

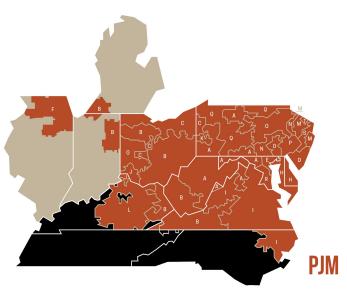
PJM's Energy Efficiency program pays organizations for permanent load reduction resulting from energy efficiency projects they have completed or will complete in the future.

The program pays organizations capacity revenue for up to four years following the completion of a qualified project.

Qualifying projects include those with permanent energy reductions involving lighting, refrigeration equipment, HVAC, motors, VFDs, LEED buildings, and more.

There is revenue to be earned from your organization using less energy and helping PJM reduce the overall load on the grid.

#### CPOWER CAN HELP YOU MAKE IT HAPPEN.





#### WHO IS CPOWER?

#### **CPOWER IS A DEMAND-SIDE ENERGY MANAGEMENT COMPANY**

We specialize in commercial and industrial demand response and demand management.

We create optimized energy management strategies that help businesses streamline their energy usage, offset costs, and reach their sustainability goals.

We're passionate about helping businesses reach their energy management goals and know there is no stronger resource to achieve those goals than the collaborative relationship we share with our customers.

Get to know us at the videos below.





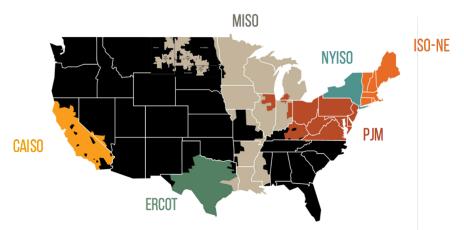


# NATIONAL EXPERIENCE. LOCAL EXPERTISE.

CPower is a leading demand-side energy manager in each of the country's open energy markets. We serve well over 1000 customers at thousands of sites across a broad range of vertical markets: from large retailers with hundreds of locations to industrial entities with multiple sites of various sizes.

We strive to give our customers the personal attention they deserve. We're familiar with the intricacies of the PJM market and we have experts to help customize and optimize the most suitable program for each of your local facilities.

CONSIDER US YOUR
PERSONAL
ENERGY GUIDES.





## SAVE AND EARN MONEY WITH CPOWERED ENERGY EFFICIENCY

## Complete the Project. Save on Energy.

The moment your organization completes an energy efficiency (EE) project, you begin to realize savings on your energy bill.



#### Earn Additional Revenue in PJM's Capacity Market

As a licensed curtailment service provider (CSP), CPower can then offer your reduced capacity into PJM's capacity market, turning your "NegaWatts" into another revenue stream.





Your EE project will continue to earn revenue from PJM for 4 years after completion.
Savings continue forever.



#### **CPOWER'S PJM TEAM**



Danielle Bond - Senior Engineer, Jim Rybarczyk - Account Manager, Beatrice Gockley - Act 129 and Utility Programs Manager, Bill Oosterom - Account Executive, Donna Karas - Account Manager, Cathy Smith - Senior Analyst, Mark Steliotes - Account Executive, Jackie O'Mara - Account Manager, Corey Pettingill - Project Manager, Dave Resler - Account Executive, Leigh Ann Ratliff - Account Manager, Dailey Tipton - VP/General Manager, Dann Price - Executive Director, Market Development, Rocco Venuto - Account Executive, Raymond Berkebile - Senior Director of Engineering, Operations, Suzanne Levine - Account Executive, James Disabato - Project Manager, Stephanie Tray - Analyst, Meg Kelly - Senior Director, Energy Efficiency.

At CPower, we understand that energy management is not a one-size-fits-all endeavor.

That's why we take the time to learn about the intricacies of your business.

Then we work with you to create customized curtailment strategies that enable your organization to earn revenue from energy you didn't use, without disrupting your day-to-day business.

Your CPower team will be with you every step of the way.
Always.



## CPOWER HELPS YOU GET THE MOST FROM YOUR ENERGY EFFICIENCY PROJECT

Your CPower Energy Efficiency Team has three of the most experienced EE engineers in the PJM market. Together they have helped thousands of EE projects realize their full potential. Their detailed analysis of your facilities will ensure that when it comes time to submit your project to PJM, your organization receives the maximum value in both incentives and capacity revenue.

CPower's track record as a measurement and verification (M&V) provider in PJM is proven and unrivaled in the industry. It's not uncommon for our EE team to uncover 10 times the revenue value for our customers, compared with our competition.

Our streamlined and efficient process gets your project to PJM and your reduced capacity into the market faster, returning revenue to you sooner.

Fast, efficient, and scalable. That's energy efficiency... The CPower Way.



#### **MAXIMIZING YOUR ENERGY EFFICIE**

#### One EE Project begets another...

The savings and earnings created by one EE project can help fund additional projects, which can further streamline your energy savings and generate more revenue for your organization.

#### Combine EE with demand response for maximum value and earnings...

There has never been a better time to participate in energy efficiency AND demand response (DR). That's because the changing nature of PJM's Reliability Pricing Model (PJM's Capacity Market) favors capacity offerings from both demand response and energy efficiency resources.

When you participate in EE and one of PJM demand response programs—Capacity, Economic, Synchronous Reserves you can open new revenue streams, allowing your organization to more quickly realize the return on investment (ROI) of your energy efficiency projects.



**Demand Response Emergency Capacity** Synchronized Reserve Economic Demand Response

(Click on the above logo to learn more about PJM DR)



## **HOW MUCH WILL MY PROJECT EARN?**

| SAMPLE LIGHTING PROJECT   |                                |                       |   |   |   |   |  |
|---|--------------------------------|-----------------------|---|---|---|---|--|
| Average Savings on Electric Bill Cost (Project Savings) X 4 Years |                                |                       |   |   | \$19,355                                      |   |  |
| Original kW (avg)<br>220 kW                                       | EE Improved kW (avg)<br>125 kW | EE Load Drop<br>95 kW | Year 1 kW Value<br>(avg all zones)<br>\$2,178 | Year 2 kW Value<br>(avg all zones)<br>\$1,219 | Year 3 kW Value<br>(avg all zones)<br>\$1,672 | Year 4 kW Value**<br>(avg all zones)<br>\$1,689 | Total Capacity<br>Earnings<br><b>\$6,758</b> |
| 4-Year Project Savings and Earnings (estimate*)                   |                                |                       |   |   |   | \$26,113  |  |

| CHILLER PLANT VFD PROJECT   |                               |                       |   |   |   |   |  |
|---|-------------------------------|-----------------------|---|---|---|---|--|
| Average Savings on Electric Bill Cost (Project Savings) X 4 Years |                               |                       |   |   | \$14,400                                      |   |  |
| Original kW (avg)<br>149 kW                                       | EE Improved kW (avg)<br>89 kW | EE Load Drop<br>60 kW | Year 1 kW Value<br>(avg all zones)<br>\$1,375 | Year 2 kW Value<br>(avg all zones)<br>\$770 | Year 3 kW Value<br>(avg all zones)<br>\$1,056 | Year 4 kW Value**<br>(avg all zones)<br>\$1,067 | Total Capacity<br>Earnings<br><b>\$4,268</b> |
| 4-Year Project Savings and Earnings (estimate*)                   |                               |                       |   |   |   | \$18,668  |  |

<sup>\*</sup>Estimated savings for load reduction over 4 years
\*\* 4th year based on 3-yr. average.



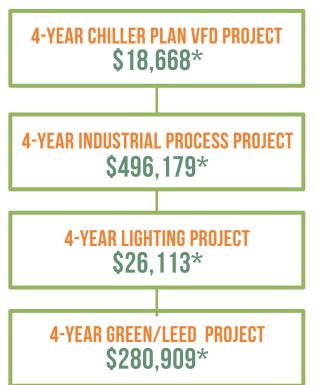
## **HOW MUCH WILL MY PROJECT EARN?**

| SAMPLE GREEN / LEED BUILDING PROJECT                              |                                 |                        |  |  |  |  |   |
|---|---------------------------------|------------------------|--|--|--|--|---|
| Average Savings on Electric Bill Cost (Project Savings) X 4 Years |                                 |                        |  |  | \$224,000                                      |  |   |
| Original kW (avg)<br>3210 kW                                      | EE Improved kW (avg)<br>2410 kW | EE Load Drop<br>800 kW | Year 1 kW Value<br>(avg all zones)<br>\$18,337 | Year 2 kW Value<br>(avg all zones)<br>\$10,264 | Year 3 kW Value<br>(avg all zones)<br>\$14,081 | Year 4 kW Value**<br>(avg all zones)<br>\$14,227 | Total Capacity<br>Earnings<br><b>\$56,908</b> |
| 4-Year Project Savings and Earnings (estimate*)                   |                                 |                        |  |  | \$280,909                                      |  |   |

| SAMPLE INDUSTRIAL PROCESS PROJECT                                 |                                 |                         |  |  |  |  |   |
|---|---------------------------------|-------------------------|--|--|--|--|---|
| Average Savings on Electric Bill Cost (Project Savings) X 4 Years |                                 |                         |  |  | \$366,000                                      |  |   |
| Original kW (avg)<br>5050 kW                                      | EE Improved kW (avg)<br>3220 kW | EE Load Drop<br>1830 kW | Year 1 kW Value<br>(avg all zones)<br>\$41,946 | Year 2 kW Value<br>(avg all zones)<br>\$23,478 | Year 3 kW Value<br>(avg all zones)<br>\$32,210 | Year 4 kW Value**<br>(avg all zones)<br>\$32,545 | Total Capacity<br>Earnings<br>\$130,179 |
| 4-Year Project Savings and Earnings (estimate*)                   |                                 |                         |  |  |  | \$496,179  |   |

## **DEMAND RESPONSE FACTOR**

#### **ENERGY EFFICIENCY AND DEMAND RESPONSE**





4-YEAR
SAVINGS/
EARNING
POTENTIAL
\$1,358,893\*

\* Estimated values based on demand response contribution, energy cost savings and 4-yr EE credit values.



### **ENERGY EFFICIENCY QUALIFYING PROJECTS**

#### **Qualifying projects include:**

- Lighting
- Refrigeration
- HVAC
- Motors
- Variable-Frequency Drives (VFDs)
- Compressed Air
- Industrial Process Improvements
- Weatherization/Building Envelope
- LEED/Green Building
- New construction projects exceeding industry standards

#### Non-Qualifying projects include:

- Non-permanent Loads Reduction
- Load-shifting
- Behavioral Changes
- Programmable Thermostats
- Dispatchable Resources
- Generators (Gas, Solar, Wind)
- Fuel-switching



## **ENERGY EFFICIENCY**

#### **Program Parameters and Requirements**

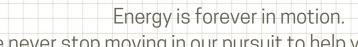
| Minimum Size                    | 100 kW aggregated   |
|---------------------------------|---|
| Lead time                       | No events or dispatches, only measured and verified permanent load reduction during PJM's performance hours   |
| Compensation                    | \$/kW rates based on zone and enrollment years  |
| Compliance Period               | Project must be able to be measured to show demand reduction between the hours of 2pm – 6 pm, June – August excluding weekends and NERC holidays. Starting in June 2020 enrollments, projects will also require permanent load reductions during Jan – Feb, 7am – 9am and 6pm – 8pm |
| Enrollment Deadline             | 15 business days prior to June 1st , typically around May 10th  |
| Measurement and<br>Verification | Verification of average permanent load reduction during PJM peak  |

## **ENERGY EFFICIENCY**

#### **Project Eligibility**

Assuming your project has been offered into PJM's Regional Pricing Model (RPM) within the first year following completion, the project qualifies for the next four enrollment periods per the outlined chart below:

| Installation Period  | Fully Installed<br>June 1 of: | Remaining Eligible Delivery Years *Remaining eligible years bolded in orange |
|----------------------|-------------------------------|--|
| June 2014 - May 2015 | 2015                          | 2015/16, 2016/17, <b>2017/18, 2018/19</b>                                    |
| June 2015 - May 2016 | 2016                          | 2016/17, <b>2017/18, 2018/19, 2019/20</b>                                    |
| June 2016 - May 2017 | 2017                          | 2017/18, 2018/19, 2019/20, 2020/21   |
|                      | Beyond                        | Next four (4) program years  |



At CPower, we never stop moving in our pursuit to help your organization optimize its demand-side energy management.



To get started offsetting your energy spend with the
PJM Energy Efficiency Program
Call 844-276-9371 to speak with a CPower team member
and schedule a no-obligation earnings assessment for your organization
or visit us online at CPowerEnergyManagement.com/pjm-energy-efficiency/