

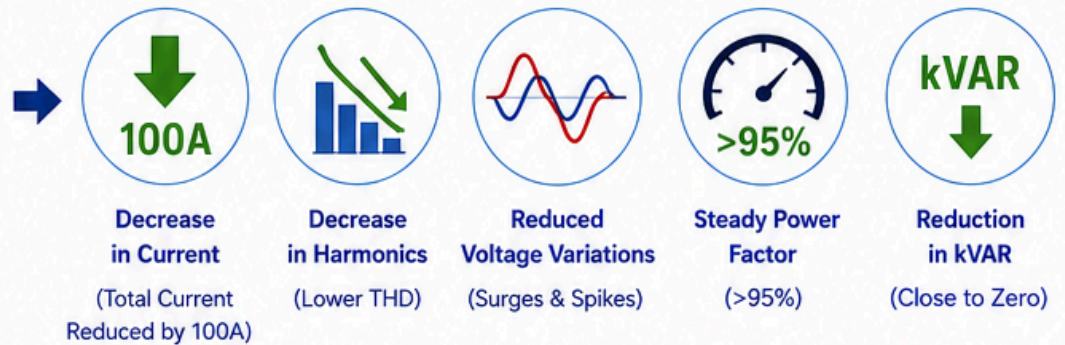
Accentz, Inc.

Engineering & Technology
Solutions

POWER QUALITY DRIVES REAL SAVINGS

MPTS Power Management Controls System™ improves power quality—lowering peak demand (kW) and energy use (kWh) to reduce utility bills.

HOW POWER QUALITY IMPROVEMENTS REDUCE UTILITY COSTS



RESULT:
Lower Peak Demand (kW) &
Lower Energy Use (kWh)
= **LOWER UTILITY BILLS**



IMPACT ON UTILITY BILLS

PEAK BILLED kW REDUCTION

Lower Demand Charges

BEFORE MPTS

1,000 kW

AFTER MPTS

900 kW

100 kW
REDUCTION

Utility Demand Rate Example: \$22 per kW-month

ANNUAL DEMAND SAVINGS:

100 kW x \$22 x 12 = **\$26,400**

ENERGY (kWh) REDUCTION

Lower Energy Charges

BEFORE MPTS

1,500,000 kWh

AFTER MPTS

1,350,000 kWh

150,000 kWh
REDUCTION

Utility Energy Rate Example: \$0.12 per kWh

ANNUAL ENERGY SAVINGS:

150,000 kWh x \$0.12 = **\$18,000**



**TOTAL ESTIMATED
ANNUAL SAVINGS**

\$44,400

(Example Only)

Improved power quality doesn't just protect your equipment—it delivers measurable and recurring utility bill savings.



Improved
Reliability



Extended
Equipment Life



Reduced
Downtime



Lower
Maintenance Costs

MEASURE. MANAGE. CORRECT. SAVE.



www.accentzinc.com



303.791.7777



Colorado (HQ)

Accentz, Inc.

Engineering & Technology
Solutions

SYSTEM EFFICIENCY VS. EQUIPMENT EFFICIENCY



If an energy conservation measure saves **15%** at the equipment but causes a **4%** increase in electrical distribution losses, should the project still be reported as a **15%** savings?

UTILITY /
TRANSFORMER



Energy enters
the facility

ELECTRICAL
DISTRIBUTION
SYSTEM



Distribution system
delivers power—
losses occur

ENERGY
CONSERVATION
MEASURE (ECM)



ECM improves
equipment
efficiency

EQUIPMENT /
LOAD



More efficient
equipment uses
less energy

LOSSES REDUCE THE ESTIMATED SAVINGS



15%

**EQUIPMENT
SAVINGS**

Savings at the
equipment level

—



4%

**INCREASED
DISTRIBUTION
LOSSES**

Losses added by the
electrical distribution system

=



**ACTUAL
SYSTEM-LEVEL
SAVINGS**

The verified savings are
less than the equipment
savings alone.



Many audits focus on equipment efficiency, while the electrical distribution system can either **preserve or erode** those gains. Evaluating both provides a more complete assessment of actual energy performance and project economics.



**MEASURE THE COMPLETE ELECTRICAL SYSTEM—
NOT ONLY THE EQUIPMENT—
TO VERIFY TRUE SAVINGS AND PROTECT PROJECT ECONOMICS.**



www.accentzinc.com



303.791.7777



Colorado (HQ)