



**COUNT ON US** 2018  
CORPORATE SOCIAL RESPONSIBILITY REPORT







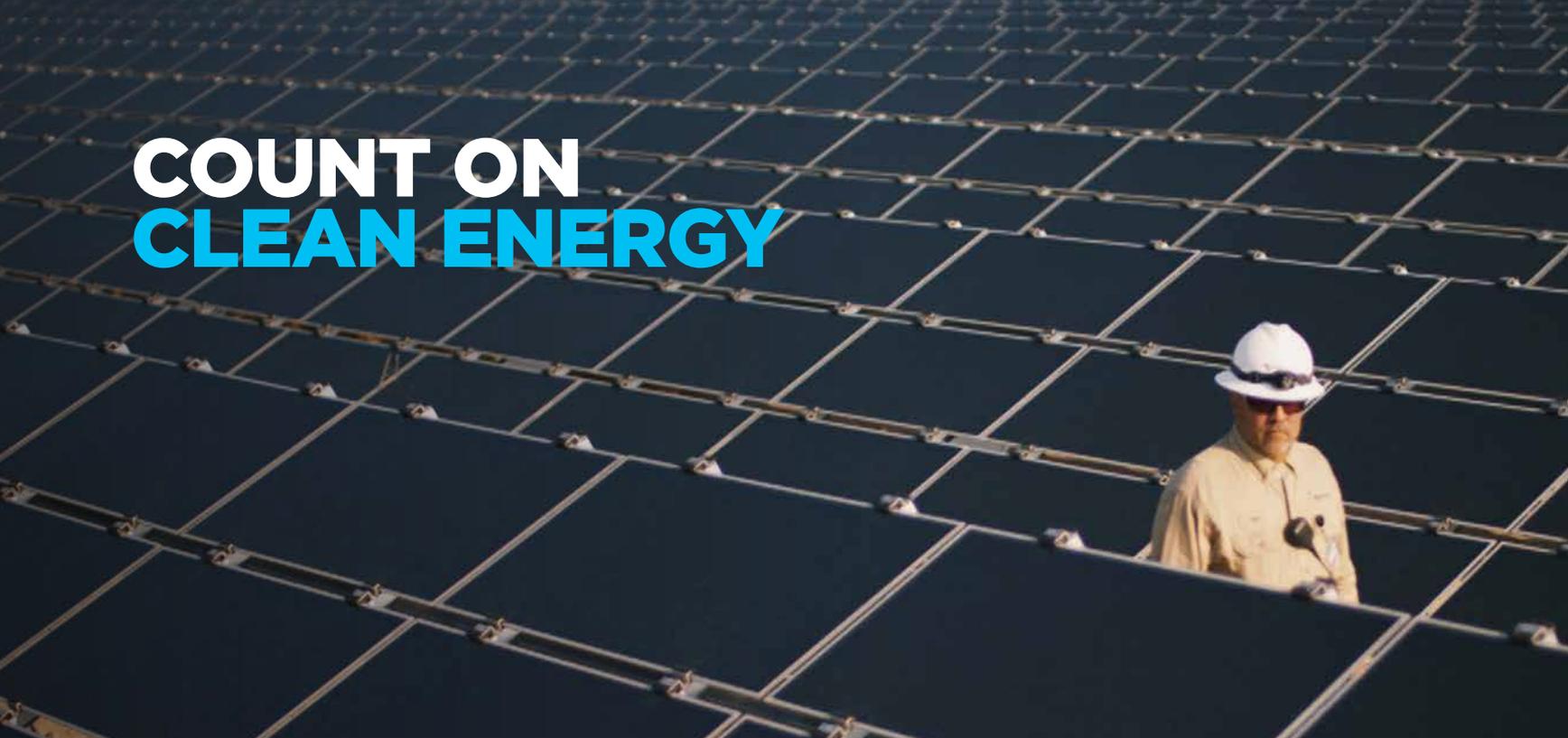
My 2,400 colleagues and I are dedicated to powering what's important to you - all in a way that's good for our customers, our company, our environment and the state of Nevada. While our standards are high, our rates will remain low. As you'll read in these pages, our focus on the future includes a commitment to renewables, environmental stewardship and community collaboration that isn't just meeting standards - it is leading the way. And you can count on us to deliver more than just your power - you can count on the company who brings it to you.

We'll continue to work hard to deliver the energy service you expect. That's our promise. You can count on it.

Sincerely,

Doug Cannon  
NV Energy President and  
Chief Executive Officer

# COUNT ON CLEAN ENERGY



## DELIVERING ON A PROMISE

We made a commitment to double our renewable energy by 2023 — and we are delivering on that promise. In December 2018, the Public Utilities Commission of Nevada approved our proposal for the state's largest-ever solar energy investment — six new solar energy resources totaling more than 1,000 megawatts, and for the first time, 100 megawatts of battery energy capacity. These resources were the cheapest in the country at the time they were contracted, meaning we can utilize our state's abundant green energy resources without raising the price you pay for energy.

These six projects will be added to NV Energy's current portfolio of 50 geothermal, solar, hydro, wind, biomass and supported rooftop solar projects — bringing NV Energy's total renewable energy portfolio to more than 3.2 gigawatts of renewable energy in Nevada.

*These six statewide projects represent a direct investment of greater than \$2 billion in Nevada's economy and will add approximately 80 new, long-term jobs in the state.*



*This rendering illustrates what large-scale batteries will look like when built.*



*Our commitment to renewables isn't just meeting standards — it's leading the way... we've set a long-term goal of serving our customers with 100 percent renewable energy.*

## **EXCEEDING EXPECTATIONS**

In 2018, NV Energy exceeded Nevada's renewable portfolio standard for the ninth straight year. While the state standard calls for 20 percent of our energy to come from renewable resources, NV Energy delivered 24.2 percent.

# SOLAR SUCCESS

In 2018, the customer-funded Solar Incentives program helped 5,885 customers install rooftop solar systems on homes, business and schools. This program, established in 2003, has met its intent to foster the development of rooftop solar in Nevada - having helped more than 28,000 homes, businesses and public entities install private solar systems that generate 232 megawatts of clean energy that benefits all NV Energy customers.



## SPREADING SUNSHINE

The Lower Income Solar Energy Program (LISEP) is just one example of how NV Energy is leading our state's commitment to a sustainable energy future for all our customers. LISEP is a joint effort of NV Energy and the Nevada Governor's Office of Energy (NGOE) that offers incentives for solar photovoltaic (PV) systems to organizations that serve lower-income populations.

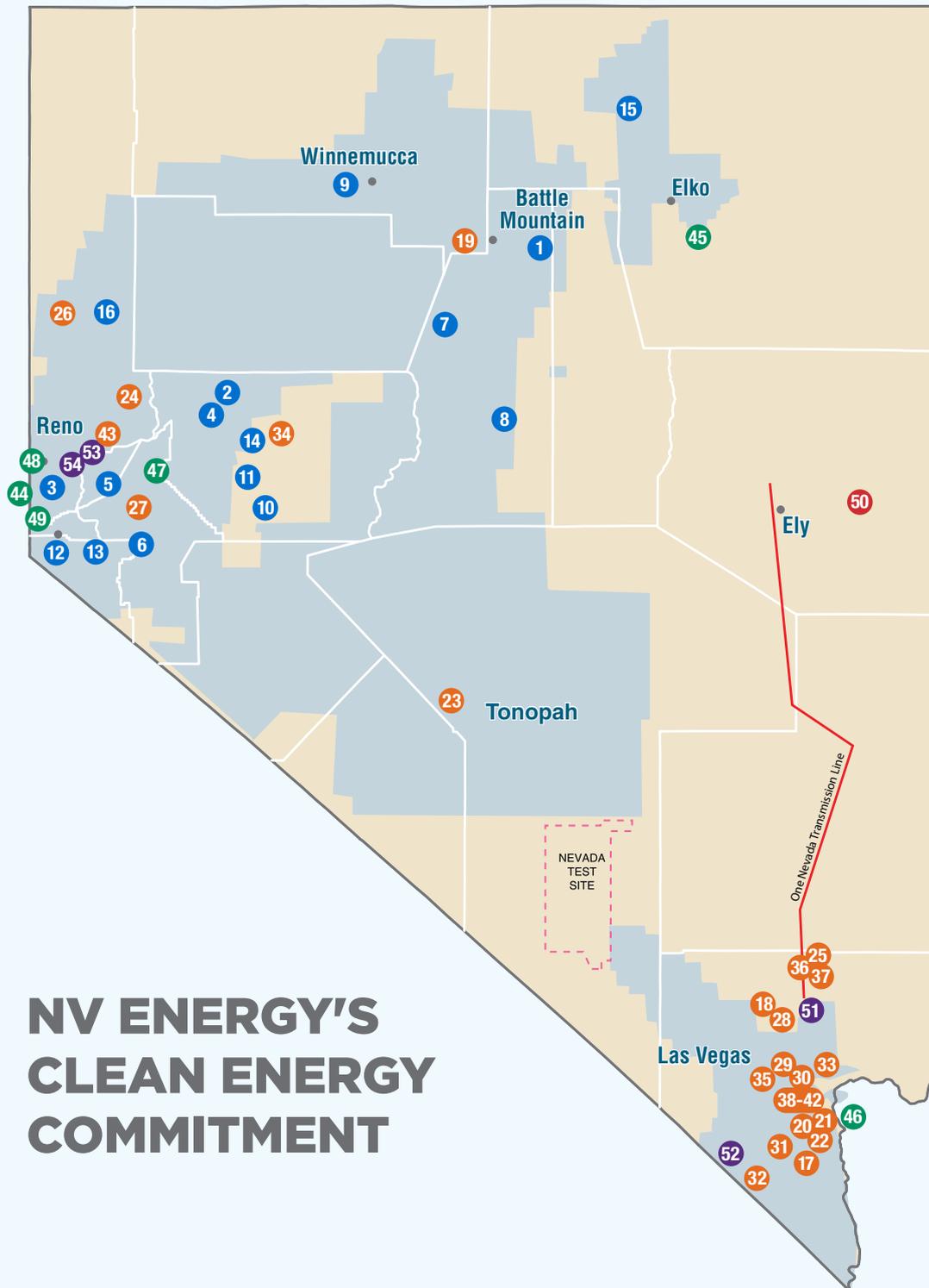
The program was originally created in 2013 as a pilot program through Assembly Bill 428 and was made permanent with Senate Bill 145 in 2017. Phase 1 of the program provided solar systems for eight lower-income Title I schools and was completed in 2016. The second phase focused on nonprofit organizations that served lower-income families and was completed in 2017. Phase 3 continues to provide incentives to those organizations that will benefit Nevadans in most need of assistance. Phase 4 is a further continuation of phase 3, targeting primarily the low-income housing industry where the benefits of the solar systems are directly assisting the lower-income families they serve. Phases 3 and 4 will be completed in 2019.

### 2018 Program Milestones:

- Received 55 LISEP applications with 51 receiving an incentive reservation
- Seven projects were completed totaling 485 kilowatts of installed capacity
- The seven projects received a total of \$826,799 in NV Energy incentives and \$97,054 in NGOE incentives



# NV ENERGY'S CLEAN ENERGY COMMITMENT



## RENEWABLE ENERGY PROJECTS

NAMEPLATE MEGAWATTS AC

### ● GEOTHERMAL

1 Beowawe Power.....	17.7
2 Brady .....	24.0
3 Burdette .....	26.0
4 Desert Peak 2.....	25.0
5 Galena 3.....	26.5
6 Homestretch.....	5.6
7 Jersey Valley .....	22.5
8 McGinness Hills.....	96.0
9 NGP Blue Mountain.....	49.5
10 Salt Wells .....	23.6
11 Soda Lake 2.....	19.5
12 Steamboat 2.....	13.4
13 Steamboat 3.....	13.4
14 Stillwater Geothermal.....	47.2
15 Tuscarora.....	32.0
16 USG San Emidio.....	11.8

### ● SOLAR

17 ACE Searchlight Solar.....	17.5
18 Apex Nevada Solar .....	20.0
19 Battle Mountain Solar (25 MW Battery)*.....	101.0
20 Boulder Solar I.....	100.0
21 Boulder Solar II .....	50.0
22 Copper Mountain Solar 5*.....	250.0
23 Crescent Dunes Solar.....	110.0
24 Dodge Flat Solar (50 MW Battery)*.....	200.0
25 Eagle Shadow Mountain Solar*.....	300.0
26 Fish Springs Ranch Solar (25 MW Battery)*.....	100.0
27 Fort Churchill Solar Array.....	19.5
28 Mountain View Solar.....	20.0
29 Nellis 1 (Solar Star)**.....	13.2
30 Nellis Solar Array 2 .....	15.0
31 Nevada Solar One.....	69.0
32 Silver State Solar North.....	52.0
33 Spectrum Nevada Solar.....	30.0
34 Stillwater Solar PV.....	22.0
35 SunPower (Las Vegas Valley Water District)*.....	3.0
36 Switch Station 1 .....	100.0
37 Switch Station 2 .....	79.0
38 Techren Solar 1*.....	100.0
39 Techren Solar 2*.....	200.0
40 Techren Solar 3*.....	25.0
41 Techren Solar 4*.....	25.0
42 Techren Solar 5*.....	50.0
43 Turquoise Solar*.....	50.0

\* In development or under construction.

\*\* Portfolio credits only.

## RENEWABLE ENERGY PROJECTS

NAMEPLATE MEGAWATTS AC

### ● HYDRO

44 Fleish (TMWA) .....	2.4
45 Frank Hooper.....	0.8
46 Hoover Dam (Excluded from Renewable Portfolio Standard).....	237.6
47 New Lahontan (TCID).....	4.0
48 Verdi (TWMA).....	2.4
49 Washoe (TWMA).....	2.5

### ● WIND

50 Spring Valley Wind .....	151.8
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### ● BIOMASS / METHANE / OTHER

51 Apex Landfill Renewable Energy.....	12.0
52 Goodsprings Energy Recovery Station.....	7.5
53 Lockwood Renewable Energy Facility.....	3.2
54 Truckee Meadows Water Reclamation Facility**.....	0.8

### RENEWABLEGENERATIONS PROJECTS (Statewide)

Total Incentivized Private Rooftop Solar, etc. .... 222.7

**Total NV Energy  
Clean Energy Resources (MW).....3,222.6**

## ENERGY EFFICIENCY

2018 Peak Demand Reduction Capacity  
Statewide .....

277 MW

Cumulative Energy Savings  
Statewide .....

3,508,939 MWh

Calculated for Years 2005 through 2018

# COUNT ON SUSTAINABILITY

From eliminating coal generation and ensuring that sensitive plants and animals are not impacted by our operations to reducing water use and going paperless in our offices – NV Energy’s work to protect the environment extends to all aspects of our business.

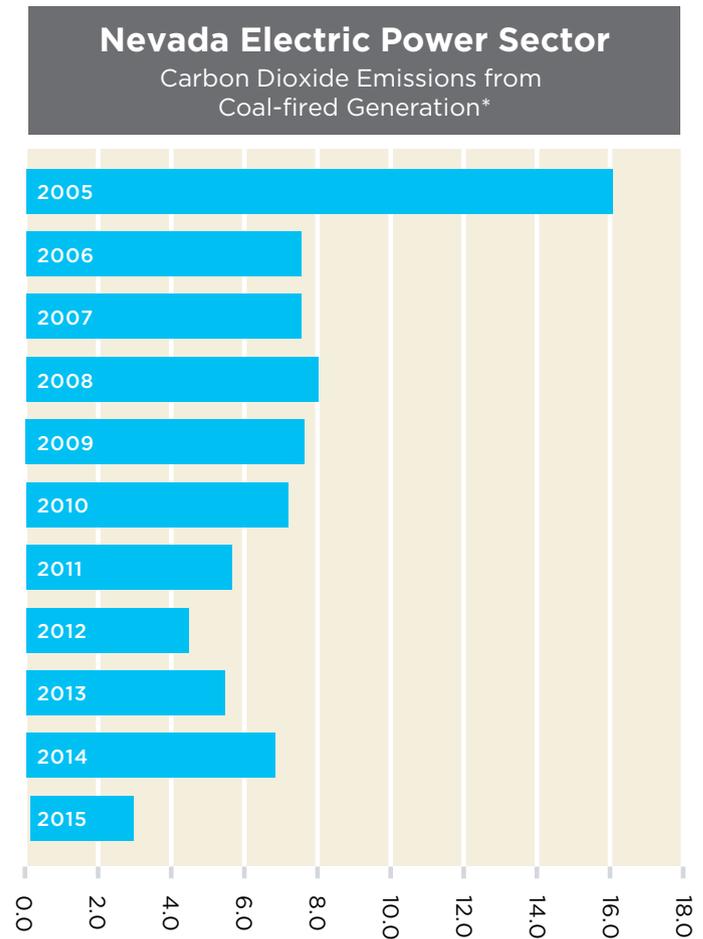
## SAYING NO TO COAL

Nevada is a leader when it comes to reducing carbon emissions within the electric industry and, more specifically, when it comes to carbon emissions from coal-fired generating facilities. Between 2005 and 2015, Nevada reduced carbon emissions from the electric industry by 44 percent. According to the U.S. Energy Information Administration, our state had an 85 percent reduction in carbon emissions from coal in the electric sector over that same period.

**Water Conservation:** Water is a precious resource, especially in the desert of Nevada. Many of NV Energy’s highly efficient natural gas generating stations utilize dry-cooling systems that enable the combined-cycle plant to use a mere 7 percent of water used by conventional water-cooled facilities, with a slight reduction in power output.

## REID GARDNER GENERATING STATION

That progress continues with the 2017 closure and current decommissioning of NV Energy’s only southern Nevada coal plant, the 557-megawatt Reid Gardner Generating Station. The demolition contractor began work to remove the plant in early 2018, including all environmental abatement efforts, demolition of plant structures, and removal of underground foundations. Because the plant structures are made of steel and similar materials, the majority of the demolition materials can be recycled. Demolition and dismantlement work is expected to be complete by early 2019, with full-site environmental remediation ongoing.



\*U.S. Energy Information Administration

The demolition team also takes great care to ensure the work does not disturb wildlife in the area of the plant. As part of our Wildlife Compliance and Mitigation Plan, the project workers received information and guidance on the laws and regulations concerning key species such as desert tortoises, Gila monsters and migratory birds that may be encountered during demolition activities.

## LOOKING AHEAD

NV Energy will eliminate coal generation in southern Nevada when it exits its ownership in the Navajo Generating Station at the end of 2019. The Public Utilities Commission of Nevada approved NV Energy's

2018 Integrated Resource Plan, which calls for the early retirement of NV Energy's North Valmy Generating Station coal-fired unit 1 in northern Nevada by 2021. NV Energy is thoroughly analyzing all options to mitigate reliability and cost impacts. NV Energy expects to retire or divest 100 percent of its coal generation with the closure of Valmy coal-fired unit 2 by the end of 2025.

*Since demolition of the Reid Gardner Generating Station began, 26,274,700 pounds of metal has been recycled or repurposed.*



*Former holding ponds were cleaned out and re-contoured to fit into the landscape as a decommissioning step at Reid Gardner.*

*Reid Gardner Generating Station  
early 2018*



# REDUCE AND REUSE

Improvements made to our distribution service in the Virginia City Highlands area of northern Nevada turned into a win-win for the company and the community. The upgrades to our system required the removal of multiple wooden power poles. Rather than dispose of the poles, which takes time and money, NV Energy donated them to the Storey County School District. The poles will be used on Virginia City High School athletic fields as fencing, structural supports for netting in foul ball territory and possibly for a batting cage.



**Going Paperless:** We implemented operational efficiencies in 2018 to reduce the amount of paper we used. Our new “Print While Present” program has reduced our paper usage by 23,000 pounds.

## TORTOISE TIME

NV Energy welcomed a new addition to its family – a desert tortoise adopted through the Tortoise Group. NV Energy held an employee contest to choose his name, Wattson. Wattson is under the careful care of our on-staff environmental scientists and he has helped educate employees about his species. Our support of the Tortoise Group and their mission to protect desert tortoises is an extension of our own commitment to be great stewards of the environment.



## PROTECTING PLANTS AND ANIMALS

Our team of environmental scientists take great pride in ensuring that our operations do not harm the sensitive plants and animals who share our space. Prior to any new project we develop, site surveys are conducted to identify natural resources such as protected animals and plants as well as historic and prehistoric artifacts. If the sensitive resources can't be avoided, then we work to carefully move the animals or plants out of harm's way. A desert tortoise tracking program is currently monitoring five tortoises in an area of future development. These tortoise will be relocated before construction begins. For a recent pole replacement project, several cactus and yucca were carefully transplanted prior to construction to a place where they will continue to flourish.



**Avian Protection:** We spend nearly \$1 million a year on a robust avian protection plan designed to support the health of endangered and migratory birds. Our current standards require that any new line construction, rebuild or repair include elements to protect birds.



# CHARGING FORWARD

NV Energy has played a key role in building electric vehicle (EV) charging station infrastructure throughout Nevada for the past several years, and in 2018, rolled out additional incentives to help develop key charging station locations and increase EV use. These include:

- Workplace Charging Incentives
- Multi-family Home Charging Incentives
- Fleet Electrification Incentives
- Custom Grant Program

Additionally, working in partnership with the Governor's Office of Energy (NGOE), NV Energy continued to develop the Nevada Electric Highway. The Nevada Electric Highway (NEH) seeks to expand the state's EV charging infrastructure by placing charging stations at cost-effective and strategic locations. Phase I saw chargers installed along U.S. 95 between Reno and Las Vegas. For Phase II, the NGOE is partnering with a number of electric utilities, including NV Energy, to complete the EV charging infrastructure deployment on the State's remaining major interstate and highway corridors including I-15, I-80, U.S. 93, and U.S. 50, and the remainder of U.S. 95.

These programs were approved by the Nevada Legislature in 2017.



nevada  
Electric Highway



## BE OUR GUEST (DRIVER)

We put hundreds of our customers behind the wheel at special Electric Vehicle (EV) Guest Drive events in both Las Vegas and Reno. Our customers experienced first-hand the benefits of driving an EV – and drove some of the most popular models available. The educational demonstrations featured a wide variety of electric cars including the Tesla Model 3, Model S and Model X, Chevrolet Bolt and Volt, and EVs produced by BMW, Nissan, Mitsubishi and other automakers.

Benefits of EVs include improved air quality and lower costs related to fuel and maintenance. NV Energy offers a special Electric Vehicle Time-of-Use Rate (TOU) for its EV customers. The discounted rate applies during NV Energy's off-peak hours between 10:01 p.m. and 8 a.m. As an added benefit, the discounted rate applies to all of the energy used at a house or apartment during that period of time.

*PowerShift by NV Energy rolled out new tools and incentives to make it easy to drive electric in Nevada. This includes our Electric Vehicle Comparison Tool, which gives customers the information they need to make an informed decision when buying an EV.*



# COUNT ON POWERSHIFT

## THE POWER OF ENERGY EFFICIENCY

At PowerShift by NV Energy, we love saving our customers energy and money.

That is why we focus on delivering innovative, energy efficiency products and services to homes and businesses that increase the level of comfort for living spaces and workplaces, while helping customers boost their bottom line.

In 2018, residential and commercial customers saved nearly 314,000 megawatt-hours of electricity, enough to power more than about 32,000 homes for a year by using PowerShift products and services.

## SMART THERMOSTAT

PowerShift offers customers free, professionally installed smart thermostats that bring the latest energy management technology to their front door or business, while allowing them to set heating and cooling schedules and monitor their usage 24/7.



Savings increase when customers participate in community energy events between June and September, which helped NV Energy reduce the overall amount of power it needs to supply during times of peak energy use.

In 2018, 53,000 customers participated in the smart thermostat service. Seventy-seven community energy events were held that resulted in over 150 megawatts of demand savings and more than \$10 million in reduced energy costs.

With on-going participation, the PowerShift smart thermostat service remains the largest residential two-way demand response system of its kind in the country.

## BUSINESS ENERGY SERVICES

Businesses throughout Nevada partnered with PowerShift to save big during 2018 with incentives and expert advice about how to make their facilities more energy efficient. Throughout the state, more than 1,500 projects were completed saving 173 megawatt-hours of electricity, enough to power 13,000 homes for a year. This partnership continues to bring businesses and energy savings together.



## IN-HOME ENERGY ASSESSMENT

With one conveniently scheduled appointment, 13,000 customers took advantage of a free In-Home Energy Assessment last year. The assessment includes an inspection of the home's insulation, appliances, seals around doors and windows, lighting and other features. Following this review, a PowerShift Energy Advisor provides tips about how to increase energy efficiency and save money and installs free energy-saving products including air filters, refrigerator temperature monitors, LED lighting and more.



## ONLINE HOME ENERGY ASSESSMENT

Convenience, energy usage information and ways to save are key features of the Online Home Energy Assessment. Available 24/7 through NV Energy's MyAccount dashboard, it is easy for residential customers to find a breakdown of their energy usage by appliance, billing information and customized tips. Growing in popularity, customers have found this an effective energy- and money-saving online tool.



## POWERSHIFT IN THE COMMUNITY

Energy efficiency education through various collaborative efforts was the hallmark of PowerShift's outreach last year. We forged partnerships that extended into Nevada's classrooms with groups such as the Desert Research Institute and National Theatre for Children (NTC). Our on-going presence at many community events and with business organizations strengthened PowerShift's reach into homes and businesses with increased awareness and participation to help customers save energy and money today, while helping to preserve resources for generations to come.



*In 2018, NTC visited 65 schools and educated 34,113 students and teachers in southern Nevada. NTC visited 25 schools and educated 8,133 students and teachers in northern Nevada.*

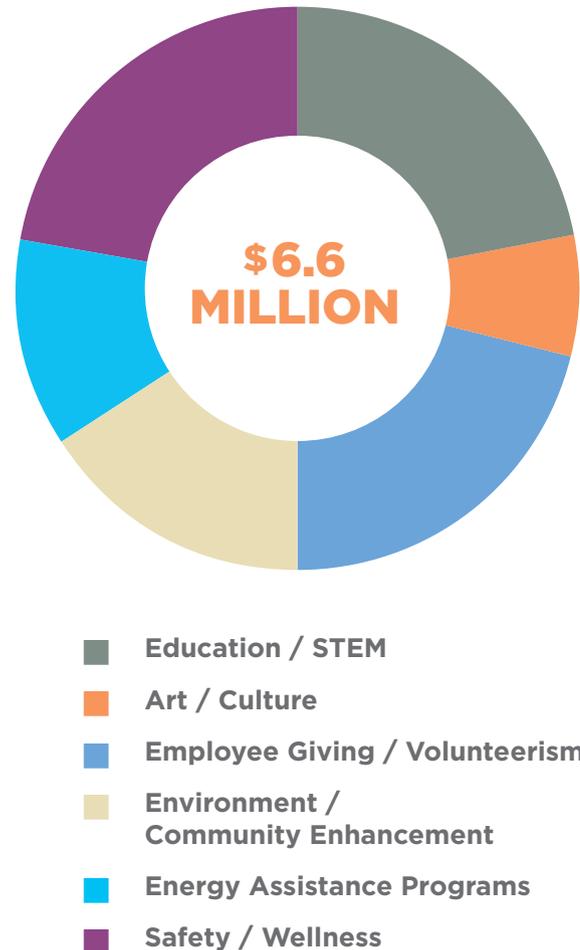
# COUNT ON COMMUNITY SUPPORT

NV Energy, the NV Energy Foundation and our employees gave \$6.6 million through both financial and in-kind donations\* in the form of more than 34,000 volunteer hours to 410 Nevada nonprofit organizations in 2018.

“We’re fortunate to be able to provide much needed electric and gas services to Nevada and we don’t take that for granted,” said Doug Cannon, NV Energy President and Chief Executive Officer. “But one of the things I am most proud of is being a part of a company that encourages community partnerships and a team who makes it a priority to contribute to the quality of life in our communities in so many ways. I continue to be amazed by my colleagues, who consistently give thousands of hours of their time every year to causes they care about and that better Nevada.”

NV Energy Foundation giving impacted 168 nonprofit organizations statewide through donations of more than \$3.2 million in 2018. The NV Energy Foundation addresses key community needs in the areas of safety and wellness, environmental and community enhancement, education (STEM) and arts and culture. The NV Energy Foundation is funded by NV Energy, not its customers.

## NV Energy 2018 Corporate, Foundation and Employee Giving



*\*According to Points of Light, the world's largest organization dedicated to volunteer service, an hour of volunteering is equivalent in value to \$24.69.*



Boys and Girls Club of Southern Nevada



Socks From Santa



Vehicle donations to Family Promise and Nevada Child Seekers



Artown



Susan G. Koman



HELP of Southern Nevada



Three Square Food Bank



Rebuilding Together



Reno Rodeo



KLUC Toy Drive



Exceptional Rodeo



# THE POWER OF GOOD IS ALWAYS ON.



The Power of Good giveaway helps NV Energy connect with the causes our customers care about – and is just one of the ways the NV Energy Foundation supports hundreds of nonprofits each year. In 2018, we held two contests – the first to support military programs, the second for environmental causes. Winners were chosen by

public votes and the winning organizations were awarded a total of \$30,000 – \$15,000 in southern Nevada and \$15,000 in northern Nevada. First place winners are given \$10,000, second place \$3,000 and third place \$2,000 for both northern and southern Nevada.

## 2018 POWER OF GOOD GIVEAWAY BY THE NUMBERS

GIVEAWAYS HELD ..... **2**

WINNERS ..... **12**

TOTAL AMOUNT AWARDED ..... **\$ 60,000**

NUMBER OF PARTICIPATING NONPROFITS ..... **More Than 170**



*(All numbers are statewide)*

### Winning Organizations:

- Veterans Guest House
- Assistance League Reno-Sparks
- Truckee Meadows Community College Veterans Resource Center
- UNLV Military & Veteran Services Center & The School of Medicine Veterans Dental Clinic
- Branded One Crossfit
- Combat Veterans Motorcycle Association of Nevada, Inc.
- Sierra Safari Zoo
- Friends of Nevada Wilderness
- Keep Truckee Meadows Beautiful
- Tortoise Group
- Community Cat Coalition of Clark County (C5)
- Blind Center of Nevada

## BIG SMILES

Our goal is to support causes that have a meaningful impact on our community. We were proud to provide a grant of \$70,000 to Volunteers in Medicine Southern Nevada (VMSN) for the new NV Energy Foundation Oral Health Clinic. The clinic is an expansion of the dental services provided by VMSN. VMSN used the funds to purchase dental diagnostic and care equipment, expand

*“The services that Volunteers in Medicine of Southern Nevada provide truly make a lasting, important impact on our community,” said Tony Sanchez, NV Energy Executive Vice President of Business Development & External Relations. “It’s a privilege to partner with them on this new endeavor that will benefit so many people.”*

staffing, and cover related operational expenses at this new location. The grant from the NV Energy Foundation will help the organization serve even more southern Nevada men, women and children in need — providing life-changing oral health care to those who do not have access to dental care.



## MINI EXPOS, MAJOR IMPACT

For the last 11 years, NV Energy has hosted the successful Senior Energy Assistance Expo as a single, annual event. This year, we took a different approach — hosting a total of 10 events between August and October of 2018. The mini expos broke last year’s record by providing more than 1,900 households with Project REACH financial assistance totaling more than \$500,000. This approach reduced expenses by 47 percent, and helped our PowerShift team connect with 742 customers to provide energy assessments.



## WEEKEND WEEDING

Every year employees look forward to the semi-annual group cleanup of NV Energy's Adopt-A-Park, Mira Loma Park. This community park has received lots of attention over the past 10+ years from many helping hands of NV Energy employees and their families. Whether it's planting new flowers, cleaning up overgrown areas, picking up trash or overall park maintenance, our groups are proud of their beautification efforts.



## EMPOWERING THE FUTURE

NV Energy takes pride in helping students take the next step in their education through its Powerful Partnership Scholarship Program. Thirty northern Nevada high school seniors and 90 southern Nevada high school seniors were given \$1,000 scholarships, and four high school seniors of current employees were given \$2,000 Dependent Scholarships. Since the program began, NV Energy has awarded more than \$1.8 million statewide. These one-time scholarships can be used at any accredited university, college or trade school and were awarded based on academic achievement, community service and volunteerism.



## SUPPORTING FUTURE ENGINEERS

Engineering is at the cornerstone of our business. In 2018, NV Energy participated in a groundbreaking ceremony celebrating the new William N. Pennington Engineering Building at the University of Nevada. The NV Energy Foundation proudly supported this new state-of-the-art facility with a multi-year grant commitment.

At the center of NV Energy's giving, the company proudly supports opportunities to help develop Nevada's workforce. Through its partnership with the University's College of Engineering, the company has launched hundreds of engineering careers through its internship program, and employed dozens more as full-time employees.

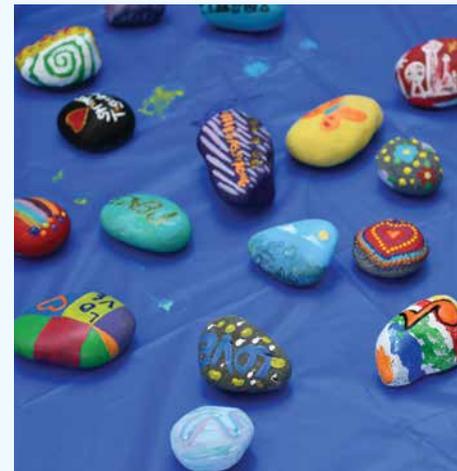
Student enrollment in the College of Engineering has more than doubled in the last decade. Construction of the 100,000-square-foot building will meet the needs of these students and will provide the critical modern facilities necessary to support high-tech teaching and research, and developing the next generation of engineers.

*Building conceptual rendering courtesy of H+K Architects.*



## VEGAS STRONGER

It was important for NV Energy to help honor the 58 victims of the tragic shooting in Las Vegas as its anniversary date approached. Our employees assisted in sprucing up the Route 91 Las Vegas Healing Garden, working in conjunction with Get Outdoors Nevada to clean and landscape the park. They also built a small rock garden inside the park, filling it with rocks painted with messages of love, hope and beauty by employee volunteers.



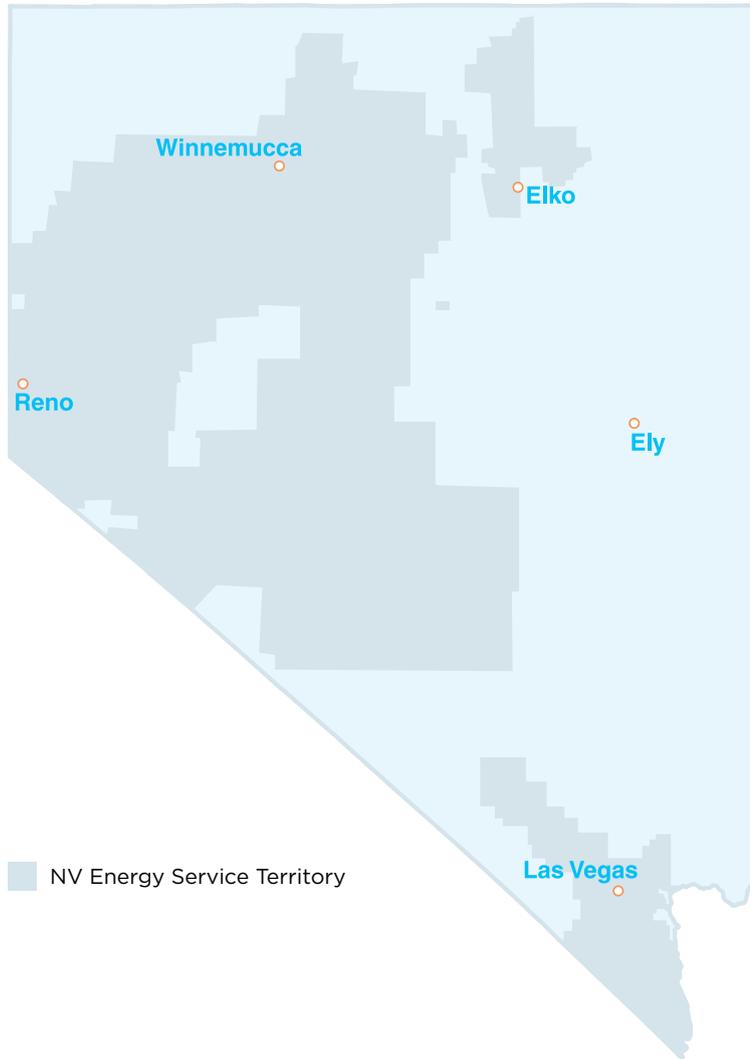
# MAJOR GIFTS



Cleveland Clinic Lou Ruvo Center for Brain Health . . . . .	\$ 250,000*
Communities in Schools of Nevada . . . . .	\$ 70,000
Conservation Lands Foundation . . . . .	\$ 50,000
The Nature Conservancy . . . . .	\$ 75,000
Opportunity Village . . . . .	\$ 250,000**
Public Education Foundation . . . . . <i>(including Powerful Partnerships Scholarships)</i>	\$ 190,000
Special Assistance Fund for Energy (SAFE) . . . . .	\$ 300,000
Three Square Food Bank . . . . .	\$ 75,000
Truckee Meadows Community College Foundation . . . . .	\$ 50,000
United Way of Southern Nevada – Project REACH . . . . .	\$ 500,000

\* Part of a total multi-year commitment of \$1,500,000  
\*\* Part of a total multi-year commitment of \$1,000,000

# COUNT ON OUR CONTRIBUTIONS



## EMPLOYEES

North:	1,002
South:	1,476
Total Payroll	\$ 295,077,596
Total Paid in Taxes	\$ 232,902,866

## ENERGY DEMAND - PEAK LOAD (in Megawatts)

North:	1,860
South:	5,956

## PEAK GENERATING CAPACITY (in Megawatts)

North:	1,372
South:	4,639

## NUMBER OF CUSTOMERS

Northern Nevada - Electric Total	350,337
Southern Nevada - Electric Total	941,853
<b>NEVADA ELECTRIC TOTAL</b>	<b>1,292,190</b>
<b>NEVADA GAS TOTAL</b>	<b>168,621</b>



[nvenergy.com](http://nvenergy.com)