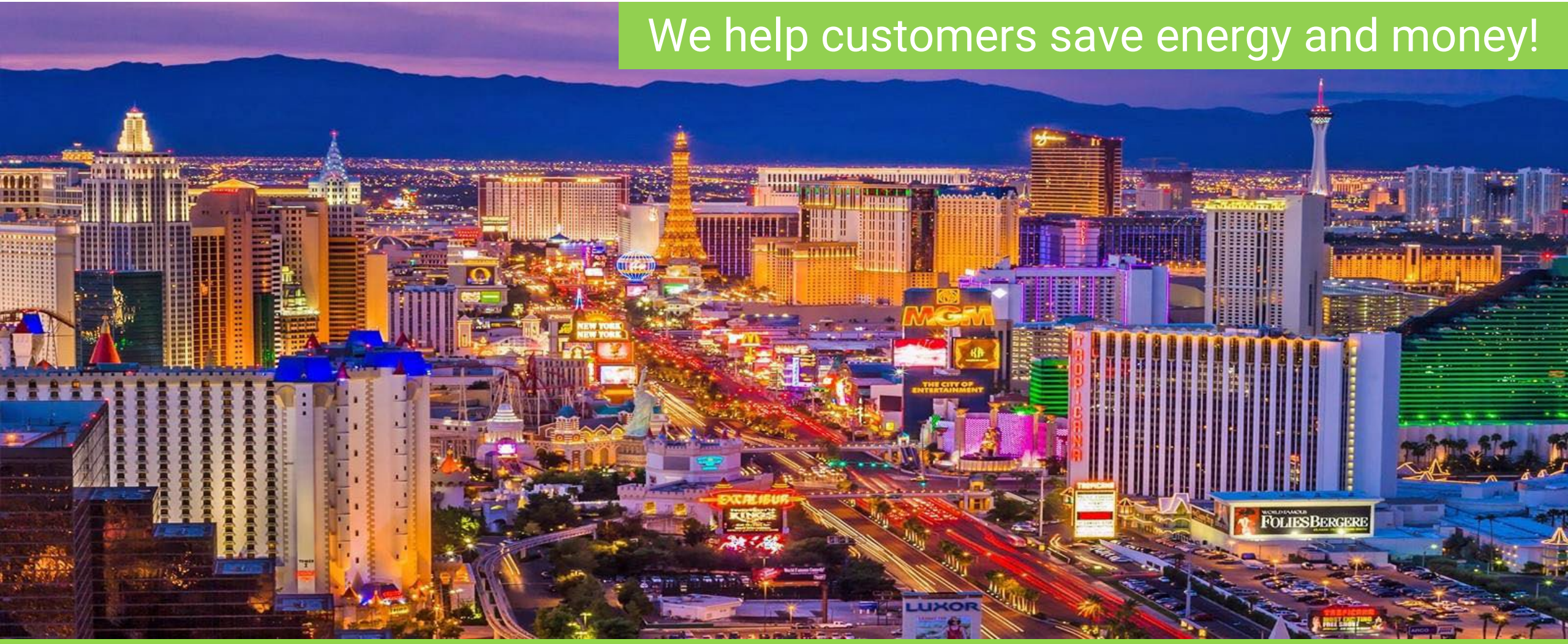
Business Energy Services

We help customers save energy and money!



Extended Involvement Bonus

Earn an extra 20% incentive bonus on your first retrofit projects

North & South

Apply today, while funds last!

*Bonus is first come, first served, applied to retrofit projects submitted for NV Energy business customers. Small business, non-profit, instant discount and new construction projects do not qualify. All applications are subject to standard project incentive cap and tier rules, which will be applied before the early involvement bonus. Projects must be completed by November 15, 2022, with final documentation submitted.

Extended Involvement Bonus

Earn an extra 25% and 30% incentive bonus on retrofit projects

North & South

Apply today, while funds last!
Projects must be at the same job site to get to the tier bonus
Must be a new project, no add-ons, no project phasing

Don’t leave money on the table!

*Bonus is first come, first served, applied to retrofit projects submitted for NV Energy business customers. Small business, non-profit, instant discount and new construction projects do not qualify. All applications are subject to standard project incentive cap and tier rules, which will be applied before the early involvement bonus. Projects must be completed by November 15, 2022, with final documentation submitted.

Contractor Network Bonus

Earn an extra cash bonus on project kWh

- **$500 for 1M kWh saved**
- **$1,250 for 2.5M kWh saved**
- **$2,500 for 5M kWh saved**

*Contractor Network Bonus applies to retrofit projects submitted for
customers between May 1, 2022, and November 1, 2022. Bonus is
kWh savings accumulated within the specified time period. Small b
agency grants, instant discount and new construction projects do
Projects must be completed, and final documents received by No

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The Life Cycle of a Building: Methods for Assessment and Analysis

Presenter for Today's Session

Bill Kosik, PE, CEM, BEMP
Senior Energy Engineer
DNV Energy Use Services

- Mechanical engineer with many years analyzing and designing HVAC systems
- Subject matter expert in data center energy efficiency and analysis of cooling systems
- Published over 50 articles in industry journals
- Chapter author for textbooks on data center design
- Speaker at conferences and symposia in U.S., Canada, Europe, UK, China, and South America
- *Consulting-Specifying Engineer* Editorial Advisory Board, 2009 to present
- USGBC: Key contributor to the LEED DC standard
- US DOE: Working group on energy efficiency for high performance computing (HPC)
- City of Chicago LEED Training and Facilitation
- LEED-CS development team
- EPA's Energy Star for Data Centers program analysis and report on climate Impacts on PUE
- **Happy to be here!**

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Discussion Topics for Today's Session

- What is a building life cycle?
- Planning can range from purely financial to a much more inclusive process
- Different planning levels based on customer requirements
- Level 1 – Simple payback
- Level 2 – Sophisticated financial analysis
- Level 3 – Performance-based decision making
- Level 4 - 360°, holistic methodology

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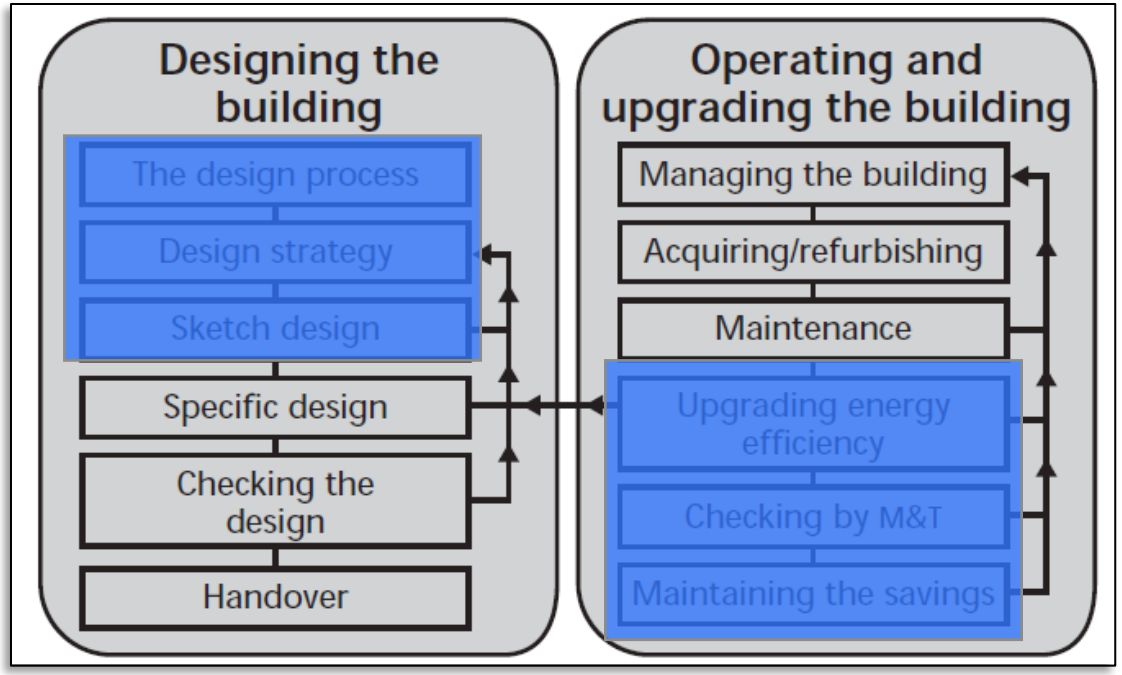
The Lifecycle of a Building

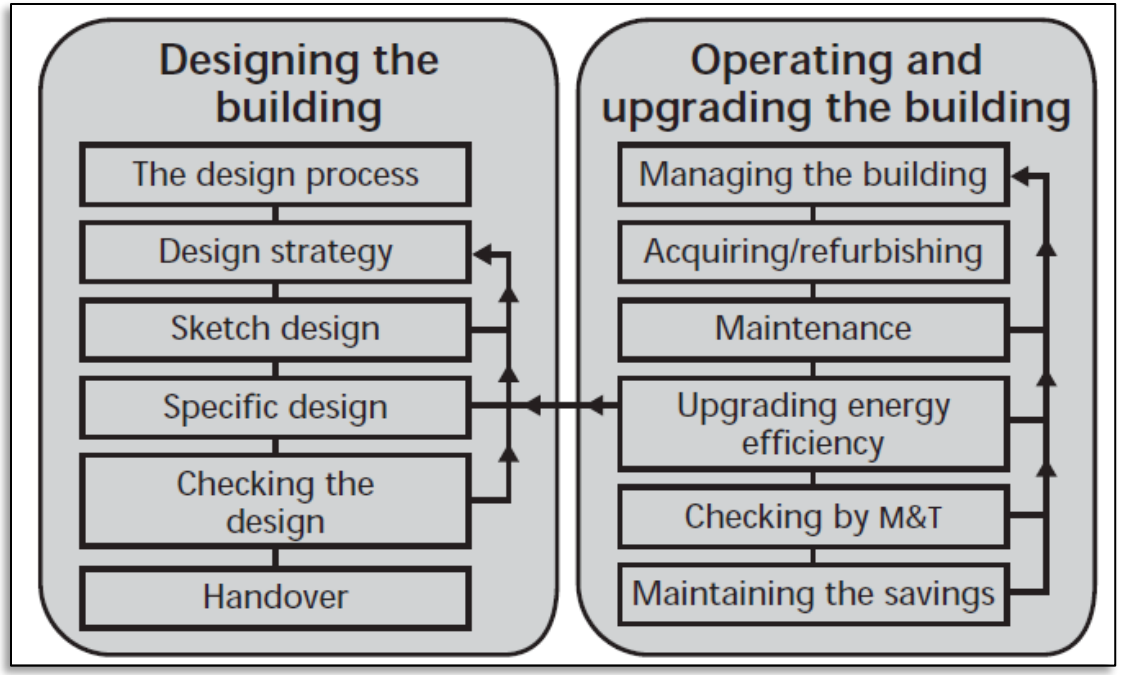


- The lifecycle of a building goes beyond design, construction, commissioning, and maintenance
- Also include cost of system refurbishment or replacement, including impact on other building elements

The number of phases in a building's lifecycle are project-specific. Depending on the goals, size, and scope, certain analyses may not be necessary.

From CIBSE Guide F: Energy Efficiency in Buildings

The Lifecycle of a Building



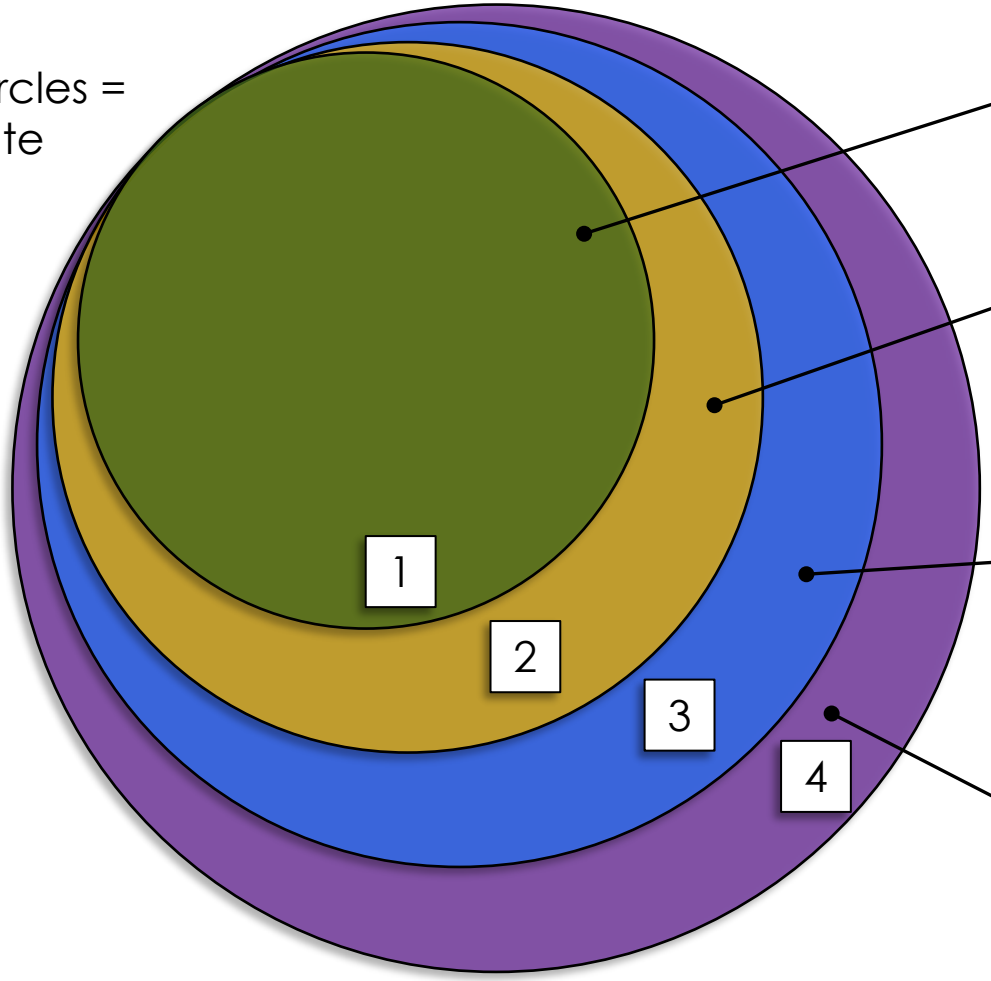
All these items factor into the costing methodology used for project justification

- The lifecycle of a building goes beyond design, construction, commissioning, and maintenance
- Also include cost of system refurbishment or replacement, including impact on other building elements
- Additional analyses and strategy development on the front end
- Focus on useful life of building systems and equipment on the back end

From CIBSE Guide F: Energy Efficiency in Buildings

Levels of Building Life Cycle Analyses

Areas of circles = approximate work effort



Financial: simple payback

Financial: detailed analyses

Performance- based: focus on longer-term operation

360° view of entire building life cycle: energy, water, GHG, materials

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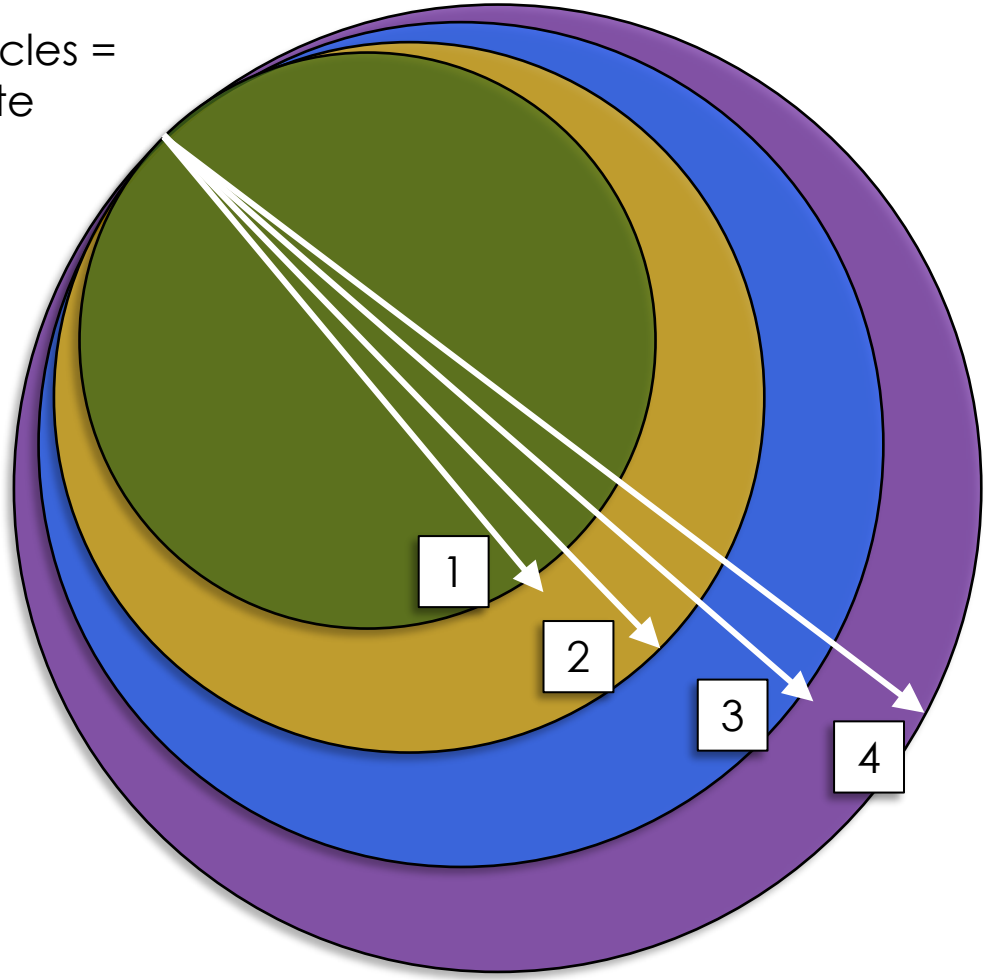
Levels of Building Life Cycle Analyses

Areas of circles = approximate work effort



- Moving from one level to the next will not yield a linear work effort
- Each level will build on the preceding
- For a full building analysis up to level 4, it is recommended to include each level in the process

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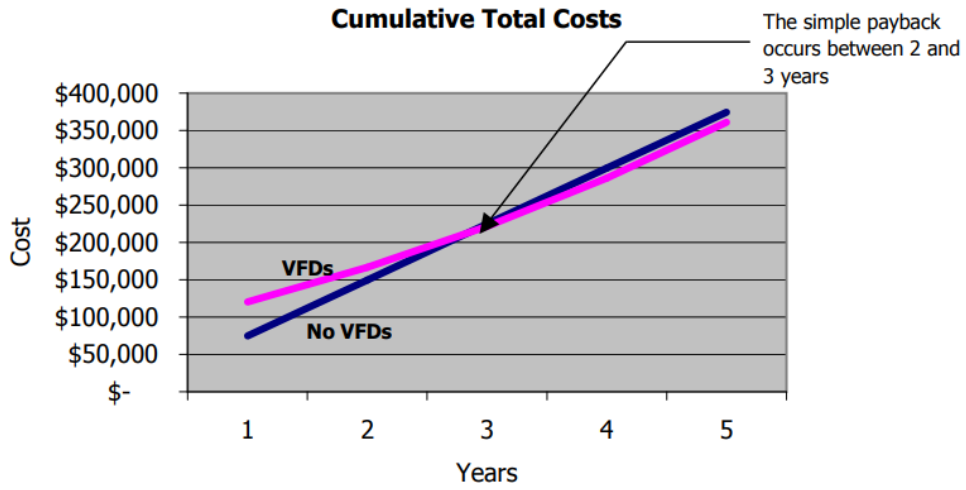
Level 1 – Simple Payback Analyses

- This type of analysis works well for smaller projects
- Use for basic project justification when payback timeframe has been established
- Helpful exercise to calculate first costs and on-going energy costs
- Good for on-going equipment replacement projects
- Can be used for comparing alternatives or comparing to status quo

Level 1 – Simple Payback Analyses

Year	Alternative 1 - Base Case No VFD, Constant Flow			Alternative 2 - VFD on Secondary Pumps		
	Capital	Energy	Total	Capital	Energy	Total
1	$ -	$ 74,898	$ 74,898	$ 82,000	$ 38,369	$ 120,369
2		$ 74,898	$ 149,796		$ 46,472	$ 166,841
3		$ 74,898	$ 224,694		$ 54,575	$ 221,416
4		$ 74,898	$ 299,592		$ 64,736	$ 286,152
5		$ 74,898	$ 374,490		$ 74,898	$ 361,050
	$ -	**$ 374,490**	**$ 374,490**	**$ 82,000**	**$ 279,050**	**$ 361,050**

Assumptions:
1. For the base case, it is assumed that the flow through the system will be constant
2. It is assumed that there will be phased move in of computer equipment
3. Inflation, escalation of costs and time value of money are not included in this analysis



- In this example, analysis is on installing a variable frequency drive (VFD) on chilled water pumps
- This project is one in a series of equipment upgrade/replacement projects where the budget has already been established
- Over the five-year period, using VFDs will reduce annual energy consumption
- To justify this project, the customer required a payback period of less than three years
- For analyses using simple payback it is important to document all assumptions

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Level 2 – Detailed Financial Analysis

- In this example, the customer wanted to understand the impacts of buying a new energy and sustainability management (ESM) system
- New system would handle electric and natural gas use data from over 350 meters, generate and track maintenance tickets, provide data for the departments to track energy use and GHG emissions
- Customer asked for analyses covering energy consumption, maintenance, energy bill accounting, greenhouse gas emission data acquisition and reporting, and personnel costs

Level 2 – Detailed Financial Analysis

On Premise (only low/no cost ECM projects implemented)						
Period	0	1	2	3	4	5
EEMS One-Time Cost	-$375,000					
EEMS Annual Fees		-$57,143	-$54,422	-$51,830	-$49,362	-$47,012
CoB Labor Cost Savings		$26,155	$49,819	$71,169	$90,374	$107,588
Annual Energy Efficiency Project Cost		-$6,289	-$5,989	-$5,704	-$5,433	-$5,174
Annual Utility Incentives and Rebates		$6,181	$5,887	$5,606	$5,339	$5,085
Annual Energy Savings		$0	$14,260	$27,162	$38,802	$49,273
Discounted Costs		-$63,432	-$60,411	-$57,534	-$54,795	-$52,185
Discounted Savings		$32,336	$69,965	$103,937	$134,516	$161,946
Total discounted benefit flow		-$31,096	$9,554	$46,403	$79,721	$109,761
Total cumulative discounted benefit flow		-$406,096	-$396,542	-$350,139	-$270,418	-$160,658
ROI		7%	21%	37%	56%	76%

Energy Efficiency Projects[1]

	Current Annual Energy Efficiency Projects[1]	Annual Energy Efficiency Projects After ECMs	Difference Between pre- and post-ECMs
Annual Project Cost[2]	$12,934,217	$13,594,551	$660,334
Annual Utility Incentives and Rebates[3]	$5,159,662	$5,484,158	$324,496
Annual Savings[5]	$2,852,167	$3,481,030	$628,862
Annual kWh Savings[6]	35,935,806	43,841,684	7,905,877

[1] data based on 2012-2014 proposed projects
[2] based on City data, project costs increase at a rate of 0.42:1 to energy efficiency gains.
[3] based on City data, utility incentives increase at a rate of 0.44:1 to energy efficiency gains.
[4] assume with ECMs 20% additional energy efficiency projects are identified and put in place
[5] $0.0794/kWh was used for electricity rate
[6] assume low- and no-cost energy efficiency gains account for 10% of the annual kWh savings and have project costs 5% of capital projects

- These analyses quantify savings after installing a new ESM system
- First costs of different ESM systems were included in the full analysis
- Additional parameters such as personnel costs were also included

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Level 2 – Simple Payback Analyses

Year	Alternative 1 - Base Case No VFD, Constant Flow			Alternative 2 - VFD on Secondary Pumps		
	Capital	Energy	Total	Capital	Energy	Total
1	$ -	$ 74,898	$ 74,898	$ 82,000	$ 38,369	$ 120,369
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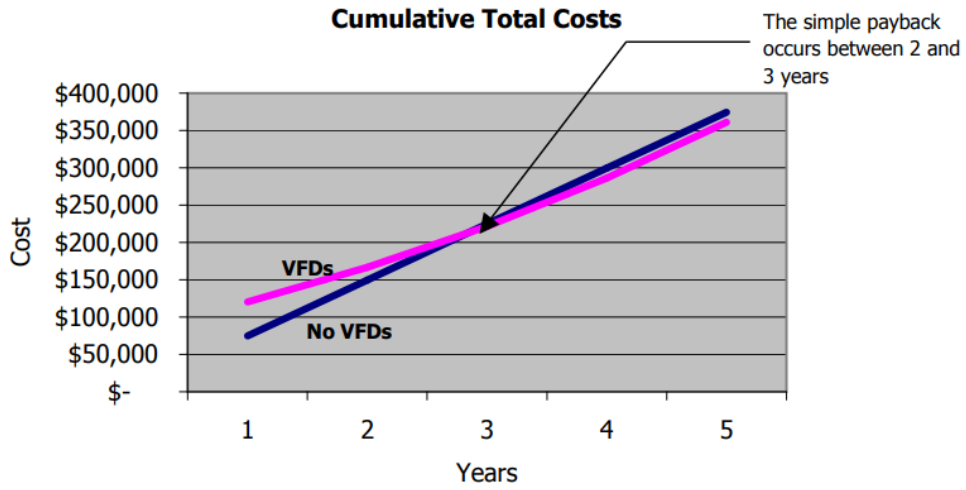

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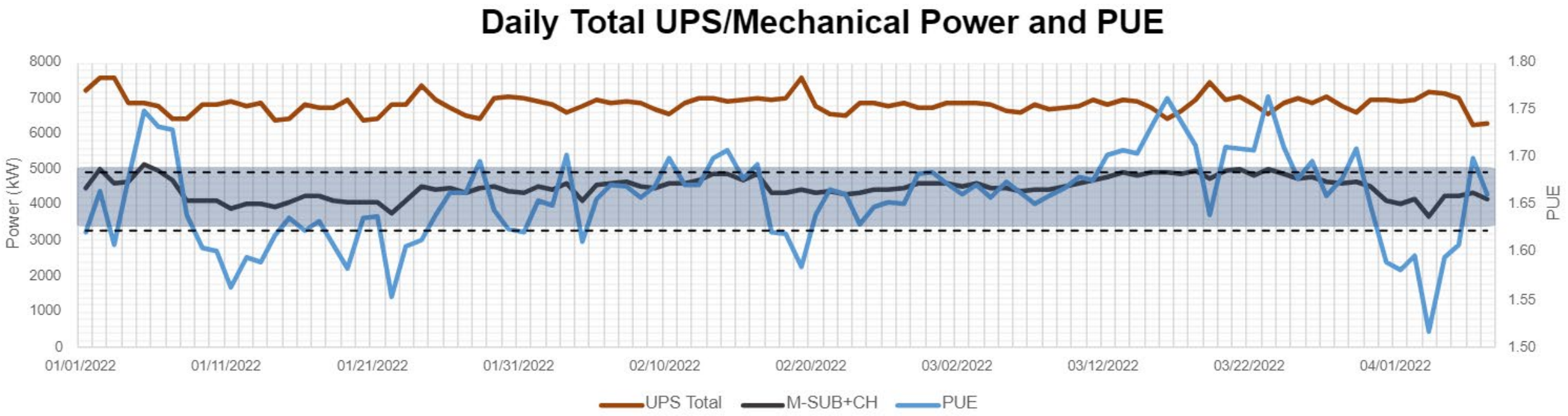
Level 3 – Performance-Based Analysis

- This example is a data center where reliability and performance of the systems is critical to deliver the required business results
- The customer is developing a baseline energy consumption to facilitate a future incentive from the utility
- The energy use and water consumption is also an internal metric that is analyzed
- The following graphs represent current energy and water use that will be used in the planning of a new central plant

Level 3 – Performance-Based Analysis



Power use effectiveness (PUE) is a metric that determines the energy use performance of the power and cooling systems compared to the power of the IT systems

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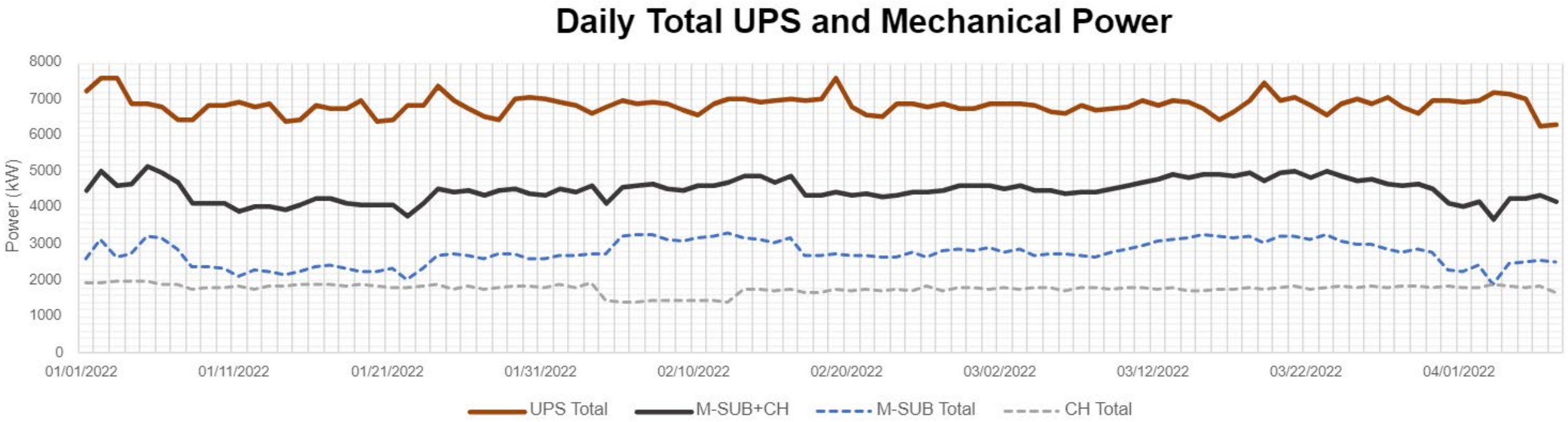
Level 3 – Performance-Based Analysis



PUE is also used to judge the performance of the cooling sub-systems. It is a valuable performance indicator to understand the energy breakdown for the cooling system equipment.

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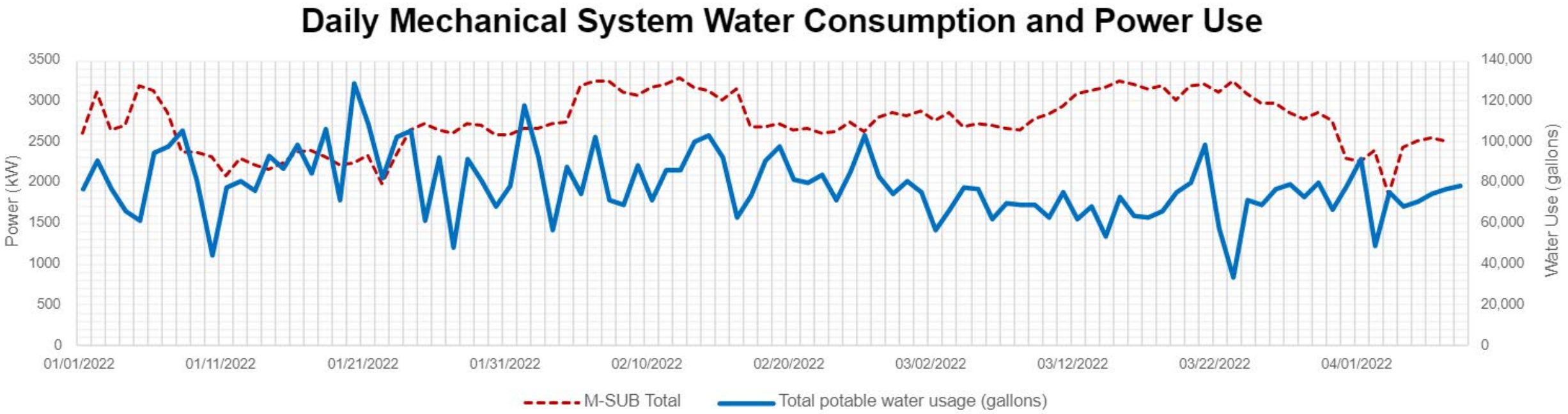
Level 3 – Performance-Based Analysis



Another vital performance indicator for data centers is the water use of the mechanical systems. The confluence of energy and water use must be fully understood to assist in selecting mechanical systems considering location and water scarcity.

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Level 4 – 360° Building Life Cycle View

- This customer (same as in level 2) had a mandate to comply with energy use and GHG emission reporting requirements
- The analysis considered all aspects of facility design, operation, maintenance, and refurbishment
- There were quantifiable aspects in the analysis such as reduced energy in the buildings
- There were also benefits that were harder to define numerically

Level 4 – 360° Building Life Cycle View

Direct Benefits	Annual Savings ($) *Low*	Annual Savings ($) *Expected*
Automation of energy data collection differentiated by electricity & fuel type at plant level, consolidation, QC/QA and reporting: • 12 days per facility / year x 125 facility clusters • 80% savings from current labor	$ 567,000	$ 756,000
Dynamic energy performance analysis in $ based on real time energy pricing by plant/site/business, what-if scenario analysis, forecasting: • 6 days per site / year x 125 facility clusters • 12 days of management per / year	$ 287,250	$ 381,000
(1) Total direct benefits of energy management:	**$ 854,250**	**$ 1,137,000**

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Case Study #1 - Time & labor savings in **energy** data management: collecting, consolidating, reporting and performance analysis

Level 4 – 360° Building Life Cycle View

Direct Benefits	Annual Savings ($) *Low*	Annual Savings ($) *Expected*
Automation of Scope 1 GHG data collection at plant level, consolidation, QC/QA and reporting: • 80% savings from current labor • Collection: 10 to 20 hrs / site / yr • QA/QC: 3 to 5 hrs / site / yr	$ 268,750	$ 500,000
Automation of Scope 2 GHG data collection at site level consolidation, QC/QA and reporting: • 80% savings from current labor • 1 to 3 days / site / yr	$ 50,000	$ 150,000
Dynamic GHG performance analysis and forecasting of compliance costs, what-if scenario analysis: • 12 days per site / year x 125 • 12 days of management / year	$ 359,250	$ 756,000
(2) Total direct benefits of GHG management:	$ **678,000**	$**1,406,000**

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Case Study #1- Time & labor savings in **GHG** data management: collecting, calculating, consolidating, reporting and performance analysis

Level 4 – 360° Building Life Cycle View

Savings from Energy & GHG Mitigation	Annual Savings ($) *Expected*	Expected Payback 12 mths incremental	Expected Payback 18 mths incremental	Expected Payback 2.4 yrs- avg incremental
Energy Efficiency: Baseline estimated $360 Million spend in 2009				
Energy savings due to behavioral changes enabled by energy monitoring and employee dashboard: 3-5%	5% $ 1,200,000	2% $480,000	1% $240,000 *$720,000*	2% $480,000 *$1,200,000*
Increased incentives at local and regional level (e.g. utility programs): 3-5% NPV-positive EE (net after payback period	5% $ 8,300,000	2% $3,320,000	3% $4,980,000 *$8,300,000*	
Dynamic optimization of mitigation plan and leveraging best-practices: 5-10% NPV-positive EE	10% $ 24,700,000	1% $2,470,000	2% $4,940,000 *$7,410,000*	7% $17,290,000 *$24,700,000*
Total potential savings from energy efficiency optimization:	**20%** **$ 34,200,000**	5% $8,550,000	11% $18,810,000 *$27,360,000*	4% $6,840,000 *$34,200,000*

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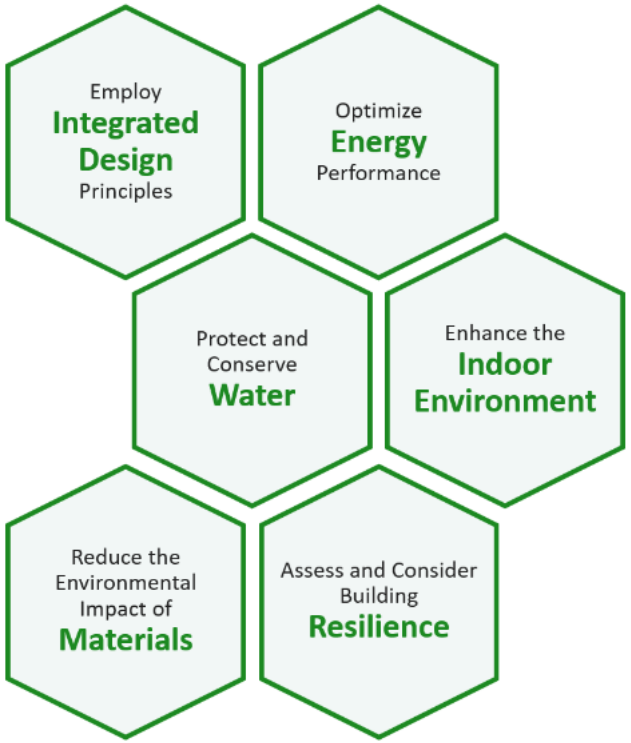
Case Study #1 - Time to payback on energy efficiency optimization

Guiding Principles for Sustainable Federal Buildings – U.S. EPA

- Employ integrated design principles
- Optimize energy performance
- Protect and conserve water
- Enhance the indoor environmental quality
- Reduce the environmental impact of materials
- Assess and consider building resilience



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Review of Today's Key Points

- Defined building life cycle
- Planning a building life cycle can range from straight-forward to very complex
- There are different levels of planning, each with its own process and level of sophistication
- Level 1 – Simple payback
- Level 2 – Sophisticated financial analysis
- Level 3 – Performance-based decision making
- Level 4 - 360°, holistic methodology

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Thank you. Questions?

Business Energy Services Incentives

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Business Energy Services

What We Offer

- **Application Support**
- **Technical Services**
- Free Classroom Education & Training
- Non-Profit Agency Grants
- Small Business Project Incentives
- Instant Discounts
- Retrofit Project Incentives
- New Construction Incentives

Customer Benefits

- **Reduced Energy Expenses**
- Reduced Carbon Footprint
- Annual Cash Savings
- Improved Comfort

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Talk with a Business Energy Advisor 1-800-342-6335

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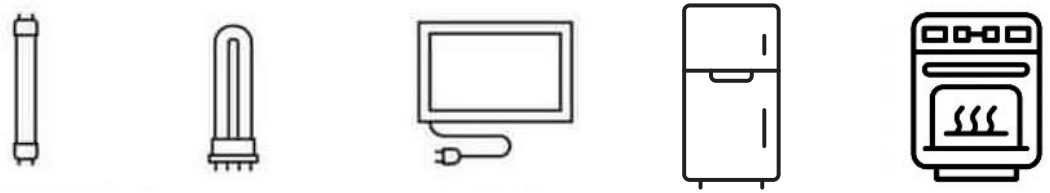
Instant Discounts

No application Needed



Eligible Products

Lighting	Incentive/unit
T8 4’ Linear LED*	$4
T8 2’ U-Bend LED*	$4
1'x4' LED Illuminated Panel & Troffers Containing LED Strip Lights	$10
2'x2' LED Illuminated Panel & Troffers Containing LED Strip Lights	$10
2'x4' LED Illuminated Panel & Troffers Containing LED Strip Lights	$10

Kitchen	Incentive/unit
High Efficiency (HE) Fryer	$200
Large Vat Fryer	$200
HE Griddle	$300
Convection Oven	$350
Combination Oven	$1,000
Steam Cooker	$750
HE Holding Cabinets, Full Size	$300
HE Holding Cabinets, 3/4 Size	$250
HE Holding Cabinets, 1/2 Size	$200

ES = Energy Star, CEE = Consortium for Energy Efficiency, SD = Solid Door, GD = Glass Door, cf = Cubic Feet

Refrigeration	Incentive/unit
Ice Machine ES/CEE I <300	$50
Ice Machine ES/CEE I 300-500	$75
Ice Machine ES/CEE I 500-1000	$125
Ice Machine ES/CEE I 1000-1500	$200
Ice Machine ES/CEE I >1500	$250
Ice Machine ES/CEE II <300	$100
Ice Machine ES/CEE II 300-500	$150
Ice Machine ES/CEE II 500-1000	$250
Ice Machine ES/CEE II 1000-1500	$400
Ice Machine ES/CEE II >1500	$500
Refrigerator SD ES < 15 cf	$50
Refrigerator SD ES ≤ 15 cf V < 30 cf	$75
Refrigerator SD ES ≤ 30 cf V < 50 cf	$90
Refrigerator SD ES ≥ 50 cf	$125
Freezer SD ES < 15 cf	$60
Freezer SD ES ≤ 15 cf V < 30 cf	$75
Freezer SD ES ≤ 30 cf V < 50 cf	$80
Freezer SD ES ≥ 50 cf	$200

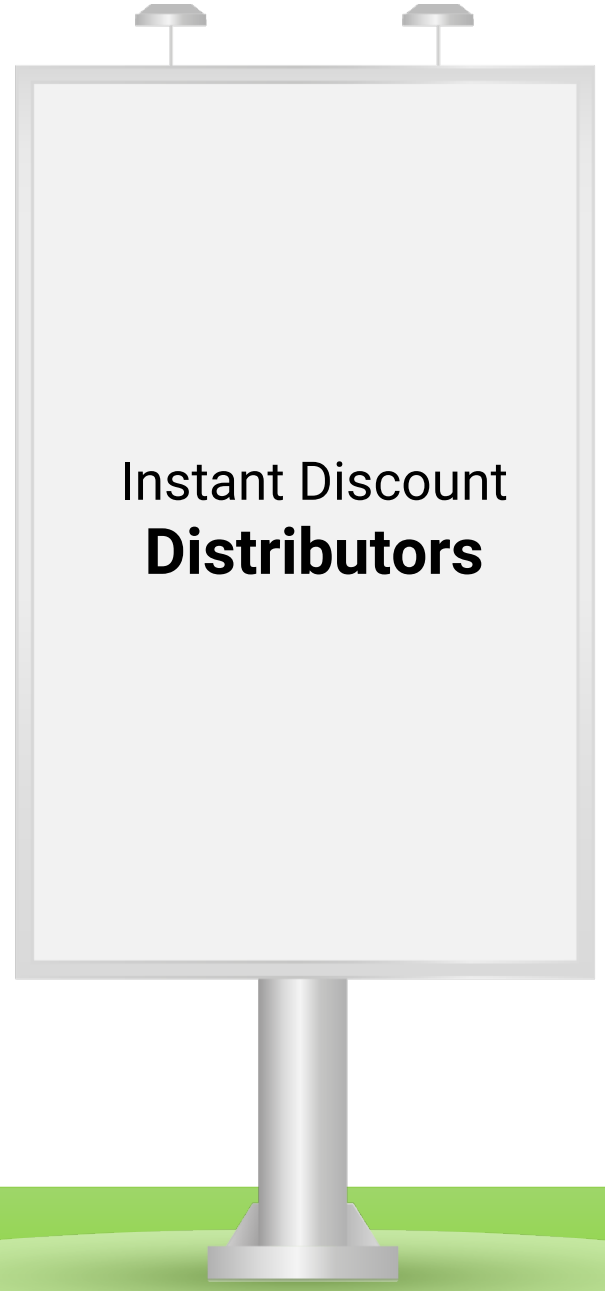
Refrigeration	Incentive/unit
Refrigerator GD ES < 15 cf	$50
Refrigerator GD ES ≤ 15 cf V < 30 cf	$75
Refrigerator GD ES ≤ 30 cf V < 50 cf	$90
Refrigerator GD ES ≥ 50 cf	$125
Freezer GD ES < 15 cf	$60
Freezer GD ES ≤ 15 cf V < 30 cf	$75
Freezer GD ES ≤ 30 cf V < 50 cf	$80
Freezer GD ES ≥ 50 cf	$200

Lighting

- Bulb and Driver
- City Electric Supply
- Facility Solutions Group
- Main Electric Supply Company
- Grainger
- Wedco
- Crescent Electric Supply Company
- Bulbman, Inc.
- Regency Lighting
- Vegas Electric Supply
- MCOR Lighting
- Key Power Solutions
- Green Planet Corporation
- Platt Electric Supply
- Have Lights Will Travel
- Discount Lighting
- Gexpro
- GoGreenLighting.com, Inc.
- Nedco Supply
- Sierra Nevada Lighting, LLC
- Codale Electric Supply
- HD Supply Facilities Maintenance
- mySupplier
- USA LED
- Bulbtronics
- Commercial Lighting Specialties
- Las Vegas Lighting
- Capitol Light

Commercial Kitchen & Refrigeration

- Open to apply for all commercial kitchen & refrigeration distributors



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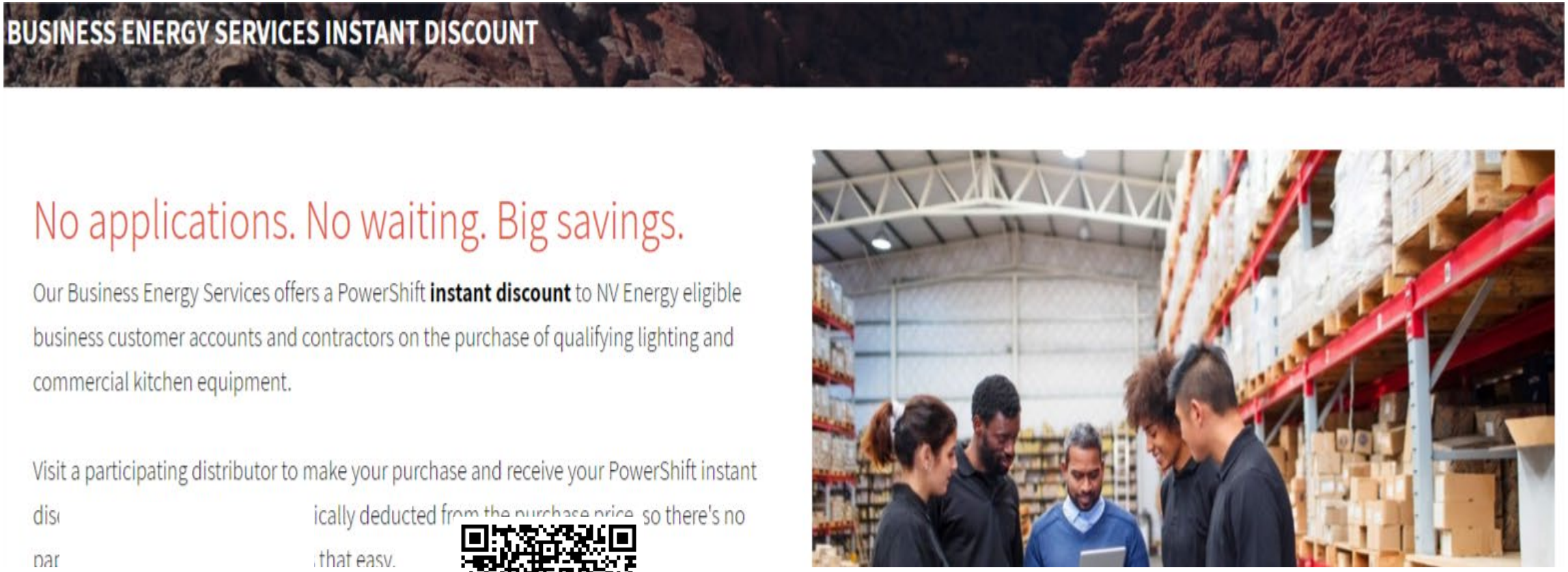
Instant Discount Website



nvenergy.com/BES > Incentives & No Cost Offers > Instant Discounts

Instant Discount Website

Website includes:

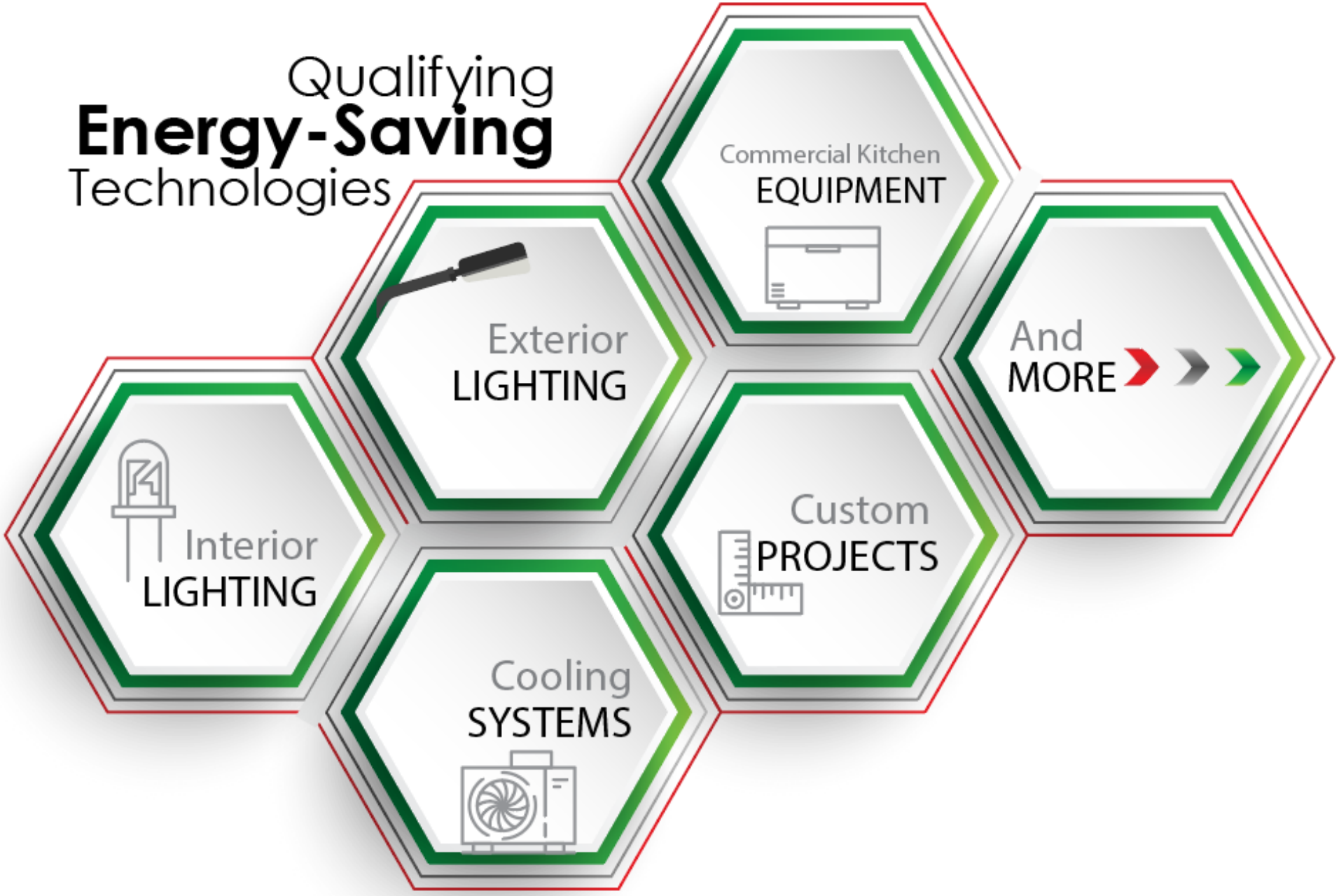
- Eligible product types
- Participating distributor listing
- FAQs
- Operations Manual

+ Participating Distributors

+ Frequently Asked Questions

FULL PROGRAM DETAILS

Qualifying
Energy-Saving
Technologies



Applying for Incentives

Retrofit and New Construction

Three Easy Steps to Saving

STEP 01
PRE-APPLICATION PROCESS

- Submit Pre-Application
- Subject to Pre Inspection
- Pending Pre-Approval

STEP 02
RESERVATION PROCESS

- Reservation of Funds Received
- 90 Day Clock Starts
- Energy Advisor Checkins

STEP 03
FINAL APPLICATION PROCESS

- Complete Project
- Submit Final Application
- Subject to Post-Inspection
- Receive Final Approval & Payment

Save Energy & Money, Year After Year

THE APPLICATION PROCESS

More Ways
to Save

Business Energy Services
2022 Southern Retrofit Incentive Summary

NVEnergy

Retrofit - Interior Lighting			
Measure	**Size/Type**	**Unit**	**Incentive**
Interior Lighting Lamp/Fixture	Interior	Watt Reduced	$0.25
Interior LED Lamp, Hotel Guestroom	Interior	Watt Reduced	$0.10
Delamping T8 Lamps	4-foot lamp	Lamp	$3.00
Standard T8 to RW T8	4-foot lamp	Lamp	$1.00
LED Exit Sign		Sign	$15.00
LED Refrigerated Case Lighting		Lamp	$25.00
LED Channel Sign	≤ 2 Feet	Letter	$10.00
LED Channel Sign	> 2 Feet	Letter	$25.00
Occ. Sensor on Refrigerated Case	Enclosed	Door	$12.00
Occ. Sensor on Refrigerated Case	Open	LF of Case	$4.00
Occupancy Sensors	Wall Box	Sensor	$12.00
Occupancy Sensors	Ceiling Mount	Sensor	$30.00
Occupancy Sensors	HB T5/T8 Sensor	Sensor	$20.00
Occupancy Sensors	HB LED Sensor	Sensor	$14.00
Daylighting Controls		Watt Controlled	$0.10
Bi-Level Stairwell/Hall /Garage LED Fixtures with Sensors		Watt Controlled	$0.40
Retrofit-Exterior and Garage Lighting			
Garage LED Replacing HID 24/7	24/7 Operation	Watt Reduced	$0.25
Exterior Replacing HID 12 Hr	12 Hour Operation	Watt Reduced	$0.20
Garage High Wattage Screw-In CFL	24/7 Operation	Watt Reduced	$0.20
Exterior High Wattage Screw-In CFL	12 Hour Operation	Watt Reduced	$0.15
LED Channel Sign	≤ 2 Feet	Letter	$10.00
LED Channel Sign	> 2 Feet	Letter	$25.00
Garage Hard-Wired CFL < 29W		Fixture	$25.00
Garage Hard-Wired CFL > 30W		Fixture	$40.00
Exterior Hard-Wired CFL < 29W		Fixture	$15.00
Exterior Hard-Wired CFL > 30W		Fixture	$30.00

Please refer to 2022 Business Energy Services Retrofit Specifications document for complete specifications

[1] Incentive varies by transformer size, see application.
[2] Incentive varies by UPS size and input dependency characteristics, see application.

Revised 3/2/22 V3

Retrofit - Commercial Kitchen		
Measure	**Unit**	**Incentive**
Ventilation Control - Retrofit	HP	$350.00
Ventilation Control - New Hood	HP	$300.00
Anti-Sweat Heater Controls	Door	$40.00
EC Motors: Walk-in Boxes	Motor	$40.00
EC Motors: Refrigerated Cases	Motor	$30.00
Evaporator Fan Controller	Controller	$35.00
ENERGY STAR® Tier II Vending Machine Refurbishment Kit	Kit	$75.00
Vending Machine Controls	Controller	$90.00
Snack Machine Controls	Controller	$15.00
Floating Head Pressure Controls	HP	$35.00
Reach-In Cooler Controls	Controller	$30.00

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Please note that 4' T8 LED and 1'x4', 2'x2' & 2'x4' LED TROFFERS Illuminated Panels and some kitchen equipment are no longer eligible for incentives though this program. Please see Business Energy Services Instant Discount Program at www.nvenergy.com/bes for details.

Retrofit – Transformer and UPS		
Measure	**Unit**	**Incentive**
Single & Three Phase High Eff. Transformer	Per Unit	Varies[1]
Single & Three Phase High Eff. Transformer - incremental	Per 0.01% Above Qual.	Varies[1]
High Eff. UPS - Single & Multi-Normal	Output kW	Varies[2]
Retrofit - Miscellaneous		
Escalator Motor Controllers (EMC)	HP	$20.00
VSD Pool Pump & Scheduling Control	HP	$150.00
VSD Air Compressor Replacement < 50hp	HP	$45.00
Compressed Air Engineered Nozzles	Nozzle	$10.00
High Efficiency Battery Chargers	Charger	$225.00
Demand Control Ventilation – Parking Garage	HP	$90.00
Demand Control Ventilation – Interior Spaces	Per 1,000 sq ft	$30 per 1,000 sq ft
Irrigation Nozzles	Nozzle	$3.00
Irrigation Sprinklers	Sprinkler	$2.50
Irrigation Regulators	Regulator	$3.50
Irrigation Gaskets	Gasket	$2.00
Retrofit - Cooling		
Air-Cooled Units:		
(<65 kBtuh), Qual SEER	Ton	$12.00
(<65 kBtuh), 1 Additional SEER	Ton	$8.00
(≥65 & <135 kBtuh), Qual EER	Ton	$12.00
(≥65 & <135 kBtuh), 1 Additional EER	Ton	$10.00
(≥135 & <240 kBtuh), Qual EER	Ton	$18.00
(≥135 & <240 kBtuh), 1 Additional EER	Ton	$10.00
(≥240 kBtuh) Qual IEER	Ton	$18.00
(≥240 kBtuh) 1 Additional IEER	Ton	$10.00
Water-Cooled Units, Qual EER	Ton	$25.00
Water-Cooled Units, 1 Additional EER	Ton	$10.00
PTAC/PTHP, Qual EER	Ton	$30.00
PTAC/PTHP, 1 Additional EER	Ton	$20.00
Programmable Thermostat	Each	$25.00
Window Film	Sq. Foot	$0.70
VSD on HVAC Fans and Pumps	HP	$30.00
Air Side Economizers	Ton	$25.00
Retrofit – Custom		
	Annual Energy Savings (kWh)	
Custom Incentive	$0.05 /kWh	
Retro-Commissioning	$0.05 /kWh	

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AB54 Impacts on Retrofit Incentives

Interior Guest Room LED Lamp/Fixture (Can be used for guest room incandescent, CFL, fluorescent T5, LED lamps or fixture retrofits)								
INCENTIVE: $0.10/Watt Reduced								
Pre	Post		Pre		Post			
Pre Fixture Description Example: 13W CFL	Post Fixture Description Example: 5W LED Lamp	Location Example: Bathroom, floor lamp or entry	# of Lamps or Fixtures	Watts / Lamp or Fixture	# of Lamps or Fixtures	Watts / Lamp or Fixture	Total Watts Reduced	Calculated Incentive
Due to AB54, the retrofit of A-19, general service, screw-in incandescent lamps are available only for this measure AND the baseline for all such lamps is as follows: 40W Inc = 10W 60W Inc = 18W 75W Inc = 24W 100W Inc = 36W								

- A-19 incandescent lamp baselines are only eligible under guest room measures on the retrofit application.
- In guestroom measure group, adjusted baselines are to be used for A-19 lighting.

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Image Source: www.hykolity.com

More Ways to Save

Business Energy Services
2022 Southern New Construction Incentive Summary

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New Construction - Lighting Power Density		
Measure	Unit	Incentive
Interior Lighting Power Density, 5% Better Than IECC 2018	kW	$250.00

New Construction - Performance Based / Whole Building	
Approach	Annual Energy Savings (kWh)
Performance Based - 5% Better Than IECC 2018	$0.05 per kWh
Whole Building - 5% Better Than IECC 2018	$0.05 per kWh

New Construction - Cooling / Misc.			
Measure	Unit	IECC 2018 Incentive	IECC 2018 - C406 Incentive
Air- Cooled Units			
(<65 kBtuh), Qual SEER	Ton	$12.00	$14.00
(<65 kBtuh), 1 Additional SEER	Ton	$8.00	$10.00
(≥65 & <135 kBtuh), Qual EER	Ton	$12.00	$14.00
(≥65 & <135 kBtuh), 1 Additional EER	Ton	$10.00	$12.00
(≥135 & <240 kBtuh), Qual EER	Ton	$18.00	$22.00
(≥135 & <240 kBtuh), 1 Additional EER	Ton	$10.00	$12.00
(≥240 kBtuh) Qual IEER	Ton	$18.00	$22.00
(≥240 kBtuh) 1 Additional IEER	Ton	$10.00	$12.00
Water-Cooled Units, Qual EER	Ton	$25.00	$30.00
Water-Cooled Units, 1 Additional EER	Ton	$10.00	$12.00
PTAC/PTHP, Qual EER	Ton	$60.00	$60.00
PTAC/PTHP, 1 Additional EER	Ton	$24.00	$24.00
Variable Speed Drive	per HP	$60.00	N/A

[1]Incentives for projects subject to Section C406 of IECC 2018.

New Construction - Commercial Kitchen		
Measure	Unit	Incentive
HE Fryer	Vat	$200.00
Large Vat Fryer	Vat	$200.00
HE Griddle	Griddle	$300.00
Convection Oven	Oven	$350.00
Combination Oven	Oven	$1,000.00
Steam Cooker	Steamer	$750.00
HE Holding Cabinets, Full Size	Cabinet	$300.00
HE Holding Cabinets, 3/4 Size	Cabinet	$250.00
HE Holding Cabinets, 1/2 Size	Cabinet	$200.00
Ventilation Control - New Hood	HP	$300.00
Evaporator Fan Controller	Controller	$35.00
Ice Machine ES/CEE I<300	Machine	$50.00
Ice Machine ES/CEE I 300-500	Machine	$75.00
Ice Machine ES/CEE I 500-1000	Machine	$125.00
Ice Machine ES/CEE I 1000-1500	Machine	$200.00
Ice Machine ES/CEE I >1500	Machine	$250.00
Ice Machine CEE II <300	Machine	$100.00
Ice Machine CEE II 300-500	Machine	$150.00
Ice Machine CEE II 500-1000	Machine	$250.00
Ice Machine CEE II 1000-1500	Machine	$400.00
Ice Machine CEE II >1500	Machine	$500.00
Refrigerator SD ES < 15 cf	Refrigerator	$50.00
Refrigerator SD ES 15 ≤ V < 30 cf	Refrigerator	$75.00
Refrigerator SD 30 ≤ V < 50 cf	Refrigerator	$90.00
Refrigerator SD ES ≥ 50 cf	Refrigerator	$125.00
Freezer SD ES < 15 cf	Freezer	$60.00
Freezer SD ES 15 ≤ V < 30 cf	Freezer	$75.00
Freezer SD ES 30 ≤ V < 50 cf	Freezer	$80.00
Freezer SD ES ≥ 50 cf	Freezer	$200.00
Refrigerator GD ES <15 cf	Refrigerator	$50.00
Refrigerator GD ES 15 ≤ V < 30 cf	Refrigerator	$75.00
Refrigerator GD 30 ≤ V < 50 cf	Refrigerator	$90.00
Refrigerator GD ≥ 50 cf	Refrigerator	$125.00
Freezer GD ES < 15 cf	Freezer	$60.00
Freezer GD ES 15 ≤ V < 30 cf	Freezer	$75.00
Freezer GD ES 30 ≤ V < 50 cf	Freezer	$80.00
Freezer GD ES ≥ 50 cf	Freezer	$200.00

Please refer to 2022 Business Energy Services New Construction Specifications document for complete specifications

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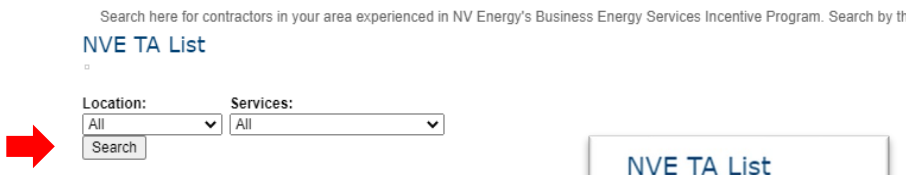

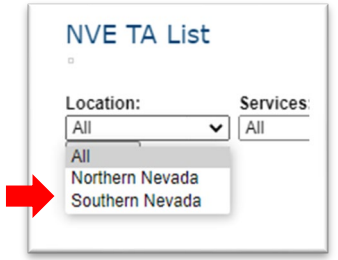

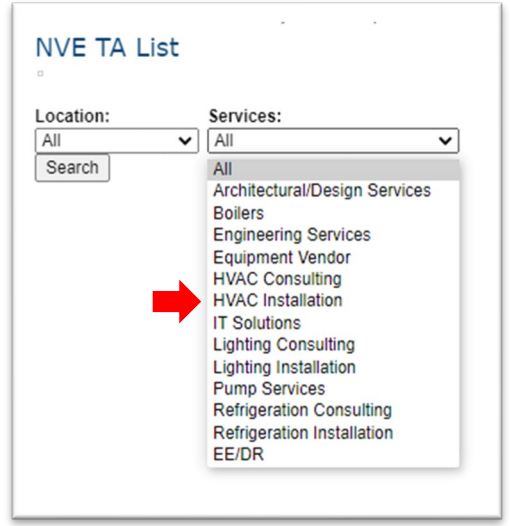

Retrofit Bonus: Extended and Elevated

Earn a 20%, 25% and 30% cash bonus on retrofit applications

First Project
Earns **20%** bonus

Second Project
Earns **25%** bonus

Third Project
Earns **30%** bonus

Projects must be completed and final documents received by November 15, 2022 to qualify. Bonus is first come, first served, applied to retrofit projects submitted for NV Energy business customers.

Small business, non-profit, instant discount and new construction projects do not qualify.

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Location: Southern Nevada | Services: HVAC Consulting | Search

Contractor	Location	Services
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BIDENERGY INC Philadelphia Tim Mayo 215-732-4480 tim.mayo@bidenergy.com www.bidenergy.com	Northern Southern	HVAC Consulting Lighting Consulting Refrigeration Consulting
ECOGREEN SOLUTIONS, INC. Laguna Niguel Corey Brophy (949) 364-6800 Corey.B@EcoGreen-Solutions.Net www.ecogreen-solutions.net	Northern Southern	Equipment Vendor HVAC Consulting HVAC Installation Lighting Consulting Lighting Installation Pump Services Refrigeration Consulting

OR

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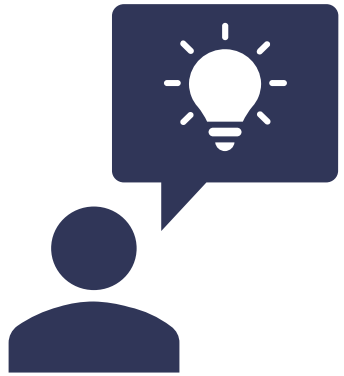
To get a printable list



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Email bes@nvenergy.com

Thank You! We look forward to working with you.