

FEATURED SOLUTION

Power Factor Correction

Are You Being Charged for Wasted Power?

Wasted power charges on your utility bill are quite common. These charges are the result of a gap between the total power being delivered to the facility and the total power being used by the facility. Typically, if a facility is using less than 85-95% of the power delivered, the utility will charge a fee or "Power Factor Penalty." This penalty can be thousands of dollars per month depending on the severity of the gap.

Ally Energy Solutions Can Identify and Correct Power Factor Gaps in Your Facility, Helping You Save Thousands Per Month in Penalties and Fees

Problem

Electrical power loads often use reactive power that results in penalty charges.

Identification

Utility bill analysis indicates whether reactive power usage is resulting in penalty charges.

Solution

Power Factor Correction is achieved through the installation of on-site energy capacitors that supply the facility's reactive power, and minimizes the gap between power being delivered and power being used. This brings down utility costs and eliminates Power Factor Penalties, which can amount to thousands of dollars per month depending on the size of the facility.

1. On-Site Capacitors Supply the Reactive Power [kVAR]
2. Total Power [kVA] Delivered by the Utility is Reduced
3. Working Power [kW] Moves Closer to Matching Total Power [kVA]
4. Power Factor Penalty is Eliminated
5. Overall Energy Use is Reduced
6. Quantifiable and Verifiable Utility Bill Savings \$\$\$\$

With Power Factor Correction

**Our Clients Save
While Improving
Operational Efficiency**

Walmart 




INTERNATIONAL
PAPER


Georgia-Pacific

Johnson
Controls 



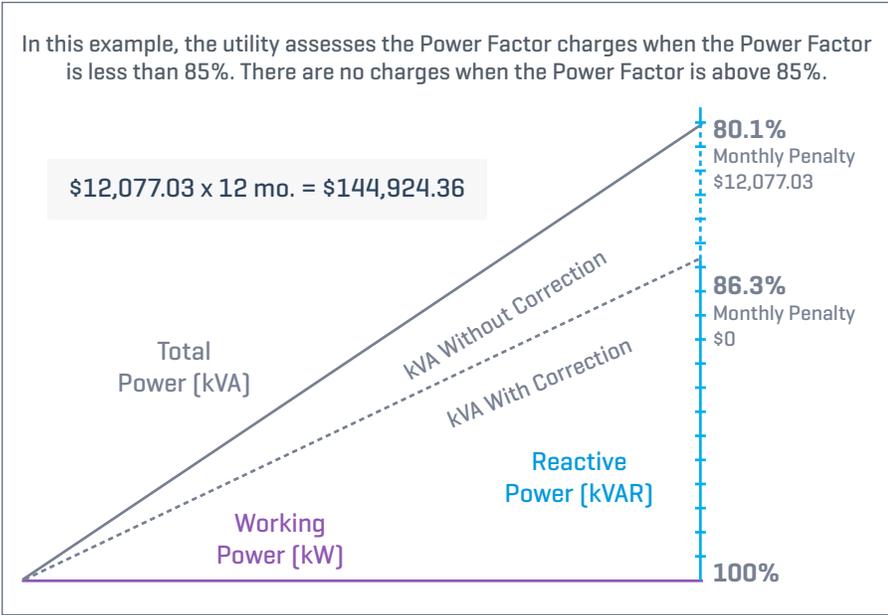
THE TEXAS A&M
UNIVERSITY SYSTEM

Visit: www.ally-energy.com for More Information



Power Factor by the Numbers

Ally's Power Factor Correction Team Helped This Client Save \$144K+ Per Year in Penalty Fees



Total Power [kVA] – The total amount of power supplied by the utility company.

Reactive Power [kVAR] – The non-working power, or power that is delivered to the facility but never gets used – “wasted power.”

Working Power [kW] – The power being used at equal or near equal rate of utility supply and facility demand. The Power Factor is determined by dividing working power [kW] by total power [kVA]. The result is the reactive power [kVAR]. The Power Factor is the measure of a system’s efficiency, based on this equation.



A Reliable Four Step Process

Audit, Visit, Install & Verify

1. Utility Bill Audit

We'll examine your paper utility bills or online utility bill database to conduct a targeted review. Then, we'll compile the findings and present a preliminary order of magnitude calculation for costs and savings.

2. Site Visit

If the project is determined to be economically viable, Ally will complete a site visit in order to verify the estimated financial return.

3. Turnkey Installation

With approval, Ally will provide a turnkey Power Factor Correction solution including all engineering, materials, labor, and equipment.

4. Measurement & Verification

After project completion, Ally will measure and verify the new Power Factor to guarantee system performance and validate potential savings.

Let's Get Started!

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