
105514	2/17/2023	10/1/2023	10/31/2023	14000	0	IF ROCKIES	KERN RIVER - PIONEER-JONAH GAS GATHERING	INDEX	BUY
105542	2/17/2023	10/1/2023	10/31/2023	1000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105508	2/17/2023	10/1/2023	10/31/2023	20000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105536	2/17/2023	10/1/2023	10/31/2023	10000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105503	2/17/2023	4/1/2023	10/31/2023	20000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105541	2/17/2023	4/1/2023	10/31/2023	10000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105540	2/17/2023	4/1/2023	10/31/2023	12500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105517	2/17/2023	4/1/2023	10/31/2023	10000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105522	2/17/2023	11/1/2023	11/30/2023	21500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105515	2/17/2023	12/1/2023	12/31/2023	14000	0	IF ROCKIES	KERN RIVER - PIONEER-JONAH GAS GATHERING	INDEX	BUY
105545	2/17/2023	12/1/2023	12/31/2023	5000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105509	2/17/2023	12/1/2023	1/31/2024	20000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105544	2/17/2023	12/1/2023	2/29/2024	2500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105543	2/17/2023	11/1/2023	3/31/2024	7500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105518	2/17/2023	11/1/2023	3/31/2024	10000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105550	2/17/2023	11/1/2023	3/31/2024	10000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105537	2/17/2023	11/1/2023	10/31/2024	31500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105520	2/17/2023	4/1/2023	3/31/2025	11000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105585	2/21/2023	2/21/2023	2/21/2023	5000	6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105573	2/21/2023	2/22/2023	2/22/2023	200	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105581	2/21/2023	2/22/2023	2/22/2023	10000	6.84		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105579	2/21/2023	2/22/2023	2/22/2023	2500	6.55		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105583	2/21/2023	2/22/2023	2/22/2023	5000	6.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105576	2/21/2023	2/22/2023	2/22/2023	1400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105574	2/21/2023	2/22/2023	2/22/2023	15000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105575	2/21/2023	2/22/2023	2/22/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105582	2/21/2023	2/22/2023	2/22/2023	1000	6.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105580	2/21/2023	2/22/2023	2/22/2023	5000	6.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105578	2/21/2023	2/22/2023	2/22/2023	5000	6.55		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105577	2/21/2023	2/22/2023	2/22/2023	5000	6.4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105572	2/21/2023	2/22/2023	2/22/2023	6100	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105584	2/21/2023	2/22/2023	2/22/2023	4000	6.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105617	2/22/2023	2/22/2023	2/22/2023	2500	7.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105616	2/22/2023	2/22/2023	2/22/2023	2500	7.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105614	2/22/2023	2/23/2023	2/23/2023	1000	8.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105606	2/22/2023	2/23/2023	2/23/2023	1400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105601	2/22/2023	2/23/2023	2/23/2023	8600	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105600	2/22/2023	2/23/2023	2/23/2023	5000	8.4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105610	2/22/2023	2/23/2023	2/23/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105608	2/22/2023	2/23/2023	2/23/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105604	2/22/2023	2/23/2023	2/23/2023	2100	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105607	2/22/2023	2/23/2023	2/23/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105613	2/22/2023	2/23/2023	2/23/2023	1000	8.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105615	2/22/2023	2/23/2023	2/23/2023	1000	8.45		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105605	2/22/2023	2/23/2023	2/23/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105609	2/22/2023	2/23/2023	2/23/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105603	2/22/2023	2/23/2023	2/23/2023	12900	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105602	2/22/2023	2/23/2023	2/23/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105612	2/22/2023	2/23/2023	2/23/2023	100	8.4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105611	2/22/2023	2/23/2023	2/23/2023	2500	8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105650	2/23/2023	2/23/2023	2/23/2023	5000	13		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY

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105743	2/28/2023	3/1/2023	3/1/2023	100	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105748	2/28/2023	3/1/2023	3/1/2023	2400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105759	2/28/2023	3/1/2023	3/1/2023	2500	7.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105751	2/28/2023	3/1/2023	3/1/2023	2500	7.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105756	2/28/2023	3/1/2023	3/1/2023	5000	7.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105754	2/28/2023	3/1/2023	3/1/2023	5000	7.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105747	2/28/2023	3/1/2023	3/1/2023	2400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105739	2/28/2023	3/1/2023	3/1/2023	2000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105806	3/1/2023	3/1/2023	3/1/2023	7000	11.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105776	3/1/2023	3/2/2023	3/2/2023	5000	11.55		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105786	3/1/2023	3/2/2023	3/2/2023	5000	10.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105784	3/1/2023	3/2/2023	3/2/2023	5000	11.05		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105774	3/1/2023	3/2/2023	3/2/2023	5000	10.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105777	3/1/2023	3/2/2023	3/2/2023	5000	11.55		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105780	3/1/2023	3/2/2023	3/2/2023	800	11.3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105785	3/1/2023	3/2/2023	3/2/2023	4900	11.05		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105781	3/1/2023	3/2/2023	3/2/2023	5000	11.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105769	3/1/2023	3/2/2023	3/2/2023	7100	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105771	3/1/2023	3/2/2023	3/2/2023	100	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105772	3/1/2023	3/2/2023	3/2/2023	8300	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105788	3/1/2023	3/2/2023	3/2/2023	5000	10.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105782	3/1/2023	3/2/2023	3/2/2023	5000	11.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105778	3/1/2023	3/2/2023	3/2/2023	5000	11.35		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105773	3/1/2023	3/2/2023	3/2/2023	2800	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105787	3/1/2023	3/2/2023	3/2/2023	5000	10.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105775	3/1/2023	3/2/2023	3/2/2023	5000	11.55		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105770	3/1/2023	3/2/2023	3/2/2023	100	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105783	3/1/2023	3/2/2023	3/2/2023	5000	11.05		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105779	3/1/2023	3/2/2023	3/2/2023	5000	11.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105835	3/2/2023	3/2/2023	3/2/2023	5000	11.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105836	3/2/2023	3/2/2023	3/2/2023	2000	11		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105839	3/2/2023	3/2/2023	3/2/2023	100	12		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105838	3/2/2023	3/2/2023	3/2/2023	5000	12		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105840	3/2/2023	3/2/2023	3/2/2023	100	11.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105833	3/2/2023	3/2/2023	3/2/2023	5000	10.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105837	3/2/2023	3/2/2023	3/2/2023	5000	12		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105834	3/2/2023	3/2/2023	3/2/2023	5000	11.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105824	3/2/2023	3/3/2023	3/3/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105822	3/2/2023	3/3/2023	3/3/2023	600	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105830	3/2/2023	3/3/2023	3/3/2023	2200	11.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105821	3/2/2023	3/3/2023	3/3/2023	800	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105831	3/2/2023	3/3/2023	3/3/2023	5000	10.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105828	3/2/2023	3/3/2023	3/3/2023	5000	11.265		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105826	3/2/2023	3/3/2023	3/3/2023	5000	11.3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105823	3/2/2023	3/3/2023	3/3/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105819	3/2/2023	3/3/2023	3/3/2023	200	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105827	3/2/2023	3/3/2023	3/3/2023	5000	10.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105832	3/2/2023	3/3/2023	3/3/2023	5000	11.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105829	3/2/2023	3/3/2023	3/3/2023	5000	10.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105825	3/2/2023	3/3/2023	3/3/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105820	3/2/2023	3/3/2023	3/3/2023	8400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105903	3/3/2023	3/4/2023	3/6/2023	7500	7.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105914	3/3/2023	3/4/2023	3/6/2023	5000	7.6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105905	3/3/2023	3/4/2023	3/6/2023	4500	7.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105913	3/3/2023	3/4/2023	3/6/2023	5000	7.66		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105898	3/3/2023	3/4/2023	3/6/2023	5500	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105910	3/3/2023	3/4/2023	3/6/2023	600	7.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105912	3/3/2023	3/4/2023	3/6/2023	5000	7.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105896	3/3/2023	3/4/2023	3/6/2023	9500	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105909	3/3/2023	3/4/2023	3/6/2023	2500	7.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105897	3/3/2023	3/4/2023	3/6/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105904	3/3/2023	3/4/2023	3/6/2023	1200	7.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105902	3/3/2023	3/4/2023	3/6/2023	5000	7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105900	3/3/2023	3/4/2023	3/6/2023	1500	7.6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105907	3/3/2023	3/4/2023	3/6/2023	2500	7.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105908	3/3/2023	3/4/2023	3/6/2023	5000	7.48		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105901	3/3/2023	3/4/2023	3/6/2023	500	7.505		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105906	3/3/2023	3/4/2023	3/6/2023	5000	7.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105911	3/3/2023	3/4/2023	3/6/2023	5000	7.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105899	3/3/2023	3/4/2023	3/6/2023	10000	7.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105952	3/6/2023	3/6/2023	3/6/2023	10000	9.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105939	3/6/2023	3/6/2023	3/6/2023	10000	9.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105934	3/6/2023	3/7/2023	3/7/2023	5000	9.165		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105933	3/6/2023	3/7/2023	3/7/2023	10000	9.35		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
105929	3/6/2023	3/7/2023	3/7/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105938	3/6/2023	3/7/2023	3/7/2023	5000	10		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105927	3/6/2023	3/7/2023	3/7/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
105937	3/6/2023	3/7/2023	3/7/2023	5000	9.6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
105932	3/6/2023	3/7/2023	3/7/2023	5000	9.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY

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106294	3/21/2023	3/22/2023	3/22/2023	2500	6.6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106284	3/21/2023	3/22/2023	3/22/2023	10000	4.45		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106280	3/21/2023	3/22/2023	3/22/2023	2500	5.35		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106290	3/21/2023	3/22/2023	3/22/2023	5000	6.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106285	3/21/2023	3/22/2023	3/22/2023	2500	4.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106275	3/21/2023	3/22/2023	3/22/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106278	3/21/2023	3/22/2023	3/22/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106332	3/22/2023	3/22/2023	3/22/2023	5000	3.75		KERN RIVER - KERN RIVER DLV	FIXED	BUY
106317	3/22/2023	3/23/2023	3/23/2023	1500	3.35		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106315	3/22/2023	3/23/2023	3/23/2023	3500	3.35		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106323	3/22/2023	3/23/2023	3/23/2023	2500	3.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106306	3/22/2023	3/23/2023	3/23/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106319	3/22/2023	3/23/2023	3/23/2023	5000	3.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106329	3/22/2023	3/23/2023	3/23/2023	900	3.85		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106308	3/22/2023	3/23/2023	3/23/2023	5000	3.42		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106311	3/22/2023	3/23/2023	3/23/2023	5000	3.35		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106321	3/22/2023	3/23/2023	3/23/2023	2000	3.85		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106322	3/22/2023	3/23/2023	3/23/2023	5000	4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106314	3/22/2023	3/23/2023	3/23/2023	5000	3.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106331	3/22/2023	3/23/2023	3/23/2023	5000	3.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106326	3/22/2023	3/23/2023	3/23/2023	500	3.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106316	3/22/2023	3/23/2023	3/23/2023	600	3.35		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106327	3/22/2023	3/23/2023	3/23/2023	500	3.85		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106310	3/22/2023	3/23/2023	3/23/2023	100	3.35		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106320	3/22/2023	3/23/2023	3/23/2023	5000	3.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106325	3/22/2023	3/23/2023	3/23/2023	200	3.85		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106313	3/22/2023	3/23/2023	3/23/2023	6000	3.34		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106312	3/22/2023	3/23/2023	3/23/2023	5000	3.3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106328	3/22/2023	3/23/2023	3/23/2023	2500	4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106318	3/22/2023	3/23/2023	3/23/2023	4900	4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106309	3/22/2023	3/23/2023	3/23/2023	4900	3.35		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106330	3/22/2023	3/23/2023	3/23/2023	5000	4.01		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106307	3/22/2023	3/23/2023	3/23/2023	10000	3.42		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106324	3/22/2023	3/23/2023	3/23/2023	5000	3.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106354	3/23/2023	3/23/2023	3/23/2023	4000	3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106360	3/23/2023	3/23/2023	3/23/2023	2500	3.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106353	3/23/2023	3/23/2023	3/23/2023	5000	3.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106347	3/23/2023	3/24/2023	3/24/2023	5000	2.86		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106348	3/23/2023	3/24/2023	3/24/2023	5000	3.05		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106352	3/23/2023	3/24/2023	3/24/2023	3000	3.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106349	3/23/2023	3/24/2023	3/24/2023	2500	3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106346	3/23/2023	3/24/2023	3/24/2023	5000	2.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106351	3/23/2023	3/24/2023	3/24/2023	2500	3.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106345	3/23/2023	3/24/2023	3/24/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106350	3/23/2023	3/24/2023	3/24/2023	1000	3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106376	3/24/2023	3/24/2023	3/24/2023	5000	3.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106379	3/24/2023	3/24/2023	3/24/2023	5000	3.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106378	3/24/2023	3/24/2023	3/24/2023	5000	3.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106377	3/24/2023	3/24/2023	3/24/2023	3500	3.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106375	3/24/2023	3/25/2023	3/27/2023	2000	4.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106367	3/24/2023	3/25/2023	3/27/2023	5000	3.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106366	3/24/2023	3/25/2023	3/27/2023	500	3.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106362	3/24/2023	3/25/2023	3/27/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106374	3/24/2023	3/25/2023	3/27/2023	300	4.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106371	3/24/2023	3/25/2023	3/27/2023	2500	4.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106361	3/24/2023	3/25/2023	3/27/2023	4200	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106370	3/24/2023	3/25/2023	3/27/2023	5000	3.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106363	3/24/2023	3/25/2023	3/27/2023	5000	3.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106373	3/24/2023	3/25/2023	3/27/2023	2500	4.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106368	3/24/2023	3/25/2023	3/27/2023	5000	3.81		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106364	3/24/2023	3/25/2023	3/27/2023	4000	3.825		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106365	3/24/2023	3/25/2023	3/27/2023	4500	3.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106369	3/24/2023	3/25/2023	3/27/2023	1000	3.825		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106372	3/24/2023	3/25/2023	3/27/2023	2400	4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106407	3/27/2023	3/27/2023	3/27/2023	5000	6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106404	3/27/2023	3/27/2023	3/27/2023	2500	6.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106412	3/27/2023	3/27/2023	3/27/2023	2500	6.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106409	3/27/2023	3/27/2023	3/27/2023	5000	6.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106411	3/27/2023	3/27/2023	3/27/2023	2500	6.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106405	3/27/2023	3/27/2023	3/27/2023	6000	6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106408	3/27/2023	3/27/2023	3/27/2023	1000	6.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106406	3/27/2023	3/27/2023	3/27/2023	5000	5.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106410	3/27/2023	3/27/2023	3/27/2023	2500	6.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106398	3/27/2023	3/28/2023	3/28/2023	5000	5.6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106397	3/27/2023	3/28/2023	3/28/2023	2500	5.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106395	3/27/2023	3/28/2023	3/28/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106387	3/27/2023	3/28/2023	3/28/2023	9000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106388	3/27/2023	3/28/2023	3/28/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106396	3/27/2023	3/28/2023	3/28/2023	5000	5.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY

106390	3/27/2023	3/28/2023	3/28/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106400	3/27/2023	3/28/2023	3/28/2023	5000	5.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106392	3/27/2023	3/28/2023	3/28/2023	3600	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106401	3/27/2023	3/28/2023	3/28/2023	600	5.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106403	3/27/2023	3/28/2023	3/28/2023	1900	5.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106394	3/27/2023	3/28/2023	3/28/2023	4400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106399	3/27/2023	3/28/2023	3/28/2023	5000	5.71		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106391	3/27/2023	3/28/2023	3/28/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106389	3/27/2023	3/28/2023	3/28/2023	1800	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106393	3/27/2023	3/28/2023	3/28/2023	1000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106402	3/27/2023	3/28/2023	3/28/2023	2500	5.925		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106448	3/28/2023	3/28/2023	3/28/2023	5000	6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106432	3/28/2023	3/29/2023	3/29/2023	8600	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106446	3/28/2023	3/29/2023	3/29/2023	5000	5.47		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106431	3/28/2023	3/29/2023	3/29/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106443	3/28/2023	3/29/2023	3/29/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106438	3/28/2023	3/29/2023	3/29/2023	8500	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106447	3/28/2023	3/29/2023	3/29/2023	2200	5.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106445	3/28/2023	3/29/2023	3/29/2023	100	5.32		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106433	3/28/2023	3/29/2023	3/29/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106434	3/28/2023	3/29/2023	3/29/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106437	3/28/2023	3/29/2023	3/29/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106442	3/28/2023	3/29/2023	3/29/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106435	3/28/2023	3/29/2023	3/29/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106439	3/28/2023	3/29/2023	3/29/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106436	3/28/2023	3/29/2023	3/29/2023	1500	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106444	3/28/2023	3/29/2023	3/29/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106440	3/28/2023	3/29/2023	3/29/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106441	3/28/2023	3/29/2023	3/29/2023	1400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106482	3/29/2023	3/29/2023	3/29/2023	2500	5.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106483	3/29/2023	3/29/2023	3/29/2023	5000	5.55		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106472	3/29/2023	3/30/2023	3/30/2023	8600	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106474	3/29/2023	3/30/2023	3/30/2023	1400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106473	3/29/2023	3/30/2023	3/30/2023	700	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106468	3/29/2023	3/30/2023	3/30/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106480	3/29/2023	3/30/2023	3/30/2023	2200	6.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106462	3/29/2023	3/30/2023	3/30/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106461	3/29/2023	3/30/2023	3/30/2023	3800	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106481	3/29/2023	3/30/2023	3/30/2023	300	6.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106460	3/29/2023	3/30/2023	3/30/2023	3700	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106466	3/29/2023	3/30/2023	3/30/2023	6000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106475	3/29/2023	3/30/2023	3/30/2023	1500	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106478	3/29/2023	3/30/2023	3/30/2023	5000	5.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106463	3/29/2023	3/30/2023	3/30/2023	2800	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106471	3/29/2023	3/30/2023	3/30/2023	4600	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106464	3/29/2023	3/30/2023	3/30/2023	800	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106470	3/29/2023	3/30/2023	3/30/2023	4000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106479	3/29/2023	3/30/2023	3/30/2023	5500	6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106469	3/29/2023	3/30/2023	3/30/2023	6300	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106477	3/29/2023	3/30/2023	3/30/2023	4500	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106465	3/29/2023	3/30/2023	3/30/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106467	3/29/2023	3/30/2023	3/30/2023	900	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106476	3/29/2023	3/30/2023	3/30/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106501	3/30/2023	3/31/2023	3/31/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106503	3/30/2023	3/31/2023	3/31/2023	3500	5.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106499	3/30/2023	3/31/2023	3/31/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106502	3/30/2023	3/31/2023	3/31/2023	1500	5.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106504	3/30/2023	3/31/2023	3/31/2023	2500	6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106500	3/30/2023	3/31/2023	3/31/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106526	3/31/2023	3/31/2023	3/31/2023	10000	5.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106527	3/31/2023	3/31/2023	3/31/2023	10100	5.45		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106552	3/31/2023	3/31/2023	3/31/2023	5000	5.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106553	3/31/2023	3/31/2023	3/31/2023	5000	5.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106528	3/31/2023	3/31/2023	3/31/2023	5000	5.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106551	3/31/2023	3/31/2023	3/31/2023	5000	5.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106521	3/31/2023	4/1/2023	4/3/2023	5000	6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106518	3/31/2023	4/1/2023	4/3/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106524	3/31/2023	4/1/2023	4/3/2023	5000	5.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106522	3/31/2023	4/1/2023	4/3/2023	600	5.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106523	3/31/2023	4/1/2023	4/3/2023	5000	5.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106519	3/31/2023	4/1/2023	4/3/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106517	3/31/2023	4/1/2023	4/3/2023	1000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106516	3/31/2023	4/1/2023	4/3/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106525	3/31/2023	4/1/2023	4/3/2023	3800	6.02		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106520	3/31/2023	4/1/2023	4/3/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106559	4/3/2023	4/3/2023	4/3/2023	5000	5.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106563	4/3/2023	4/3/2023	4/3/2023	10000	5.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106561	4/3/2023	4/3/2023	4/3/2023	5000	5.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106560	4/3/2023	4/3/2023	4/3/2023	5000	5.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY

106562	4/3/2023	4/3/2023	4/3/2023	4900	5.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106558	4/3/2023	4/4/2023	4/4/2023	2000	6.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106556	4/3/2023	4/4/2023	4/4/2023	2500	6.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106554	4/3/2023	4/4/2023	4/4/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
106557	4/3/2023	4/4/2023	4/4/2023	2500	6.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106555	4/3/2023	4/4/2023	4/4/2023	2500	6.235		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106586	4/4/2023	4/4/2023	4/4/2023	5000	6.25		KERN RIVER - KERN RIVER DLV	FIXED	BUY
106585	4/4/2023	4/4/2023	4/4/2023	5000	6.25		KERN RIVER - KERN RIVER DLV	FIXED	BUY
106584	4/4/2023	4/5/2023	4/5/2023	5000	6.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106583	4/4/2023	4/5/2023	4/5/2023	5000	6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106580	4/4/2023	4/5/2023	4/5/2023	3900	5.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106582	4/4/2023	4/5/2023	4/5/2023	1000	5.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106581	4/4/2023	4/5/2023	4/5/2023	500	5.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106599	4/4/2023	4/5/2023	4/5/2023	5000	6.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106607	4/5/2023	4/5/2023	4/5/2023	2500	7.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106609	4/5/2023	4/5/2023	4/5/2023	7500	7.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106612	4/5/2023	4/5/2023	4/5/2023	5000	7.4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106611	4/5/2023	4/5/2023	4/5/2023	5000	7.4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106606	4/5/2023	4/5/2023	4/5/2023	1000	7.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106605	4/5/2023	4/5/2023	4/5/2023	2000	7.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106610	4/5/2023	4/5/2023	4/5/2023	9000	7.45		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106604	4/5/2023	4/5/2023	4/5/2023	10000	7.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106608	4/5/2023	4/5/2023	4/5/2023	7500	7.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106601	4/5/2023	4/6/2023	4/6/2023	5000	6.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106602	4/5/2023	4/6/2023	4/6/2023	5000	6.32		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106603	4/5/2023	4/6/2023	4/6/2023	5000	6.06		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106600	4/5/2023	4/6/2023	4/6/2023	5000	6.32		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106637	4/6/2023	4/7/2023	4/10/2023	9000	4.3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106638	4/6/2023	4/7/2023	4/10/2023	1000	4.3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106640	4/10/2023	4/11/2023	4/11/2023	5000	4.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106694	4/11/2023	4/11/2023	4/11/2023	4900	4.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106695	4/11/2023	4/11/2023	4/11/2023	5000	5.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106685	4/11/2023	4/12/2023	4/12/2023	5000	4.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106689	4/11/2023	4/12/2023	4/12/2023	5000	4.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106684	4/11/2023	4/12/2023	4/12/2023	4500	4.66		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106680	4/11/2023	4/12/2023	4/12/2023	5000	4.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106690	4/11/2023	4/12/2023	4/12/2023	1000	4.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106688	4/11/2023	4/12/2023	4/12/2023	200	4.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106692	4/11/2023	4/12/2023	4/12/2023	5000	4.955		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106681	4/11/2023	4/12/2023	4/12/2023	2700	4.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106691	4/11/2023	4/12/2023	4/12/2023	5000	4.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106674	4/11/2023	4/12/2023	4/12/2023	5000	4.71		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106693	4/11/2023	4/12/2023	4/12/2023	5000	4.955		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106678	4/11/2023	4/12/2023	4/12/2023	5000	4.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106682	4/11/2023	4/12/2023	4/12/2023	2300	4.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106683	4/11/2023	4/12/2023	4/12/2023	5000	4.72		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106687	4/11/2023	4/12/2023	4/12/2023	5000	4.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106686	4/11/2023	4/12/2023	4/12/2023	5000	4.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106679	4/11/2023	4/12/2023	4/12/2023	5000	4.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106722	4/12/2023	4/12/2023	4/12/2023	15000	4.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	SELL
106719	4/12/2023	4/12/2023	4/12/2023	5000	4.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	SELL
106721	4/12/2023	4/12/2023	4/12/2023	14000	4.05		KERN RIVER - KERN RIVER RECEIPTS	FIXED	SELL
106720	4/12/2023	4/12/2023	4/12/2023	3000	4.05		KERN RIVER - KERN RIVER RECEIPTS	FIXED	SELL
106716	4/12/2023	4/13/2023	4/13/2023	5000	4.925		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106718	4/12/2023	4/13/2023	4/13/2023	5000	4.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106708	4/12/2023	4/13/2023	4/13/2023	200	4.55		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106709	4/12/2023	4/13/2023	4/13/2023	4800	4.55		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106713	4/12/2023	4/13/2023	4/13/2023	700	4.925		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106710	4/12/2023	4/13/2023	4/13/2023	1000	4.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106711	4/12/2023	4/13/2023	4/13/2023	5000	4.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106714	4/12/2023	4/13/2023	4/13/2023	5000	4.925		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106717	4/12/2023	4/13/2023	4/13/2023	5000	4.85		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106712	4/12/2023	4/13/2023	4/13/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
106715	4/12/2023	4/13/2023	4/13/2023	5000	4.925		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106746	4/13/2023	4/13/2023	4/13/2023	5000	4.23		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106745	4/13/2023	4/13/2023	4/13/2023	5000	4.23		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106744	4/13/2023	4/13/2023	4/13/2023	5000	4.34		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106724	4/13/2023	4/14/2023	4/14/2023	5000	3.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106732	4/13/2023	4/14/2023	4/14/2023	10000	3.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106727	4/13/2023	4/14/2023	4/14/2023	10000	4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106729	4/13/2023	4/14/2023	4/14/2023	5000	3.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106728	4/13/2023	4/14/2023	4/14/2023	5000	3.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106723	4/13/2023	4/14/2023	4/14/2023	10000	3.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106725	4/13/2023	4/14/2023	4/14/2023	5000	3.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106731	4/13/2023	4/14/2023	4/14/2023	5000	3.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106726	4/13/2023	4/14/2023	4/14/2023	5000	3.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106730	4/13/2023	4/14/2023	4/14/2023	5000	3.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
106768	4/14/2023	4/14/2023	4/14/2023	5000	3.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106769	4/14/2023	4/14/2023	4/14/2023	5000	3.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY

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	4/26/2023	4/27/2023	4/27/2023	2500	2.68		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
106991	4/26/2023	4/27/2023	4/27/2023	400	2.67		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107071	4/27/2023	4/27/2023	4/27/2023	5000	2.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107075	4/27/2023	4/27/2023	4/27/2023	5000	2.725		KERN RIVER - KERN RIVER DLV	FIXED	BUY
107073	4/27/2023	4/27/2023	4/27/2023	5000	2.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107072	4/27/2023	4/27/2023	4/27/2023	5000	2.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107070	4/27/2023	4/28/2023	4/30/2023	100	2.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107051	4/27/2023	4/28/2023	4/30/2023	1800	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107064	4/27/2023	4/28/2023	4/30/2023	2500	2.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107057	4/27/2023	4/28/2023	4/30/2023	9600	2.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107068	4/27/2023	4/28/2023	4/30/2023	5000	2.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107058	4/27/2023	4/28/2023	4/30/2023	1500	2.11		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107067	4/27/2023	4/28/2023	4/30/2023	5000	2.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107063	4/27/2023	4/28/2023	4/30/2023	5000	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107062	4/27/2023	4/28/2023	4/30/2023	2500	2.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107066	4/27/2023	4/28/2023	4/30/2023	1500	2.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107052	4/27/2023	4/28/2023	4/30/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107065	4/27/2023	4/28/2023	4/30/2023	2000	2.23		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107049	4/27/2023	4/28/2023	4/30/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107055	4/27/2023	4/28/2023	4/30/2023	5000	2.12		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107059	4/27/2023	4/28/2023	4/30/2023	5000	2.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107050	4/27/2023	4/28/2023	4/30/2023	1700	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107048	4/27/2023	4/28/2023	4/30/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107060	4/27/2023	4/28/2023	4/30/2023	400	2.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107061	4/27/2023	4/28/2023	4/30/2023	100	2.03		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107069	4/27/2023	4/28/2023	4/30/2023	5000	2.22		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107054	4/27/2023	4/28/2023	4/30/2023	3700	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107047	4/27/2023	4/28/2023	4/30/2023	2800	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107053	4/27/2023	4/28/2023	4/30/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107056	4/27/2023	4/28/2023	4/30/2023	5000	2.12		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107091	4/28/2023	5/1/2023	5/1/2023	2500	2.555		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107082	4/28/2023	5/1/2023	5/1/2023	5000	2.4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107079	4/28/2023	5/1/2023	5/1/2023	4700	2.41		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107083	4/28/2023	5/1/2023	5/1/2023	5000	2.33		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107090	4/28/2023	5/1/2023	5/1/2023	5000	2.6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107095	4/28/2023	5/1/2023	5/1/2023	5000	2.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107080	4/28/2023	5/1/2023	5/1/2023	5000	2.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107104	4/28/2023	5/1/2023	5/1/2023	5000	2.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107098	4/28/2023	5/1/2023	5/1/2023	2500	2.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107087	4/28/2023	5/1/2023	5/1/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107101	4/28/2023	5/1/2023	5/1/2023	5000	2.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107100	4/28/2023	5/1/2023	5/1/2023	5000	2.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107092	4/28/2023	5/1/2023	5/1/2023	2500	2.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107085	4/28/2023	5/1/2023	5/1/2023	5000	2.35		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107076	4/28/2023	5/1/2023	5/1/2023	5000	2.39		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107081	4/28/2023	5/1/2023	5/1/2023	2500	2.4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107084	4/28/2023	5/1/2023	5/1/2023	5000	2.4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107086	4/28/2023	5/1/2023	5/1/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107097	4/28/2023	5/1/2023	5/1/2023	5000	2.6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107078	4/28/2023	5/1/2023	5/1/2023	5000	2.3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107094	4/28/2023	5/1/2023	5/1/2023	5000	2.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107093	4/28/2023	5/1/2023	5/1/2023	5000	2.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107102	4/28/2023	5/1/2023	5/1/2023	2500	2.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107089	4/28/2023	5/1/2023	5/1/2023	5900	2.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107077	4/28/2023	5/1/2023	5/1/2023	5000	2.3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107103	4/28/2023	5/1/2023	5/1/2023	5000	2.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107099	4/28/2023	5/1/2023	5/1/2023	5000	2.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107088	4/28/2023	5/1/2023	5/1/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107096	4/28/2023	5/1/2023	5/1/2023	5000	2.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107110	4/29/2023	4/29/2023	4/29/2023	5000	2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107111	4/29/2023	4/29/2023	4/29/2023	5000	2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107109	4/29/2023	4/29/2023	4/29/2023	5000	2.05		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107112	4/30/2023	4/30/2023	4/30/2023	15000	2.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107114	4/30/2023	4/30/2023	4/30/2023	5000	2.1		KERN RIVER - KERN RIVER DLV	FIXED	BUY
107121	5/1/2023	5/2/2023	5/2/2023	4500	2.08		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107128	5/1/2023	5/2/2023	5/2/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107133	5/1/2023	5/2/2023	5/2/2023	10000	2.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107120	5/1/2023	5/2/2023	5/2/2023	5000	2.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107116	5/1/2023	5/2/2023	5/2/2023	500	2.08		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107135	5/1/2023	5/2/2023	5/2/2023	5000	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107137	5/1/2023	5/2/2023	5/2/2023	5000	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107117	5/1/2023	5/2/2023	5/2/2023	5000	2.05		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107132	5/1/2023	5/2/2023	5/2/2023	5000	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107131	5/1/2023	5/2/2023	5/2/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107122	5/1/2023	5/2/2023	5/2/2023	5300	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107129	5/1/2023	5/2/2023	5/2/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107124	5/1/2023	5/2/2023	5/2/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107136	5/1/2023	5/2/2023	5/2/2023	200	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107119	5/1/2023	5/2/2023	5/2/2023	5000	2.13		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY

107127	5/1/2023	5/2/2023	5/2/2023	2200	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107118	5/1/2023	5/2/2023	5/2/2023	5000	2.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107125	5/1/2023	5/2/2023	5/2/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107134	5/1/2023	5/2/2023	5/2/2023	5000	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107123	5/1/2023	5/2/2023	5/2/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107130	5/1/2023	5/2/2023	5/2/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107115	5/1/2023	5/2/2023	5/2/2023	2500	2.08		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107126	5/1/2023	5/2/2023	5/2/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107167	5/2/2023	5/3/2023	5/3/2023	5000	2.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107164	5/2/2023	5/3/2023	5/3/2023	4000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107150	5/2/2023	5/3/2023	5/3/2023	5000	2.05		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107151	5/2/2023	5/3/2023	5/3/2023	5000	2.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107168	5/2/2023	5/3/2023	5/3/2023	5000	2.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107160	5/2/2023	5/3/2023	5/3/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107163	5/2/2023	5/3/2023	5/3/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107153	5/2/2023	5/3/2023	5/3/2023	5000	2.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107166	5/2/2023	5/3/2023	5/3/2023	5000	2.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107159	5/2/2023	5/3/2023	5/3/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107154	5/2/2023	5/3/2023	5/3/2023	12000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107149	5/2/2023	5/3/2023	5/3/2023	5000	2.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107165	5/2/2023	5/3/2023	5/3/2023	5000	2.45		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107162	5/2/2023	5/3/2023	5/3/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107152	5/2/2023	5/3/2023	5/3/2023	5000	2.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107161	5/2/2023	5/3/2023	5/3/2023	1700	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107158	5/2/2023	5/3/2023	5/3/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107157	5/2/2023	5/3/2023	5/3/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107169	5/2/2023	5/3/2023	5/3/2023	5000	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107156	5/2/2023	5/3/2023	5/3/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107155	5/2/2023	5/3/2023	5/3/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107183	5/3/2023	5/4/2023	5/4/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107189	5/3/2023	5/4/2023	5/4/2023	4800	1.87		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107184	5/3/2023	5/4/2023	5/4/2023	10000	1.85		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107186	5/3/2023	5/4/2023	5/4/2023	10000	2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107179	5/3/2023	5/4/2023	5/4/2023	4700	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107190	5/3/2023	5/4/2023	5/4/2023	5200	1.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107185	5/3/2023	5/4/2023	5/4/2023	10000	1.85		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107181	5/3/2023	5/4/2023	5/4/2023	8500	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107187	5/3/2023	5/4/2023	5/4/2023	10000	1.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107182	5/3/2023	5/4/2023	5/4/2023	5300	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107180	5/3/2023	5/4/2023	5/4/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107188	5/3/2023	5/4/2023	5/4/2023	10000	1.85		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107191	5/3/2023	5/4/2023	5/4/2023	5000	1.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107178	5/3/2023	5/4/2023	5/4/2023	5000	1.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107215	5/4/2023	5/4/2023	5/4/2023	2500	1.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107205	5/4/2023	5/5/2023	5/5/2023	5000	1.6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107203	5/4/2023	5/5/2023	5/5/2023	1400	1.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107210	5/4/2023	5/5/2023	5/5/2023	8600	1.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107204	5/4/2023	5/5/2023	5/5/2023	2500	1.6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107208	5/4/2023	5/5/2023	5/5/2023	6200	1.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107212	5/4/2023	5/5/2023	5/5/2023	5000	1.6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107201	5/4/2023	5/5/2023	5/5/2023	2500	1.64		KERN RIVER - KERN RIVER RECEIPTS	FIXED	SELL
107207	5/4/2023	5/5/2023	5/5/2023	5000	1.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107209	5/4/2023	5/5/2023	5/5/2023	10000	1.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107206	5/4/2023	5/5/2023	5/5/2023	5000	1.61		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107202	5/4/2023	5/5/2023	5/5/2023	3800	1.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107214	5/4/2023	5/5/2023	5/5/2023	300	1.68		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107213	5/4/2023	5/5/2023	5/5/2023	5000	1.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107211	5/4/2023	5/5/2023	5/5/2023	7000	1.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107200	5/4/2023	5/5/2023	5/5/2023	5000	1.6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	SELL
107242	5/5/2023	5/5/2023	5/5/2023	5000	1.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107240	5/5/2023	5/5/2023	5/5/2023	5000	2.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107241	5/5/2023	5/5/2023	5/5/2023	5000	1.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107243	5/5/2023	5/5/2023	5/5/2023	5000	1.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107239	5/5/2023	5/5/2023	5/5/2023	5000	2.17		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107230	5/5/2023	5/6/2023	5/8/2023	5000	1.57		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107231	5/5/2023	5/6/2023	5/8/2023	5000	1.59		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107226	5/5/2023	5/6/2023	5/8/2023	2500	1.59		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107224	5/5/2023	5/6/2023	5/8/2023	15000	1.61		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107232	5/5/2023	5/6/2023	5/8/2023	5000	1.52		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107233	5/5/2023	5/6/2023	5/8/2023	5000	1.59		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107220	5/5/2023	5/6/2023	5/8/2023	1500	1.52		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107227	5/5/2023	5/6/2023	5/8/2023	2500	1.52		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107236	5/5/2023	5/6/2023	5/8/2023	5000	1.52		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107225	5/5/2023	5/6/2023	5/8/2023	5000	1.6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107228	5/5/2023	5/6/2023	5/8/2023	5000	1.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107221	5/5/2023	5/6/2023	5/8/2023	2200	1.61		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107237	5/5/2023	5/6/2023	5/8/2023	5000	1.52		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107223	5/5/2023	5/6/2023	5/8/2023	5000	1.52		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107234	5/5/2023	5/6/2023	5/8/2023	5000	1.59		KERN RIVER - KERN RIVER DLV	FIXED	SELL

107222	5/5/2023	5/6/2023	5/8/2023	2500	1.52		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107238	5/5/2023	5/6/2023	5/8/2023	5000	1.52		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107235	5/5/2023	5/6/2023	5/8/2023	5000	1.52		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107229	5/5/2023	5/6/2023	5/8/2023	5000	1.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107266	5/8/2023	5/9/2023	5/9/2023	5000	1.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107260	5/8/2023	5/9/2023	5/9/2023	700	1.96		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107265	5/8/2023	5/9/2023	5/9/2023	5000	1.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107268	5/8/2023	5/9/2023	5/9/2023	5000	1.92		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107258	5/8/2023	5/9/2023	5/9/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107263	5/8/2023	5/9/2023	5/9/2023	2500	1.96		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107264	5/8/2023	5/9/2023	5/9/2023	5000	1.96		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107257	5/8/2023	5/9/2023	5/9/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107267	5/8/2023	5/9/2023	5/9/2023	5000	2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107259	5/8/2023	5/9/2023	5/9/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107262	5/8/2023	5/9/2023	5/9/2023	10000	1.945		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107261	5/8/2023	5/9/2023	5/9/2023	5000	1.96		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107284	5/9/2023	5/9/2023	5/9/2023	7500	2.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107283	5/9/2023	5/10/2023	5/10/2023	5000	1.85		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107280	5/9/2023	5/10/2023	5/10/2023	1000	1.85		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107279	5/9/2023	5/10/2023	5/10/2023	5000	2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107275	5/9/2023	5/10/2023	5/10/2023	5000	1.86		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107274	5/9/2023	5/10/2023	5/10/2023	5000	1.85		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107273	5/9/2023	5/10/2023	5/10/2023	5000	1.85		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107276	5/9/2023	5/10/2023	5/10/2023	5000	1.855		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107277	5/9/2023	5/10/2023	5/10/2023	5000	1.855		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107278	5/9/2023	5/10/2023	5/10/2023	10000	1.855		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107282	5/9/2023	5/10/2023	5/10/2023	5000	1.83		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107281	5/9/2023	5/10/2023	5/10/2023	500	1.89		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107288	5/10/2023	5/11/2023	5/11/2023	10000	1.725		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107286	5/10/2023	5/11/2023	5/11/2023	10000	1.74		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107287	5/10/2023	5/11/2023	5/11/2023	5000	1.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107285	5/10/2023	5/11/2023	5/11/2023	3300	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107289	5/10/2023	5/11/2023	5/11/2023	6700	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107297	5/11/2023	5/12/2023	5/12/2023	5000	1.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107293	5/11/2023	5/12/2023	5/12/2023	5000	1.67		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107292	5/11/2023	5/12/2023	5/12/2023	5000	1.77		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107296	5/11/2023	5/12/2023	5/12/2023	2500	1.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107295	5/11/2023	5/12/2023	5/12/2023	3000	1.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107294	5/11/2023	5/12/2023	5/12/2023	5000	1.925		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107309	5/12/2023	5/12/2023	5/12/2023	2500	1.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107311	5/12/2023	5/13/2023	5/13/2023	5000	1.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	SELL
107310	5/12/2023	5/13/2023	5/13/2023	15000	1.45		KERN RIVER - KERN RIVER RECEIPTS	FIXED	SELL
107306	5/12/2023	5/13/2023	5/15/2023	5000	1.57		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107305	5/12/2023	5/13/2023	5/15/2023	15000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107308	5/12/2023	5/13/2023	5/15/2023	5000	1.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107307	5/12/2023	5/13/2023	5/15/2023	100	1.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107302	5/12/2023	5/13/2023	5/15/2023	5200	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107303	5/12/2023	5/13/2023	5/15/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107304	5/12/2023	5/13/2023	5/15/2023	14800	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107317	5/13/2023	5/13/2023	5/13/2023	5000	1.55		KERN RIVER - OPAL KERN	FIXED	SELL
107315	5/13/2023	5/13/2023	5/13/2023	2500	1.4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	SELL
107316	5/13/2023	5/13/2023	5/13/2023	5000	1.55		KERN RIVER - KERN RIVER RECEIPTS	FIXED	SELL
107318	5/14/2023	5/14/2023	5/14/2023	5000	1.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107329	5/15/2023	5/15/2023	5/15/2023	5000	2.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107332	5/15/2023	5/15/2023	5/15/2023	2500	2.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107335	5/15/2023	5/15/2023	5/15/2023	5000	2.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107334	5/15/2023	5/15/2023	5/15/2023	5000	2.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107331	5/15/2023	5/15/2023	5/15/2023	5000	2.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107344	5/15/2023	5/15/2023	5/15/2023	3500	2.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	SELL
107333	5/15/2023	5/15/2023	5/15/2023	1500	2.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107330	5/15/2023	5/15/2023	5/15/2023	5000	2.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107337	5/15/2023	5/15/2023	5/15/2023	5000	2.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	SELL
107346	5/15/2023	5/15/2023	5/15/2023	3700	2.3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107345	5/15/2023	5/15/2023	5/15/2023	5000	2.48		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107336	5/15/2023	5/15/2023	5/15/2023	5000	2.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107323	5/15/2023	5/16/2023	5/16/2023	25000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107319	5/15/2023	5/16/2023	5/16/2023	2500	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107322	5/15/2023	5/16/2023	5/16/2023	11300	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107326	5/15/2023	5/16/2023	5/16/2023	20000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107321	5/15/2023	5/16/2023	5/16/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107320	5/15/2023	5/16/2023	5/16/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107328	5/15/2023	5/16/2023	5/16/2023	4000	2.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107327	5/15/2023	5/16/2023	5/16/2023	1900	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107325	5/15/2023	5/16/2023	5/16/2023	8700	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107324	5/15/2023	5/16/2023	5/16/2023	600	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107359	5/16/2023	5/17/2023	5/17/2023	1000	2.37		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107365	5/16/2023	5/17/2023	5/17/2023	2500	2.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107360	5/16/2023	5/17/2023	5/17/2023	5000	2.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107350	5/16/2023	5/17/2023	5/17/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY

107437	5/22/2023	5/23/2023	5/23/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107440	5/22/2023	5/23/2023	5/23/2023	1400	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107433	5/22/2023	5/23/2023	5/23/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107439	5/22/2023	5/23/2023	5/23/2023	11200	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107434	5/22/2023	5/23/2023	5/23/2023	2800	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107478	5/23/2023	5/24/2023	5/24/2023	2500	2.125		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107468	5/23/2023	5/24/2023	5/24/2023	5000	2.01		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107470	5/23/2023	5/24/2023	5/24/2023	2000	2.005		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107465	5/23/2023	5/24/2023	5/24/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107464	5/23/2023	5/24/2023	5/24/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107466	5/23/2023	5/24/2023	5/24/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107477	5/23/2023	5/24/2023	5/24/2023	5000	2.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107474	5/23/2023	5/24/2023	5/24/2023	2500	1.935		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107473	5/23/2023	5/24/2023	5/24/2023	5000	1.93		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107472	5/23/2023	5/24/2023	5/24/2023	5000	2.04		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107480	5/23/2023	5/24/2023	5/24/2023	2500	2.125		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107479	5/23/2023	5/24/2023	5/24/2023	2500	2.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107471	5/23/2023	5/24/2023	5/24/2023	5000	2.04		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107467	5/23/2023	5/24/2023	5/24/2023	5000	1.93		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107476	5/23/2023	5/24/2023	5/24/2023	2500	1.965		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107469	5/23/2023	5/24/2023	5/24/2023	5000	2.02		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107475	5/23/2023	5/24/2023	5/24/2023	2500	1.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107495	5/24/2023	5/25/2023	5/25/2023	2500	1.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107502	5/24/2023	5/25/2023	5/25/2023	2500	1.99		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107500	5/24/2023	5/25/2023	5/25/2023	5000	1.96		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107497	5/24/2023	5/25/2023	5/25/2023	5000	1.99		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107492	5/24/2023	5/25/2023	5/25/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107493	5/24/2023	5/25/2023	5/25/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
107498	5/24/2023	5/25/2023	5/25/2023	5000	2.01		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107501	5/24/2023	5/25/2023	5/25/2023	2000	1.99		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107499	5/24/2023	5/25/2023	5/25/2023	5000	1.96		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107496	5/24/2023	5/25/2023	5/25/2023	2500	1.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107494	5/24/2023	5/25/2023	5/25/2023	2500	1.96		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107526	5/25/2023	5/25/2023	5/25/2023	5000	2.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107525	5/25/2023	5/25/2023	5/25/2023	5000	2.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107527	5/25/2023	5/25/2023	5/25/2023	5000	2.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107524	5/25/2023	5/25/2023	5/25/2023	5000	2.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107519	5/25/2023	5/26/2023	5/26/2023	2500	1.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107517	5/25/2023	5/26/2023	5/26/2023	5000	1.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107523	5/25/2023	5/26/2023	5/26/2023	2500	1.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107518	5/25/2023	5/26/2023	5/26/2023	5000	1.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107520	5/25/2023	5/26/2023	5/26/2023	2500	1.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107514	5/25/2023	5/26/2023	5/26/2023	2500	1.74		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107522	5/25/2023	5/26/2023	5/26/2023	2500	1.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107521	5/25/2023	5/26/2023	5/26/2023	800	1.725		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107516	5/25/2023	5/26/2023	5/26/2023	2500	1.76		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107515	5/25/2023	5/26/2023	5/26/2023	5000	1.76		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107513	5/25/2023	5/26/2023	5/26/2023	5000	1.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107536	5/26/2023	5/27/2023	5/30/2023	5000	1.48		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107537	5/26/2023	5/27/2023	5/30/2023	5000	1.535		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107544	5/30/2023	5/31/2023	5/31/2023	5000	2.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107550	5/30/2023	5/31/2023	5/31/2023	5000	2.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107549	5/30/2023	5/31/2023	5/31/2023	2500	2.03		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107548	5/30/2023	5/31/2023	5/31/2023	5000	2.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107547	5/30/2023	5/31/2023	5/31/2023	1700	2.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107546	5/30/2023	5/31/2023	5/31/2023	5000	2.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107545	5/30/2023	5/31/2023	5/31/2023	5000	2.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107543	5/30/2023	5/31/2023	5/31/2023	5000	1.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107577	5/31/2023	5/30/2023	5/30/2023	25308	2.4		KERN RIVER - PIONEER-JONAH GAS GATHERING	FIXED	SELL
107576	5/31/2023	5/31/2023	5/31/2023	13668	2.1		KERN RIVER - PIONEER-JONAH GAS GATHERING	FIXED	SELL
107571	5/31/2023	6/1/2023	6/1/2023	10000	1.955		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107564	5/31/2023	6/1/2023	6/1/2023	21000	1.9		KERN RIVER - PIONEER-JONAH GAS GATHERING	FIXED	SELL
107574	5/31/2023	6/1/2023	6/1/2023	10000	1.955		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107570	5/31/2023	6/1/2023	6/1/2023	5100	1.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107565	5/31/2023	6/1/2023	6/1/2023	4300	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107572	5/31/2023	6/1/2023	6/1/2023	10000	1.955		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107569	5/31/2023	6/1/2023	6/1/2023	5000	1.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107573	5/31/2023	6/1/2023	6/1/2023	6300	1.955		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107575	5/31/2023	6/1/2023	6/1/2023	5000	1.955		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107568	5/31/2023	6/1/2023	6/1/2023	5000	1.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107567	5/31/2023	6/1/2023	6/1/2023	7200	1.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107566	5/31/2023	6/1/2023	6/1/2023	3700	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107608	6/1/2023	6/1/2023	6/1/2023	1000	1.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107607	6/1/2023	6/1/2023	6/1/2023	5000	1.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107599	6/1/2023	6/2/2023	6/2/2023	5000	1.63		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107589	6/1/2023	6/2/2023	6/2/2023	100	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107592	6/1/2023	6/2/2023	6/2/2023	300	1.63		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107593	6/1/2023	6/2/2023	6/2/2023	3000	1.63		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107595	6/1/2023	6/2/2023	6/2/2023	10000	1.64		KERN RIVER - KERN RIVER DLV	FIXED	SELL

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107695	6/6/2023	6/7/2023	6/7/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107705	6/6/2023	6/7/2023	6/7/2023	5000	2.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107682	6/6/2023	6/7/2023	6/7/2023	1200	2.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107715	6/6/2023	6/7/2023	6/7/2023	5000	2.15	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	FIXED	SELL
107697	6/6/2023	6/7/2023	6/7/2023	10000	0		KERN RIVER - KERN RIVER DLV	INDEX	SELL
107711	6/6/2023	6/7/2023	6/7/2023	1400	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107717	6/6/2023	6/7/2023	6/7/2023	500	2.33	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	FIXED	SELL
107708	6/6/2023	6/7/2023	6/7/2023	2500	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107681	6/6/2023	6/7/2023	6/7/2023	2500	2.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107721	6/6/2023	6/7/2023	6/7/2023	5000	2.2	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	FIXED	SELL
107698	6/6/2023	6/7/2023	6/7/2023	10000	0		KERN RIVER - KERN RIVER DLV	INDEX	SELL
107719	6/6/2023	6/7/2023	6/7/2023	2500	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107688	6/6/2023	6/7/2023	6/7/2023	2500	2.16	GD KERN DELIVERED	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107686	6/6/2023	6/7/2023	6/7/2023	700	2.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107692	6/6/2023	6/7/2023	6/7/2023	2500	2.17		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107684	6/6/2023	6/7/2023	6/7/2023	2500	2.18	GD KERN DELIVERED	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107699	6/6/2023	6/7/2023	6/7/2023	13000	0		KERN RIVER - KERN RIVER DLV	INDEX	SELL
107694	6/6/2023	6/7/2023	6/7/2023	1100	0		KERN RIVER - KERN RIVER DLV	INDEX	SELL
107700	6/6/2023	6/7/2023	6/7/2023	25000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107696	6/6/2023	6/7/2023	6/7/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107701	6/6/2023	6/7/2023	6/7/2023	2000	2.33	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	FIXED	SELL
107710	6/6/2023	6/7/2023	6/7/2023	5000	2.32		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107703	6/6/2023	6/7/2023	6/7/2023	2700	2.32		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107713	6/6/2023	6/7/2023	6/7/2023	2500	2.35	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	FIXED	SELL
107712	6/6/2023	6/7/2023	6/7/2023	2500	2.34		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107702	6/6/2023	6/7/2023	6/7/2023	2500	2.33		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107704	6/6/2023	6/7/2023	6/7/2023	5000	2.32	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	FIXED	SELL
107690	6/6/2023	6/7/2023	6/7/2023	2500	2.16		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107720	6/6/2023	6/7/2023	6/7/2023	2000	2.32		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107693	6/6/2023	6/7/2023	6/7/2023	13900	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107718	6/6/2023	6/7/2023	6/7/2023	1100	2.3	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	FIXED	SELL
107716	6/6/2023	6/7/2023	6/7/2023	5000	2.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107691	6/6/2023	6/7/2023	6/7/2023	5000	2.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107707	6/6/2023	6/7/2023	6/7/2023	2500	2.35	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	FIXED	SELL
107706	6/6/2023	6/7/2023	6/7/2023	300	2.32		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107714	6/6/2023	6/7/2023	6/7/2023	5000	2.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107685	6/6/2023	6/7/2023	6/7/2023	2500	2.17	GD KERN DELIVERED	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107722	6/6/2023	6/7/2023	6/7/2023	5000	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107689	6/6/2023	6/7/2023	6/7/2023	2500	2.16		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107687	6/6/2023	6/7/2023	6/7/2023	2500	2.16	GD KERN DELIVERED	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107709	6/6/2023	6/7/2023	6/7/2023	5000	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107769	6/7/2023	6/7/2023	6/7/2023	5000	2.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107766	6/7/2023	6/7/2023	6/7/2023	100	2.4	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	FIXED	SELL
107770	6/7/2023	6/7/2023	6/7/2023	2500	2.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107768	6/7/2023	6/7/2023	6/7/2023	5000	2.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107767	6/7/2023	6/7/2023	6/7/2023	4900	2.4	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	FIXED	SELL
107747	6/7/2023	6/8/2023	6/8/2023	18500	0		KERN RIVER - KERN RIVER DLV	INDEX	SELL
107742	6/7/2023	6/8/2023	6/8/2023	6500	0		KERN RIVER - KERN RIVER DLV	INDEX	SELL
107751	6/7/2023	6/8/2023	6/8/2023	2500	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107764	6/7/2023	6/8/2023	6/8/2023	2500	2.5	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	FIXED	SELL
107756	6/7/2023	6/8/2023	6/8/2023	5000	2.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107753	6/7/2023	6/8/2023	6/8/2023	5000	2.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107733	6/7/2023	6/8/2023	6/8/2023	2000	2.25	GD KERN DELIVERED	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107765	6/7/2023	6/8/2023	6/8/2023	5000	2.45		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107748	6/7/2023	6/8/2023	6/8/2023	25000	0		KERN RIVER - KERN RIVER DLV	INDEX	SELL
107758	6/7/2023	6/8/2023	6/8/2023	1000	2.6	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	FIXED	SELL
107755	6/7/2023	6/8/2023	6/8/2023	5000	2.48		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107736	6/7/2023	6/8/2023	6/8/2023	5000	2.16		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107735	6/7/2023	6/8/2023	6/8/2023	5000	2.16	GD KERN DELIVERED	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107739	6/7/2023	6/8/2023	6/8/2023	5000	2.24		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107762	6/7/2023	6/8/2023	6/8/2023	5000	2.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107749	6/7/2023	6/8/2023	6/8/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107734	6/7/2023	6/8/2023	6/8/2023	3000	2.25	GD KERN DELIVERED	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107743	6/7/2023	6/8/2023	6/8/2023	7500	0		KERN RIVER - KERN RIVER DLV	INDEX	SELL
107752	6/7/2023	6/8/2023	6/8/2023	5000	2.455		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107740	6/7/2023	6/8/2023	6/8/2023	3300	2.235	GD KERN DELIVERED	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107737	6/7/2023	6/8/2023	6/8/2023	1700	2.235		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107757	6/7/2023	6/8/2023	6/8/2023	1100	2.45		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107746	6/7/2023	6/8/2023	6/8/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107754	6/7/2023	6/8/2023	6/8/2023	5000	2.475	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	FIXED	SELL
107744	6/7/2023	6/8/2023	6/8/2023	5000	0		KERN RIVER - KERN RIVER DLV	INDEX	SELL
107745	6/7/2023	6/8/2023	6/8/2023	10000	0		KERN RIVER - KERN RIVER DLV	INDEX	SELL
107759	6/7/2023	6/8/2023	6/8/2023	4000	2.6	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	FIXED	SELL
107750	6/7/2023	6/8/2023	6/8/2023	10000	0		KERN RIVER - KERN RIVER DLV	INDEX	SELL
107760	6/7/2023	6/8/2023	6/8/2023	2500	2.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107741	6/7/2023	6/8/2023	6/8/2023	600	2.05	GD KERN DELIVERED	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107763	6/7/2023	6/8/2023	6/8/2023	1400	2.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107761	6/7/2023	6/8/2023	6/8/2023	2500	2.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107738	6/7/2023	6/8/2023	6/8/2023	5000	2.2	GD KERN DELIVERED	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY

107789	6/8/2023	6/9/2023	6/9/2023	1500	2.13		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107779	6/8/2023	6/9/2023	6/9/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107790	6/8/2023	6/9/2023	6/9/2023	5000	2.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107782	6/8/2023	6/9/2023	6/9/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107774	6/8/2023	6/9/2023	6/9/2023	5000	1.98		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107792	6/8/2023	6/9/2023	6/9/2023	2000	2.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107783	6/8/2023	6/9/2023	6/9/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107794	6/8/2023	6/9/2023	6/9/2023	5000	2.11		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107780	6/8/2023	6/9/2023	6/9/2023	15000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107797	6/8/2023	6/9/2023	6/9/2023	500	1.94		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107772	6/8/2023	6/9/2023	6/9/2023	5000	1.98		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107795	6/8/2023	6/9/2023	6/9/2023	5000	2.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107778	6/8/2023	6/9/2023	6/9/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107781	6/8/2023	6/9/2023	6/9/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107776	6/8/2023	6/9/2023	6/9/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107773	6/8/2023	6/9/2023	6/9/2023	4900	1.98		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107793	6/8/2023	6/9/2023	6/9/2023	1000	2.13		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107796	6/8/2023	6/9/2023	6/9/2023	5000	1.94		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107784	6/8/2023	6/9/2023	6/9/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107787	6/8/2023	6/9/2023	6/9/2023	5000	2.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107791	6/8/2023	6/9/2023	6/9/2023	2500	2.13		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107771	6/8/2023	6/9/2023	6/9/2023	5000	1.98		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107788	6/8/2023	6/9/2023	6/9/2023	4800	2.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107775	6/8/2023	6/9/2023	6/9/2023	3000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107777	6/8/2023	6/9/2023	6/9/2023	15000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107786	6/8/2023	6/9/2023	6/9/2023	5000	2.075		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107785	6/8/2023	6/9/2023	6/9/2023	10000	2.01		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107803	6/8/2023	6/9/2023	6/9/2023	300	2.14		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107840	6/9/2023	6/9/2023	6/9/2023	10000	2.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107805	6/9/2023	6/10/2023	6/12/2023	15000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107809	6/9/2023	6/10/2023	6/12/2023	15000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107813	6/9/2023	6/10/2023	6/12/2023	5000	1.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107825	6/9/2023	6/10/2023	6/12/2023	5000	1.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107815	6/9/2023	6/10/2023	6/12/2023	5000	1.73		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107828	6/9/2023	6/10/2023	6/12/2023	5000	1.76		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107821	6/9/2023	6/10/2023	6/12/2023	5000	1.73		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107808	6/9/2023	6/10/2023	6/12/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107822	6/9/2023	6/10/2023	6/12/2023	5000	1.73		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107806	6/9/2023	6/10/2023	6/12/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107816	6/9/2023	6/10/2023	6/12/2023	5000	1.73		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107819	6/9/2023	6/10/2023	6/12/2023	5000	1.73		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107827	6/9/2023	6/10/2023	6/12/2023	5000	1.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107818	6/9/2023	6/10/2023	6/12/2023	5000	1.73		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107810	6/9/2023	6/10/2023	6/12/2023	2200	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107823	6/9/2023	6/10/2023	6/12/2023	5000	1.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107826	6/9/2023	6/10/2023	6/12/2023	500	1.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107811	6/9/2023	6/10/2023	6/12/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107824	6/9/2023	6/10/2023	6/12/2023	5000	1.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107804	6/9/2023	6/10/2023	6/12/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107814	6/9/2023	6/10/2023	6/12/2023	5000	1.73		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107820	6/9/2023	6/10/2023	6/12/2023	5000	1.73		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107817	6/9/2023	6/10/2023	6/12/2023	5000	1.73		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107812	6/9/2023	6/10/2023	6/12/2023	5000	1.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107807	6/9/2023	6/10/2023	6/12/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107845	6/10/2023	6/10/2023	6/10/2023	5000	1.65		KERN RIVER - KERN RIVER DLV	FIXED	BUY
107841	6/10/2023	6/10/2023	6/10/2023	5000	1.6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107844	6/10/2023	6/10/2023	6/10/2023	5000	1.65		KERN RIVER - KERN RIVER DLV	FIXED	BUY
107843	6/10/2023	6/10/2023	6/10/2023	5000	1.65		KERN RIVER - KERN RIVER DLV	FIXED	BUY
107847	6/10/2023	6/10/2023	6/10/2023	5000	1.6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107846	6/10/2023	6/10/2023	6/10/2023	5000	1.6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107842	6/10/2023	6/10/2023	6/10/2023	5000	1.6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107848	6/10/2023	6/10/2023	6/10/2023	4000	1.6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107849	6/11/2023	6/11/2023	6/11/2023	5000	1.6		KERN RIVER - KERN RIVER DLV	FIXED	BUY
107859	6/12/2023	6/13/2023	6/13/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107860	6/12/2023	6/13/2023	6/13/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107853	6/12/2023	6/13/2023	6/13/2023	5000	2.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107874	6/12/2023	6/13/2023	6/13/2023	5000	2.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107861	6/12/2023	6/13/2023	6/13/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107877	6/12/2023	6/13/2023	6/13/2023	5000	2.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107866	6/12/2023	6/13/2023	6/13/2023	2500	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107873	6/12/2023	6/13/2023	6/13/2023	5000	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107862	6/12/2023	6/13/2023	6/13/2023	25000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107858	6/12/2023	6/13/2023	6/13/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107871	6/12/2023	6/13/2023	6/13/2023	5000	2.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107876	6/12/2023	6/13/2023	6/13/2023	5000	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107870	6/12/2023	6/13/2023	6/13/2023	2500	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107852	6/12/2023	6/13/2023	6/13/2023	5000	2.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107867	6/12/2023	6/13/2023	6/13/2023	5000	2.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107865	6/12/2023	6/13/2023	6/13/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL

107856	6/12/2023	6/13/2023	6/13/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107864	6/12/2023	6/13/2023	6/13/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107850	6/12/2023	6/13/2023	6/13/2023	1200	2.12		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107869	6/12/2023	6/13/2023	6/13/2023	1300	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107854	6/12/2023	6/13/2023	6/13/2023	5000	2.13		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107875	6/12/2023	6/13/2023	6/13/2023	3700	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107868	6/12/2023	6/13/2023	6/13/2023	5000	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107855	6/12/2023	6/13/2023	6/13/2023	2500	2.1225		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107851	6/12/2023	6/13/2023	6/13/2023	644	2.16		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107863	6/12/2023	6/13/2023	6/13/2023	7500	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107857	6/12/2023	6/13/2023	6/13/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107872	6/12/2023	6/13/2023	6/13/2023	5000	2.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107885	6/13/2023	6/14/2023	6/14/2023	869	1.98		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107897	6/13/2023	6/14/2023	6/14/2023	5000	2.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107902	6/13/2023	6/14/2023	6/14/2023	4200	2.165		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107900	6/13/2023	6/14/2023	6/14/2023	5000	2.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107890	6/13/2023	6/14/2023	6/14/2023	2500	2.01		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107893	6/13/2023	6/14/2023	6/14/2023	30000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107887	6/13/2023	6/14/2023	6/14/2023	5000	2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107888	6/13/2023	6/14/2023	6/14/2023	5000	2.03		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107892	6/13/2023	6/14/2023	6/14/2023	5000	2.05		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107901	6/13/2023	6/14/2023	6/14/2023	5000	2.165		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107896	6/13/2023	6/14/2023	6/14/2023	5000	2.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107886	6/13/2023	6/14/2023	6/14/2023	5000	2.03		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107903	6/13/2023	6/14/2023	6/14/2023	800	2.165		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107894	6/13/2023	6/14/2023	6/14/2023	20000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107895	6/13/2023	6/14/2023	6/14/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107889	6/13/2023	6/14/2023	6/14/2023	2500	2.01		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107899	6/13/2023	6/14/2023	6/14/2023	5000	2.125		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107898	6/13/2023	6/14/2023	6/14/2023	5000	2.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107891	6/13/2023	6/14/2023	6/14/2023	5000	2.04		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107918	6/14/2023	6/15/2023	6/15/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107926	6/14/2023	6/15/2023	6/15/2023	5000	2.17		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107915	6/14/2023	6/15/2023	6/15/2023	3800	1.995		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107912	6/14/2023	6/15/2023	6/15/2023	5000	2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107922	6/14/2023	6/15/2023	6/15/2023	5000	2.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107917	6/14/2023	6/15/2023	6/15/2023	4300	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107914	6/14/2023	6/15/2023	6/15/2023	1200	1.995		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107925	6/14/2023	6/15/2023	6/15/2023	5000	2.17		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107920	6/14/2023	6/15/2023	6/15/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107921	6/14/2023	6/15/2023	6/15/2023	5200	2.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107916	6/14/2023	6/15/2023	6/15/2023	2500	2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107923	6/14/2023	6/15/2023	6/15/2023	5000	2.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107913	6/14/2023	6/15/2023	6/15/2023	5000	1.98		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107924	6/14/2023	6/15/2023	6/15/2023	5000	2.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107919	6/14/2023	6/15/2023	6/15/2023	15700	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107941	6/15/2023	6/15/2023	6/15/2023	10000	1.805		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107934	6/15/2023	6/16/2023	6/16/2023	5000	2.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107932	6/15/2023	6/16/2023	6/16/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107928	6/15/2023	6/16/2023	6/16/2023	5000	1.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107935	6/15/2023	6/16/2023	6/16/2023	5000	2.135		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107927	6/15/2023	6/16/2023	6/16/2023	2500	1.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107930	6/15/2023	6/16/2023	6/16/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107931	6/15/2023	6/16/2023	6/16/2023	2200	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107937	6/15/2023	6/16/2023	6/16/2023	5000	2.135		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107940	6/15/2023	6/16/2023	6/16/2023	300	2.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107936	6/15/2023	6/16/2023	6/16/2023	5000	2.135		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107939	6/15/2023	6/16/2023	6/16/2023	5000	2.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107933	6/15/2023	6/16/2023	6/16/2023	12800	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107938	6/15/2023	6/16/2023	6/16/2023	5000	2.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107929	6/15/2023	6/16/2023	6/16/2023	15000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107965	6/16/2023	6/17/2023	6/20/2023	5000	2.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107957	6/16/2023	6/17/2023	6/20/2023	5000	2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107964	6/16/2023	6/17/2023	6/20/2023	3900	2.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107954	6/16/2023	6/17/2023	6/20/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107967	6/16/2023	6/17/2023	6/20/2023	10000	2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107962	6/16/2023	6/17/2023	6/20/2023	5000	2.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107958	6/16/2023	6/17/2023	6/20/2023	5000	2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107961	6/16/2023	6/17/2023	6/20/2023	1100	2.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107952	6/16/2023	6/17/2023	6/20/2023	5000	1.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
107959	6/16/2023	6/17/2023	6/20/2023	5000	2.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107963	6/16/2023	6/17/2023	6/20/2023	5000	2.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107966	6/16/2023	6/17/2023	6/20/2023	5000	2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107960	6/16/2023	6/17/2023	6/20/2023	5000	2.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107955	6/16/2023	6/17/2023	6/20/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107968	6/16/2023	6/17/2023	6/20/2023	10000	2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107953	6/16/2023	6/17/2023	6/20/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107956	6/16/2023	6/17/2023	6/20/2023	5000	2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107993	6/20/2023	6/20/2023	6/20/2023	3200	1.86		KERN RIVER - KERN RIVER DLV	FIXED	SELL

107998	6/20/2023	6/20/2023	6/20/2023	5000	2.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107995	6/20/2023	6/20/2023	6/20/2023	5000	2.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107991	6/20/2023	6/20/2023	6/20/2023	10000	2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	SELL
107994	6/20/2023	6/20/2023	6/20/2023	10000	1.85		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107997	6/20/2023	6/20/2023	6/20/2023	5000	2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	SELL
107992	6/20/2023	6/20/2023	6/20/2023	1800	1.86		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107996	6/20/2023	6/20/2023	6/20/2023	5000	2.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107985	6/20/2023	6/21/2023	6/21/2023	5000	2.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107987	6/20/2023	6/21/2023	6/21/2023	5000	2.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107978	6/20/2023	6/21/2023	6/21/2023	15000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107976	6/20/2023	6/21/2023	6/21/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107979	6/20/2023	6/21/2023	6/21/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107983	6/20/2023	6/21/2023	6/21/2023	2500	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107975	6/20/2023	6/21/2023	6/21/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107980	6/20/2023	6/21/2023	6/21/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107982	6/20/2023	6/21/2023	6/21/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107990	6/20/2023	6/21/2023	6/21/2023	2500	2.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107989	6/20/2023	6/21/2023	6/21/2023	5000	2.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107984	6/20/2023	6/21/2023	6/21/2023	20000	2.225		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107977	6/20/2023	6/21/2023	6/21/2023	15000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107986	6/20/2023	6/21/2023	6/21/2023	5000	2.225		KERN RIVER - KERN RIVER DLV	FIXED	SELL
107981	6/20/2023	6/21/2023	6/21/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
107988	6/20/2023	6/21/2023	6/21/2023	5000	2.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108025	6/21/2023	6/21/2023	6/21/2023	5000	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108024	6/21/2023	6/21/2023	6/21/2023	5000	2.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108023	6/21/2023	6/21/2023	6/21/2023	5000	2.0525		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108022	6/21/2023	6/22/2023	6/22/2023	5000	2.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108009	6/21/2023	6/22/2023	6/22/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108019	6/21/2023	6/22/2023	6/22/2023	5000	2.17		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108011	6/21/2023	6/22/2023	6/22/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108020	6/21/2023	6/22/2023	6/22/2023	2100	2.17		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108018	6/21/2023	6/22/2023	6/22/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108010	6/21/2023	6/22/2023	6/22/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108016	6/21/2023	6/22/2023	6/22/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108014	6/21/2023	6/22/2023	6/22/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108021	6/21/2023	6/22/2023	6/22/2023	5000	2.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108007	6/21/2023	6/22/2023	6/22/2023	5000	2.07		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108012	6/21/2023	6/22/2023	6/22/2023	20000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108017	6/21/2023	6/22/2023	6/22/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108015	6/21/2023	6/22/2023	6/22/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108008	6/21/2023	6/22/2023	6/22/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108013	6/21/2023	6/22/2023	6/22/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108041	6/22/2023	6/23/2023	6/23/2023	5000	2.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108038	6/22/2023	6/23/2023	6/23/2023	2500	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108031	6/22/2023	6/23/2023	6/23/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108042	6/22/2023	6/23/2023	6/23/2023	5000	2.325		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108040	6/22/2023	6/23/2023	6/23/2023	5000	2.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108033	6/22/2023	6/23/2023	6/23/2023	15000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108043	6/22/2023	6/23/2023	6/23/2023	5000	2.325		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108032	6/22/2023	6/23/2023	6/23/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108030	6/22/2023	6/23/2023	6/23/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108026	6/22/2023	6/23/2023	6/23/2023	500	2.12		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108035	6/22/2023	6/23/2023	6/23/2023	22500	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108029	6/22/2023	6/23/2023	6/23/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108039	6/22/2023	6/23/2023	6/23/2023	5000	2.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108034	6/22/2023	6/23/2023	6/23/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108036	6/22/2023	6/23/2023	6/23/2023	15000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108027	6/22/2023	6/23/2023	6/23/2023	5000	2.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108028	6/22/2023	6/23/2023	6/23/2023	2000	2.12		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108037	6/22/2023	6/23/2023	6/23/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108050	6/23/2023	6/24/2023	6/26/2023	5000	2.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108065	6/23/2023	6/24/2023	6/26/2023	5000	2.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108066	6/23/2023	6/24/2023	6/26/2023	100	2.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108051	6/23/2023	6/24/2023	6/26/2023	5000	2.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108058	6/23/2023	6/24/2023	6/26/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108064	6/23/2023	6/24/2023	6/26/2023	4000	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108052	6/23/2023	6/24/2023	6/26/2023	5000	2.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108053	6/23/2023	6/24/2023	6/26/2023	12200	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108057	6/23/2023	6/24/2023	6/26/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108060	6/23/2023	6/24/2023	6/26/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108055	6/23/2023	6/24/2023	6/26/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108056	6/23/2023	6/24/2023	6/26/2023	12800	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108062	6/23/2023	6/24/2023	6/26/2023	4900	2.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108059	6/23/2023	6/24/2023	6/26/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108063	6/23/2023	6/24/2023	6/26/2023	5000	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108061	6/23/2023	6/24/2023	6/26/2023	5000	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108054	6/23/2023	6/24/2023	6/26/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108075	6/26/2023	6/27/2023	6/27/2023	2000	2.4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108086	6/26/2023	6/27/2023	6/27/2023	2500	2.69		KERN RIVER - KERN RIVER DLV	FIXED	SELL

108079	6/26/2023	6/27/2023	6/27/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108072	6/26/2023	6/27/2023	6/27/2023	5000	2.52		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108081	6/26/2023	6/27/2023	6/27/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108077	6/26/2023	6/27/2023	6/27/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108085	6/26/2023	6/27/2023	6/27/2023	5000	2.69		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108078	6/26/2023	6/27/2023	6/27/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108082	6/26/2023	6/27/2023	6/27/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108083	6/26/2023	6/27/2023	6/27/2023	15000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108074	6/26/2023	6/27/2023	6/27/2023	5000	2.45		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108087	6/26/2023	6/27/2023	6/27/2023	5000	2.85		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108076	6/26/2023	6/27/2023	6/27/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108080	6/26/2023	6/27/2023	6/27/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108073	6/26/2023	6/27/2023	6/27/2023	5000	2.6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108084	6/26/2023	6/27/2023	6/27/2023	5000	2.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108105	6/27/2023	6/27/2023	6/27/2023	7500	2.525		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108096	6/27/2023	6/28/2023	6/28/2023	25000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108100	6/27/2023	6/28/2023	6/28/2023	5000	2.6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108103	6/27/2023	6/28/2023	6/28/2023	5000	2.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108095	6/27/2023	6/28/2023	6/28/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108098	6/27/2023	6/28/2023	6/28/2023	5000	2.6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108092	6/27/2023	6/28/2023	6/28/2023	5000	2.43		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108097	6/27/2023	6/28/2023	6/28/2023	1400	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108101	6/27/2023	6/28/2023	6/28/2023	5000	2.44		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108094	6/27/2023	6/28/2023	6/28/2023	3600	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108093	6/27/2023	6/28/2023	6/28/2023	9200	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108102	6/27/2023	6/28/2023	6/28/2023	5000	2.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108104	6/27/2023	6/28/2023	6/28/2023	5000	2.525		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108099	6/27/2023	6/28/2023	6/28/2023	5000	2.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108127	6/28/2023	6/28/2023	6/28/2023	5000	2.325		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108126	6/28/2023	6/28/2023	6/28/2023	5000	2.35		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108116	6/28/2023	6/29/2023	6/29/2023	2000	2.68		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108118	6/28/2023	6/29/2023	6/29/2023	2500	2.645		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108121	6/28/2023	6/29/2023	6/29/2023	5000	2.94		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108120	6/28/2023	6/29/2023	6/29/2023	5000	2.88		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108119	6/28/2023	6/29/2023	6/29/2023	5000	2.67		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108114	6/28/2023	6/29/2023	6/29/2023	5000	2.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108113	6/28/2023	6/29/2023	6/29/2023	500	2.68		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108115	6/28/2023	6/29/2023	6/29/2023	5000	2.68		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108122	6/28/2023	6/29/2023	6/29/2023	5000	2.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108112	6/28/2023	6/29/2023	6/29/2023	5000	2.68		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108125	6/28/2023	6/29/2023	6/29/2023	5000	2.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108117	6/28/2023	6/29/2023	6/29/2023	5000	2.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108123	6/28/2023	6/29/2023	6/29/2023	5000	2.94		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108124	6/28/2023	6/29/2023	6/29/2023	5000	2.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108150	6/29/2023	6/29/2023	6/29/2023	5000	3.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108152	6/29/2023	6/29/2023	6/29/2023	5000	2.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108151	6/29/2023	6/29/2023	6/29/2023	5000	2.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108149	6/29/2023	6/29/2023	6/29/2023	5000	2.69		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108134	6/29/2023	6/30/2023	6/30/2023	3100	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108146	6/29/2023	6/30/2023	6/30/2023	4000	2.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108147	6/29/2023	6/30/2023	6/30/2023	5000	2.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108139	6/29/2023	6/30/2023	6/30/2023	2500	2.55		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108135	6/29/2023	6/30/2023	6/30/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108140	6/29/2023	6/30/2023	6/30/2023	5000	2.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108145	6/29/2023	6/30/2023	6/30/2023	1000	2.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108141	6/29/2023	6/30/2023	6/30/2023	5000	2.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108142	6/29/2023	6/30/2023	6/30/2023	5000	2.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108144	6/29/2023	6/30/2023	6/30/2023	5000	2.45		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108136	6/29/2023	6/30/2023	6/30/2023	6900	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108137	6/29/2023	6/30/2023	6/30/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108143	6/29/2023	6/30/2023	6/30/2023	5000	2.88		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108148	6/29/2023	6/30/2023	6/30/2023	2500	3.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108138	6/29/2023	6/30/2023	6/30/2023	2500	2.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108161	6/30/2023	6/30/2023	6/30/2023	5000	2.6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108164	6/30/2023	6/30/2023	6/30/2023	2300	2.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108162	6/30/2023	6/30/2023	6/30/2023	5000	2.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108163	6/30/2023	6/30/2023	6/30/2023	5000	2.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108174	7/1/2023	7/1/2023	7/1/2023	10000	2.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108175	7/1/2023	7/1/2023	7/1/2023	5000	2.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108173	7/1/2023	7/1/2023	7/1/2023	10000	2.85		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108204	7/5/2023	7/5/2023	7/5/2023	15000	2.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	SELL
108203	7/5/2023	7/5/2023	7/5/2023	6500	2.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	SELL
108205	7/5/2023	7/5/2023	7/5/2023	10000	2.68		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108191	7/5/2023	7/6/2023	7/6/2023	25000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108189	7/5/2023	7/6/2023	7/6/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108186	7/5/2023	7/6/2023	7/6/2023	1700	2.51		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108200	7/5/2023	7/6/2023	7/6/2023	1200	2.96		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108184	7/5/2023	7/6/2023	7/6/2023	800	2.51		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108198	7/5/2023	7/6/2023	7/6/2023	5000	2.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL

108202	7/5/2023	7/6/2023	7/6/2023	5000	2.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108196	7/5/2023	7/6/2023	7/6/2023	5000	2.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108195	7/5/2023	7/6/2023	7/6/2023	5000	2.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108197	7/5/2023	7/6/2023	7/6/2023	200	2.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108190	7/5/2023	7/6/2023	7/6/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108188	7/5/2023	7/6/2023	7/6/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108194	7/5/2023	7/6/2023	7/6/2023	5000	2.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108193	7/5/2023	7/6/2023	7/6/2023	2300	2.76		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108199	7/5/2023	7/6/2023	7/6/2023	5000	3.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108187	7/5/2023	7/6/2023	7/6/2023	5000	2.6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108192	7/5/2023	7/6/2023	7/6/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108185	7/5/2023	7/6/2023	7/6/2023	2500	2.45		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108201	7/5/2023	7/6/2023	7/6/2023	5000	3.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108232	7/6/2023	7/6/2023	7/6/2023	10000	2		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108209	7/6/2023	7/7/2023	7/7/2023	2500	2.3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108217	7/6/2023	7/7/2023	7/7/2023	12900	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108223	7/6/2023	7/7/2023	7/7/2023	5000	2.6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108215	7/6/2023	7/7/2023	7/7/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108212	7/6/2023	7/7/2023	7/7/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108207	7/6/2023	7/7/2023	7/7/2023	2500	2.3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108218	7/6/2023	7/7/2023	7/7/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108216	7/6/2023	7/7/2023	7/7/2023	2100	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108208	7/6/2023	7/7/2023	7/7/2023	2500	2.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108220	7/6/2023	7/7/2023	7/7/2023	5000	2.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108222	7/6/2023	7/7/2023	7/7/2023	200	2.53		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108219	7/6/2023	7/7/2023	7/7/2023	5000	2.525		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108210	7/6/2023	7/7/2023	7/7/2023	2500	2.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108221	7/6/2023	7/7/2023	7/7/2023	300	2.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108213	7/6/2023	7/7/2023	7/7/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108211	7/6/2023	7/7/2023	7/7/2023	15000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108214	7/6/2023	7/7/2023	7/7/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108206	7/6/2023	7/7/2023	7/7/2023	2500	2.31		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108244	7/7/2023	7/7/2023	7/7/2023	1700	2.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108243	7/7/2023	7/7/2023	7/7/2023	1100	2.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108245	7/7/2023	7/7/2023	7/7/2023	2000	2.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108246	7/7/2023	7/7/2023	7/7/2023	1700	2.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108240	7/7/2023	7/8/2023	7/10/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108241	7/7/2023	7/8/2023	7/10/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108242	7/7/2023	7/8/2023	7/10/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108249	7/8/2023	7/8/2023	7/8/2023	5000	1.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	SELL
108247	7/8/2023	7/8/2023	7/8/2023	5000	1.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	SELL
108251	7/8/2023	7/8/2023	7/8/2023	3000	1.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108250	7/8/2023	7/8/2023	7/8/2023	10000	1.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108248	7/8/2023	7/8/2023	7/8/2023	5000	1.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	SELL
108263	7/10/2023	7/10/2023	7/10/2023	5000	2.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108262	7/10/2023	7/10/2023	7/10/2023	5000	2.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108261	7/10/2023	7/10/2023	7/10/2023	10000	2.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108265	7/10/2023	7/11/2023	7/11/2023	3000	3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108255	7/10/2023	7/11/2023	7/11/2023	2500	2.51		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108254	7/10/2023	7/11/2023	7/11/2023	5000	2.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108252	7/10/2023	7/11/2023	7/11/2023	5000	2.45		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108264	7/10/2023	7/11/2023	7/11/2023	3000	2.45		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108260	7/10/2023	7/11/2023	7/11/2023	5000	2.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108256	7/10/2023	7/11/2023	7/11/2023	2500	2.51		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108257	7/10/2023	7/11/2023	7/11/2023	5000	3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108253	7/10/2023	7/11/2023	7/11/2023	5000	2.55		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108258	7/10/2023	7/11/2023	7/11/2023	5000	2.955		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108259	7/10/2023	7/11/2023	7/11/2023	5000	2.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108275	7/11/2023	7/12/2023	7/12/2023	4300	2.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108280	7/11/2023	7/12/2023	7/12/2023	5000	3.22		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108279	7/11/2023	7/12/2023	7/12/2023	5000	3.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108274	7/11/2023	7/12/2023	7/12/2023	5000	2.795		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108276	7/11/2023	7/12/2023	7/12/2023	700	2.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108278	7/11/2023	7/12/2023	7/12/2023	5000	3.19		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108277	7/11/2023	7/12/2023	7/12/2023	5000	2.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108289	7/12/2023	7/13/2023	7/13/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108292	7/12/2023	7/13/2023	7/13/2023	3500	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	BUY
108294	7/12/2023	7/13/2023	7/13/2023	3200	2.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108290	7/12/2023	7/13/2023	7/13/2023	5000	2.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108293	7/12/2023	7/13/2023	7/13/2023	3000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	BUY
108288	7/12/2023	7/13/2023	7/13/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108299	7/12/2023	7/13/2023	7/13/2023	10000	3.3		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108297	7/12/2023	7/13/2023	7/13/2023	5000	3.3		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108298	7/12/2023	7/13/2023	7/13/2023	5000	3.3		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108295	7/12/2023	7/13/2023	7/13/2023	5000	2.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108291	7/12/2023	7/13/2023	7/13/2023	5000	2.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108296	7/12/2023	7/13/2023	7/13/2023	5000	3.3		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108324	7/13/2023	7/13/2023	7/13/2023	5000	4		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108321	7/13/2023	7/13/2023	7/13/2023	3600	3.9		KERN RIVER - KERN RIVER DLV	FIXED	BUY

108327	7/13/2023	7/13/2023	7/13/2023	5000	4.05		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108326	7/13/2023	7/13/2023	7/13/2023	5000	4		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108322	7/13/2023	7/13/2023	7/13/2023	10000	3.9		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108323	7/13/2023	7/13/2023	7/13/2023	10000	3.45		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108325	7/13/2023	7/13/2023	7/13/2023	5000	4		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108320	7/13/2023	7/13/2023	7/13/2023	3200	3.3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108318	7/13/2023	7/14/2023	7/14/2023	5000	3.625		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108316	7/13/2023	7/14/2023	7/14/2023	5000	3.665		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108312	7/13/2023	7/14/2023	7/14/2023	5000	3.68		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108314	7/13/2023	7/14/2023	7/14/2023	3700	3.65		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108311	7/13/2023	7/14/2023	7/14/2023	1300	3.65		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108317	7/13/2023	7/14/2023	7/14/2023	5000	3.625		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108315	7/13/2023	7/14/2023	7/14/2023	1300	3.65		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108310	7/13/2023	7/14/2023	7/14/2023	28200	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108319	7/13/2023	7/14/2023	7/14/2023	2500	3.7		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108313	7/13/2023	7/14/2023	7/14/2023	5000	3.665		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108364	7/14/2023	7/14/2023	7/14/2023	5000	4.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108380	7/14/2023	7/14/2023	7/14/2023	10000	5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108357	7/14/2023	7/15/2023	7/17/2023	2500	4.25		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108359	7/14/2023	7/15/2023	7/17/2023	1800	4.2		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108351	7/14/2023	7/15/2023	7/17/2023	5000	4.28		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108350	7/14/2023	7/15/2023	7/17/2023	1600	4.225		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108345	7/14/2023	7/15/2023	7/17/2023	700	3.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108347	7/14/2023	7/15/2023	7/17/2023	2200	3.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108343	7/14/2023	7/15/2023	7/17/2023	300	3.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108352	7/14/2023	7/15/2023	7/17/2023	5000	4.28		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108355	7/14/2023	7/15/2023	7/17/2023	1600	4.37		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108340	7/14/2023	7/15/2023	7/17/2023	8200	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108362	7/14/2023	7/15/2023	7/17/2023	5000	4.2		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108341	7/14/2023	7/15/2023	7/17/2023	2900	3.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108342	7/14/2023	7/15/2023	7/17/2023	2600	3.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108348	7/14/2023	7/15/2023	7/17/2023	5000	3.57		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108363	7/14/2023	7/15/2023	7/17/2023	5000	4.2		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108349	7/14/2023	7/15/2023	7/17/2023	3200	4.2		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108356	7/14/2023	7/15/2023	7/17/2023	5000	4.2		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108361	7/14/2023	7/15/2023	7/17/2023	2500	4.25		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108360	7/14/2023	7/15/2023	7/17/2023	10000	4.2		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108344	7/14/2023	7/15/2023	7/17/2023	4000	3.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108346	7/14/2023	7/15/2023	7/17/2023	2300	3.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108353	7/14/2023	7/15/2023	7/17/2023	3400	4.225		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108354	7/14/2023	7/15/2023	7/17/2023	2500	4.225		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108358	7/14/2023	7/15/2023	7/17/2023	5000	4.225		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108383	7/16/2023	7/16/2023	7/16/2023	25000	4		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108384	7/16/2023	7/16/2023	7/16/2023	3000	5.45		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108385	7/16/2023	7/16/2023	7/16/2023	5000	5.45		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108407	7/17/2023	7/17/2023	7/17/2023	25000	4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108409	7/17/2023	7/17/2023	7/17/2023	1800	5.25		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108408	7/17/2023	7/17/2023	7/17/2023	10000	5.6		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108410	7/17/2023	7/17/2023	7/17/2023	3200	5.25		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108402	7/17/2023	7/18/2023	7/18/2023	4200	5.625		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108388	7/17/2023	7/18/2023	7/18/2023	8200	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108387	7/17/2023	7/18/2023	7/18/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108396	7/17/2023	7/18/2023	7/18/2023	5000	5.47		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108394	7/17/2023	7/18/2023	7/18/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	BUY
108390	7/17/2023	7/18/2023	7/18/2023	2500	3.92		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108400	7/17/2023	7/18/2023	7/18/2023	4000	5.6		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108403	7/17/2023	7/18/2023	7/18/2023	800	5.625		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108398	7/17/2023	7/18/2023	7/18/2023	1000	5.6		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108393	7/17/2023	7/18/2023	7/18/2023	2500	3.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108399	7/17/2023	7/18/2023	7/18/2023	5000	5.62		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108406	7/17/2023	7/18/2023	7/18/2023	5000	5.75		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108389	7/17/2023	7/18/2023	7/18/2023	5000	4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108401	7/17/2023	7/18/2023	7/18/2023	5000	5.65		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108405	7/17/2023	7/18/2023	7/18/2023	5000	5.75		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108395	7/17/2023	7/18/2023	7/18/2023	5000	5.425		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108391	7/17/2023	7/18/2023	7/18/2023	2500	3.925		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108404	7/17/2023	7/18/2023	7/18/2023	2500	5.625		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108397	7/17/2023	7/18/2023	7/18/2023	5000	5.5		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108392	7/17/2023	7/18/2023	7/18/2023	2500	4.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108386	7/17/2023	7/19/2023	7/20/2023	8200	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108434	7/18/2023	7/18/2023	7/18/2023	25000	3.78		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108433	7/18/2023	7/19/2023	7/19/2023	2500	5.25		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108432	7/18/2023	7/19/2023	7/19/2023	5000	5		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108421	7/18/2023	7/19/2023	7/19/2023	3500	3.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108422	7/18/2023	7/19/2023	7/19/2023	2500	3.6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108423	7/18/2023	7/19/2023	7/19/2023	5000	3.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108428	7/18/2023	7/19/2023	7/19/2023	5000	4.95		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108430	7/18/2023	7/19/2023	7/19/2023	2500	4.25		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108420	7/18/2023	7/19/2023	7/19/2023	5000	3.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY

108543	7/24/2023	7/25/2023	7/25/2023	20000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	BUY
108572	7/25/2023	7/26/2023	7/26/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	BUY
108579	7/25/2023	7/26/2023	7/26/2023	3000	5.23		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108568	7/25/2023	7/26/2023	7/26/2023	2500	4.3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108576	7/25/2023	7/26/2023	7/26/2023	5000	5.25		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108580	7/25/2023	7/26/2023	7/26/2023	5000	5.27		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108569	7/25/2023	7/26/2023	7/26/2023	2500	4.35		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108566	7/25/2023	7/26/2023	7/26/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108567	7/25/2023	7/26/2023	7/26/2023	5000	4.325		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108571	7/25/2023	7/26/2023	7/26/2023	5000	4.165		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108574	7/25/2023	7/26/2023	7/26/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	BUY
108565	7/25/2023	7/26/2023	7/26/2023	1200	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108570	7/25/2023	7/26/2023	7/26/2023	4500	4.3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108575	7/25/2023	7/26/2023	7/26/2023	5000	5.23		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108577	7/25/2023	7/26/2023	7/26/2023	2000	5.23		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108573	7/25/2023	7/26/2023	7/26/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	BUY
108578	7/25/2023	7/26/2023	7/26/2023	5000	5.265		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108611	7/26/2023	7/26/2023	7/26/2023	1000	4.6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108612	7/26/2023	7/26/2023	7/26/2023	15000	5.05		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108610	7/26/2023	7/26/2023	7/26/2023	1000	4.6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108605	7/26/2023	7/27/2023	7/27/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	BUY
108604	7/26/2023	7/27/2023	7/27/2023	5000	3.77		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108609	7/26/2023	7/27/2023	7/27/2023	5000	5.5		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108602	7/26/2023	7/27/2023	7/27/2023	5000	3.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108601	7/26/2023	7/27/2023	7/27/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108600	7/26/2023	7/27/2023	7/27/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108603	7/26/2023	7/27/2023	7/27/2023	2000	4.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108606	7/26/2023	7/27/2023	7/27/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	BUY
108608	7/26/2023	7/27/2023	7/27/2023	5000	4.75		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108607	7/26/2023	7/27/2023	7/27/2023	10000	4.75		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108645	7/27/2023	7/27/2023	7/27/2023	1290	4.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108644	7/27/2023	7/27/2023	7/27/2023	5000	4.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108635	7/27/2023	7/28/2023	7/28/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	BUY
108627	7/27/2023	7/28/2023	7/28/2023	1000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108629	7/27/2023	7/28/2023	7/28/2023	2000	4.635		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108638	7/27/2023	7/28/2023	7/28/2023	5000	6.05		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108628	7/27/2023	7/28/2023	7/28/2023	4000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108640	7/27/2023	7/28/2023	7/28/2023	2500	6.25		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108633	7/27/2023	7/28/2023	7/28/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	BUY
108634	7/27/2023	7/28/2023	7/28/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	BUY
108631	7/27/2023	7/28/2023	7/28/2023	5000	4.685		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108637	7/27/2023	7/28/2023	7/28/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	BUY
108636	7/27/2023	7/28/2023	7/28/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	BUY
108626	7/27/2023	7/28/2023	7/28/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108632	7/27/2023	7/28/2023	7/28/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	BUY
108643	7/27/2023	7/28/2023	7/28/2023	15000	6.235		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108641	7/27/2023	7/28/2023	7/28/2023	5000	6.15		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108639	7/27/2023	7/28/2023	7/28/2023	2500	6.25		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108630	7/27/2023	7/28/2023	7/28/2023	5000	4.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108642	7/27/2023	7/28/2023	7/28/2023	10000	6.3		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108648	7/28/2023	7/29/2023	7/31/2023	5000	4.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108647	7/28/2023	7/29/2023	7/31/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108656	7/28/2023	7/29/2023	7/31/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	BUY
108655	7/28/2023	7/29/2023	7/31/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	BUY
108651	7/28/2023	7/29/2023	7/31/2023	4000	4.18		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108646	7/28/2023	7/29/2023	7/31/2023	2100	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108653	7/28/2023	7/29/2023	7/31/2023	1000	4.18		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108654	7/28/2023	7/29/2023	7/31/2023	200	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	BUY
108649	7/28/2023	7/29/2023	7/31/2023	5000	4.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108650	7/28/2023	7/29/2023	7/31/2023	3000	4.225		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108658	7/28/2023	7/29/2023	7/31/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	BUY
108652	7/28/2023	7/29/2023	7/31/2023	1500	4.175		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108657	7/28/2023	7/29/2023	7/31/2023	9800	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	BUY
108671	7/31/2023	8/1/2023	8/1/2023	3700	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108666	7/31/2023	8/1/2023	8/1/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108682	7/31/2023	8/1/2023	8/1/2023	1500	4.84		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108678	7/31/2023	8/1/2023	8/1/2023	5000	3.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108677	7/31/2023	8/1/2023	8/1/2023	100	3.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108674	7/31/2023	8/1/2023	8/1/2023	87	3.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108668	7/31/2023	8/1/2023	8/1/2023	800	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108675	7/31/2023	8/1/2023	8/1/2023	200	3.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108673	7/31/2023	8/1/2023	8/1/2023	3600	4.08		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108680	7/31/2023	8/1/2023	8/1/2023	5000	4.08		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108670	7/31/2023	8/1/2023	8/1/2023	11300	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108679	7/31/2023	8/1/2023	8/1/2023	5000	4.08		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108669	7/31/2023	8/1/2023	8/1/2023	200	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108672	7/31/2023	8/1/2023	8/1/2023	4000	4.05		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108681	7/31/2023	8/1/2023	8/1/2023	3300	3.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108676	7/31/2023	8/1/2023	8/1/2023	2500	3.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY

108667	7/31/2023	8/1/2023	8/1/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108683	7/31/2023	8/1/2023	8/1/2023	5000	5.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108684	7/31/2023	8/1/2023	8/1/2023	5000	5.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108691	8/1/2023	8/2/2023	8/2/2023	2500	3.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108692	8/1/2023	8/2/2023	8/2/2023	10000	3.82		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108704	8/1/2023	8/2/2023	8/2/2023	5000	4.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108698	8/1/2023	8/2/2023	8/2/2023	5000	3.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108708	8/1/2023	8/2/2023	8/2/2023	5000	4.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108693	8/1/2023	8/2/2023	8/2/2023	2500	3.815		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108707	8/1/2023	8/2/2023	8/2/2023	5000	4.18		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108701	8/1/2023	8/2/2023	8/2/2023	2200	4.18		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108703	8/1/2023	8/2/2023	8/2/2023	1300	4.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108695	8/1/2023	8/2/2023	8/2/2023	2500	3.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108694	8/1/2023	8/2/2023	8/2/2023	5000	3.815		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108705	8/1/2023	8/2/2023	8/2/2023	2200	4.18		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108702	8/1/2023	8/2/2023	8/2/2023	5000	4.18		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108711	8/1/2023	8/2/2023	8/2/2023	5000	4.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108696	8/1/2023	8/2/2023	8/2/2023	5700	3.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108710	8/1/2023	8/2/2023	8/2/2023	1800	4.18		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108697	8/1/2023	8/2/2023	8/2/2023	5000	3.82		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108689	8/1/2023	8/2/2023	8/2/2023	5000	3.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108706	8/1/2023	8/2/2023	8/2/2023	5000	4.18		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108690	8/1/2023	8/2/2023	8/2/2023	2500	3.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108700	8/1/2023	8/2/2023	8/2/2023	2800	4.18		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108699	8/1/2023	8/2/2023	8/2/2023	5000	3.82		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108709	8/1/2023	8/2/2023	8/2/2023	100	4.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108728	8/2/2023	8/3/2023	8/3/2023	5000	4.12		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108725	8/2/2023	8/3/2023	8/3/2023	5000	4.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108732	8/2/2023	8/3/2023	8/3/2023	200	4.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108722	8/2/2023	8/3/2023	8/3/2023	2500	3.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108729	8/2/2023	8/3/2023	8/3/2023	5000	4.12		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108731	8/2/2023	8/3/2023	8/3/2023	5000	4.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108724	8/2/2023	8/3/2023	8/3/2023	10000	4.145		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108720	8/2/2023	8/3/2023	8/3/2023	1800	3.78		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108716	8/2/2023	8/3/2023	8/3/2023	7500	3.84		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108723	8/2/2023	8/3/2023	8/3/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108719	8/2/2023	8/3/2023	8/3/2023	5000	3.78		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108727	8/2/2023	8/3/2023	8/3/2023	5000	4.09		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108730	8/2/2023	8/3/2023	8/3/2023	5000	4.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108717	8/2/2023	8/3/2023	8/3/2023	2500	3.84		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108721	8/2/2023	8/3/2023	8/3/2023	5000	3.78		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108718	8/2/2023	8/3/2023	8/3/2023	5000	3.78		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108726	8/2/2023	8/3/2023	8/3/2023	2700	4.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108760	8/3/2023	8/4/2023	8/4/2023	5000	4.215		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108751	8/3/2023	8/4/2023	8/4/2023	2000	4.18		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108748	8/3/2023	8/4/2023	8/4/2023	2500	3.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108752	8/3/2023	8/4/2023	8/4/2023	5000	4.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108754	8/3/2023	8/4/2023	8/4/2023	4400	4.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108756	8/3/2023	8/4/2023	8/4/2023	5000	4.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108749	8/3/2023	8/4/2023	8/4/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
108742	8/3/2023	8/4/2023	8/4/2023	5000	3.81		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108750	8/3/2023	8/4/2023	8/4/2023	600	4.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108746	8/3/2023	8/4/2023	8/4/2023	5000	3.78		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108759	8/3/2023	8/4/2023	8/4/2023	5000	4.14		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108753	8/3/2023	8/4/2023	8/4/2023	5000	4.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108755	8/3/2023	8/4/2023	8/4/2023	5000	4.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108747	8/3/2023	8/4/2023	8/4/2023	5000	3.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108757	8/3/2023	8/4/2023	8/4/2023	5000	4.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108744	8/3/2023	8/4/2023	8/4/2023	5000	3.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108743	8/3/2023	8/4/2023	8/4/2023	3200	3.78		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108758	8/3/2023	8/4/2023	8/4/2023	5000	4.18		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108745	8/3/2023	8/4/2023	8/4/2023	2500	3.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108777	8/4/2023	8/5/2023	8/7/2023	2500	4.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108768	8/4/2023	8/5/2023	8/7/2023	5000	4.22		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108779	8/4/2023	8/5/2023	8/7/2023	5000	4.725		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108770	8/4/2023	8/5/2023	8/7/2023	2000	4.33		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108771	8/4/2023	8/5/2023	8/7/2023	5000	4.28		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108775	8/4/2023	8/5/2023	8/7/2023	2500	4.625		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108788	8/4/2023	8/5/2023	8/7/2023	2200	5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108780	8/4/2023	8/5/2023	8/7/2023	2000	4.72		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108773	8/4/2023	8/5/2023	8/7/2023	5000	4.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108766	8/4/2023	8/5/2023	8/7/2023	5000	4.33		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108767	8/4/2023	8/5/2023	8/7/2023	5000	4.28		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108776	8/4/2023	8/5/2023	8/7/2023	5000	4.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108769	8/4/2023	8/5/2023	8/7/2023	1700	4.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108772	8/4/2023	8/5/2023	8/7/2023	3100	4.19		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108774	8/4/2023	8/5/2023	8/7/2023	5000	4.675		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108781	8/4/2023	8/5/2023	8/7/2023	5000	4.6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108778	8/4/2023	8/5/2023	8/7/2023	5000	4.73		KERN RIVER - KERN RIVER DLV	FIXED	SELL

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108879	8/10/2023	8/11/2023	8/11/2023	5000	4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108880	8/10/2023	8/11/2023	8/11/2023	10000	4.19		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108881	8/10/2023	8/11/2023	8/11/2023	4500	4.18		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108890	8/10/2023	8/11/2023	8/11/2023	5000	4.62		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108919	8/11/2023	8/11/2023	8/11/2023	5000	4.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108929	8/11/2023	8/11/2023	8/11/2023	5000	4.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108930	8/11/2023	8/11/2023	8/11/2023	4500	4.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108920	8/11/2023	8/11/2023	8/11/2023	5000	4.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108918	8/11/2023	8/11/2023	8/11/2023	5000	4.6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108931	8/11/2023	8/11/2023	8/11/2023	9500	4.3		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108932	8/11/2023	8/11/2023	8/11/2023	2500	4.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	SELL
108915	8/11/2023	8/11/2023	8/11/2023	10000	4.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108917	8/11/2023	8/11/2023	8/11/2023	5000	4.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108916	8/11/2023	8/11/2023	8/11/2023	5000	4.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108912	8/11/2023	8/12/2023	8/14/2023	2500	4.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108911	8/11/2023	8/12/2023	8/14/2023	2500	4.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108908	8/11/2023	8/12/2023	8/14/2023	5000	4.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108906	8/11/2023	8/12/2023	8/14/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108913	8/11/2023	8/12/2023	8/14/2023	2400	4.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108907	8/11/2023	8/12/2023	8/14/2023	5000	4.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108914	8/11/2023	8/12/2023	8/14/2023	5000	4.435		KERN RIVER - KERN RIVER RECEIPTS	FIXED	SELL
108909	8/11/2023	8/12/2023	8/14/2023	5000	4.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108910	8/11/2023	8/12/2023	8/14/2023	500	4.6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108934	8/12/2023	8/12/2023	8/12/2023	5000	4.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108933	8/12/2023	8/12/2023	8/12/2023	5000	4.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108935	8/12/2023	8/12/2023	8/12/2023	5000	4.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108937	8/13/2023	8/13/2023	8/13/2023	5000	4.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108938	8/13/2023	8/13/2023	8/13/2023	4900	5.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108951	8/14/2023	8/14/2023	8/14/2023	5000	6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108950	8/14/2023	8/14/2023	8/14/2023	7500	5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108952	8/14/2023	8/14/2023	8/14/2023	1000	5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108941	8/14/2023	8/15/2023	8/15/2023	400	4.925		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108939	8/14/2023	8/15/2023	8/15/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108947	8/14/2023	8/15/2023	8/15/2023	5000	4.955		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108942	8/14/2023	8/15/2023	8/15/2023	5000	5.05		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108940	8/14/2023	8/15/2023	8/15/2023	5000	4.955		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108944	8/14/2023	8/15/2023	8/15/2023	5000	5.085		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108946	8/14/2023	8/15/2023	8/15/2023	10000	4.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108943	8/14/2023	8/15/2023	8/15/2023	2000	4.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108945	8/14/2023	8/15/2023	8/15/2023	9600	4.925		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108948	8/14/2023	8/15/2023	8/15/2023	5000	5.05		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108949	8/14/2023	8/15/2023	8/15/2023	5000	6.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
108994	8/15/2023	8/15/2023	8/15/2023	2100	6.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108993	8/15/2023	8/15/2023	8/15/2023	2100	6.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108977	8/15/2023	8/15/2023	8/15/2023	1200	4.45		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108995	8/15/2023	8/15/2023	8/15/2023	2100	6.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108976	8/15/2023	8/15/2023	8/15/2023	1500	4.45		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108973	8/15/2023	8/16/2023	8/16/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	BUY
108966	8/15/2023	8/16/2023	8/16/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108992	8/15/2023	8/16/2023	8/16/2023	5000	5.77		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108962	8/15/2023	8/16/2023	8/16/2023	1300	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108968	8/15/2023	8/16/2023	8/16/2023	2500	4.45		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108965	8/15/2023	8/16/2023	8/16/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108964	8/15/2023	8/16/2023	8/16/2023	6600	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108971	8/15/2023	8/16/2023	8/16/2023	5000	4.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108975	8/15/2023	8/16/2023	8/16/2023	8500	5.8		KERN RIVER - KERN RIVER DLV	FIXED	BUY
108967	8/15/2023	8/16/2023	8/16/2023	2500	4.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108963	8/15/2023	8/16/2023	8/16/2023	8700	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108969	8/15/2023	8/16/2023	8/16/2023	500	4.525		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108972	8/15/2023	8/16/2023	8/16/2023	2500	4.665		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108961	8/15/2023	8/16/2023	8/16/2023	3100	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
108978	8/15/2023	8/16/2023	8/16/2023	2000	4.525		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108974	8/15/2023	8/16/2023	8/16/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	BUY
108970	8/15/2023	8/16/2023	8/16/2023	5000	4.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109001	8/16/2023	8/17/2023	8/17/2023	5000	3.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109002	8/16/2023	8/17/2023	8/17/2023	2500	3.72		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108999	8/16/2023	8/17/2023	8/17/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
109003	8/16/2023	8/17/2023	8/17/2023	5000	3.78		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108998	8/16/2023	8/17/2023	8/17/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
109000	8/16/2023	8/17/2023	8/17/2023	5000	3.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
108997	8/16/2023	8/17/2023	8/17/2023	10000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
109030	8/17/2023	8/17/2023	8/17/2023	10000	3.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109032	8/17/2023	8/17/2023	8/17/2023	1500	4.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109031	8/17/2023	8/17/2023	8/17/2023	1100	4.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109029	8/17/2023	8/17/2023	8/17/2023	5000	3.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109017	8/17/2023	8/18/2023	8/18/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
109028	8/17/2023	8/18/2023	8/18/2023	4600	4.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109027	8/17/2023	8/18/2023	8/18/2023	5000	4.03		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109016	8/17/2023	8/18/2023	8/18/2023	10000	3.46		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY

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109453	9/5/2023	9/6/2023	9/6/2023	14000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
109451	9/5/2023	9/6/2023	9/6/2023	11000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
109447	9/5/2023	9/6/2023	9/6/2023	2500	2.175		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109457	9/5/2023	9/6/2023	9/6/2023	5000	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109446	9/5/2023	9/6/2023	9/6/2023	5000	2.14		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109458	9/5/2023	9/6/2023	9/6/2023	5000	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109452	9/5/2023	9/6/2023	9/6/2023	11000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
109443	9/5/2023	9/6/2023	9/6/2023	8600	2.135		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109442	9/5/2023	9/6/2023	9/6/2023	3000	2.14		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109494	9/6/2023	9/6/2023	9/6/2023	8500	2.55		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109493	9/6/2023	9/6/2023	9/6/2023	5000	2.45		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109492	9/6/2023	9/6/2023	9/6/2023	5000	2.55		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109495	9/6/2023	9/6/2023	9/6/2023	5000	2.45		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109477	9/6/2023	9/7/2023	9/7/2023	5000	2.405		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109481	9/6/2023	9/7/2023	9/7/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
109489	9/6/2023	9/7/2023	9/7/2023	5000	2.63		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109483	9/6/2023	9/7/2023	9/7/2023	5000	2.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109479	9/6/2023	9/7/2023	9/7/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
109473	9/6/2023	9/7/2023	9/7/2023	5000	2.385		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109482	9/6/2023	9/7/2023	9/7/2023	400	2.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109491	9/6/2023	9/7/2023	9/7/2023	5000	2.615		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109486	9/6/2023	9/7/2023	9/7/2023	5000	2.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109490	9/6/2023	9/7/2023	9/7/2023	5000	2.63		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109478	9/6/2023	9/7/2023	9/7/2023	5000	2.36		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109472	9/6/2023	9/7/2023	9/7/2023	5000	2.36		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109476	9/6/2023	9/7/2023	9/7/2023	3000	2.375		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109487	9/6/2023	9/7/2023	9/7/2023	5000	2.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109480	9/6/2023	9/7/2023	9/7/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
109488	9/6/2023	9/7/2023	9/7/2023	5000	2.62		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109475	9/6/2023	9/7/2023	9/7/2023	1500	2.36		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109484	9/6/2023	9/7/2023	9/7/2023	5000	2.635		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109471	9/6/2023	9/7/2023	9/7/2023	5000	2.36		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109485	9/6/2023	9/7/2023	9/7/2023	5000	2.61		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109474	9/6/2023	9/7/2023	9/7/2023	3500	2.36		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109522	9/7/2023	9/7/2023	9/7/2023	10000	2.55		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109519	9/7/2023	9/7/2023	9/7/2023	5000	2.55		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109520	9/7/2023	9/7/2023	9/7/2023	5000	2.55		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109507	9/7/2023	9/8/2023	9/8/2023	5000	2.64		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109506	9/7/2023	9/8/2023	9/8/2023	5000	2.645		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109518	9/7/2023	9/8/2023	9/8/2023	5000	2.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109509	9/7/2023	9/8/2023	9/8/2023	5000	2.625		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109508	9/7/2023	9/8/2023	9/8/2023	5000	2.63		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109505	9/7/2023	9/8/2023	9/8/2023	10000	2.62		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109521	9/7/2023	9/8/2023	9/8/2023	5000	2.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109512	9/7/2023	9/8/2023	9/8/2023	2000	2.905		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109516	9/7/2023	9/8/2023	9/8/2023	5000	2.93		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109513	9/7/2023	9/8/2023	9/8/2023	3900	2.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109510	9/7/2023	9/8/2023	9/8/2023	2600	2.63		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109517	9/7/2023	9/8/2023	9/8/2023	5000	2.905		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109511	9/7/2023	9/8/2023	9/8/2023	5000	2.63		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109515	9/7/2023	9/8/2023	9/8/2023	500	2.905		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109514	9/7/2023	9/8/2023	9/8/2023	5000	2.89		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109563	9/7/2023	11/1/2023	11/30/2023	6500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
109524	9/7/2023	12/1/2023	12/31/2023	12000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
109531	9/7/2023	12/1/2023	12/31/2023	12000	0	IF ROCKIES	KERN RIVER - PIONEER-JONAH GAS GATHERING	INDEX	BUY
109560	9/7/2023	11/1/2023	3/31/2024	2500	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
109523	9/7/2023	11/1/2023	3/31/2024	2000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
109562	9/7/2023	11/1/2023	3/31/2024	10000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
109557	9/7/2023	11/1/2023	3/31/2024	10000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
109553	9/7/2023	11/1/2023	3/31/2024	10000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
109530	9/7/2023	11/1/2023	3/31/2024	2000	0	IF ROCKIES	KERN RIVER - PIONEER-JONAH GAS GATHERING	INDEX	BUY
109538	9/7/2023	11/1/2023	3/31/2025	40000	0	IF ROCKIES	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
109589	9/8/2023	9/9/2023	9/11/2023	5000	2.815		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109581	9/8/2023	9/9/2023	9/11/2023	5000	2.71		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109582	9/8/2023	9/9/2023	9/11/2023	5000	2.815		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109596	9/8/2023	9/9/2023	9/11/2023	5000	3.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109585	9/8/2023	9/9/2023	9/11/2023	5000	2.77		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109593	9/8/2023	9/9/2023	9/11/2023	5000	3.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109592	9/8/2023	9/9/2023	9/11/2023	5000	2.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109583	9/8/2023	9/9/2023	9/11/2023	5000	2.815		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109594	9/8/2023	9/9/2023	9/11/2023	2000	3.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109590	9/8/2023	9/9/2023	9/11/2023	6800	2.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109595	9/8/2023	9/9/2023	9/11/2023	5000	3.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109588	9/8/2023	9/9/2023	9/11/2023	5000	2.815		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109591	9/8/2023	9/9/2023	9/11/2023	5000	2.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109587	9/8/2023	9/9/2023	9/11/2023	5000	2.77		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109586	9/8/2023	9/9/2023	9/11/2023	5000	2.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109584	9/8/2023	9/9/2023	9/11/2023	5000	2.77		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109597	9/9/2023	9/9/2023	9/9/2023	2000	2.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY

109603	9/10/2023	9/10/2023	9/10/2023	5000	3		KERN RIVER - KERN RIVER DLV	FIXED	BUY
109600	9/10/2023	9/10/2023	9/10/2023	4600	3		KERN RIVER - KERN RIVER DLV	FIXED	BUY
109601	9/10/2023	9/10/2023	9/10/2023	1000	2.99		KERN RIVER - KERN RIVER DLV	FIXED	BUY
109599	9/10/2023	9/10/2023	9/10/2023	150	2.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109598	9/10/2023	9/10/2023	9/10/2023	10000	2.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109602	9/10/2023	9/10/2023	9/10/2023	1700	3		KERN RIVER - KERN RIVER DLV	FIXED	BUY
109611	9/11/2023	9/12/2023	9/12/2023	5000	2.67		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109606	9/11/2023	9/12/2023	9/12/2023	700	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
109614	9/11/2023	9/12/2023	9/12/2023	4500	2.72		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109616	9/11/2023	9/12/2023	9/12/2023	4500	3.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109605	9/11/2023	9/12/2023	9/12/2023	3000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
109608	9/11/2023	9/12/2023	9/12/2023	6200	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
109613	9/11/2023	9/12/2023	9/12/2023	10000	2.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109610	9/11/2023	9/12/2023	9/12/2023	5000	2.72		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109612	9/11/2023	9/12/2023	9/12/2023	5000	2.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109618	9/11/2023	9/12/2023	9/12/2023	5000	3.68		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109621	9/11/2023	9/12/2023	9/12/2023	5000	3.525		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109619	9/11/2023	9/12/2023	9/12/2023	3000	3.47		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109609	9/11/2023	9/12/2023	9/12/2023	5000	2.61		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109617	9/11/2023	9/12/2023	9/12/2023	5000	3.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109620	9/11/2023	9/12/2023	9/12/2023	5000	3.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109604	9/11/2023	9/12/2023	9/12/2023	5000	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
109615	9/11/2023	9/12/2023	9/12/2023	5000	3.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109607	9/11/2023	9/12/2023	9/12/2023	1300	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
109650	9/12/2023	9/13/2023	9/13/2023	2500	2.72		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109654	9/12/2023	9/13/2023	9/13/2023	3000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
109655	9/12/2023	9/13/2023	9/13/2023	5000	3.44		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109643	9/12/2023	9/13/2023	9/13/2023	2500	2.795		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109648	9/12/2023	9/13/2023	9/13/2023	2500	2.72		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109645	9/12/2023	9/13/2023	9/13/2023	5000	2.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109649	9/12/2023	9/13/2023	9/13/2023	5000	2.77		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109646	9/12/2023	9/13/2023	9/13/2023	5000	2.735		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109647	9/12/2023	9/13/2023	9/13/2023	5000	2.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109652	9/12/2023	9/13/2023	9/13/2023	5000	3.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109653	9/12/2023	9/13/2023	9/13/2023	5000	3.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109651	9/12/2023	9/13/2023	9/13/2023	5000	3.45		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109659	9/12/2023	9/13/2023	9/13/2023	5000	3.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109644	9/12/2023	9/13/2023	9/13/2023	3000	2.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109656	9/12/2023	9/13/2023	9/13/2023	5000	3.535		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109657	9/12/2023	9/13/2023	9/13/2023	5000	3.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109658	9/12/2023	9/13/2023	9/13/2023	5000	3.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109708	9/13/2023	9/13/2023	9/13/2023	2500	3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109711	9/13/2023	9/13/2023	9/13/2023	5000	3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109710	9/13/2023	9/13/2023	9/13/2023	5000	3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109712	9/13/2023	9/13/2023	9/13/2023	3500	2.68		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109709	9/13/2023	9/13/2023	9/13/2023	5000	3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109714	9/13/2023	9/13/2023	9/13/2023	200	2.895		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109713	9/13/2023	9/13/2023	9/13/2023	5000	3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109687	9/13/2023	9/14/2023	9/14/2023	5000	2.995		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109692	9/13/2023	9/14/2023	9/14/2023	5000	3.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109705	9/13/2023	9/14/2023	9/14/2023	5000	3.32		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109675	9/13/2023	9/14/2023	9/14/2023	5000	2.91		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109698	9/13/2023	9/14/2023	9/14/2023	5000	3.3525		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109688	9/13/2023	9/14/2023	9/14/2023	5000	2.995		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109685	9/13/2023	9/14/2023	9/14/2023	2000	2.93		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109697	9/13/2023	9/14/2023	9/14/2023	5000	3.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109676	9/13/2023	9/14/2023	9/14/2023	5000	2.91		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109680	9/13/2023	9/14/2023	9/14/2023	3000	2.93		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109679	9/13/2023	9/14/2023	9/14/2023	5000	2.91		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109686	9/13/2023	9/14/2023	9/14/2023	5000	2.995		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109677	9/13/2023	9/14/2023	9/14/2023	5000	2.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109690	9/13/2023	9/14/2023	9/14/2023	5000	3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109678	9/13/2023	9/14/2023	9/14/2023	800	2.91		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109689	9/13/2023	9/14/2023	9/14/2023	5000	3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109704	9/13/2023	9/14/2023	9/14/2023	5000	3.39		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109682	9/13/2023	9/14/2023	9/14/2023	5000	2.93		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109683	9/13/2023	9/14/2023	9/14/2023	5000	2.93		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109696	9/13/2023	9/14/2023	9/14/2023	5000	3.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109702	9/13/2023	9/14/2023	9/14/2023	5000	3.39		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109674	9/13/2023	9/14/2023	9/14/2023	5000	2.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109695	9/13/2023	9/14/2023	9/14/2023	5000	3.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109706	9/13/2023	9/14/2023	9/14/2023	5000	3.32		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109681	9/13/2023	9/14/2023	9/14/2023	5000	2.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109673	9/13/2023	9/14/2023	9/14/2023	5000	2.98		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109707	9/13/2023	9/14/2023	9/14/2023	3000	3.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109694	9/13/2023	9/14/2023	9/14/2023	5000	3.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109691	9/13/2023	9/14/2023	9/14/2023	5000	2.71		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109693	9/13/2023	9/14/2023	9/14/2023	5000	3.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109703	9/13/2023	9/14/2023	9/14/2023	5000	3.39		KERN RIVER - KERN RIVER DLV	FIXED	SELL

109988	9/25/2023	9/26/2023	9/26/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110000	9/25/2023	9/26/2023	9/26/2023	2500	2.26		KERN RIVER - KERN RIVER DLV	FIXED	SELL
109992	9/25/2023	9/26/2023	9/26/2023	2900	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110013	9/25/2023	9/26/2023	9/26/2023	5000	2.3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109994	9/25/2023	9/26/2023	9/26/2023	2400	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
109989	9/25/2023	9/26/2023	9/26/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
109986	9/25/2023	9/26/2023	9/26/2023	7500	2.22		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109999	9/25/2023	9/26/2023	9/26/2023	2500	2.31		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110001	9/25/2023	9/26/2023	9/26/2023	10000	2.32		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
109993	9/25/2023	9/26/2023	9/26/2023	12000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110014	9/25/2023	9/26/2023	9/26/2023	5000	2.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110036	9/26/2023	9/26/2023	9/26/2023	1100	2.3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110038	9/26/2023	9/26/2023	9/26/2023	5000	2.3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110037	9/26/2023	9/26/2023	9/26/2023	10000	2.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110039	9/26/2023	9/26/2023	9/26/2023	5000	2.3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110057	9/26/2023	9/26/2023	9/26/2023	7000	2.225		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110040	9/26/2023	9/26/2023	9/26/2023	5000	2.3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110025	9/26/2023	9/27/2023	9/27/2023	9000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110035	9/26/2023	9/27/2023	9/27/2023	2500	2.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110032	9/26/2023	9/27/2023	9/27/2023	3000	2.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110022	9/26/2023	9/27/2023	9/27/2023	15000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110017	9/26/2023	9/27/2023	9/27/2023	1600	2.21		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110030	9/26/2023	9/27/2023	9/27/2023	5000	2.375		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110016	9/26/2023	9/27/2023	9/27/2023	5000	2.23		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110015	9/26/2023	9/27/2023	9/27/2023	5000	2.21		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110033	9/26/2023	9/27/2023	9/27/2023	1600	2.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110031	9/26/2023	9/27/2023	9/27/2023	5000	2.385		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110026	9/26/2023	9/27/2023	9/27/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110024	9/26/2023	9/27/2023	9/27/2023	3500	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110028	9/26/2023	9/27/2023	9/27/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110020	9/26/2023	9/27/2023	9/27/2023	1000	2.17		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110023	9/26/2023	9/27/2023	9/27/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110019	9/26/2023	9/27/2023	9/27/2023	2500	2.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110029	9/26/2023	9/27/2023	9/27/2023	1000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110018	9/26/2023	9/27/2023	9/27/2023	2500	2.17		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110021	9/26/2023	9/27/2023	9/27/2023	3600	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110034	9/26/2023	9/27/2023	9/27/2023	3700	2.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110027	9/26/2023	9/27/2023	9/27/2023	2900	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110068	9/27/2023	9/27/2023	9/27/2023	5000	2.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110066	9/27/2023	9/27/2023	9/27/2023	5000	2.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110067	9/27/2023	9/27/2023	9/27/2023	5000	2.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110063	9/27/2023	9/28/2023	9/28/2023	5500	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110061	9/27/2023	9/28/2023	9/28/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110062	9/27/2023	9/28/2023	9/28/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110060	9/27/2023	9/28/2023	9/28/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110065	9/27/2023	9/28/2023	9/28/2023	5000	2.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110059	9/27/2023	9/28/2023	9/28/2023	300	2.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110058	9/27/2023	9/28/2023	9/28/2023	4700	2.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110064	9/27/2023	9/28/2023	9/28/2023	200	2.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110084	9/28/2023	9/29/2023	9/30/2023	5000	2.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110080	9/28/2023	9/29/2023	9/30/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110083	9/28/2023	9/29/2023	9/30/2023	11000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110082	9/28/2023	9/29/2023	9/30/2023	2900	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110086	9/28/2023	9/29/2023	9/30/2023	3000	2.21		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110085	9/28/2023	9/29/2023	9/30/2023	5000	2.21		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110081	9/28/2023	9/29/2023	9/30/2023	30000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110078	9/28/2023	9/29/2023	9/30/2023	4000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110087	9/28/2023	9/29/2023	9/30/2023	5000	2.21		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110079	9/28/2023	9/29/2023	9/30/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110124	9/29/2023	10/1/2023	10/2/2023	500	2.055		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110099	9/29/2023	10/1/2023	10/2/2023	2500	1.96		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110104	9/29/2023	10/1/2023	10/2/2023	2800	2.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110102	9/29/2023	10/1/2023	10/2/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110105	9/29/2023	10/1/2023	10/2/2023	2900	2.08		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110101	9/29/2023	10/1/2023	10/2/2023	5000	1.98		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110106	9/29/2023	10/1/2023	10/2/2023	2300	2.055		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110103	9/29/2023	10/1/2023	10/2/2023	2100	2.08		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110107	9/29/2023	10/1/2023	10/2/2023	7500	2.055		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110100	9/29/2023	10/1/2023	10/2/2023	2500	1.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110151	10/2/2023	9/29/2023	9/29/2023	1578	2.16		KERN RIVER - KERN RIVER RECEIPTS	FIXED	SELL
110149	10/2/2023	9/29/2023	9/29/2023	509	2.1		KERN RIVER - KERN RIVER DLV	FIXED	BUY
110148	10/2/2023	9/29/2023	9/29/2023	266	2.1		KERN RIVER - KERN RIVER DLV	FIXED	BUY
110150	10/2/2023	9/29/2023	9/29/2023	750	2.1		KERN RIVER - KERN RIVER DLV	FIXED	BUY
110147	10/2/2023	9/30/2023	9/30/2023	3792	2.16		KERN RIVER - KERN RIVER RECEIPTS	FIXED	SELL
110146	10/2/2023	9/30/2023	9/30/2023	2128	2.1		KERN RIVER - KERN RIVER DLV	FIXED	BUY
110145	10/2/2023	9/30/2023	9/30/2023	858	2.1		KERN RIVER - KERN RIVER DLV	FIXED	BUY
110144	10/2/2023	9/30/2023	9/30/2023	679	2.1		KERN RIVER - KERN RIVER DLV	FIXED	BUY
110143	10/2/2023	10/2/2023	10/2/2023	2500	2.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110136	10/2/2023	10/2/2023	10/2/2023	1000	2.3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY

110139	10/2/2023	10/2/2023	10/2/2023	3000	2.3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110137	10/2/2023	10/2/2023	10/2/2023	1500	2.3		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110140	10/2/2023	10/2/2023	10/2/2023	2000	2.325		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110138	10/2/2023	10/2/2023	10/2/2023	5000	2.35		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110142	10/2/2023	10/2/2023	10/2/2023	5000	2.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110141	10/2/2023	10/2/2023	10/2/2023	5000	2.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110127	10/2/2023	10/3/2023	10/3/2023	5000	2.225		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110130	10/2/2023	10/3/2023	10/3/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110129	10/2/2023	10/3/2023	10/3/2023	2000	2.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110126	10/2/2023	10/3/2023	10/3/2023	5000	2.19		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110134	10/2/2023	10/3/2023	10/3/2023	15019	2.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110133	10/2/2023	10/3/2023	10/3/2023	300	2.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110135	10/2/2023	10/3/2023	10/3/2023	5000	2.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110125	10/2/2023	10/3/2023	10/3/2023	5000	2.19		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110128	10/2/2023	10/3/2023	10/3/2023	10000	2.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110131	10/2/2023	10/3/2023	10/3/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
111167	10/2/2023	10/3/2023	10/3/2023	10000	2.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110132	10/2/2023	10/3/2023	10/3/2023	5000	2.53		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110187	10/3/2023	10/3/2023	10/3/2023	3000	2.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110188	10/3/2023	10/3/2023	10/3/2023	1000	2.85		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110170	10/3/2023	10/4/2023	10/4/2023	5000	2.495		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110178	10/3/2023	10/4/2023	10/4/2023	1900	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110175	10/3/2023	10/4/2023	10/4/2023	2500	2.52		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110179	10/3/2023	10/4/2023	10/4/2023	2500	2.94		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110169	10/3/2023	10/4/2023	10/4/2023	3100	2.425		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110173	10/3/2023	10/4/2023	10/4/2023	5000	2.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110181	10/3/2023	10/4/2023	10/4/2023	2500	2.88		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110171	10/3/2023	10/4/2023	10/4/2023	5000	2.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110174	10/3/2023	10/4/2023	10/4/2023	5000	2.515		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110180	10/3/2023	10/4/2023	10/4/2023	5000	2.92		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110172	10/3/2023	10/4/2023	10/4/2023	5000	2.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110182	10/3/2023	10/4/2023	10/4/2023	5000	2.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110185	10/3/2023	10/4/2023	10/4/2023	2500	2.85		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110177	10/3/2023	10/4/2023	10/4/2023	3700	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110186	10/3/2023	10/4/2023	10/4/2023	5000	3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110184	10/3/2023	10/4/2023	10/4/2023	5000	2.84		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110176	10/3/2023	10/4/2023	10/4/2023	1300	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110168	10/3/2023	10/4/2023	10/4/2023	1900	2.425		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110183	10/3/2023	10/4/2023	10/4/2023	5019	2.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110234	10/4/2023	10/4/2023	10/4/2023	1000	5.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110213	10/4/2023	10/5/2023	10/5/2023	5000	4.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110207	10/4/2023	10/5/2023	10/5/2023	5000	3.09		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110212	10/4/2023	10/5/2023	10/5/2023	3500	3.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110203	10/4/2023	10/5/2023	10/5/2023	4000	2.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110202	10/4/2023	10/5/2023	10/5/2023	1500	2.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110210	10/4/2023	10/5/2023	10/5/2023	5000	3.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110219	10/4/2023	10/5/2023	10/5/2023	1500	3.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110217	10/4/2023	10/5/2023	10/5/2023	2000	3.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110214	10/4/2023	10/5/2023	10/5/2023	5000	3.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110215	10/4/2023	10/5/2023	10/5/2023	5000	4.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110204	10/4/2023	10/5/2023	10/5/2023	5000	2.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110208	10/4/2023	10/5/2023	10/5/2023	2000	2.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110218	10/4/2023	10/5/2023	10/5/2023	4000	3.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110209	10/4/2023	10/5/2023	10/5/2023	5000	3.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110211	10/4/2023	10/5/2023	10/5/2023	1500	3.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110205	10/4/2023	10/5/2023	10/5/2023	1500	2.69		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110206	10/4/2023	10/5/2023	10/5/2023	3500	2.69		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110216	10/4/2023	10/5/2023	10/5/2023	5000	3.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110243	10/5/2023	10/5/2023	10/5/2023	2100	2.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110244	10/5/2023	10/5/2023	10/5/2023	2100	3.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110257	10/5/2023	10/5/2023	10/5/2023	2500	2.45		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110235	10/5/2023	10/6/2023	10/6/2023	4000	2.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110236	10/5/2023	10/6/2023	10/6/2023	5000	2.63		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110242	10/5/2023	10/6/2023	10/6/2023	5000	3.45		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110239	10/5/2023	10/6/2023	10/6/2023	1000	2.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110237	10/5/2023	10/6/2023	10/6/2023	5000	2.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110238	10/5/2023	10/6/2023	10/6/2023	5000	2.6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110240	10/5/2023	10/6/2023	10/6/2023	5000	3.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110241	10/5/2023	10/6/2023	10/6/2023	5000	3.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110289	10/6/2023	10/6/2023	10/6/2023	5100	2.4		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110276	10/6/2023	10/6/2023	10/6/2023	10000	2.5		KERN RIVER - KERN RIVER DLV	FIXED	BUY
110271	10/6/2023	10/7/2023	10/9/2023	2600	3.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110263	10/6/2023	10/7/2023	10/9/2023	5000	2.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110275	10/6/2023	10/7/2023	10/9/2023	2500	2.94		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110273	10/6/2023	10/7/2023	10/9/2023	5000	2.94		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110269	10/6/2023	10/7/2023	10/9/2023	2500	2.55		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110266	10/6/2023	10/7/2023	10/9/2023	2500	2.55		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110272	10/6/2023	10/7/2023	10/9/2023	5000	3.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110261	10/6/2023	10/7/2023	10/9/2023	10100	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY

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110583	10/23/2023	10/24/2023	10/24/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110582	10/23/2023	10/24/2023	10/24/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110577	10/23/2023	10/24/2023	10/24/2023	4000	2.55		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110584	10/23/2023	10/24/2023	10/24/2023	900	2.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110581	10/23/2023	10/24/2023	10/24/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110579	10/23/2023	10/24/2023	10/24/2023	2500	2.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110586	10/23/2023	10/24/2023	10/24/2023	2500	2.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110585	10/23/2023	10/24/2023	10/24/2023	1784	2.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110580	10/23/2023	10/24/2023	10/24/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110578	10/23/2023	10/24/2023	10/24/2023	2100	2.5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110588	10/23/2023	10/24/2023	10/24/2023	1000	2.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110635	10/24/2023	10/24/2023	10/24/2023	5000	2.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110634	10/24/2023	10/24/2023	10/24/2023	5000	2.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110630	10/24/2023	10/24/2023	10/24/2023	5000	2.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110636	10/24/2023	10/24/2023	10/24/2023	5000	3.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110633	10/24/2023	10/24/2023	10/24/2023	4200	3.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110632	10/24/2023	10/24/2023	10/24/2023	800	3.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110631	10/24/2023	10/24/2023	10/24/2023	5000	2.65		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110601	10/24/2023	10/25/2023	10/25/2023	2500	2.55		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110625	10/24/2023	10/25/2023	10/25/2023	2500	5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110608	10/24/2023	10/25/2023	10/25/2023	10000	2.64		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110619	10/24/2023	10/25/2023	10/25/2023	2500	3.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110614	10/24/2023	10/25/2023	10/25/2023	9200	3.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110620	10/24/2023	10/25/2023	10/25/2023	2500	4.725		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110603	10/24/2023	10/25/2023	10/25/2023	5000	2.62		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110600	10/24/2023	10/25/2023	10/25/2023	5000	2.64		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110626	10/24/2023	10/25/2023	10/25/2023	1000	5.45		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110605	10/24/2023	10/25/2023	10/25/2023	5000	2.64		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110623	10/24/2023	10/25/2023	10/25/2023	5000	4.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110615	10/24/2023	10/25/2023	10/25/2023	5000	3.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110604	10/24/2023	10/25/2023	10/25/2023	5000	2.635		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110609	10/24/2023	10/25/2023	10/25/2023	1900	2.69		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110622	10/24/2023	10/25/2023	10/25/2023	2500	5.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110607	10/24/2023	10/25/2023	10/25/2023	10000	2.64		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110621	10/24/2023	10/25/2023	10/25/2023	1100	4.825		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110627	10/24/2023	10/25/2023	10/25/2023	5000	3.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110624	10/24/2023	10/25/2023	10/25/2023	5000	4.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110611	10/24/2023	10/25/2023	10/25/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110606	10/24/2023	10/25/2023	10/25/2023	1000	2.58		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110618	10/24/2023	10/25/2023	10/25/2023	2500	4.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110612	10/24/2023	10/25/2023	10/25/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110616	10/24/2023	10/25/2023	10/25/2023	2500	3.9025		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110628	10/24/2023	10/25/2023	10/25/2023	5000	4.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110617	10/24/2023	10/25/2023	10/25/2023	2500	4.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110610	10/24/2023	10/25/2023	10/25/2023	2400	2.69		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110629	10/24/2023	10/25/2023	10/25/2023	5000	4.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110613	10/24/2023	10/25/2023	10/25/2023	2500	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110602	10/24/2023	10/25/2023	10/25/2023	7500	2.6025		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110650	10/25/2023	10/25/2023	10/25/2023	500	3.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110647	10/25/2023	10/26/2023	10/26/2023	5000	5.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110642	10/25/2023	10/26/2023	10/26/2023	5000	4.35		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110645	10/25/2023	10/26/2023	10/26/2023	2500	5.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110649	10/25/2023	10/26/2023	10/26/2023	2500	5.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110646	10/25/2023	10/26/2023	10/26/2023	1000	5.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110641	10/25/2023	10/26/2023	10/26/2023	7500	0	GD KERN OPAL	KERN RIVER - KERN RIVER RECEIPTS	INDEX	BUY
110644	10/25/2023	10/26/2023	10/26/2023	9300	4.37		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110648	10/25/2023	10/26/2023	10/26/2023	2500	5.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110643	10/25/2023	10/26/2023	10/26/2023	700	4.37		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110662	10/26/2023	10/26/2023	10/26/2023	5000	4.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110661	10/26/2023	10/26/2023	10/26/2023	5000	4.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110664	10/26/2023	10/26/2023	10/26/2023	5000	4.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110663	10/26/2023	10/26/2023	10/26/2023	5000	4.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110657	10/26/2023	10/27/2023	10/27/2023	5000	4.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110658	10/26/2023	10/27/2023	10/27/2023	5000	4.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110655	10/26/2023	10/27/2023	10/27/2023	5000	5.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110660	10/26/2023	10/27/2023	10/27/2023	7500	4.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110656	10/26/2023	10/27/2023	10/27/2023	5000	4.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110659	10/26/2023	10/27/2023	10/27/2023	5000	4.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110681	10/27/2023	10/28/2023	10/30/2023	2500	5.45		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110676	10/27/2023	10/28/2023	10/30/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110684	10/27/2023	10/28/2023	10/30/2023	2500	5.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110679	10/27/2023	10/28/2023	10/30/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110677	10/27/2023	10/28/2023	10/30/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110685	10/27/2023	10/28/2023	10/30/2023	2500	5.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110678	10/27/2023	10/28/2023	10/30/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110680	10/27/2023	10/28/2023	10/30/2023	2500	5.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110686	10/27/2023	10/28/2023	10/30/2023	4700	4.95		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110682	10/27/2023	10/28/2023	10/30/2023	2500	5.6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110683	10/27/2023	10/28/2023	10/30/2023	2500	5.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL

110697	10/28/2023	10/28/2023	10/28/2023	5000	5.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110696	10/28/2023	10/28/2023	10/28/2023	10000	5.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110699	10/29/2023	10/29/2023	10/29/2023	10000	5.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110700	10/29/2023	10/29/2023	10/29/2023	4600	5.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110703	10/29/2023	10/29/2023	10/29/2023	3800	5.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110701	10/29/2023	10/29/2023	10/29/2023	5000	5.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110702	10/29/2023	10/29/2023	10/29/2023	1600	5.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110715	10/30/2023	10/30/2023	10/30/2023	5000	5.95		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110716	10/30/2023	10/30/2023	10/30/2023	5000	6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110713	10/30/2023	10/31/2023	10/31/2023	5000	6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110711	10/30/2023	10/31/2023	10/31/2023	5000	6.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110706	10/30/2023	10/31/2023	10/31/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110709	10/30/2023	10/31/2023	10/31/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110707	10/30/2023	10/31/2023	10/31/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110712	10/30/2023	10/31/2023	10/31/2023	5000	5.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110710	10/30/2023	10/31/2023	10/31/2023	5000	6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110714	10/30/2023	10/31/2023	10/31/2023	5000	6.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110708	10/30/2023	10/31/2023	10/31/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110705	10/30/2023	10/31/2023	10/31/2023	7500	5.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110747	10/31/2023	10/31/2023	10/31/2023	200	7.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110739	10/31/2023	10/31/2023	10/31/2023	5000	5.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110748	10/31/2023	10/31/2023	10/31/2023	2000	6.6		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110740	10/31/2023	10/31/2023	10/31/2023	5000	6.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110745	10/31/2023	10/31/2023	10/31/2023	1000	6.8		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110738	10/31/2023	10/31/2023	10/31/2023	5000	5.825		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110741	10/31/2023	10/31/2023	10/31/2023	5000	6.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110746	10/31/2023	10/31/2023	10/31/2023	2000	7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110744	10/31/2023	10/31/2023	10/31/2023	1000	6.25		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110730	10/31/2023	11/1/2023	11/1/2023	1000	5.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110731	10/31/2023	11/1/2023	11/1/2023	3300	5.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110729	10/31/2023	11/1/2023	11/1/2023	2500	5.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110736	10/31/2023	11/1/2023	11/1/2023	5000	5.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110734	10/31/2023	11/1/2023	11/1/2023	5000	5.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110722	10/31/2023	11/1/2023	11/1/2023	5000	5.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110720	10/31/2023	11/1/2023	11/1/2023	2800	4.98		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110742	10/31/2023	11/1/2023	11/1/2023	100	4.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110718	10/31/2023	11/1/2023	11/1/2023	3300	4.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110743	10/31/2023	11/1/2023	11/1/2023	4900	4.75		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110726	10/31/2023	11/1/2023	11/1/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110727	10/31/2023	11/1/2023	11/1/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
110725	10/31/2023	11/1/2023	11/1/2023	1500	4.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110737	10/31/2023	11/1/2023	11/1/2023	4000	5.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110735	10/31/2023	11/1/2023	11/1/2023	5000	5.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110721	10/31/2023	11/1/2023	11/1/2023	5000	4.98		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110724	10/31/2023	11/1/2023	11/1/2023	5000	4.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110723	10/31/2023	11/1/2023	11/1/2023	200	4.9		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110719	10/31/2023	11/1/2023	11/1/2023	1000	4.98		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110732	10/31/2023	11/1/2023	11/1/2023	1700	5.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110733	10/31/2023	11/1/2023	11/1/2023	5000	5.35		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110728	10/31/2023	11/1/2023	11/1/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
111472	11/1/2023	11/1/2023	11/1/2023	2500	6.175		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110765	11/1/2023	11/1/2023	11/1/2023	2500	6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110762	11/1/2023	11/1/2023	11/1/2023	100	4.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110763	11/1/2023	11/1/2023	11/1/2023	200	4.8		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110764	11/1/2023	11/1/2023	11/1/2023	200	5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110761	11/1/2023	11/2/2023	11/2/2023	5000	4.85		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110766	11/1/2023	11/2/2023	11/2/2023	5000	4.76		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110760	11/1/2023	11/2/2023	11/2/2023	5000	4.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110758	11/1/2023	11/2/2023	11/2/2023	5000	5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110757	11/1/2023	11/2/2023	11/2/2023	5000	5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110759	11/1/2023	11/2/2023	11/2/2023	5000	5.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110776	11/2/2023	11/2/2023	11/2/2023	3500	4.75		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110775	11/2/2023	11/2/2023	11/2/2023	5000	4.525		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110779	11/2/2023	11/2/2023	11/2/2023	5000	4.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110782	11/2/2023	11/2/2023	11/2/2023	5000	4.85		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110781	11/2/2023	11/2/2023	11/2/2023	5000	4.61		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110777	11/2/2023	11/2/2023	11/2/2023	1500	4.65		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110780	11/2/2023	11/2/2023	11/2/2023	5000	4.55		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110778	11/2/2023	11/3/2023	11/3/2023	2500	4.7		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110772	11/2/2023	11/3/2023	11/3/2023	1500	4.45		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110774	11/2/2023	11/3/2023	11/3/2023	3500	4.45		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110769	11/2/2023	11/3/2023	11/3/2023	2400	4.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110773	11/2/2023	11/3/2023	11/3/2023	5000	4.425		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110771	11/2/2023	11/3/2023	11/3/2023	2600	4.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110770	11/2/2023	11/3/2023	11/3/2023	5000	4.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110817	11/3/2023	11/3/2023	11/3/2023	5000	4.99		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110822	11/3/2023	11/3/2023	11/3/2023	5000	5.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
110818	11/3/2023	11/3/2023	11/3/2023	5000	5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
110819	11/3/2023	11/3/2023	11/3/2023	5000	5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY

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111008	11/18/2023	11/18/2023	11/18/2023	500	4.925	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111103	11/20/2023	11/20/2023	11/20/2023	5000	4.45	KERN RIVER - KERN RIVER DLV	FIXED	BUY
111102	11/20/2023	11/20/2023	11/20/2023	20000	4.55	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111091	11/20/2023	11/21/2023	11/21/2023	2500	5.45	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111089	11/20/2023	11/21/2023	11/21/2023	5000	5.25	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111088	11/20/2023	11/21/2023	11/21/2023	5000	5.3	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111090	11/20/2023	11/21/2023	11/21/2023	2500	5.5	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111111	11/21/2023	11/22/2023	11/22/2023	200	4.75	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111110	11/21/2023	11/22/2023	11/22/2023	5000	4.95	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111112	11/21/2023	11/22/2023	11/22/2023	5000	4.9	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111124	11/22/2023	11/22/2023	11/22/2023	5000	4.75	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111113	11/22/2023	11/23/2023	11/27/2023	5000	4	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111135	11/27/2023	11/27/2023	11/27/2023	4900	6	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111140	11/27/2023	11/27/2023	11/27/2023	2500	6.17	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111137	11/27/2023	11/27/2023	11/27/2023	5000	5.9	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111139	11/27/2023	11/27/2023	11/27/2023	900	6.16	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111136	11/27/2023	11/27/2023	11/27/2023	5000	5.9	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111133	11/27/2023	11/27/2023	11/27/2023	10000	6	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111134	11/27/2023	11/27/2023	11/27/2023	10000	6	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111148	11/27/2023	11/27/2023	11/27/2023	3000	5.7	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111138	11/27/2023	11/27/2023	11/27/2023	900	5.85	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111147	11/27/2023	11/27/2023	11/27/2023	5000	5.7	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111128	11/27/2023	11/28/2023	11/28/2023	5000	6	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111129	11/27/2023	11/28/2023	11/28/2023	5000	5.75	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111132	11/27/2023	11/28/2023	11/28/2023	5000	6	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111130	11/27/2023	11/28/2023	11/28/2023	5000	5.8	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111131	11/27/2023	11/28/2023	11/28/2023	5000	5.75	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111159	11/28/2023	11/28/2023	11/28/2023	3500	5.85	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111164	11/28/2023	11/28/2023	11/28/2023	5000	6	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111166	11/28/2023	11/28/2023	11/28/2023	1000	6.2	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111165	11/28/2023	11/28/2023	11/28/2023	2500	6.1	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111163	11/28/2023	11/28/2023	11/28/2023	4500	5.95	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111160	11/28/2023	11/28/2023	11/28/2023	20000	5.65	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111162	11/28/2023	11/28/2023	11/28/2023	4000	6.2	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111161	11/28/2023	11/28/2023	11/28/2023	5000	5.75	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111155	11/28/2023	11/29/2023	11/29/2023	5000	6	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111157	11/28/2023	11/29/2023	11/29/2023	5000	6	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111149	11/28/2023	11/29/2023	11/29/2023	5000	5.8	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111152	11/28/2023	11/29/2023	11/29/2023	5000	5.8	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111156	11/28/2023	11/29/2023	11/29/2023	700	6.1	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111158	11/28/2023	11/29/2023	11/29/2023	2500	6.05	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111153	11/28/2023	11/29/2023	11/29/2023	5000	5.8	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111150	11/28/2023	11/29/2023	11/29/2023	5000	5.8	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111154	11/28/2023	11/29/2023	11/29/2023	1800	6.1	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111151	11/28/2023	11/29/2023	11/29/2023	5000	5.8	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111190	11/29/2023	11/29/2023	11/29/2023	5000	5.75	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111189	11/29/2023	11/29/2023	11/29/2023	5000	5.75	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111196	11/29/2023	11/29/2023	11/29/2023	4100	5.7	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111191	11/29/2023	11/29/2023	11/29/2023	5000	5.75	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111192	11/29/2023	11/29/2023	11/29/2023	5000	5.75	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111195	11/29/2023	11/29/2023	11/29/2023	1000	6.05	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111194	11/29/2023	11/29/2023	11/29/2023	1200	6.05	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111193	11/29/2023	11/29/2023	11/29/2023	5000	6	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111186	11/29/2023	11/30/2023	11/30/2023	2500	6.2	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111180	11/29/2023	11/30/2023	11/30/2023	5000	5.8	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111197	11/29/2023	11/30/2023	11/30/2023	300	6.3	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111176	11/29/2023	11/30/2023	11/30/2023	5000	5.9	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111185	11/29/2023	11/30/2023	11/30/2023	5000	6.2	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111188	11/29/2023	11/30/2023	11/30/2023	1400	6.2	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111179	11/29/2023	11/30/2023	11/30/2023	5000	5.8	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111177	11/29/2023	11/30/2023	11/30/2023	5000	5.9	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111187	11/29/2023	11/30/2023	11/30/2023	5000	6.2	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111181	11/29/2023	11/30/2023	11/30/2023	5000	5.8	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111183	11/29/2023	11/30/2023	11/30/2023	2500	6.1	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111178	11/29/2023	11/30/2023	11/30/2023	5000	5.9	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111184	11/29/2023	11/30/2023	11/30/2023	1100	6.2	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111182	11/29/2023	11/30/2023	11/30/2023	5000	5.9	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111234	11/30/2023	12/1/2023	12/1/2023	2500	5.3	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111223	11/30/2023	12/1/2023	12/1/2023	2500	4.96	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111240	11/30/2023	12/1/2023	12/1/2023	5000	5.275	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111225	11/30/2023	12/1/2023	12/1/2023	2500	4.975	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111229	11/30/2023	12/1/2023	12/1/2023	5000	5.3	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111227	11/30/2023	12/1/2023	12/1/2023	500	5.37	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111226	11/30/2023	12/1/2023	12/1/2023	5000	4.98	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111221	11/30/2023	12/1/2023	12/1/2023	5000	5	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111231	11/30/2023	12/1/2023	12/1/2023	1500	5.375	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111233	11/30/2023	12/1/2023	12/1/2023	2500	5.35	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111230	11/30/2023	12/1/2023	12/1/2023	5000	5.25	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111237	11/30/2023	12/1/2023	12/1/2023	5000	5.27	KERN RIVER - KERN RIVER DLV	FIXED	SELL

111232	11/30/2023	12/1/2023	12/1/2023	5000	5.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111235	11/30/2023	12/1/2023	12/1/2023	5000	5.28		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111238	11/30/2023	12/1/2023	12/1/2023	5000	5.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111228	11/30/2023	12/1/2023	12/1/2023	700	5.37		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111236	11/30/2023	12/1/2023	12/1/2023	5000	5.3		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111239	11/30/2023	12/1/2023	12/1/2023	400	5.38		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111224	11/30/2023	12/1/2023	12/1/2023	2500	4.975		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111222	11/30/2023	12/1/2023	12/1/2023	1500	5		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111252	12/1/2023	12/2/2023	12/4/2023	2500	4.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111255	12/1/2023	12/2/2023	12/4/2023	5000	4.45		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111248	12/1/2023	12/2/2023	12/4/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
111247	12/1/2023	12/2/2023	12/4/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
111246	12/1/2023	12/2/2023	12/4/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
111251	12/1/2023	12/2/2023	12/4/2023	5000	4.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111249	12/1/2023	12/2/2023	12/4/2023	15000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
111253	12/1/2023	12/2/2023	12/4/2023	5000	4.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111254	12/1/2023	12/2/2023	12/4/2023	5000	4.57		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111250	12/1/2023	12/2/2023	12/4/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
111267	12/4/2023	12/4/2023	12/4/2023	8900	3.85		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111268	12/4/2023	12/4/2023	12/4/2023	4500	4.6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111262	12/4/2023	12/5/2023	12/5/2023	5000	4.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111266	12/4/2023	12/5/2023	12/5/2023	1000	4.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111256	12/4/2023	12/5/2023	12/5/2023	5000	4.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111261	12/4/2023	12/5/2023	12/5/2023	5000	4.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111260	12/4/2023	12/5/2023	12/5/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
111263	12/4/2023	12/5/2023	12/5/2023	5000	4.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111265	12/4/2023	12/5/2023	12/5/2023	500	4.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111257	12/4/2023	12/5/2023	12/5/2023	2500	4.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111264	12/4/2023	12/5/2023	12/5/2023	5000	4.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111259	12/4/2023	12/5/2023	12/5/2023	5000	4.2		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111258	12/4/2023	12/5/2023	12/5/2023	2500	4.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111315	12/5/2023	12/5/2023	12/5/2023	600	4.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111300	12/5/2023	12/5/2023	12/5/2023	9000	4.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111313	12/5/2023	12/5/2023	12/5/2023	5000	4.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111302	12/5/2023	12/5/2023	12/5/2023	5000	4.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111314	12/5/2023	12/5/2023	12/5/2023	5000	4.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111301	12/5/2023	12/5/2023	12/5/2023	5000	4.2		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111303	12/5/2023	12/5/2023	12/5/2023	5000	4.15		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111288	12/5/2023	12/6/2023	12/6/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
111285	12/5/2023	12/6/2023	12/6/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
111298	12/5/2023	12/6/2023	12/6/2023	5000	4.375		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111281	12/5/2023	12/6/2023	12/6/2023	1500	4.05		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111293	12/5/2023	12/6/2023	12/6/2023	5000	4.55		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111297	12/5/2023	12/6/2023	12/6/2023	5000	4.375		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111284	12/5/2023	12/6/2023	12/6/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
111283	12/5/2023	12/6/2023	12/6/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
111287	12/5/2023	12/6/2023	12/6/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
111291	12/5/2023	12/6/2023	12/6/2023	2500	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
111280	12/5/2023	12/6/2023	12/6/2023	2500	4.19		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111292	12/5/2023	12/6/2023	12/6/2023	5000	4.5		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111294	12/5/2023	12/6/2023	12/6/2023	600	4.6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111296	12/5/2023	12/6/2023	12/6/2023	5000	4.375		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111286	12/5/2023	12/6/2023	12/6/2023	5000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
111299	12/5/2023	12/6/2023	12/6/2023	4400	4.6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111295	12/5/2023	12/6/2023	12/6/2023	500	4.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111282	12/5/2023	12/6/2023	12/6/2023	5000	4.1		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111279	12/5/2023	12/6/2023	12/6/2023	5000	4.15		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111290	12/5/2023	12/6/2023	12/6/2023	4600	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
111289	12/5/2023	12/6/2023	12/6/2023	2900	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
111333	12/6/2023	12/6/2023	12/6/2023	5000	3.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111332	12/6/2023	12/6/2023	12/6/2023	5000	3.4		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111330	12/6/2023	12/6/2023	12/6/2023	1500	3.6		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111331	12/6/2023	12/6/2023	12/6/2023	5000	3.58		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111322	12/6/2023	12/7/2023	12/7/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
111329	12/6/2023	12/7/2023	12/7/2023	2500	3.875		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111327	12/6/2023	12/7/2023	12/7/2023	7500	3.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111324	12/6/2023	12/7/2023	12/7/2023	2500	3.83		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111326	12/6/2023	12/7/2023	12/7/2023	2300	3.9		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111321	12/6/2023	12/7/2023	12/7/2023	1300	3.55		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111320	12/6/2023	12/7/2023	12/7/2023	4000	3.54		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111323	12/6/2023	12/7/2023	12/7/2023	10000	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
111328	12/6/2023	12/7/2023	12/7/2023	1500	3.88		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111325	12/6/2023	12/7/2023	12/7/2023	5000	4.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111353	12/7/2023	12/7/2023	12/7/2023	5000	3.1		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111344	12/7/2023	12/7/2023	12/7/2023	5000	3.25		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111343	12/7/2023	12/7/2023	12/7/2023	6000	2.7		KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111345	12/7/2023	12/7/2023	12/7/2023	6000	3.05		KERN RIVER - KERN RIVER DLV	FIXED	SELL
111335	12/7/2023	12/8/2023	12/8/2023	6500	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL
111336	12/7/2023	12/8/2023	12/8/2023	7100	0	GD KERN DELIVERED	KERN RIVER - KERN RIVER DLV	INDEX	SELL

111618	12/27/2023	12/27/2023	12/27/2023	5000	3.1	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111608	12/27/2023	12/28/2023	12/28/2023	5000	2.57	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111610	12/27/2023	12/28/2023	12/28/2023	5000	2.57	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111612	12/27/2023	12/28/2023	12/28/2023	5000	2.83	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111611	12/27/2023	12/28/2023	12/28/2023	5000	2.84	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111615	12/27/2023	12/28/2023	12/28/2023	5000	2.85	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111609	12/27/2023	12/28/2023	12/28/2023	5000	2.55	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111613	12/27/2023	12/28/2023	12/28/2023	4800	2.85	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111614	12/27/2023	12/28/2023	12/28/2023	200	2.85	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111641	12/28/2023	12/28/2023	12/28/2023	8000	2.65	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111637	12/28/2023	12/29/2023	12/31/2023	2500	2.6	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111635	12/28/2023	12/29/2023	12/31/2023	5000	2.59	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111634	12/28/2023	12/29/2023	12/31/2023	5000	2.45	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111636	12/28/2023	12/29/2023	12/31/2023	2500	2.65	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111640	12/28/2023	12/29/2023	12/31/2023	5000	2.635	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111632	12/28/2023	12/29/2023	12/31/2023	5000	2.5	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111639	12/28/2023	12/29/2023	12/31/2023	1500	2.7	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111638	12/28/2023	12/29/2023	12/31/2023	5000	2.595	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111633	12/28/2023	12/29/2023	12/31/2023	4000	2.45	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111631	12/28/2023	12/29/2023	12/31/2023	2500	2.435	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111667	12/29/2023	12/29/2023	12/29/2023	5000	2.6	KERN RIVER - KERN RIVER RECEIPTS	FIXED	BUY
111669	12/30/2023	12/30/2023	12/30/2023	5000	3.5	KERN RIVER - KERN RIVER DLV	FIXED	SELL
111668	12/30/2023	12/30/2023	12/30/2023	5000	3.25	KERN RIVER - KERN RIVER DLV	FIXED	SELL

EXHIBIT ATKINS-DIRECT-8



**Nevada Power Company and Sierra Pacific Power Company d/b/a NV Energy
Request for Proposals
NS 2021-17**

Nevada Power Company and Sierra Pacific Power Company ("Sierra Pacific") d/b/a NV Energy is seeking to purchase fixed price firm electric energy products for June-September 2022 and June-September 2023. The deadline for offer submission is **Wednesday, October 13, 2021 at 9:00am Pacific Prevailing Time**. NV Energy expects to transact within three (3) hours of its receipt of the offers. Participants are encouraged to hold their offers during that period.

Please submit your proposals on the enclosed offer submittal form to PowerRFP@nvenergy.com.

NV Energy seeks proposals for the following products, subject to the applicable contractual Terms and Conditions in place with each offering entity:

- Product 1:** June 2022 through September 2022: A purchase of up to 150 MW of fixed price firm electric energy with a term of one month or longer, Super Peak Hours (6x8, Mon-Sat HE 1300-HE 2000, NERC holidays Excluded).
- Product 2:** July 2022 through August 2022: A purchase of up to 150 MW of fixed price firm electric energy with a term of one month or longer, 7x16 Peak Hours (7x16, Mon-Sun HE 0700-HE 2200, NERC holidays Included).
- Product 3:** June 2023 through September 2023: A purchase of up to 250 MW of fixed price firm electric energy with a term of one month or longer, Super Peak Hours (6x8, Mon-Sat HE 1300-HE 2000, NERC holidays Excluded).
- Sources:** This RFP is for standard firm power; however non-CAISO sourced generation will be given special consideration. Non-conforming products will be considered for non-CAISO sources.
- Delivery Point:** 2022: The acceptable delivery points are Palo Verde 500kV, Eldorado 230kV, McCullough 230 kV, McCullough 500 kV, Mead 230 kV, Navajo 500 kV, or Red Butte.
2023: The acceptable delivery points are Eldorado 230kV, McCullough 230 kV, McCullough 500 kV, Mead 230 kV, Navajo 500 kV, or Red Butte.
- Minimum Offer:** All offers should be in blocks of 25 MW with a minimum of 25 MW
- Time Zone Designation:** All references made herein to specific times refer to Pacific Prevailing Time

For questions regarding this RFP, please contact Michael Holland at michael.holland@nvenergy.com.

If selected, the credit terms of your existing Master Trading Agreement with NV Energy will apply. For questions regarding credit, payment provisions, or related matters, please contact Jenny Venter at 702-402-5109 or jenny.venter@nvenergy.com.

For questions regarding contracts or related matters, please contact Cynthia Alejandre at Cynthia.Alejandre@nvenergy.com (702) 402-6085, or Timothy Troy at timothy.troy@nvenergy.com.

NV Energy will award winning proposals via a recorded telephone line to successful counterparty and will execute written confirmations in accordance with the applicable Master Trading Agreement. Confirmations should be sent to npc_power_confirms@nvenergy.com.

NV Energy reserves the right to revise, suspend or terminate this RFP or any portion thereof, to accept any offer and to reject any or all offers at its sole discretion, without notice and without assigning any reasons therefore. **NV Energy is under no obligation to accept any proposal from any respondent to this RFP.**

You are solely responsible for all costs incurred in developing your proposal, and if applicable, leading to an actual executed agreement. Any materials provided to NV Energy will become the property of NV Energy and will not be returned to you.

If you mark any portion of your proposal as confidential, NV Energy will exercise reasonable efforts to protect such information from disclosure. However, you are advised that such information may be made available under applicable laws and regulations or to regulatory commissions, their staffs or other governmental agencies having an interest in this matter. NV Energy also reserves the right to disclose such information to its agents and contractors for evaluation purposes, but they shall be required to observe the same degree of care with respect to disclosure as NV Energy. Under no circumstances shall NV Energy, its affiliates, subsidiaries or parent companies, their directors, officers, employees, agents or contractors be liable to you or any party for any damages resulting from disclosure of your claimed confidential information or for any act or omission resulting from or arising under this RFP.

By submitting your proposal, you waive any right to challenge any valuation of any proposal of yours or any determination of NV Energy to select or reject any proposal of yours or take any action contemplated by this RFP, including any right you may have to intervene in any regulatory proceeding for the purpose of protesting the selection or rejection of any proposal, any other decision of NV Energy contemplated by this RFP or any resulting agreement related to a selected proposal. By submitting your proposal, you irrevocably agree and acknowledge that you are making your proposal subject to and in agreement with the terms of this RFP and agree that NV Energy shall be entitled to specific performance of its rights hereunder and such other injunctive or equitable relief as may be appropriate.

Thank you for your continued interest and participation.

Attachment: Offer Submittal Form



**Nevada Power Company and Sierra Pacific Power Company d/b/a NV Energy
Request for Proposals
NS 2022-2**

Nevada Power Company and Sierra Pacific Power Company ("Sierra Pacific") d/b/a NV Energy is seeking to purchase fixed price firm electric energy products for June-September 2022 and June-September 2023. The deadline for offer submission is **Wednesday, January 26, 2022, at 9:00am Pacific Prevailing Time**. NV Energy expects to transact within three (3) hours of its receipt of the offers. Participants are encouraged to hold their offers during that period.

Please submit your proposals on the enclosed offer submittal form to PowerRFP@nvenergy.com.

NV Energy seeks proposals for the following products, subject to the applicable contractual Terms and Conditions in place with each offering entity:

Product 1: June 2022 through September 2022: A purchase of up to 500 MW of fixed price firm electric energy with a term of one month or longer, 7x16 Peak Hours (7x16, Mon-Sun HE 0700-HE 2200, NERC holidays Included).

Product 2: June 2023 through September 2023: A purchase of up to 500 MW of fixed price firm electric energy with a term of one month or longer, 7x16 Peak Hours (7x16, Mon-Sun HE 0700-HE 2200, NERC holidays Included).

Sources: This RFP is for standard firm power; however non-CAISO sourced generation will be given special consideration. Non-conforming products will be considered for non-CAISO sources.

Delivery Point: 2022: The acceptable delivery points are Palo Verde 500kV, Eldorado 230kV, McCullough 230 kV, McCullough 500 kV, Mead 230 kV, Mead 500kV, Navajo 500 kV, or Red Butte.

2023: The acceptable delivery points are Eldorado 230kV, McCullough 230 kV, McCullough 500 kV, Mead 230 kV, Mead 500kV, Navajo 500 kV, or Red Butte.

Minimum Offer: All offers should be in blocks of 25 MW with a minimum of 25 MW

Time Zone

Designation: All references made herein to specific times refer to Pacific Prevailing Time

For questions regarding this RFP, please contact Michael Holland at michael.holland@nvenergy.com.

If selected, the credit terms of your existing Master Trading Agreement with NV Energy will apply. For questions regarding credit, payment provisions, or related matters, please contact Jenny Venter at 702-402-5109 or jenny.venter@nvenergy.com.

For questions regarding contracts or related matters, please contact Cynthia Alejandre at Cynthia.Alejandre@nvenergy.com (702) 402-6085, or Timothy Troy at timothy.troy@nvenergy.com.

NV Energy will award winning proposals via a recorded telephone line to successful counterparty and will execute written confirmations in accordance with the applicable Master Trading Agreement. Confirmations should be sent to npc_power_confirms@nvenergy.com.

NV Energy reserves the right to revise, suspend or terminate this RFP or any portion thereof, to accept any offer and to reject any or all offers at its sole discretion, without notice and without assigning any reasons therefore. **NV Energy is under no obligation to accept any proposal from any respondent to this RFP.**

You are solely responsible for all costs incurred in developing your proposal, and if applicable, leading to an actual executed agreement. Any materials provided to NV Energy will become the property of NV Energy and will not be returned to you.

If you mark any portion of your proposal as confidential, NV Energy will exercise reasonable efforts to protect such information from disclosure. However, you are advised that such information may be made available under applicable laws and regulations or to regulatory commissions, their staffs or other governmental agencies having an interest in this matter. NV Energy also reserves the right to disclose such information to its agents and contractors for evaluation purposes, but they shall be required to observe the same degree of care with respect to disclosure as NV Energy. Under no circumstances shall NV Energy, its affiliates, subsidiaries or parent companies, their directors, officers, employees, agents or contractors be liable to you or any party for any damages resulting from disclosure of your claimed confidential information or for any act or omission resulting from or arising under this RFP.

By submitting your proposal, you waive any right to challenge any valuation of any proposal of yours or any determination of NV Energy to select or reject any proposal of yours or take any action contemplated by this RFP, including any right you may have to intervene in any regulatory proceeding for the purpose of protesting the selection or rejection of any proposal, any other decision of NV Energy contemplated by this RFP or any resulting agreement related to a selected proposal. By submitting your proposal, you irrevocably agree and acknowledge that you are making your proposal subject to and in agreement with the terms of this RFP and agree that NV Energy shall be entitled to specific performance of its rights hereunder and such other injunctive or equitable relief as may be appropriate.

Thank you for your continued interest and participation.

Attachment: Offer Submittal Form



**Nevada Power Company and Sierra Pacific Power Company d/b/a NV Energy
Request for Proposals ("RFP")
NS 2022-5**

Nevada Power Company and Sierra Pacific Power Company d/b/a NV Energy ("NV Energy") is seeking to purchase firm electric energy products for June-August 2023 and June-August 2024. The deadline for offer submission is **Thursday, November 3, 2022, at 9:00am Pacific Prevailing Time**. NV Energy expects to transact within three (3) hours of its receipt of the offers. Participants are encouraged to hold their offers during that period.

Please submit your proposals on the enclosed offer submittal form to PowerRFP@nvenergy.com.

NV Energy seeks proposals for the following products, subject to the applicable contractual Terms and Conditions in place with each offering entity:

- Product 1:** A purchase of up to 200 MW of fixed price or Index Price firm electric energy with a term of one month or longer, of energy sourced outside of the California ISO ("CAISO") Balancing Authority Area ("BAA") and not wheeled through the CAISO BAA.
- Product 2:** A purchase of up to 200 MW of fixed price or Index Price firm electric energy with a term of one month or longer, of energy sourced outside of the CAISO BAA and any transmission through the CAISO BAA is on a "high-priority wheel."
- Product 3:** A purchase of up to 200 MW of fixed price or Index Price firm electric energy with a term of one month or longer, of not source specific generation or transmission specific.
- Index Price:** CAISO DAM Mead:
The average of all hourly "published prices" that are representative of a Shape's time horizon, where "published prices" are defined as the CAISO's Day-Ahead Market Locational Marginal Price at the "MEADS_2_N101" node as published in the CAISO's Open Access Same-time Information System ("OASIS") at the time of settlement.
- Shape:** The following Shapes will be considered in this RFP:
Hour-Ending ("HE") 07-HE 22, Monday-Sunday, NERC holidays included (7x16)
HE 01-HE 06, HE 15-HE 24, Monday-Sunday, NERC holidays included (7x16)
HE 13-HE 20, Monday-Sunday, NERC holidays included (7x8)
HE 15-HE 22, Monday-Sunday, NERC holidays included (7x8)
HE 18-HE 21, Monday-Sunday, NERC holidays included (7x4)
- Sources:** This RFP is for standard firm power; however non-CAISO sourced generation will be given special consideration. Non-conforming products will be considered for non-CAISO sources.
- Delivery Point:** 2023: The acceptable delivery points are Palo Verde 500kV, Eldorado 230kV, McCullough 230 kV, McCullough 500 kV, Mead 230 kV, Mead 500kV, Navajo 500 kV, or Red Butte.

2024: The acceptable delivery points are Eldorado 230kV, McCullough 230 kV, McCullough 500 kV, Mead 230 kV, Mead 500kV, Navajo 500 kV, or Red Butte.

Minimum Offer: All offers should be in blocks of 25 MW with a minimum of 25 MW

Time Zone

Designation: All references made herein to specific times refer to Pacific Prevailing Time

For questions regarding this RFP, please contact PowerRFP@nvenergy.com.

If selected, the credit terms of your existing Master Trading Agreement with NV Energy will apply. For questions regarding credit, payment provisions, or related matters, please contact Jenny Venter at 702-402-5109 or Jenny.Venter@nvenergy.com.

For questions regarding contracts or related matters, please contact Edgar Patino at Edgar.Patino@nvenergy.com (702) 402-5747, or Yeimi Montes-Gonzalez at Yeimi.Montes-Gonzalez@nvenergy.com.

NV Energy will award winning proposals via a recorded telephone line to successful counterparty and will execute written confirmations in accordance with the applicable Master Trading Agreement. Confirmations should be sent to npc_power_confirms@nvenergy.com.

NV Energy reserves the right to revise, suspend or terminate this RFP or any portion thereof, to accept any offer and to reject any or all offers at its sole discretion, without notice and without assigning any reasons therefore. **NV Energy is under no obligation to accept any proposal from any respondent to this RFP.**

You are solely responsible for all costs incurred in developing your proposal, and if applicable, leading to an actual executed agreement. Any materials provided to NV Energy will become the property of NV Energy and will not be returned to you.

If you mark any portion of your proposal as confidential, NV Energy will exercise reasonable efforts to protect such information from disclosure. However, you are advised that such information may be made available under applicable laws and regulations or to regulatory commissions, their staffs or other governmental agencies having an interest in this matter. NV Energy also reserves the right to disclose such information to its agents and contractors for evaluation purposes, but they shall be required to observe the same degree of care with respect to disclosure as NV Energy. Under no circumstances shall NV Energy, its affiliates, subsidiaries or parent companies, their directors, officers, employees, agents or contractors be liable to you or any party for any damages resulting from disclosure of your claimed confidential information or for any act or omission resulting from or arising under this RFP.

By submitting your proposal, you waive any right to challenge any valuation of any proposal of yours or any determination of NV Energy to select or reject any proposal of yours or take any action contemplated by this RFP, including any right you may have to intervene in any regulatory proceeding for the purpose of protesting the selection or rejection of any proposal, any other decision of NV Energy contemplated by this RFP or any resulting agreement related to a selected proposal. By submitting your proposal, you irrevocably agree and acknowledge that you are making your proposal subject to and in agreement with the terms of this RFP and agree that NV Energy shall be entitled to specific performance of its rights hereunder and such other injunctive or equitable relief as may be appropriate.

Thank you for your continued interest and participation.

Attachment: Offer Submittal Form



**Nevada Power Company and Sierra Pacific Power Company d/b/a NV Energy
Request for Proposals ("RFP")
NS 2023-1**

Nevada Power Company and Sierra Pacific Power Company d/b/a NV Energy ("NV Energy") is seeking to purchase firm electric energy products for June-September 2023 and June-September 2024. The deadline for offer submission is **Thursday, February 9, 2023, at 9:00am Pacific Prevailing Time**. NV Energy expects to transact within three (3) hours of its receipt of the offers. Participants are encouraged to hold their offers during that period.

Please submit your proposals on the enclosed offer submittal form to PowerRFP@nvenergy.com.

NV Energy seeks proposals for the following products, subject to the applicable contractual Terms and Conditions in place with each offering entity:

- Product 1:** A purchase of up to 200 MW of fixed price or Index Price firm electric energy with a term of one month or longer, of energy sourced outside of the California ISO ("CAISO") Balancing Authority Area ("BAA") and not wheeled through the CAISO BAA.
- Product 2:** A purchase of up to 200 MW of fixed price or Index Price firm electric energy with a term of one month or longer, of energy sourced outside of the CAISO BAA and any transmission through the CAISO BAA is on a "high-priority wheel."
- Product 3:** A purchase of up to 200 MW of fixed price or Index Price firm electric energy with a term of one month or longer, of not source specific generation or transmission specific.
- Index Price:** CAISO DAM Mead:
The average of all hourly "published prices" that are representative of a Shape's time horizon, where "published prices" are defined as the CAISO's Day-Ahead Market Locational Marginal Price at the "MEADS_2_N101" node as published in the CAISO's Open Access Same-time Information System ("OASIS") at the time of settlement.
- Shape:** The following Shapes will be considered in this RFP:
Hour-Ending ("HE") 07-HE 22, Monday-Sunday, NERC holidays included (7x16)
HE 01-HE 06, HE 15-HE 24, Monday-Sunday, NERC holidays included (7x16)
HE 13-HE 20, Monday-Sunday, NERC holidays included (7x8)
HE 15-HE 22, Monday-Sunday, NERC holidays included (7x8)
HE 18-HE 21, Monday-Sunday, NERC holidays included (7x4)
- Sources:** This RFP is for standard firm power; however non-CAISO sourced generation will be given special consideration. Non-conforming products will be considered for non-CAISO sources.
- Delivery Point:** 2023: The acceptable delivery points are Palo Verde 500kV, Eldorado 230kV, McCullough 230kV, McCullough 500kV, Mead 230kV, Mead 500kV, Navajo 500kV, or Red Butte.

2024: The acceptable delivery points are Eldorado 230kV, McCullough 230kV, McCullough 500kV, Mead 230kV, Mead 500kV, Navajo 500kV, or Red Butte.

Minimum Offer: All offers should be in blocks of 25 MW with a minimum of 25 MW

Time Zone

Designation: All references made herein to specific times refer to Pacific Prevailing Time

For questions regarding this RFP, please contact PowerRFP@nvenergy.com.

If selected, the credit terms of your existing Master Trading Agreement with NV Energy will apply. For questions regarding credit, payment provisions, or related matters, please contact Jenny Venter at 702-235-6042 or Jenny.Venter@nvenergy.com.

For questions regarding contracts or related matters, please contact Yeimi Montes-Gonzalez at Yeimi.Montes-Gonzalez@nvenergy.com, (702) 402-6088, or Kalli Mlekush at Kalli.Mlekush@nvenergy.com.

NV Energy will award winning proposals via a recorded telephone line or via ICE Chat to successful counterparty and will execute written confirmations in accordance with the applicable Master Trading Agreement. Confirmations should be sent to npc_power_confirms@nvenergy.com.

NV Energy reserves the right to revise, suspend or terminate this RFP or any portion thereof, to accept any offer and to reject any or all offers at its sole discretion, without notice and without assigning any reasons therefore. **NV Energy is under no obligation to accept any proposal from any respondent to this RFP.**

You are solely responsible for all costs incurred in developing your proposal, and if applicable, leading to an actual executed agreement. Any materials provided to NV Energy will become the property of NV Energy and will not be returned to you.

If you mark any portion of your proposal as confidential, NV Energy will exercise reasonable efforts to protect such information from disclosure. However, you are advised that such information may be made available under applicable laws and regulations or to regulatory commissions, their staffs or other governmental agencies having an interest in this matter. NV Energy also reserves the right to disclose such information to its agents and contractors for evaluation purposes, but they shall be required to observe the same degree of care with respect to disclosure as NV Energy. Under no circumstances shall NV Energy, its affiliates, subsidiaries or parent companies, their directors, officers, employees, agents or contractors be liable to you or any party for any damages resulting from disclosure of your claimed confidential information or for any act or omission resulting from or arising under this RFP.

By submitting your proposal, you waive any right to challenge any valuation of any proposal of yours or any determination of NV Energy to select or reject any proposal of yours or take any action contemplated by this RFP, including any right you may have to intervene in any regulatory proceeding for the purpose of protesting the selection or rejection of any proposal, any other decision of NV Energy contemplated by this RFP or any resulting agreement related to a selected proposal. By submitting your proposal, you irrevocably agree and acknowledge that you are making your proposal subject to and in agreement with the terms of this RFP and agree that NV Energy shall be entitled to specific performance of its rights hereunder and such other injunctive or equitable relief as may be appropriate.

Thank you for your continued interest and participation.

Attachment: Offer Submittal Form



**Nevada Power Company and Sierra Pacific Power Company d/b/a NV Energy
Request for Proposals ("RFP")
NS 2023-2**

Nevada Power Company and Sierra Pacific Power Company d/b/a NV Energy ("NV Energy") is seeking to purchase firm electric energy products for June-September 2023. The deadline for offer submission is **Thursday, April 13, 2023, at 10:00 am Pacific Prevailing Time**. NV Energy expects to transact within three (3) hours of its receipt of the offers. Participants are encouraged to hold their offers during that period.

Please submit your proposals on the enclosed offer submittal form to PowerRFP@nvenergy.com.

NV Energy seeks proposals for the following products, subject to the applicable contractual Terms and Conditions in place with each offering entity:

- Product 1:** A purchase of up to 200 MW of fixed price or Index Price firm electric energy with a term of one month or longer, of energy sourced outside of the California ISO ("CAISO") Balancing Authority Area ("BAA") and not wheeled through the CAISO BAA.
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- Shape:** The following Shapes will be considered in this RFP:
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Minimum Offer: All offers should be in blocks of 25 MW with a minimum of 25 MW

Time Zone

Designation: All references made herein to specific times refer to Pacific Prevailing Time

For questions regarding this RFP, please contact PowerRFP@nvenergy.com.

If selected, the credit terms of your existing Master Trading Agreement with NV Energy will apply. For questions regarding credit, payment provisions, or related matters, please contact Jenny Venter at 702-235-6042 or Jenny.Venter@nvenergy.com.

For questions regarding contracts or related matters, please email contractmanagement@nvenergy.com.

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By submitting your proposal, you waive any right to challenge any valuation of any proposal of yours or any determination of NV Energy to select or reject any proposal of yours or take any action contemplated by this RFP, including any right you may have to intervene in any regulatory proceeding for the purpose of protesting the selection or rejection of any proposal, any other decision of NV Energy contemplated by this RFP or any resulting agreement related to a selected proposal. By submitting your proposal, you irrevocably agree and acknowledge that you are making your proposal subject to and in agreement with the terms of this RFP and agree that NV Energy shall be entitled to specific performance of its rights hereunder and such other injunctive or equitable relief as may be appropriate.

Thank you for your continued interest and participation.

Attachment: Offer Submittal Form

AFFIRMATION

Pursuant to the requirements of NRS 53.045 and NAC 703.710, RYAN ATKINS, states that he is the person identified in the foregoing prepared testimony and/or exhibits; that such testimony and/or exhibits were prepared by or under the direction of said person; that the answers and/or information appearing therein are true to the best of his knowledge and belief; and that if asked the questions appearing therein, his answers thereto would, under oath, be the same.

I declare under penalty of perjury that the foregoing is true and correct.

Date: March 1, 2024

Ryan Atkins

RYAN ATKINS

CATALIN ADRIAN CACUCI

BEFORE THE PUBLIC UTILITIES COMMISSION OF NEVADA

Nevada Power Company d/b/a NV Energy
Docket No. 24-03____
2024 Deferred Energy Proceeding
Prepared Direct Testimony of

Catalin Adrian Cacuci

**1. Q. PLEASE STATE YOUR NAME, OCCUPATION, BUSINESS ADDRESS
AND PARTY FOR WHOM YOU ARE FILING TESTIMONY.**

A. My name is Catalin Adrian Cacuci. My current position is Treasurer for Nevada Power Company d/b/a NV Energy (“Nevada Power” or the “Company”) and Sierra Pacific Power Company d/b/a NV Energy (“Sierra” and, together with Nevada Power, the “Companies”). My business address is 6226 West Sahara Avenue in Las Vegas, Nevada. I am filing testimony on behalf of Nevada Power.

**2. Q. PLEASE DESCRIBE YOUR BACKGROUND AND EXPERIENCE IN THE
UTILITY INDUSTRY.**

A. I joined the Companies in 2022 as Assistant Treasurer and became Treasurer in 2023. Prior to joining the Companies, I held the position of Treasurer at The Cosmopolitan of Las Vegas since the property opened in 2010. In addition to the Treasurer role, I have held the roles of Vice President of Finance, Executive Director of Finance, Senior Director of Financial Planning and Analysis and Director of Operational Analysis. Prior to The Cosmopolitan I worked in Treasury and Financial Planning and Analysis at MGM Resorts International and Caesars’ Entertainment corporate and various properties, respectively. I have undergraduate and graduate degrees in business with an emphasis in finance. Additional details

regarding my professional background and experience are in my Statement of Qualifications which is provided as **Exhibit Cacuci-Direct-1**.

3. Q. PLEASE DESCRIBE YOUR RESPONSIBILITIES AS TREASURER.

A. As Treasurer, my responsibilities include oversight of the treasury and risk control-related functions. From a Risk Controls perspective, I am responsible for identifying and elevating to executive management any departures from approved policies and procedures. I am also responsible for several Sarbanes-Oxley controls relating to treasury and risk control (including the setting of counterparty credit limitations, monitoring of fuel and purchase power transactions and verification of recorded trade data that is used for settlements). I further assist the Chief Financial Officer in directing the Companies' financial policies, including the financing activities and capital structure strategies for the Companies.

4. Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THE PUBLIC UTILITIES COMMISSION OF NEVADA ("COMMISSION")?

A. Yes. I have previously prepared testimony in proceedings before the Commission in Docket No. 23-06007, Nevada Power's last general rate case ("GRC"), and in previous Deferred Energy Accounting Adjustment filings, Docket Nos. 23-03005, 23-03006, 23-03007, and 23-09003.

5. Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?

A. I summarize the Companies' risk control strategies and describe the risk control organization and functions. In addition, I provide testimony on the Companies' policies for managing the various risks experienced by the Companies, which support the prudence and reasonableness of recorded fuel and purchase power

costs. Finally, I identify relevant compliance items and report the status of the Companies' efforts to satisfy those directives.

6. Q. ARE YOU SPONSORING ANY EXHIBITS OR APPENDICES?

A. Yes. I am sponsoring the following Exhibits and Appendices:

Exhibit Cacuci-Direct-1	Statement of Qualifications
Technical Appendix-2A	Risk Management and Control Policy
Technical Appendix-2B	Energy Risk Management and Control Policy
Technical Appendix-2C	Credit Risk Management and Control Policy
Technical Appendix-6	Risk Committee Meeting Minutes and Presentations

I. SUMMARY OF RISK POLICIES

7. Q. PLEASE SUMMARIZE THE COMPANY'S ENERGY RISK CONTROL STRATEGY.

A. The energy risk control strategy begins with identifying risks. Once identified, risks are assessed using qualitative and quantitative measures. The costs and risks associated with procurement strategies are then evaluated. The Company seeks to follow a risk strategy that minimizes risk for the customers and the Company, and where possible shifts that risk to other counterparties when such risk can be shifted at a reasonable cost.

1 8. Q. PLEASE SUMMARIZE THE COMPANY'S RISK MANAGEMENT
2 ACTIVITIES AND THE POLICIES THAT GOVERN THE RISK
3 CONTROL FUNCTION.

4 A. The role of the Risk Control organization in managing the Company's energy
5 supply risk is described generally in my testimony. Policies are an important part
6 of the risk control function and the Company has three risk policies that are relevant
7 to this deferred energy proceeding.

- 8 • The Risk Management and Control Policy (Appendix-2A) is the Company's
9 umbrella document that defines corporate risks, describes the management of
10 that risk, and creates a governance structure to oversee policy implementation
11 and adherence.
- 12 • The Energy Risk Management and Control Policy (Appendix-2B) relates
13 specifically to physical and financial transactions related to energy
14 procurement, sales, and hedging. This policy establishes governance structures,
15 authorized signatories, risk control thresholds, and compliance, among other
16 items.
- 17 • The Credit Risk Management and Control Policy (Appendix-2C) outlines the
18 approach for managing and controlling the credit risk inherent in normal
19 business operations, and applies to all physical and financial transactions
20 entered into by the Company.

21
22 9. Q. WERE ANY OF THESE POLICIES UPDATED AND APPROVED
23 BETWEEN JANUARY 1, 2023, AND DECEMBER 31, 2023 (THE
24 "DEFERRAL PERIOD")?

25 A. The Risk Policies are reviewed periodically on an informal basis and annually on a
26 formal basis. The Risk Policies were updated for personnel changes, and updates
27

to responsibilities and were approved by the Risk Committee on November 15, 2023. A summary of noteworthy changes are as follows:

- The Risk Management and Control Policy, Appendix-2A was updated to revise committee membership and replace Senior Vice President, Chief Financial Officer & Treasurer with Vice President, Chief Financial Officer, remove Assistant Treasurer, and remove Appendix B (employee acknowledgement) since the acknowledgement process has been automated and is currently part of the Companies' Learning Management System ("LMS").
- Energy Risk Management and Control Policy, Appendix-2B, was similarly updated to replace Senior Vice President, Chief Financial Officer & Treasurer with Vice President, Chief Financial Officer, remove Assistant Treasurer, and remove Appendix G (employee acknowledgement) since the acknowledgement process has been automated and is currently part of the LMS. Earlier in 2023, the Company also updated titles to reflect a reorganization in the Resource Optimization department.
- Credit Risk Management and Control Policy, Appendix-2C, was also updated to replace Senior Vice President, Chief Financial Officer & Treasurer with Vice President, Chief Financial Officer, remove Assistant Treasurer, and remove Appendix I (employee acknowledgement) since the acknowledgement process has been automated and is currently part of the LMS.

More information can be found in the November Risk Committee meeting presentation titled "Risk Committee - Risk Policies Update" dated November 15, 2023, as filed with the Risk Committee minutes in Technical Appendix 6 of this filing.

10. Q. PLEASE SUMMARIZE THE MAJOR POINTS OF THE RISK
MANAGEMENT AND CONTROL POLICY.

A. The Risk Management and Control Policy (Appendix-2A) establishes standards for monitoring and controlling enterprise risks. The primary objectives of this effort include:

- The identification of risks;
- The qualitative or quantitative assessment of risks;
- The evaluation of the costs and merits of risk mitigation options;
- The identification of risks to be retained by the Company; and
- The identification of risks to be shifted to other entities and the means by which to do so.

11. Q. PLEASE SUMMARIZE THE MAJOR POINTS OF THE ENERGY RISK
MANAGEMENT AND CONTROL POLICY.

A. The Energy Risk Management and Control Policy (Appendix-2B) applies to all physical and financial transactions related to the Company's energy procurement, energy sales, and energy hedging in accordance with the applicable provisions of the Energy Supply Plans ("ESP") and ESP updates, or Integrated Resource Plans ("IRPs") approved by the Commission. The primary purposes of the policy are to:

- Provide preset notification thresholds for transactions entered into pursuant to this policy;
- Establish sound principles for entering into and managing of such transactions; and
- Define the responsibilities for managing and monitoring those risks.

12. Q. PLEASE SUMMARIZE THE MAJOR POINTS OF THE CREDIT RISK MANAGEMENT AND CONTROL POLICY.

A. The Credit Risk Management and Control Policy (Appendix-2C) outlines the approach for managing and controlling the credit risk inherent in the normal business operations of NV Energy, Inc., ("NV Energy") and its operating subsidiaries. The Credit Risk Management and Control Policy applies to all physical and financial transactions entered into by NV Energy and its subsidiaries. Three main areas of credit risk are addressed in this policy: energy supply, large customer accounts, and supply chain management (non-fuel). The primary purposes of the policy are to:

- Provide guidelines for employees authorized to legally bind NV Energy and its subsidiaries to procurement and sales and service delivery transactions;
- Establish sound guidelines for the management and control of risks attributable to those transactions; and
- Define the responsibilities for managing and monitoring those risks.

II. ORGANIZATIONAL STRUCTURE OF RISK MANAGEMENT AND CONTROL

13. Q. PLEASE GENERALLY DESCRIBE THE COMPANY'S RISK MANAGEMENT AND CONTROL STRUCTURE.

A. While the Risk Policies create the framework for managing risk, four functional areas that are important components of risk management and control activities include:

- 1) **Risk Committee.** The Risk Committee is responsible for the overall policy direction and administration of the risk control efforts, including overall policy compliance. Each department is responsible for administration of the

1 Company's risk management and risk mitigation programs and will be held
2 accountable to the Risk Committee. The Risk Committee serves as the
3 mechanism by which the executive team is kept apprised of inherent risks.
4 Risk Committee members are listed in the Risk Management and Control
5 Policy (See Appendix-2A, Section V, subsection B).

6 2) **Risk Control.** The Risk Control function is responsible for monitoring
7 compliance with established policies and associated procedures, including
8 the approved ESP and ESP updates. Risk Control also is responsible for
9 evaluating and reporting the energy supply portfolio risk control metrics
10 discussed later in this testimony.

11 3) **Credit Risk Management.** Credit risk is defined as the possibility that a
12 counterparty will be unable or unwilling to fulfill its financial or physical
13 obligations because of the counterparty's financial condition. Credit Risk
14 Management generally is responsible for credit risk management activities
15 as they apply to energy supply.

16 4) **Energy Supply.** Energy Supply, under direction of the Vice President of
17 Renewables, Vice President of Generation and Vice President of Resource
18 Optimization, are responsible for electric generation and the delivery and
19 optimization of fuel and wholesale power transactions.
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1 A. **THE RISK COMMITTEE**

2
3 14. Q. **WHAT ARE THE RESPONSIBILITIES OF THE RISK COMMITTEE?**

4 A. The Risk Committee has several key responsibilities including:

- 5 • Monitoring the current and expected future economic conditions and assessing
6 their effect on the general business environment on the Company, and
7 disseminating this information to executive leadership, as appropriate;
- 8 • Modifying existing risk control policies and initiating the preparation of new
9 risk control policies, as appropriate;
- 10 • Ensuring the ongoing availability of procedures required to implement those
11 policies or any changes to them;
- 12 • Resolving any disputes regarding the appropriate application of those policies
13 and procedures;
- 14 • Ensuring the availability of the systems required to monitor, record and report
15 on the risks inherent in the Company's operations;
- 16 • Reviewing and approving the Company's IRPs, ESPs, and ESP updates prior
17 to approval by the Chief Executive Officer ("CEO");
- 18 • Assuring integration of energy procurement and sale risk, credit risk, cash flow
19 risk and customer risk;
- 20 • Reviewing and approving all material transactions requiring exceptions to the
21 approved plans for acquiring and selling fuel and wholesale power prior to
22 implementation;
- 23 • Reviewing all energy procurement and sale transactions requiring the approval
24 of the CEO; and
- 25 • Assessing the appropriateness of the Company's risk control activities and
26 modifying the Energy Risk Management and Control Policy, whenever
27

modifications are required to ensure the ongoing viability of the Company's risk management and control programs and the continued fulfillment of the Company's obligations.

15. Q. HOW OFTEN DOES THE RISK COMMITTEE MEET?

A. The Risk Committee is required to meet at least quarterly under current Risk Policies. In practice, the Risk Committee will typically meet once a month. In 2023, the Risk Committee met at least once each month.

16. Q. ARE MINUTES PREPARED FOR THE RISK COMMITTEE MEETINGS?

A. Yes. All minutes, including presentation materials, are maintained and kept for at least four years as a record of the actions of the Risk Committee. The Risk Committee minutes are provided as part of Technical Appendix-6 of this filing.

17. Q. WHAT TYPES OF FORMAL METRICS HAVE BEEN ESTABLISHED BY THE RISK COMMITTEE FOR EVALUATING THE COMPANY'S ENERGY SUPPLY PORTFOLIOS?

A. Three types of risk control metrics are utilized: (1) transaction approval metrics, (2) portfolio risk metrics and (3) credit risk metrics.

18. Q. PLEASE DESCRIBE THE TRANSACTION APPROVAL METRICS THAT ARE USED TO ASSIST THE RISK COMMITTEE IN EVALUATING THE COMPANY'S PORTFOLIOS.

A. The transaction approval metrics control the values of contracts that authorized personnel are allowed to execute. Total dollar value of the contract is tracked and reported.

19. Q. PLEASE DESCRIBE THE PORTFOLIO RISK METRICS THAT ARE
USED TO ASSIST THE RISK COMMITTEE IN EVALUATING THE
COMPANY'S PORTFOLIOS.

A. The Energy Risk Management and Control Policy defines the use of the following
two metrics:

1) **Test Period Mark-to-Base.** Monthly differences between fuel and
purchased power costs and base tariff energy rate revenues are deferred.
Mark-to-base provides an estimate of such deferrals for the current deferral
period. Mark-to-base is determined using actual expenditures to date,
committed expenditures for the balance of the deferral period, and expected
expenditures for uncommitted purchases. The policy triggers notifications
if significant changes in mark-to-base are experienced on either a
cumulative basis or on a month-to-month basis.

2) **Value-at-Risk.** Value-at-risk serves as a gauge of market exposure,
summarizing the total market risk on the Company's fuel and purchased
power costs. As measured by the Company, value-at-risk estimates the
increase in fuel and wholesale power costs over the forthcoming rolling 12
months, at a 95 percent confidence interval. Value-at-risk is also a useful
tool in determining liquidity requirements and is referred to as cash flow at
risk when used in this context. The policy triggers notifications if value-at-
risk exceeds certain levels. The Company calculates value-at-risk with the
portfolio period limited to the next 12 months and using a 95 percent
confidence interval. A 95 percent confidence interval means that there is a
95 percent probability that actual fuel and purchased power expenses will
not exceed the value-at-risk value. However, there is still a 5 percent
probability that the increased costs will be higher than the value-at-risk

projection. The idea is to measure, within a 95 percent degree of probability, the potential increase in cost to customers.

Inputs used to calculate value-at-risk include the forward price curves for power and natural gas, as well as the associated forward monthly volatilities of each product. Correlations between the various power and gas trading hubs are calculated based on historical prices at each trading hub. An algorithm then runs a user-specified number of iterations to create a distribution of possible cost increase outcomes. From this distribution, standard statistical methods are applied to give the user the cost increase at various confidence intervals.

20. Q. PLEASE DESCRIBE THE CREDIT RISK METRICS THAT ARE USED TO ASSIST THE RISK COMMITTEE IN EVALUATING THE COMPANY'S PORTFOLIOS.

A. Credit limits help to ensure that the Company is not overly exposed to any counterparties with unacceptable credit profiles. Four credit limits are monitored monthly:

- 1) **Portfolio Below Investment Grade:** The percentage of actual mark-to-market exposure below investment grade for the portfolio as of prior month's end;
- 2) **Portfolio Weighted Average Credit Rating:** The weighted average of actual mark-to-market exposure for the portfolio as of prior month's end;
- 3) **Counterparty Credit Limit On-going Transactions:** The actual mark-to-market exposure of counterparties at prior month's end; and

- 4) **Counterparty Credit Limits Large Transactions:** The potential mark-to-market exposure of counterparties with transactions greater than \$10 million entered into in the past month.

B. RISK CONTROL

21. Q. WHO IS RESPONSIBLE FOR ENSURING THAT THE COMPANY'S RISK POLICIES ARE FOLLOWED?

A. The Risk Committee is responsible for the overall policy direction and administration of the risk control efforts, including overall policy compliance. Each department is responsible for administration of the Company's risk management and risk mitigation programs and will be held accountable to the Risk Committee. Risk Control is responsible for monitoring policy compliance on a regular basis and running the Company's exception management processes.

22. Q. PLEASE DESCRIBE THE RISK CONTROL ORGANIZATION.

A. The Risk Control Group consists of two main functions: (1) Energy Risk Control and (2) Credit Risk Management.

23. Q. PLEASE DESCRIBE THE ENERGY RISK CONTROL FUNCTION.

A. Energy Risk Control calculates certain risk control metrics and reports the results to management in a Monthly Risk Control Report. Energy Risk Control also performs actualization of fuel and power transactions prior to invoices being paid to counterparties. Energy Risk Control monitors recorded phone conversations to check for any possible errors within the system of record.

1 **24. Q. PLEASE DESCRIBE THE MONTHLY RISK CONTROL REPORT**
2 **SUMMARY.**

3 A. The Risk Control organization prepares monthly reports to identify, track and report
4 risk control metrics relating to transaction approval risk, portfolio risk, and credit
5 risk. The reports are presented and discussed at meetings of the Risk Committee.
6

7 **25. Q. PLEASE DEFINE THE TERM ‘NOTIFICATION THRESHOLD’ AS IT IS**
8 **USED IN THE RISK CONTROL REPORTING PROCESS.**

9 A. A ‘notification threshold’ triggers reports to management when certain threshold
10 events occur, such as a large increase in the mark-to-base. The notification
11 thresholds require management notification and discussion. After notification and
12 discussion, management must decide whether or not to take specific actions in
13 response to the event that triggered the notification.
14

15 **26. Q. WHAT HAPPENS WHEN THE RISK CONTROL ORGANIZATION**
16 **REPORTS AN EVENT THAT TRIGGERS A NOTIFICATION**
17 **REQUIREMENT?**

18 A. Several steps are involved:
19 • Upon identification of an event triggering a notification requirement, Risk
20 Control staff will notify the Treasurer (or Chief Financial Officer in the
21 Treasurer’s absence), and, depending upon the nature of the issue, can call for
22 a special Risk Committee meeting;
23 • Risk Control maintains a log of all notifications and monitors the status of each
24 issue until compliance is achieved; and,
25
26
27

- Risk Control presents all events triggering a notification requirement to the Risk Committee for discussion, including a course of corrective action if deemed necessary.

27. Q. PLEASE IDENTIFY ANY EVENTS THAT TRIGGERED NOTIFICATION REQUIREMENTS DURING THE DEFERRAL PERIOD.

A. There were no triggering events requiring notifications for Transaction Approval or Credit Risk for Nevada Power in 2023. The Mark-to-Base notification threshold was not triggered for Nevada Power in 2023. The Value-at-Risk notification threshold was triggered for Nevada Power for each month from January 2023 through December 2023 as a result of increases in forward energy prices and volatility.

C. CREDIT RISK MANAGEMENT

28. Q. PLEASE SUMMARIZE THE CREDIT RISK MANAGEMENT AND CONTROL POLICY.

A. The Credit Risk Management and Control Policy establishes a set of metrics that are monitored by Risk Control on a periodic basis. The purpose of these metrics is to provide transparency of the corporate credit portfolio to the Risk Committee. The metrics, an Arrears Balance Metric and an Uncollected Deposits Metric, are designed to monitor the credit exposure attributable to large retail customers. In addition, a Counterparty Credit Metric for supply chain is used to control the credit exposure attributable to large suppliers of supply chain management.

1 29. Q. PLEASE DESCRIBE THE RISK CONTROL ORGANIZATION'S CREDIT
2 RISK MANAGEMENT FUNCTION.

3 A. The Credit Risk Management function is staffed by the Manager, Risk Control and
4 the Business Risk Control Specialist, both reporting to the Treasurer. All potential
5 transactions are reviewed to determine the credit ratings, policy limits based on
6 credit ratings, financial scoring metrics, the current mark-to-market exposure of all
7 current transactions, and whether the potential credit exposure calculations are
8 within the Company's policy limits. The Credit Risk Management function is
9 responsible for assessing and approving the credit risk of counterparties and is also
10 responsible for data collection and reporting of the creditworthiness of current and
11 potential counterparties on an ongoing basis. A monthly report tracks current
12 counterparties, their credit rating from Moody's and Standard and Poor's, the
13 outlook of the ratings, the internal credit limit of each counterparty (based on the
14 lowest of the two ratings), and the mark-to-market exposure. This credit report is
15 distributed to the Company's management. Based upon these reports, stricter
16 counterparty limits are put in place when appropriate. The Credit Risk Management
17 function is also responsible for providing the Energy Procurement Function with
18 collateral requirements for fuel or power contracts.

19
20 30. Q. WHAT HAPPENS IF A COUNTERPARTY'S CREDIT IS DOWNGRADED
21 AFTER A CONTRACT IS SIGNED?

22 A. If a counterparty is downgraded after a contract is signed, Credit Risk Management
23 monitors the performance and the exposure of the contract in relation to the credit
24 limit. The contracts themselves provide the Company with protection in the form
25 of monetary damages in the event of certain credit events and if the delivery
26 obligation is not fulfilled.

1 31. Q. WERE THERE ANY CHANGES TO THE COMPANY'S CREDIT RATING
2 DURING THE DEFERRAL PERIOD?

3 A. Yes. On November 20, 2023, Nevada Power's senior unsecured credit rating was
4 downgraded by Standard & Poor's from 'A' to 'A-'. Moody's Investors Service
5 maintained the Company's rating at 'Baa1'.

6
7 32. Q. HAVE THERE BEEN ANY CHANGES TO THE COMPANY'S CREDIT
8 RATING SINCE THE END OF 2023?

9 A. No.

10
11 D. ENERGY SUPPLY

12
13 33. Q. PLEASE BRIEFLY SUMMARIZE HOW THE ESP IS MONITORED.

14 A. Through the purchase and sale of the physical products and financial instruments,
15 the Company maintains an energy risk management program that manages energy
16 risk in accordance with an approved ESP and ESP updates. The ESP and ESP
17 updates include a recommended course of action to be followed during a three-year
18 period. The ESP and ESP updates are reviewed on an ongoing basis and updated at
19 least annually. Material changes in the data or assumptions underlying the approved
20 ESP and ESP updates are promptly reported to the Risk Committee.

21
22 34. Q. DID THE COMPANY REVIEW AND REASSESS THE APPROVED
23 STRATEGIES BASED UPON CHANGING MARKET CONDITIONS
24 THROUGHOUT THE DEFERRAL PERIOD?

25 A. Yes. The resource portfolio was reviewed by the Risk Committee periodically
26 throughout the Deferral Period. Copies of the Risk Committee meeting minutes at
27

1 which the Company's forward fuel and power positions for the Deferral Period
2 were reviewed, as well as the presentations made to the Risk Committee, are
3 provided as Technical Appendix-6. The Risk Committee presentations and minutes
4 demonstrate that the Company continuously monitored market conditions and
5 made necessary and appropriate decisions during the Deferral Period.
6

7 **35. Q. DID RISK CONTROL IDENTIFY ANY DEPARTURES FROM THE**
8 **APPROVED ESP OR ESP UPDATE THAT WERE NOT REVIEWED AND**
9 **APPROVED BY THE RISK COMMITTEE?**

10 A. No. Risk Control did not identify any departures from the Commission-approved
11 ESP and ESP updates that were not reviewed by the Risk Committee.
12

13 **36. Q. DID THE COMPANY IDENTIFY ANY DEPARTURES FROM THE**
14 **APPROVED POLICIES OR PROCEDURES?**

15 A. No. Risk Control did not identify any departures from the approved policies or
16 procedures.
17

18 **37. Q. DID THE COMPANY COMPLY WITH ALL APPLICABLE**
19 **PROCEDURES AND POLICIES WHEN ENTERING INTO AND**
20 **EXECUTING TRANSACTIONS THAT RESULTED IN COSTS**
21 **RECORDED DURING THE DEFERRAL PERIOD?**

22 A. Yes. Risk Control evaluated policy compliance. The fuel and purchase power costs
23 recorded during the deferral period were the result of transactions that complied
24 with the applicable ESP, the ESP updates, and implementing procedures.
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1 **III. COMPLIANCE ITEMS**

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3 **38. Q. AS PART OF YOUR TREASURER DUTIES, ARE YOU RESPONSIBLE**
4 **FOR MONITORING COMPLIANCE WITH THE ESP AND DEFERRED**
5 **ENERGY ACCOUNTING ADJUSTMENT ORDERS?**

6 A. Yes.

7
8 **39. Q. DID THE COMPANY SATISFY COMPLIANCE ITEMS ORDERED BY**
9 **THE COMMISSION?**

10 A. Yes. The Company has been ordered to meet compliance items from Docket Nos.
11 05-08004, 06-11022, 07-01022, 10-09003/19-08034 and 11-09003. The Company
12 requests a finding that it has satisfied the compliance items listed below:

- 13 1) Review market fundamentals related to natural gas supply and transportation
14 to determine if strategies are appropriate or if they need to be modified.
15 (Docket No. 05-08004)
- 16 2) Nevada Power will include the sale of Mohave SO₂ credits as part of the first
17 DEAA proceeding after the sale of the credits is completed. (Docket No. 06-
18 11022)
 - 19 • As of this filing, the Company has not sold the SO₂ credits.
- 20 3) The Company will track Solar Energy Development Program expenses and
21 revenues in a separate sub-account and provide a quarterly report of the costs
22 with a follow-up meeting if requested by any of the parties. (Docket No. 07-
23 01022)
 - 24 • The dates the Company filed its Commission-mandated quarterly
25 reports are listed below. The Company did not receive any requests for
26 follow-up meetings.

- 1st quarter 2023 (February 15, 2023)
- 2nd quarter 2023 (May 15, 2023)
- 3rd quarter 2023 (August 15, 2023)
- 4th quarter 2023 (November 15, 2023)

4) The Company shall notify the Regulatory Operations Staff (“Staff”) and Bureau of Consumer Protection (“BCP”) of gas hedging strategy changes as soon as practical. (Docket No. 10-09003, as amended in Docket No. 19-08034)

- For the 2023 bi-annual gas hedge workshops, the Company reported the Risk Committee decisions on hedging and a discussion of the ESP elements. See Technical Appendix-1. The Company is currently not hedging natural gas.

5) In each quarterly gas hedge workshop, report the most recent Risk Committee decision on hedging. (Docket Nos. 11-09003)

- For the 2023 quarterly gas hedge reports, the Company reported the Risk Committee decisions on hedging and a discussion of the ESP elements.

IV. REQUEST FOR CONFIDENTIAL TREATMENT

40. Q. ARE ANY OF THE MATERIALS THAT YOU ARE SPONSORING CONFIDENTIAL?

A. Yes. Confidential information has been redacted from presentations made to the Risk Committee, and from the Risk Committee meeting minutes. This confidential information is being filed under seal.

- 1 **41. Q. PLEASE DESCRIBE THE CONFIDENTIAL MATERIAL.**
- 2 A. The redacted material includes information such as customer specific information,
- 3 settlement negotiations, fuel and purchase power forecasts, projected mark-to-
- 4 market positions, forecasted liquidity requirements, physical gas bid information,
- 5 and coal planning activities. This material is commercially sensitive and/or
- 6 discloses the Company's views and expectations of its costs and capabilities to
- 7 serve both existing and potential forward sales. This information is not known
- 8 outside the Company and its distribution is limited within the Company. Releasing
- 9 this sensitive information would compromise the Company's negotiating position
- 10 or otherwise impair its ability to achieve favorable pricing, terms and conditions of
- 11 forward sales.
- 12
- 13 **42. Q. FOR HOW LONG DOES NEVADA POWER REQUEST CONFIDENTIAL**
- 14 **TREATMENT?**
- 15 A. The requested period for confidential treatment is for no less than five years.
- 16
- 17 **43. Q. WILL CONFIDENTIAL TREATMENT IMPAIR THE ABILITY OF THE**
- 18 **COMMISSION'S STAFF OR THE BCP TO PARTICIPATE IN THIS**
- 19 **DOCKET?**
- 20 A. No, in accordance with the accepted practice in Commission proceedings, the
- 21 confidential material will be provided to Staff and the BCP under standardized
- 22 protective agreements with them.
- 23
- 24
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- 27

1 **V. CONCLUSION**

2
3 **44. Q. PLEASE SUMMARIZE YOUR TESTIMONY.**

4 A. In summary, the Company maintains a rigorous set of corporate governance
5 policies and procedures that govern the acquisition and transportation of fuel, and
6 the purchase of energy and capacity. The Company's corporate governance policies
7 and procedures also cover the optimization of fuel, transportation and generation
8 assets. These policies are consistent with and implement the Company's approved
9 ESP and ESP updates. The transactions that resulted in fuel and purchased power
10 costs recorded during the Deferral Period were conducted in accordance with the
11 Company's corporate governance policies and procedures. Accordingly, the
12 Commission should conclude that the fuel and purchased power costs for which the
13 Company is seeking recovery in this application were prudently incurred.

14
15 **45. Q. DOES THIS CONCLUDE YOUR PREPARED DIRECT TESTIMONY?**

16 A. Yes.
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EXHIBIT CACUCI-DIRECT-1

CATALIN ADRIAN CACUCI
TREASURER
NV Energy
6226 West Sahara Avenue
Las Vegas, NV 89151

Summary of Qualifications

I have been employed at NV Energy since September 2022 with primary responsibilities in Treasury and Risk Control. I have 21 years of experience in Treasury, Corporate Finance, and Financial Planning and Analysis.

Professional Experience

NV Energy – Treasurer (2022-Current)

Primary responsibilities in Treasury and Risk Control. Other positions held: Interim Treasurer, Assistant Treasurer

The Cosmopolitan of Las Vegas – Vice President of Finance and Treasurer (2010-2022)

Oversaw all treasury and payables functions. Other positions held: Executive Director of Finance, Sr. Director Financial Planning and Analysis, Director of Operational Analysis, HOA President, HOA Treasurer

MGM Resorts International – Treasury Manager (2006-2010)

Oversaw daily cash management and reporting, bank relationship management, cash liquidity, corporate card programs, merchant services, employee stock compensation plan.

New York, New York Hotel and Casino – Financial Planning and Analysis Manager (2005-2006)

Managed FP&A functions including annual operational and capital budgets, strategic plans, return on investment analysis, evaluated host and independent agent efficiency, labor standards and productivity, special event proformas and post event analysis.

Caesars' Entertainment – Senior Financial Analyst (2003-2005)

Prepared and analyzed annual operating and capital budgets, labor standards, gaming host and independent agent productivity, commission reports, individual player activity reports, special event proformas and post event analysis.

Education and Certification

University of Nevada, Las Vegas – Master of Business Administration

Two-year program with a concentration in finance

University of Nevada, Las Vegas – Bachelor of Science in International Business

Summa Cum Laude

Association for Financial Professionals - Certified Treasury Professional (CTP)

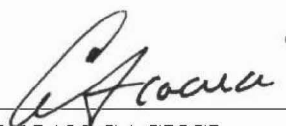
Issued 2012, Active status

AFFIRMATION

Pursuant to the requirements of NRS 53.045 and NAC 703.710, ADRIAN CACUCI, states that he is the person identified in the foregoing prepared testimony and/or exhibits; that such testimony and/or exhibits were prepared by or under the direction of said person; that the answers and/or information appearing therein are true to the best of his knowledge and belief; and that if asked the questions appearing therein, his answers thereto would, under oath, be the same.

I declare under penalty of perjury that the foregoing is true and correct.

Date: March 1, 2024


ADRIAN CACUCI

DYLAN HILLS

BEFORE THE PUBLIC UTILITIES COMMISSION OF NEVADA

Nevada Power Company d/b/a NV Energy
Docket No. 24-03____
2024 Deferred Energy Proceeding
Prepared Direct Testimony of

Dylan Hills

**1. Q. PLEASE STATE YOUR NAME, OCCUPATION, BUSINESS ADDRESS
AND PARTY FOR WHOM YOU ARE FILING TESTIMONY.**

A. My name is Dylan Hills. My current position is Senior Revenue Requirement and FERC Analyst for Nevada Power Company d/b/a NV Energy (“Nevada Power” or the “Company”) and Sierra Pacific Power Company d/b/a NV Energy (“Sierra” and, together with Nevada Power, the “Companies”). My business address is 6100 Neil Road in Reno, Nevada. I am filing testimony on behalf of Nevada Power.

**2. Q. PLEASE DESCRIBE YOUR BACKGROUND AND EXPERIENCE IN THE
UTILITY INDUSTRY.**

A. I received a Bachelor of Science in Environmental Studies with a minor in Solar and Renewable Energy from the University of Nevada, Las Vegas, and a Master of Business Administration degree from the University of Nevada, Reno. I have worked for the Companies since October of 2021, and have been in my current role as a Senior Analyst since August 2022. Prior to joining the Companies, I worked for a consulting firm that audited demand side management programs for utilities throughout the United States. I provide more details about my background and experience in **Exhibit Hills-Direct-1**.

1 **3. Q. PLEASE DESCRIBE YOUR RESPONSIBILITIES AS A SENIOR**
2 **REVENUE REQUIREMENT AND FERC ANALYST.**

3 A. My responsibilities as a Senior Revenue Requirement and FERC Analyst include
4 monthly preparation of Nevada Power’s Base Tariff Energy Rate (“BTER”) and
5 Deferred Energy Accounting Adjustment (“DEAA”) projections, and monthly
6 journal entries for DEAA. I am also responsible for quarterly and annual filings of
7 the BTER, and DEAA. I also assist with preparation of schedules and statements
8 for General Rate Cases and other regulatory filings.

9
10 **4. Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THE PUBLIC**
11 **UTILITIES COMMISSION OF NEVADA (“COMMISSION”)?**

12 A. Yes, I have testified in the 2023 and 2022 DEAA filings, Docket Nos. 23-03007
13 and 22-03003.

14
15 **5. Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

16 A. I am supporting the calculation of the DEAA balance as provided for in Exhibits
17 D, D-1 and D-1. In addition, I support the calculations of Sierra’s four quarterly
18 BTER and DEAA changes filed with the Commission in Docket Nos. 23-05015,
19 23-08008, 23-11014 and 24-02019.

20
21 **6. Q. ARE YOU SPONSORING ANY EXHIBITS OR APPENDICES?**

22 A. Yes. I am sponsoring the following Exhibits:

23 **Exhibit Hills-Direct-1** Statement of Qualifications

24 **Exhibits D, D-1, and D-2** Summary of the DEAA Balance

1 **7. Q. PLEASE DESCRIBE EXHIBITS D, D-1, AND D-2.**

2 A. Exhibit D is a summary of the deferred energy accounts and shows the cumulative
3 balance at the end of the calendar year 2023 (the “Deferral Period”). Pursuant to
4 the Commission’s order in Docket No. 11-08006, Nevada Power’s DEAAs have
5 been updated quarterly since April 1, 2012. Therefore, no changes to the DEAA
6 have been filed in this application. Similarly, the BTER also changes quarterly.
7 Therefore, this application does not propose a change to the BTER.

8
9 Exhibit D-1 provides a synopsis of monthly activity in the deferred energy
10 balancing accounts, for both residential and non-residential customers, since
11 December 31, 2022, the end of the deferral period in the Company’s last DEAA
12 application, Docket No. 23-03005. Exhibit D-1 shows the monthly deferrals, the
13 calculation of carrying charges, and any adjustments to the balancing account
14 including all adjustments made in compliance with the Commission’s order from
15 Docket No. 19-03001.

16
17 Exhibit D-2 shows the recorded monthly kilowatt-hour (“kWh”) sales (billed and
18 unbilled) for the Deferral Period categorized by residential, non-residential, Federal
19 Energy Regulatory Commission (“FERC”) jurisdictions and off-system sales.
20

21 **8. Q. HAVE YOU REFLECTED ANY ADJUSTMENTS TO THE RECORDED**
22 **BALANCE PRESENTED IN EXHIBIT D?**

23 A. No.
24
25
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1 9. Q. HAS THE COMPANY PROVIDED INFORMATION REGARDING ITS
2 QUARTERLY BTER ADJUSTMENTS AS REQUIRED BY
3 NRS § 704.110(11)(d)?

4 A. Yes. NRS § 704.110(11)(d) provides that:

5 The proceeding regarding the annual deferred energy accounting
6 adjustment application must include a review of each quarterly rate
7 adjustment and the transactions and recorded costs of purchased fuel
8 and purchased power included in each quarterly filing and the annual
9 deferred energy accounting adjustment application.

10 During the Deferral Period, Nevada Power made four quarterly rate adjustment
11 applications based on monthly costs. Table Hills-Direct 1, below, provides the
12 docket number for each quarterly adjustment, the applicable test period, and a
13 reference to the docket(s) in which test period costs have been reviewed by the
14 Commission. All the recorded costs were either reviewed in Nevada Power's
15 previous deferred energy cases or are being presented for review in this application.
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28 Hills-DIRECT

Table Hills-Direct 1: Quarterly BTERs

Quarterly BTER Adjustment	Test Period for Quarterly BTER Adjustment	Test Period Costs Previously Reviewed
Docket No. 23-02017	12 Months Ended December 31, 2022	Docket No. 23-03005 (1 st , 2 nd , 3 rd , 4 th Qtr. 2022)
Docket No. 23-05015	12 Months Ended March 31, 2023	Docket No. 23-03005 (2 nd , 3 rd , 4 th Qtr. 2022)
Docket No. 23-08008	12 Months Ended June 30, 2023	Docket No. 23-03005 (3 rd , 4 th Qtr. 2022)
Docket No. 23-11014	12 Months Ended September 30, 2023	Docket No. 23-03005 (4 th Qtr. 2022)

Each of the quarterly BTER adjustment filings included a change to the DEAA. In this application, purchased fuel and power transactions for the Deferral Period are shown on Exhibit E sponsored by Damon Pettinari. This includes all transactions associated with the quarterly BTER adjustments that were filed and became effective in 2023, as well as all transactions included in the quarterly adjustment filed on February 15, 2024, based on the calendar year 2023 (Docket No. 24-02019). The Company filed an application in Docket No. 23-05028 to adjust the DEAA in excess of the maximum allowable adjustment under NRS § 704.110(10) to provide a discounted rate effective July 1, 2023. The Commission accepted the application as modified by a Stipulation between the Company, the Regulatory Operations Staff and the Bureau of Consumer Protection. Jenny Naughton provides additional details regarding the deviation in her testimony.

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10. Q. DOES THIS CONCLUDE YOUR PREPARED DIRECT TESTIMONY?
A. Yes.

EXHIBIT HILLS-DIRECT-1

DYLAN G. HILLS
Senior Revenue Requirement and FERC Analyst
NV Energy
6100 Neil Road
Reno, Nevada 89511-1137

Summary of Qualifications

Seven years of utility, accounting, and regulatory experience. Experience in quantitative methodology to drive successful program evaluations for major clients including FirstEnergy, Public Service Company of Oklahoma, Oklahoma Gas and Electric, and PacifiCorp.

Professional Experience

Senior Revenue Requirement and FERC Analyst (August 2022 – Present)

Nevada Power Company and Sierra Pacific Power Company d/b/a NV Energy

Responsible for the preparation of quarterly and annual Earned Rate of Return & BTER/DEAA reports, monthly Deferred Energy journal entries, adjustments, and analyses. Assisted with the preparation of the revenue requirement model and supporting workbooks for the 2024 Sierra Pacific Power Company general rate case.

Revenue Requirement and FERC Analyst (October 2021 – August 2022)

Nevada Power Company and Sierra Pacific Power Company d/b/a NV Energy

Responsible for the preparation of monthly journal entries, adjustments, and analyses.

Analyst/Team Leader (March 2018 – October 2021)

ADM Associates Inc.

Project manager and lead evaluator for EM&V utilities demand side management programs. Wrote EM&V plans and reports for clients including FirstEnergy, Public Service Company of Oklahoma, Oklahoma Gas and Electric, and PacifiCorp. Performed energy efficiency analyses for multiple energy efficiency measures and programs. Managed and performed field work to verify installation of energy efficiency measures.

Tier 2 Analyst (June 2016 – March 2018)

RR Donnelley

Team Lead responsible for training and management of the Consolidated Graphics team. Generated daily and monthly reports for unidentified cash on account, contact analysts or customers for remittance, and apply cash to customer accounts as warranted. Oversaw the transition of legacy facilities to SAP Enterprise system.

Research Assistant (January 2015 – December 2015)

University of Nevada, Reno

Designed financial market research projects; collected/analyzed research data and authored technical reports.

Chemical Operations Specialist (December 2008 – December 2016)

U.S. Army, 355th CM. CO.

Education

University of Nevada, Reno

Master of Business Administration, emphasis in Investment Finance (December 2015)

University of Nevada, Las Vegas

Bachelor of Science in Environmental Studies, Minor in Solar and Renewable Energy (May 2013)

Continuing Education

Utility Finance and Accounting for Non-Financial Professionals (December 2021)

AFFIRMATION

Pursuant to the requirements of NRS 53.045 and NAC 703.710, DYLAN HILLS, states that he is the person identified in the foregoing prepared testimony and/or exhibits; that such testimony and/or exhibits were prepared by or under the direction of said person; that the answers and/or information appearing therein are true to the best of his knowledge and belief; and that if asked the questions appearing therein, his answers thereto would, under oath, be the same.

I declare under penalty of perjury that the foregoing is true and correct.

Date: March 1, 2024


DYLAN HILLS

JOHN LESCENSKI

BEFORE THE PUBLIC UTILITIES COMMISSION OF NEVADA

Nevada Power Company d/b/a NV Energy
Docket No. 24-03____
2023 Deferred Energy Proceeding
Prepared Direct Testimony of

John Lescenski

**1. Q. PLEASE STATE YOUR NAME, OCCUPATION, BUSINESS ADDRESS
AND PARTY FOR WHOM YOU ARE FILING TESTIMONY.**

A. My name is John Lescenski. My current position is Manager, Generation Engineering and Technical Services for Nevada Power Company d/b/a NV Energy (“Nevada Power” and the “Company”) and Sierra Pacific Power Company (“Sierra” and, together with Nevada Power, the “Companies”). My business address is 6226 West Sahara Avenue, Las Vegas, Nevada. I am filing testimony on behalf of Nevada Power.

**2. Q. PLEASE DESCRIBE YOUR RESPONSIBILITIES AS MANAGER,
GENERATION ENGINEERING AND TECHNICAL SERVICES.**

A. As Manager, Generation Engineering and Technical Services, I am responsible for generation fleet-wide asset strategy development, regulatory planning and analysis, technical support for new solar resource contracts and technical support to the Companies’ generation fleet.

1 **3. Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THE PUBLIC**
2 **UTILITIES COMMISSION OF NEVADA (“COMMISSION”)?**

3 A. Yes. I provided written testimony in the Companies’ past deferred energy,
4 integrated resource planning and general rate cases. I most recently testified in the
5 Companies’ deferred energy applications in Docket Nos. 23-03005 and 23-03006,
6 in the Companies’ Fifth Amendment to their Integrated Resource Plan in Docket
7 No. 23-08015, and in Nevada Power’s general rate case in Docket No. 23-06007.

8
9 **4. Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

10 A. My testimony describes the thermal generating units owned by Nevada Power that
11 were available to serve its load and support optimized operations between January
12 1, 2023, and December 31, 2023 (the “Deferral Period”). I also provide information
13 regarding the Net Capacity Factor (“NCF”) and the Equivalent Availability Factor
14 (“EAF”) of each unit. I discuss the availability and reliability of the generating fleet,
15 including significant events that restricted the availability of the units. I also discuss
16 costs associated with wear and tear of generating units including a discussion on
17 active Long Term Service Agreements (“LTSA”) for certain generating units.

18
19 **5. Q. ARE YOU SPONSORING ANY EXHIBITS AND TECHNICAL**
20 **APPENDICIES?**

21 A. Yes. I am sponsoring the following exhibits and technical appendices:

22 **Exhibit Lescenski-Direct-1** Statement of Qualifications

23 **Technical Appendix 5** O&M Costs for Generation Fleet (Confidential)

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6. Q. PLEASE BRIEFLY DESCRIBE THE GENERATING UNITS OWNED BY NEVADA POWER THAT SERVED LOAD DURING THE DEFERRAL PERIOD.

A. Descriptions of the thermal generation plants owned by Nevada Power that were used to serve load during the deferral period, January 1, 2023 through December 31, 2023 (the “Deferral Period”) including information on their approximate capacity levels, are provided below in Table Lescenski-Direct-1:

TABLE LESCENSKI-DIRECT-1

Unit	Location	Fuel Source	Peak Summer Capability
Station	Location	Fuel Source	MW Capacity
Clark Complex			
Clark 4	Las Vegas, NV	Natural Gas	54
Clark 10 (5,6,10) Combined Cycle	Las Vegas, NV	Natural Gas	215
Clark 9 (7,8,9) Combined Cycle	Las Vegas, NV	Natural Gas	215
Clark 11-22	Las Vegas, NV	Natural Gas	618
Chuck Lenzie Complex			
Lenzie (Block 1) Combined Cycle	Northeast of Las Vegas, NV	Natural Gas	609
Lenzie (Block 2) Combined Cycle	Northeast of Las Vegas, NV	Natural Gas	609
Silverhawk Station			
Silverhawk Combined Cycle	Northeast of Las Vegas, NV	Natural Gas	590
Harry Allen Station			
Harry Allen 3	Northeast of Las Vegas, NV	Natural Gas	72
Harry Allen 4	Northeast of Las Vegas, NV	Natural Gas	72
Harry Allen (5,6,7) Combined Cycle	Northeast of Las Vegas, NV	Natural Gas	484
Higgins Station			
Higgins Combined Cycle	South of Las Vegas, NV	Natural Gas	602
Las Vegas Generating Station			
LV Gen 1 Combined Cycle	North Las Vegas, NV	Natural Gas	48
LV Gen 2 Combined Cycle	North Las Vegas, NV	Natural Gas	112
LV Gen 3 Combined Cycle	North Las Vegas, NV	Natural Gas	112
Sun Peak			
Sun Peak 3	Las Vegas, NV	Natural Gas/ No 2 Fuel Oil	70
Sun Peak 4	Las Vegas, NV	Natural Gas/ No 2 Fuel Oil	70
Sun Peak 5	Las Vegas, NV	Natural Gas/ No 2 Fuel Oil	70
Goodsprings Station			
Goodsprings	Jean, NV	Waste Heat	5

7. Q. WHAT WERE THE NCF AND EAF FOR EACH OF THE COMPANY’S GENERATING UNITS DURING THE DEFERRAL PERIOD?

A. Table Lescenski-Direct-2 shows the NCF and EAF for Nevada Power-owned generating units used to serve load during the Deferral Period. NCF is the ratio of actual net generation that a unit produced to what it could have produced if it operated at full capacity continuously over a period of time. EAF measures a unit’s availability.¹ EAF is reduced by planned and forced outages and deratings when the unit could not make full load. These factors provide a measurable benchmark for unit operation and the availability of the units to serve customer load when called upon. Nevada Power’s EAF goal is to achieve the top decile performance for its large combined cycle generating plants. The Company did not meet the goal in 2023 due two lengthy planned outages to complete combustion turbine and control system upgrades. Table Lescenski-Direct 3 presents the top decile measures from the NERC pc-GAR data base defined as the five-year average from 2018 – 2022 for units of similar capacity and type.

¹ EAF = [(AH - (EUDH + EPDH + ESEDH))/PH] x 100 (%) where Available Hours (“AH”) is the sum of all Service Hours, Reserve Shutdown Hours, Pumping Hours, and Synchronous Condensing Hours; Equivalent Unplanned Derated Hours (“EUDH”) is the product of the Unplanned Derated Hours and the Size of Reduction, divided by the Net Maximum Capacity (“NMC”); Equivalent Planned Derated Hours (“EPDH”) is the product of the Planned Derated Hours and the Size of Reduction, divided by NMC; Equivalent Seasonal Derated Hours (“ESEDH”) is NMC less the Net Dependable Capacity, multiplied by AH and divided by NMC; and Period Hours (“PH”) is the number of hours a unit was in the active state. The EAF calculation presented here excludes those events classified by the North American Electric Reliability Council (“NERC”) as “Outside Management Control” events. The terms, definitions, and equations used to calculate these statistics are based on ANSI/IEEE Standard 762 – 2006 “Definitions for use in reporting electric generating unit reliability, availability, and productivity,” and are the ones most commonly used by the electric utility industry to evaluate unit performance. They are available in MicroGADS, an information repository. MicroGADS Gold software is owned by Navigant Consulting Inc., and used by over 75% of generators reporting to NERC. The Company participates in MicroGADS.

TABLE LESCENSKI-DIRECT-2
NEVADA POWER OWNED GENERATION
PERFORMANCE MEASURES FOR 1/2023 THROUGH 12/2023

NPC-Owned	NCF	EAF	NPC-Owned	NCF	EAF
Lenzie CT1	68.6	97.64	Harry Allen Unit 3	12.6	95.57
Lenzie CT2	67.1	97.67	Harry Allen Unit 4	14.6	85.40
Lenzie ST1	55.9	97.45	Harry Allen Unit 5	44.0	67.81
Lenzie CT3	70.4	99.64	Harry Allen Unit 6	40.6	67.42
Lenzie CT4	69.1	99.79	Harry Allen Unit 7	37.7	66.28
Lenzie ST2	56.2	99.46	Higgins CT1	46.3	85.53
Clark Unit 4	1.8	65.53	Higgins CT2	42.9	81.06
Clark Unit 5	9.5	34.56	Higgins STG	34.1	81.74
Clark Unit 6	14.4	34.86	Silverhawk CTA	53.9	96.28
Clark Unit 7	6.3	29.50	Silverhawk CTB	48.8	96.20
Clark Unit 8	14.5	57.95	Silverhawk STG	41.1	95.16
Clark Unit 9	7.8	39.76	Sun Peak Unit 3	2.0	95.38
Clark Unit 10	10.9	32.85	Sun Peak Unit 4	1.6	96.21
Clark Unit 11	1.9	77.13	Sun Peak Unit 5	1.4	92.58
Clark Unit 12	1.4	73.73	Las Vegas Block 1	9.3	91.35
Clark Unit 13	1.5	78.14	Las Vegas Unit 2A	15.8	81.45
Clark Unit 14	1.6	78.18	Las Vegas Unit 2B	15.3	80.58
Clark Unit 15	4.4	84.97	Las Vegas ST 2	17.4	86.11
Clark Unit 16	4.2	84.95	Las Vegas Unit 3A	13.9	81.65
Clark Unit 17	3.6	85.53	Las Vegas Unit 3B	14.4	82.97
Clark Unit 18	3.4	88.29	Las Vegas ST3	14.8	87.79
Clark Unit 20	1.3	80.34			
Clark Unit 21	1.8	84.52			
Clark Unit 22	1.1	83.83			
Goodsprings	64.5	89.58			

Table Lescenski-Direct-3
Top Decile Comparison

Top Decile EAF Target		
Year	Large CC	Coal
5 Year Average	93%	90%

NPC Large CC	EAF
Lenzie PB1	97.6
Lenzie PB2	99.6
Harry Allen CC	67.1
Higgins CC	82.6
Silverhawk CC	95.8
AVERAGE	88.5

1 **8. Q. WAS THE OPERATING PERFORMANCE OF THE GENERATING**
2 **FLEET COMPARABLE WITH HISTORIC OPERATIONS OR**
3 **EXPECTED PERFORMANCE?**

4 A. Yes, the generating units' reliability was generally comparable with past and
5 expected performance given the number and duration of control system and turbine
6 upgrade planned outages performed in 2023.²

7
8 **9. Q. DID ANY SIGNIFICANT OUTAGES IMPACT THE GENERATING**
9 **FLEET THAT ARE NOT REFLECTED IN TABLE-LESCENSKI-DIRECT-**
10 **2?**

11 A. Yes. The North American Electric Reliability Corporation ("NERC") allows for
12 EAF to be reported excluding those outages or derates that are considered "Outside
13 Management Control" ("OMC").³ The following event occurred outside the
14 physical boundary of the plant, and therefore, qualifies as an OMC outage.
15 Sun Peak 3 was unavailable from November 20, 2023, through present for planned
16 relay panel replacements on the switchyard circuit breakers.

17
18 **10. Q. DID SIGNIFICANT PLANNED MAINTENANCE ACTIVITIES IMPACT**
19 **THE AVAILABILITY METRICS SHOWN IN TABLE LESCENSKI-**
20 **DIRECT-2?**

21 A. Yes. Normal, regularly scheduled, recommended maintenance inspections and
22 repairs occurred on the Clark Combined Cycles and Las Vegas Generating Blocks.
23 In addition, a turbine upgrade outage (approved in Docket No. 21-06001) occurred
24

25
26 ² "Expected Performance" is determined by considering the planned maintenance and an allocation for lost generation due to forced outages.

27 ³ For more information on OMC events, please see Appendix K on the NERC web site at:
<http://www.nerc.com/pa/RAPA/gads/Pages/Data%20Reporting%20Instructions.aspx>.

on Harry Allen Combined Cycle, and control system upgrades and replacements occurred on all Clark and Sun Peak units, Higgins Combined Cycle, and Goodsprings.

Clark Station:

Clark Unit 4 was unavailable from January 2, 2023, through April 24, 2023, to replace and upgrade the control system.

The Clark Combined Cycles were unavailable beginning January 2, 2023, to replace and upgrade the control system. The planned outages ended March 30 (CT 7), April 12 (CT 8 and Steam Turbine (“ST”) 9), April 29 (CT 6 and ST 10), and April 30, 2023 (CT 5).

Clark Peaking Units 11 and 12 were unavailable January 6, 2023, through March 24, 2023, to replace and upgrade the control system.

Clark Peaking Units 13 and 14 were unavailable January 9, 2023, through March 21, 2023, to replace and upgrade the control system.

Clark Peaking Units 15 and 16 were unavailable beginning September 12, 2023, to replace and upgrade the control system. The outage ended October 28 (Unit 16) and October 29, 2023 (Unit 15).

Clark Peaking Units 17 and 18 were unavailable beginning September 28, 2023, to replace and upgrade the control system. The outage ended November 3 (Unit 18) and November 6, 2023 (Unit 17).

Clark Peaking Units 19, 20, 21, and 22 were unavailable beginning October 15, 2023, to replace and upgrade the control system. The outage ended November 26 (Unit 20), November 28 (Unit 19), December 3 (Unit 21), and December 8, 2023 (Unit 22).

Clark CT 7 was unavailable from April 10, 2023, through May 30, 2023, for a planned hot gas path inspection. During the outage several worn parts were discovered that required replacement including row 3 and 4 turbine blades and interstage seals and row 3 vanes. The primary and secondary fuel nozzles were also overhauled.

Clark Combined Cycle (Units 5, 6, and 10) were unavailable beginning September 13, 2023, to refurbish the gas turbine torque converters and replace the bypass damper doors at the inlet of the Heat Recovery Steam Generators (“HRSG”). Both torque converters failed mechanically requiring a rebuild by the Original Equipment Manufacturer (“OEM”) in Houston. The damper doors had experienced several failures requiring a redesign of the damper attachment and replacement of the doors. The maintenance outage ended January 3, 2024, for CT6 and ST10. The outage on CT5 ended February 16, 2024.

Clark Combined Cycle (Units 7, 8, and 9) were unavailable beginning September 21, 2023, on CT7 and November 3, 2023, on CT8 and ST 9 to replace the bypass damper doors at the inlet of the HRSGs. The maintenance outages ended December 21, 2023.

Harry Allen Station:

Harry Allen Combined Cycle (Units 5, 6, and 7) were unavailable March 17, 2023, through May 8, 2023, for a steam turbine major outage and combustion turbine hot gas path inspections. Combustion turbine upgrades were also completed to increase capacity. The length of the planned outage was extended due to difficulty removing the steam turbine casing.

Higgins Station:

Higgins Combined Cycle (Units CT1, CT2, and ST) were unavailable October 15, 2023, through December 5, 2023, to replace and upgrade the control system.

Goodsprings Station:

Goodsprings was unavailable September 17, 2023, through October 19, 2023, to replace and upgrade the control system.

Las Vegas Generating Station:

Las Vegas Generating Station Block 1 was unavailable from December 11, 2022, through January 11, 2023, to repair the cooling tower structural supports and replace existing fill and drift eliminators.

Las Vegas Generating Station Block 2 was unavailable from January 12, 2023, through February 27, 2023, to repair the cooling tower structural supports and replace existing fill and drift eliminators.

Las Vegas Generating Station Block 3 was unavailable from February 27, 2023, through April 8, 2023, to repair the cooling tower structural supports and replace existing fill and drift eliminators.

Sun Peak Station:

Sun Peak Units 3, 4, and 5 were unavailable from February 10, 2023, through February 23, 2023, to replace and upgrade the control system.

Nevada Power scheduled each of the planned maintenance events at its generating plants in a manner designed to minimize the cost of providing service to customers.

11. Q. WERE THERE ANY SIGNIFICANT UNPLANNED EVENTS THAT IMPACTED THE AVAILABILITY SHOWN IN TABLE LESCENSKI-DIRECT-2?

A. Yes.

Clark Station:

- Clark CT 6 was in a forced outage from July 14, 2023, through July 21, 2023, due to a turning gear failure.
- Clark Peaking Unit 20 was in a forced outage from April 30, 2023, through May 23, 2023, due to a high vibration trip during unit operation.

Harry Allen Station:

- Harry Allen Peaking Unit 4 was in a forced outage from November 23, 2022, through February 3, 2023, due to combustion tuning issues following a planned hot gas path outage.

- Harry Allen Peaking Unit 4 was in a forced outage from February 10, 2023, through February 20, 2023, due to high generator collector end vibration following a planned hot gas path and generator rewind outage.
- Harry Allen Combined Cycle was in a forced outage beginning May 8, 2023, due to damage discovered during the major outage requiring an outage extension for repairs. The outage ended May 21, 2023 (Units 5 and 6), and May 22, 2023 (Unit 7).
- Harry Allen Unit 7 was in a forced outage from November 10, 2023, through February 4, 2024 due to a steam turbine generator failure.
- Harry Allen Units 5 and 6 were in a forced outage from November 14, 2023, through January 16, 2024, due to a hot reheat steam bypass piping failure.

Higgins Station:

- Higgins was derated from December 5, 2023, through January 10, 2024, following the planned control system upgrade outage due to incomplete duct burner controls and wiring.

Las Vegas Generating Station:

- Las Vegas Blocks 2 and 3 were derated from July 27, 2023, through October 3, 2023, due to condenser tube leakage in the chiller system.

CLARK STATION

12. Q. PLEASE DESCRIBE THE UNPLANNED OUTAGE OF CLARK CT 6.

A. On July 14, 2023, following a normal shutdown, the unit turning gear failed to engage and an oil leak was discovered. An inspection revealed wear on the gear and a seal failure. A temporary repair was made to restore operation for the

remaining summer months. The unit returned to service July 21, 2023, and the turning gear was rebuilt during the fall maintenance outage.

13. Q. PLEASE DESCRIBE THE UNPLANNED OUTAGE OF CLARK PEAKING UNIT 20.

A. On April 30, 2023, Unit 20B tripped offline due to high vibrations on the S flange. The OEM recommended the unit be removed from service and sent offsite for inspection. The OEM discovered a power turbine bearing failure, foreign object damage to the power turbine, and oil leakage from the R flange. A rotatable spare power turbine was installed, and the unit returned to service on May 23, 2023.

HARRY ALLEN STATION

14. Q. PLEASE PROVIDE AN UPDATE ON THE HARRY ALLEN PEAKING UNIT 4 COMBUSTION TUNING ISSUES.

A. Peaking Unit 4 returned from a hot gas path inspection and generator rewind planned outage on November 15, 2022. Following the outage, the unit was started and tuned for emissions compliance. The combustion dynamics following tuning were found to be unacceptable. Ultimately, a compressor bleed valve was found to have been assembled incorrectly and the unit returned to service on February 3, 2023. This outage was previously discussed in Docket No. 23-03005, Nevada Power's 2023 DEAA filing.⁴

⁴ Docket No. 23-03005, Prepared Direct Testimony of John Lescenski, Q&A 17.

15. Q. PLEASE DESCRIBE THE FORCED OUTAGE ON HARRY ALLEN
PEAKING UNIT 4 IN FEBRUARY.

A. Following the resolution of the combustion tuning issues on Peaking Unit 4, the generator collector's end vibration was excessively high. To resolve the issue, the unit was placed in a forced outage on February 10, 2023, in order to place a balance shot. The unit returned to service February 20, 2023, with acceptable vibration levels.

16. Q. PLEASE DISCUSS THE HARRY ALLEN COMBINED CYCLE PLANNED
OUTAGE AND OUTAGE EXTENSION.

A. Harry Allen Combined Cycle had a 40-day planned outage scheduled beginning March 17, 2023, to complete a major inspection on the steam turbine, hot gas path inspections on the gas turbines, and implement gas turbine upgrades to increase unit capacity. The outage was extended by 11 days due to difficulty removing the steam turbine casing. Inspection of the turbine began once the casing was removed and damage to the steam turbine diaphragms was discovered requiring repairs. This repair work extended the outage by 15 days. The combined cycle returned to service on May 22, 2023.

17. Q. PLEASE DESCRIBE THE FORCED OUTAGE ON HARRY ALLEN UNIT
7.

A. On November 10, 2023, Unit 7 steam turbine tripped on a differential protection relay. Subsequent high-potential testing of the generator confirmed a ground on Phase A and revealed a broken phase connector on Phase B as well as oil in the generator. The generator was rewound, and the unit returned to service on February 4, 2024.

18. Q. PLEASE DESCRIBE THE FORCED OUTAGE ON HARRY ALLEN UNITS 5 AND 6.

A. On November 14, 2023, Harry Allen Combined Cycle was operating the combustion turbines in simple cycle with steam bypassing to the condenser due to the steam turbine forced outage discussed in Q&A 16. The hot reheat bypass valve controller temporarily lost indication of the valve's position, causing the valve to close as designed. Attemperator spray continued, and condensate began accumulating in the piping. The hot reheat bypass controller regained signal and the valve returned to the open position, causing a water hammer as the steam came in contact with the condensate causing damage to the piping, hangers, and support structure. The faulty valve controller was replaced, piping and structures were repaired, and control logic was implemented to prevent recurrence. The repair work was completed January 16, 2024.

HIGGINS STATION

19. Q. PLEASE DESCRIBE THE DERATE AT HIGGINS BEGINNING IN DECEMBER.

A. Higgins was derated beginning December 5, 2023, due to the inability to run duct burners following the planned control system upgrade outage. The controls and wiring for the duct burners were not completed as required within the original outage timeframe. The parts required to complete commissioning of the duct burners were ordered and the derate ended January 10, 2024.

LAS VEGAS GENERATING STATION

20. Q. PLEASE DESCRIBE THE UNPLANNED OUTAGE ON LAS VEGAS BLOCKS 2 AND 3.

A. Las Vegas Blocks 2 and 3 were derated beginning July 27, 2023, due to lack of combustion turbine inlet cooling. The chiller had leaking condenser tubes causing contamination and corrosion of the refrigerant circuit. The derate ended October 3, 2023, when inlet cooling is typically removed from service for the winter season. The condenser tube repairs are scheduled to be completed prior to the 2024 summer season.

ENERGY IMBALANCE MARKET

21. Q. HAS THE GENERATING FLEET EXPERIENCED ANY OPERATING IMPACTS AS A RESULT OF JOINING THE ENERGY IMBALANCE MARKET?

A. No. The plants continue to respond to the Balancing Area Authority's instructions, and plant outputs are still being regulated by the Balancing Area Authority's Energy Management System.

DISPATCH O&M COSTS

22. Q. IN DOCKET NOS. 15-03001 AND 17-03001, THE COMMISSION'S ORDER STATES THAT UPDATED VARIABLE OPERATION AND MAINTENANCE ("O&M") COSTS AS WELL AS UPDATED ALLOCATION RATIOS BETWEEN CAPITAL AND O&M EXPENSE FOR THE LTSA SHOULD BE INCLUDED IN THE NEXT DEFERRED

ENERGY FILING.⁵ HAS THIS MATERIAL BEEN PROVIDED IN THIS FILING AS WELL?

A. Yes. The documents requested can be found in Technical Appendix 5.

23. Q. PLEASE IDENTIFY EACH LTSA AND THE SERVICES PROVIDED UNDER EACH AGREEMENT. FOR EACH SERVICE IDENTIFIED, DESCRIBE THE ACCOUNTING PROTOCOLS AND PROVIDE AN EXAMPLE OF EACH CATEGORY OF SERVICE, INCLUDING THE ACCOUNTING ENTRIES.

A. LTSAs are currently in place at Silverhawk Station, Higgins Station, Lenzie Station, Clark Peaking Units, and on the combined cycle block at Harry Allen Station.

The LTSAs are multi-year agreements established to assure reliability of the combined cycle turbines, generators, and the peaking unit turbines while stabilizing maintenance expenses over the term of the agreement. The LTSA with General Electric (“GE”) covers the Lenzie blocks 1 and 2 and the Harry Allen combined cycle. The LTSA with Power Systems Manufacturing (“PSM”) covers the combined cycle blocks at Silverhawk and Higgins. The LTSA with PW Power Systems (“PWPS”) covers the 24 Clark Peaking units. Versions of the GE and PSM agreements have been reviewed by the Commission in rate cases for Nevada Power, specifically in Docket Nos. 11-06006 and 14-05004. The PWPS LTSA was reviewed in Docket No. 19-03001.

⁵ Joint Application of Nevada Power Company d/b/a NV Energy and Sierra Pacific Power Company d/b/a NV Energy for approval of an Indefinite Joint Dispatch Agreement governing transactions utilizing the One Nevada Transmission Line, September 9, 2015, Order at 32.

1 The GE LTSA provides for full inspection, replacement, and repair coverage of the
2 combustion turbines. It also covers inspections (not repairs) for the compressors,
3 generators, and steam turbines. Needed repairs to the compressors, generators and
4 steam turbines are not covered in the LTSA and are considered extra work. In
5 addition, the steam turbine and steam turbine generator at Silverhawk, which is a
6 GE machine, is included as extra work under the GE LTSA.

7
8 The PSM LTSA provides for full inspection, replacement, and repair coverage of
9 the combustion turbines. It also includes inspections only (not repairs) for the
10 compressors and combustion turbine generators. Needed repairs to compressors
11 and combustion turbine generators are not covered in the LTSA and are considered
12 extra work. The steam turbine and steam turbine generator at Higgins is not
13 included in this LTSA contract.

14
15 The PWPS LTSA is a flat fee annual contract and not based upon unit fired hours.
16 The PWPS LTSA provides for power turbine upgrades and repairs to all 24 of the
17 Clark Peaking units, warranty coverage from the first day the agreement is signed
18 that covers both unrepaired and repaired power turbines, no cost dedicated lease of
19 a single clockwise and single counterclockwise power turbine, no cost annual
20 borescope inspections. Work on the combustion turbines and generators is not
21 covered in the LTSA but is eligible for discounted rates.

22
23 All monthly, quarterly, annual, and milestone costs associated with the LTSAs are
24 allocated between maintenance expense and prepaid capital according to a
25 predetermined allocation. This expense to capital allocation ratio was determined
26 by examining each contract and estimating the value of the parts and services to be
27

provided over the life of the contract. These parts and services were then evaluated under the Company's Capitalization Policy to determine the appropriate classification between expense and capital. Invoices from the service provider are based on the actual operating hours of the units, and the maintenance portion of the invoice is booked directly as expense. The capital portion of the invoice is recorded to a prepaid account until an appropriate outage occurs and repairs are completed. At that point, the prepayment account is reduced, and, eventually, corresponding entries are made to Federal Energy Regulatory Commission Account 101 Electric Plant In Service.

Table Lescenski-Direct-4 below shows the accounting entries for a sample LTSA contract. At each outage, a journal entry is posted to transfer a portion of the prepaid capital balance to construction work in progress/plant in service. The transferred amount is based on a historical capital ratio (by outage type) and overall prepaid capital expected for the contract.

TABLE LESCENSKI-DIRECT-4

Example of Accounting Entries for a Sample LTSA Contract

Stated assumptions, including costs and contract scope, are for illustrative purposes only.				
Invoice Allocation				
Percent O&M	25%			
Percent Capital	75%			
Invoice Amount	\$ 500,000			
Accounting Entry				
	Debit	Credit		
Maintenance	\$ 125,000			
Prepaid Capital	\$ 375,000			
Accounts Payable / Cash		\$ 500,000		
	\$ 500,000	\$ 500,000		
Outage Allocation (of Prepaid Capital)				
Total Contract Capital Cost (forecast)	\$ 10,000,000			
Contract Outages	0 combustion inspections, 2 hot gas paths, 2 major inspections			
Outage Capitalization Factors	Outage Factors (weighting)	Outage Count	Contract Outage Factors	Cost per Outage
Combustion Inspections	1	0	0	\$ -
Hot Gas Path	2	2	4	\$ 2,000,000
Major Inspection	3	2	6	\$ 3,000,000
		4	10	
Cost per Outage Factor (Contract Capital Cost/Contract Outage Factor)		\$ 1,000,000		
Accounting Entry - Hot Gas Path				
	Debit	Credit		
Construction Work in Process / Plant in Service	\$ 2,000,000			
Prepaid Capital		\$ 2,000,000		
	\$ 2,000,000	\$ 2,000,000		

24. Q. PLEASE EXPLAIN HOW LTSA COSTS CLASSIFIED AS O&M
EXPENSES ARE INCLUDED IN THE VARIABLE OPERATING AND
MAINTENANCE (“VOM”) COSTS USED AS PART OF DETERMINING
UNIT JOINT DISPATCHING.

A. Maintenance costs for the generating plant equipment that are incurred by operating hour (e.g., the LTSA covered resources) are part of the dollars per hour commitment cost used by the optimization software that develops the hourly dispatch schedule. These costs are classified as commitment costs because they are incurred only when the unit is on, and therefore are not a function of load. Because they are “committed” (or sunk) once the unit is on, these maintenance costs are no longer utilized to determine the optimized operating load of the unit within the hour.

The optimization software utilized by the Company’s Resource Optimization group looks at commitment costs, variable consumable costs (dollars-per-megawatt-hour), and fuel costs when optimizing and scheduling the resources to meet system needs. The algorithms work to find the lowest cost solution over the optimization study period. Maintenance costs are utilized only in commitment decisions. In determining whether to start, stop, or keep a unit on-line, the minimum load commitment costs (which include maintenance, consumables, and fuel) are weighed against need. In almost all cases, fuel cost (not maintenance cost) has the largest influence on commitment decisions.

25. Q. PLEASE IDENTIFY THE SPECIFIC EXPENSES BY CATEGORY (INSPECTIONS, LABOR, PARTS, RENTALS, WATER TREATMENT, CATALYST REPLACEMENT, OTHER CHEMICAL, MAJOR OVERHAUL EXPENSES, VARIABLE OPERATING COSTS, ETC.) THAT ARE INCLUDED IN VOM RATES FOR GENERATING UNITS WITH LTSAS.

A. Incremental or variable expenses are those costs directly related to the start-up and operation of a unit. They can be event-based, hours-based, or megawatt-hour based. Each category of variable cost is described in more detail below. For hours-based metrics, a conversion to a megawatt-hour basis is required for input into the unit characterization table utilized by the Company's Resource Planning and Resource Optimization teams. Variable costs do not include maintenance labor (all normally scheduled labor is considered "fixed"). Some fuel handling costs may be considered variable.

The costs shown as fixed and variable costs are not necessarily budgeted costs. For low-capacity factor units, for example, the costs may be discounted, but care should be taken to avoid discounting units to the point that they are dispatched more, incurring more wear, altering their investment strategy.

Variable Start Costs - Variable start costs include consumables and any additional labor required to take a unit from a standby status to on-line. These are the incremental values of items identified in the service cost portion of fixed costs. Examples include the electricity to start pumps, fans, water consumption from circulating a cooling tower, etc. These items are presented as a consumable unit-per-start event. A commodities cost will then be applied to calculate a start cost.

For combustion turbine units that apply additional operating hours per start, the hourly based maintenance cost is also applied to a starting event cost as well.

Variable Load (Consumable) Costs - Variable load costs are the materials that are “consumed” (e.g., not recycled) during the electrical generation process. These items are provided by the plant on a unit per megawatt-hour basis. Examples include water, boiler chemicals, cooling tower chemicals, and emission control treatment chemicals. Where it is not possible to attribute incremental values to these costs, a linear assumption over the range of the unit’s operating span is substituted. In the case where actual data does not exist, reasonable engineering estimates can be used. The Company’s Finance and/or Supply Chain groups will provide a cost per unit metric to apply to certain commodities to this value in order to calculate a final variable cost metric.

Variable Maintenance Costs - Variable maintenance costs are considered a function of the wear and tear on the units, which are costs associated with actual use, and therefore, are considered “Variable Costs.” All maintenance costs (excluding Nevada Power’s staffed labor) associated with the actual use or operation of the plant are accounted for in the variable maintenance costs. For native load purposes, only maintenance expenses apply. For the Energy Imbalance Market, where it is possible that a unit could be dispatched to serve non-native load, a capital maintenance cost is also included. Capital costs are only those costs associated with replacement parts and systems for units that needed replacement due to wear and tear from actual operation. New equipment is excluded. Replacements due to non-operation or obsolescence are not included. Intervals are per OEM or industry standards. Outage costs are to be included. This includes,

without limitation: major overhauls, seasonal readiness outages, and hot gas path inspections. The only labor included in these costs should be additional labor overtime that was not built in as routine overtime for the plant, and contract labor hired specifically for the outage. All other labor falls under fixed O&M.

Regular maintenance spending is also included. This is the normal sustaining maintenance that occurs outside of an outage. This includes normal “in-service” repairs and maintenance spending that occurs while a unit is on-line or in a forced outage. This also includes contracted maintenance agreement charges based on operational hours or starts. It also includes regular maintenance that is booked to a common area/balance of plant account instead of to a specific unit (e.g., water treatment, fire water systems, compressed air systems, shared utilities, etc.).

Non-Variable “Fixed” Costs - All other expenses including Nevada Power staff labor, regular inspections, seasonal inspections, permit outages and similar activities are considered costs to maintain the capacity of the unit and are therefore treated as fixed costs.

26. Q. HAS THE METHODOLOGY FOR DETERMINING O&M COSTS OR THE CAPITAL/EXPENSE RATIO CHANGED SINCE THEY WERE LAST PROVIDED TO THE COMMISSION?

A. No. The methodology for costs and ratios presented and approved in Docket No. 15-03001 has not changed.

1 27. Q. HAS THE CAPITAL/EXPENSE RATIO CHANGED SINCE THE
2 PREVIOUS YEAR?

3 A. No. The capital to expense ratio for the LTSAs has not changed and will likely not
4 change until such time as those agreements are renegotiated.
5

6 28. Q. ARE ANY OF THE MATERIALS YOU ARE SPONSORING
7 CONFIDENTIAL?

8 A. Yes. Confidential information is presented in Technical Appendix 5.
9

10 29. Q. PLEASE DESCRIBE THE CONFIDENTIAL MATERIAL.

11 A. The confidential material includes the operating and maintenance costs utilized for
12 economic dispatching of the generating fleet. This information is commercially
13 sensitive and/or trade secret information that derives independent economic value
14 from not being generally known. This information is not known outside the
15 Companies and its distribution is limited within the Companies. Releasing this
16 highly sensitive information would disadvantage the Companies by limiting their
17 ability to foster competition among prospective suppliers, compromising the
18 Companies' negotiating position and reducing their bargaining leverage.
19 Publication of this information would unfairly advantage competing suppliers and
20 impair the Companies' ability to achieve the most favorable pricing and terms and
21 conditions from suppliers on behalf of their customers.
22

23 30. Q. FOR HOW LONG DOES NEVADA POWER REQUEST CONFIDENTIAL
24 TREATMENT?

25 A. The requested period for confidential treatment is for no less than five years.
26
27

1 31. Q. WILL CONFIDENTIAL TREATMENT IMPAIR THE ABILITY OF THE
2 COMMISSION'S REGULATORY OPERATIONS STAFF ("STAFF") OR
3 THE NEVADA ATTORNEY GENERAL'S BUREAU OF CONSUMER
4 PROTECTION ("BCP") TO PARTICIPATE IN THIS DOCKET?

5 A. No, in accordance with the accepted practice in Commission proceedings, the
6 confidential material will be provided to Staff and the BCP under standardized
7 protective agreements.
8

9 32. Q. PLEASE SUMMARIZE YOUR TESTIMONY FOR THE COMMISSION.

10 A. The Company operated and maintained its generating units in a reasonable and
11 appropriate manner. Moreover, the units were made available to serve the
12 Company's customers in a manner that is consistent and facilitated the efficient
13 dispatch of the units.
14

15 33. Q. DOES THIS CONCLUDE YOUR PREPARED DIRECT TESTIMONY?

16 A. Yes.
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EXHIBIT LESCENSKI-DIRECT-1

JOHN W. LESCENSKI
MANAGER, PLANT ENGINEERING AND TECHNICAL SERVICES

Currently Manager, Plant Engineering and Technical Services at NV Energy, responsibilities include generation fleet-wide asset strategy development, regulatory planning and analysis, technical support for new solar resource contracts, working to ensure the existing and future generation fleet of power plants meets the energy supply requirements of our customers.

Professional Experience

Joining Nevada Power (now NV Energy) in 1989 as an Engineer in Generation Engineering and Construction at the Reid Gardner Power Plant, progressing to Manager for strategy planning for integrating business planning with power plant operations, in conjunction as primary witness for Generation issues in regulatory filings of the Integrated Resource Planning, Depreciation Cases, and General Rate Cases. Leading development of 10-year Business Plans for all generating plants in the fleet, leading plant repowering/retirement analysis and providing input to Resource Planning for alternative analysis. Responsible for strategic assessments of NV Energy's generation fleet through plant condition assessments and long term life span analysis.

- Primary point of contact for regulatory filings for generation issues: testimony, narrative, data request, witness, witness support
- Technical Support for Renewable PPA contract RFPs and renewable project development
- Technical Support for Solar PPA contract compliance with Energy Contract Management
- Successfully completed the \$54 million Nellis Solar PV2 project, installing a 15MW photovoltaic station on a closed landfill on the Nellis Air Force Base. Responsible as project manager from contracting and construction management through startup
- Successfully completed the \$16 million King's Beach Power Plant replacement, responsible for the project from inception through start-up
- Lead early efforts in the development of the Ely Energy Center project
- Lead the study of the Valmy expansion alternatives
- Spearheaded the resource planning efforts for the retirement and decommissioning of the Clark Units 1-3 and their replacement with the new 600 MW Clark Peaking Plant.
- Coordinated with Environmental Services on the air permit application and permitting for the contemporaneous change for the Clark Peaker Project
- Coordinated the Reid Gardner emissions alternative analysis and resource planning approval and supported the regulatory filings for emissions upgrades and the eventual retirement
- Developed Life-Span Analysis Process (LSAP) to guide the decision making for determining the remaining economic useful life of a generating unit and reinvestment decisions to continue operations. This Process is now relied upon by the Public Service Commission of Nevada.
- Project Engineer for the Harry Allen Unit 4 simple cycle 7EA combustion turbine expansion project, supporting resource plan application/approval through turbine purchase and EPC bidding and contracting
- Lead technical analyst for the generation business services department, providing services as lead Owner/user inspector and subject matter expert supporting the Clark and Reid Gardner Plant Engineering Staff.

Education

Master of Arts in Economics – University of Nevada, Las Vegas • 2019

Professional Paper: Econometric Analysis of the Effect of Deregulation on Retail Energy Prices

Graduate Certificate in Post-Secondary Teaching – University of Nevada, Las Vegas • 2019

Graduate Certification in Renewable Energy – University of Nevada, Reno • 2013

Master of Business Administration – University of Nevada, Las Vegas • 1996

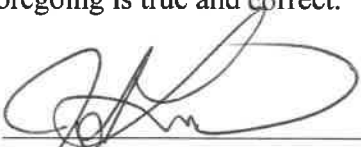
Bachelor of Science in Mechanical Engineering – University of Southern California • 1989

AFFIRMATION

Pursuant to the requirements of NRS 53.045 and NAC 703.710, JOHN LESCENSKI, states that he is the person identified in the foregoing prepared testimony and/or exhibits; that such testimony and/or exhibits were prepared by or under the direction of said person; that the answers and/or information appearing therein are true to the best of his knowledge and belief; and that if asked the questions appearing therein, his answers thereto would, under oath, be the same.

I declare under penalty of perjury that the foregoing is true and correct.

Date: March 1, 2024



JOHN LESCENSKI

SAUNDRA MASSIC

BEFORE THE PUBLIC UTILITIES COMMISSION OF NEVADA

Nevada Power Company d/b/a NV Energy
Docket No. 24-03____
2024 Deferred Energy Proceeding
Prepared Direct Testimony of

Saundra Massic

**1. Q. PLEASE STATE YOUR NAME, OCCUPATION, BUSINESS ADDRESS
AND PARTY FOR WHOM YOU ARE FILING TESTIMONY.**

A. My name is Saundra Massic. My current position is Director, Customer Contact for Nevada Power Company d/b/a NV Energy (“Nevada Power” or the “Company”) and Sierra Pacific Power Company d/b/a NV Energy (“Sierra” and, together with Nevada Power, the “Companies”). My business address is 6226 West Sahara Avenue, Las Vegas, Nevada. I am filing testimony on behalf of Nevada Power.

**2. Q. PLEASE DESCRIBE YOUR PROFESSIONAL BACKGROUND AND
EXPERIENCE.**

A. I have more than 15 years of experience in customer operations with approximately 35 years at the Companies. **Exhibit Massic-Direct-1** provides a more detailed description of my background and industry experience.

3. Q. WHAT ARE YOUR DUTIES IN YOUR CURRENT POSITION?

A. My responsibilities as Director, Customer Contact include ensuring compliance for customer contact and operations programs, providing subject matter expertise that enhances value and reduces risk to customers as well as participating in the management of special programs, such as the Expanded Solar Access Program (“ESAP”).

1 4. Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THE PUBLIC
2 UTILITIES COMMISSION OF NEVADA (“COMMISSION”)?

3 A. Yes. I previously provided testimony in the Companies’ 2023 deferred energy
4 proceedings in Docket Nos. 23-03005 and 23-03006.
5

6 5. Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?

7 A. The purpose of my testimony is to sponsor the recovery of the costs incurred in
8 2023 for the ESAP.
9

10 6. Q. ARE YOU SPONSORING ANY EXHIBITS?

11 A. Yes. I am sponsoring the following Exhibits:

12 **Exhibit Massic -Direct-1** Statement of Qualifications
13

14 7. Q. WHAT IS THE PURPOSE OF THE ESAP?

15 A. Assembly Bill 465 passed by the 2019 Nevada Legislature (“AB465”), codified as
16 NRS § 704.7985, requires the Companies to offer certain residential and non-
17 residential customers the opportunity to have their electric consumption be derived
18 from a mix of utility-scale and community based solar resources, without requiring
19 such customers to install physical solar systems on their properties. AB465 also
20 provides for broadened access to solar energy, with an ESAP rate that provides
21 participating low-income residential customers with a lower rate for their energy.
22 The Commission adopted regulations in Docket No. 19-06028, which were
23 approved by the Legislative Counsel Bureau (“LCB”) in LCB File No. R136-20.
24

25 The Companies filed their first ESAP plan in Docket No. 20-12003, which was
26 approved by the Commission in its order issued on June 29, 2021. Upon approval
27

of the ESAP plan, the Companies began implementing the ESAP in 2021, which included customer enrollment, community based solar resource (“CBSR”) site selection and the completion of the first CBSR at Mojave High School.

8. Q. PLEASE DESCRIBE THE ENROLLMENT TIMELINE AND THE RESULTING ENROLLMENT IN ESAP.

A. The ESAP customer enrollment period was held between September 1, 2023, and October 31, 2023. The Companies finalized processing applications on December 12, 2023. For Nevada Power and Sierra, the Companies received a total of 9,370 applications. The breakdown of the applications is provided below in **Table Massic-Direct-1**.

Table Massic-Direct-1 Application Submittal Results				
Service Territory	Total Applications	Eligible	Deficient	Denied / Withdrawn
Nevada Power	7,670	6,415	388	867
Sierra	1,700	1,463	50	187

The Companies are filing their 2024 ESAP Informational Report concurrent with this application, which provides additional information on customer enrollment.

9. Q. PLEASE DESCRIBE THE PROPOSED BUDGET THAT WAS APPROVED FOR ESAP.

A. In the Companies’ joint application for approval of the ESAP Implementation Plan, filed December 1, 2020, Docket No. 20-12003, the Companies acknowledged that

costs to implement ESAP were unknown but were based on cost estimates from other programs, such as the clean energy programs, that the Companies then currently operated. The ESAP Implementation Plan provided for a proposed total annual budget of \$1,195,000, which was divided among several categories with a 60/40 percent allocation methodology between Nevada Power and Sierra, respectively. In the order in Docket No. 20-12003, the Commission approved the Companies' initial budget, with the understanding that the Companies must still show that the expenditures made were prudent.

10. Q. WHAT WERE THE ACTUAL COSTS THE COMPANIES INCURRED IN 2023 FOR THE IMPLEMENTATION OF ESAP?

A. The 2023 actual costs, which exclude carry, incurred for the implementation of ESAP between January 1, 2023, and December 31, 2023, totaled \$250,384.88. This total was composed of costs associated with ESAP application processing and ESAP marketing and outreach. The 2023 expenses are summarized in **Table Massic-Direct-2** below:

**Table Massic-Direct-2
2023 ESAP Costs**

Cost Category	Costs
<i>Application Processing</i>	<i>Amount</i>
• Active TeleSource	• \$59,076.71
• Las Vegas Pre-sort	• \$1,037.36
<i>Program Marketing & Outreach</i>	
• R & R Partners Inc	• \$185,979.51
• Elite Branded Gear	• \$3,406.21
• Vitral LLC	• \$401.00
• Staples Inc	• \$313.10
• Pacific Office Automation	• \$150.85
• American Color Systems	• \$20.14
Total Costs	\$250,384.88

11. Q. **WHAT ARE NEVADA POWER AND SIERRA'S ALLOCATIONS FOR THE 2023 ESAP COSTS?**

A. Nevada Power's total cost allocation is \$ 147,004.59 of which \$33,114.60 was utilized for application processing, and \$113,889.99 was utilized for program marketing and outreach. Sierra's total cost allocation is \$103,380.29 of which \$26,999.47 was utilized for application processing, and \$76,380.82 was utilized for program marketing and outreach.

12. Q. **PLEASE SUMMARIZE WHAT THE ESAP APPLICATION PROCESSING COSTS INCLUDED.**

A. The Companies utilized an external vendor to process ESAP applications. Active TeleSource provided up to eight full-time equivalent team members for a total cost of \$59,076.71. In addition, total costs for pre-sort and mailing services were \$1,037.36.

13. Q. **PLEASE SUMMARIZE THE ESAP MARKETING AND OUTREACH COSTS INCURRED.**

A. The Companies commenced community outreach for ESAP on July 22, 2023. The outreach included a specific webpage on the Companies' website that outlined details and timelines. This did not incur costs as it was created and generated by the Companies' internal Corporate Communications team. Due to no incremental costs being approved by Commission for the implementation of ESAP, the direct email blasts that were conducted during the enrollment period were also completed by the Corporate Communications team within normal operations, and therefore, incurred minimal costs for bilingual translation services. Additionally, the Companies conducted multiple in-person outreach events that included but was not limited to

senior expos/centers, health services organizations, family resource centers, community resource fairs, food pantries, Nevada Latino Research Center, Western Industrial Nevada, Western Regional Minority Supplier Development Council, Nevada counties, and non-profits such as United Way, Asian Community Development Council, etc.

Costs were incurred for the marketing products and media plan provided by R&R Partners, Inc. and Elite Branded Gear. The marketing products included social media campaigning on Facebook and Instagram, multiple billboard coverage, bus shelter advertisements, newspaper advertisements, radio communication spots, and document holders. This media plan continued advertisements through the end of customer enrollment, which was October 31, 2023.

14. Q. PLEASE DESCRIBE THE BUDGET THAT WAS PROVIDED IN DOCKET NO. 20-12003 TO THE COMMISSION VERSUS THE ACTUAL COSTS INCURRED.

A. There is a significant cost difference between the proposed annual budget presented in the Companies' joint application for approval of the ESAP Implementation Plan, filed December 1, 2020, Docket No. 20-12003, and the actual costs incurred in 2023. As previously noted, the Companies received preliminary approval of a \$1,195,000 initial annual budget, but only incurred costs of \$250,384.88 in 2023; a difference of \$944,615.12.

A key component to the cost difference is that internal Company resources were utilized for customer-friendly process enhancements, which included but was not limited to addition of online application along with a feature to upload supporting

documentation that could be submitted directly to the Companies. For customers enrolled in MyAccount, the application encompassed an auto-populate feature with key customer information such as name, address, account number, etc. Also, internal employees and resources were used to supplement vendor support of application processing, training, customer education outreach, and overall program administration. Since none of the above aforementioned items are considered, incremental costs therefore were not charged to the ESAP regulatory asset.

15. Q. ARE CAPITAL COSTS FROM ESAP ALSO INCLUDED FOR RECOVERY IN THIS APPLICATION?

A. Yes. Capital costs including depreciation and return on community based solar resources are included with the program costs within the ESAP rate calculation. Please refer to **Exhibit N** of the Company's Application, supported by Brian Ahlstedt.

16. Q. DO YOU BELIEVE THE EXPENSES COVERED BY YOUR TESTIMONY WERE PRUDENT?

A. Yes. When the Legislature passed AB465 in 2019 it intended to offer an expanded solar access program to low-income customers, disadvantaged businesses, and eligible premise customers. Through the third year of implementing the ESAP plan, the Companies have enrolled 7,878 customers. The Companies have spent considerable time and resources prudently executing ESAP Plan, well within the budget that was approved in Docket No. 20-12003.

17. Q. DOES THIS CONCLUDE YOUR PREPARED DIRECT TESTIMONY?

A. Yes.

EXHIBIT MASSIC-DIRECT-1

SAUNDRA MASSIC

Statement of Qualifications

Exhibit Massic Direct 1
Page 1 of 2

WORK EXPERIENCE

Proven professional with over 35 years of experience in project management, business case development, health & welfare programs, policy development, benchmarking, and engaging in external facing functions with customers, third parties, to include suppliers, vendors, and the Public Utilities Commission of Nevada.

NV Energy, Reno, Nevada

2007 – Present

Director, Customer Contact / Senior Project Manager, Customer Operations

- Successfully direct customer contact areas thus driving favorable performance results for call centers, walk-in facilities, and general contact channels
- Increased overall customer participation in second year of Expanded Solar Access Program (ESAP) by 220% and over 420% for the eligible premise category
- Design, map, and implement comprehensive series of eight control points across multiple divisions that include New Business, Legal, Accounting, & Customer Operations to address complexities of government franchise taxes and annexations
- Effectively analyze and prepare response for deposit-related investigatory docket
- Successfully lead team of twenty-one employees to produce timely and accurate processing of bills while ensuring compliance with regulatory and rate change requisites along with providing world class customer service
- Effectively manage transition of in-house inactive collection activity to outsource business model in expedited timeframe by facilitating RFP process while negotiating favorable collection rate that was the lowest in company history and among utilities nationwide
- Business case development for NV Energy South Peak Workforce Staffing, NV Energy North Automated Service Order, and California Conversion
- Led contract pricing negotiations as well as development and implementation of credit-related, South & North Energy Expos and NV Energize Outbound Calling projects involving CIS, Corporate Communications, Legal, Corporate Contracting, T&D Systems, external vendor, and IT Infrastructure Services
- Facilitated NV Energy North's first year participation in EEI/AGA survey thus helping benchmark both companies' performance against other utilities to identify best practices
- Benchmarked credit and collection practices to determine NVE's point-of-reference range on net write-off, customer validation, outbound calling, business office, calls handled ratio per customer base etc.
- Led successful resolution of North electric meter tracking to ensure Sarbanes Oxley-related compliance while effectively partnering with Distribution Operations, Supply Chain and EMO team members

1998 – 2006

Senior Consultant, HR Planning & Quality Assurance

- Project management of Open Enrollment (OE) program that included implementation of a flawless IVR system enrollment on part of NVE in half the time of a normal OE planning season while implementing complex provider changes. Additionally drove cost reductions by eliminating flex pricing resulting in shifting costs
- Maintained collaborative relationships with BU1245 and BU396 concerning benefit programs, issue resolutions with focus and dialogue aimed at producing positive results by conducting health plan rate and plan document reviews with both unions
- Performed analysis and provided recommendations for System Control negotiations on health, welfare, leave/PTO, and disability programs
- Vendor management of complex technical operating issues such as HIPAA assistance, case management etc.

- Planning & implementation of HIPAA Privacy Regulations to include process development, training, participant communication, document management set-up to administer claims and business associate agreements
- Ensured compliance for multiple health plan documents

1992 – 1997

Senior/Budget Analyst

- Development and implementation of two budget systems
- Automated monthly financial and performance reports
- Prepared capital forecasts, analyses, and interpretation of forecast results
- Monitored project allocations to ensure proper clearing of costs
- Gathered, analyzed, tracked and reported functional area costs, budgets, variances, operational, and performance statistics for management and regulatory agencies

1988 - 1991

Accounting System Analyst / Student Intern

- Conducted high-level needs analysis, prepared associated business requirement specifications, designed, planned, tested and implemented modifications and enhancements to financial and accounting systems
- Ensured system control points were adequate for compliance requirements as related to accounting and financial systems to produce accurate information on a timely basis
- System advisor to the organization for financial and accounting systems

Education

University of Nevada, Reno

Bachelor of Science, Business Administration

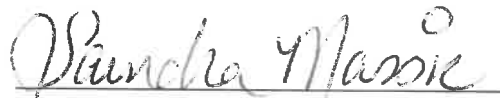
Emphasis in Accounting & Computer Information Systems

AFFIRMATION

Pursuant to the requirements of NRS 53.045 and NAC 703.710, SAUNDRA MASSIC, states that she is the person identified in the foregoing prepared testimony and/or exhibits; that such testimony and/or exhibits were prepared by or under the direction of said person; that the answers and/or information appearing therein are true to the best of her knowledge and belief; and that if asked the questions appearing therein, her answers thereto would, under oath, be the same.

I declare under penalty of perjury that the foregoing is true and correct.

Date: March 1, 2024


SAUNDRA MASSIC