

## Get ahead of the Power Curve



Are you handling the demands of today's new power technologies?

**Energy Management Corporation Industrial Services** can help you get ahead of the **Power Curve**:

it is becoming more difficult to control & analyze new technologies (i.e. Variable Frequency Controllers, UPS, Computers, Automated controls, etc.).

Many of the electrical environments of today and yesterday are not capable of handling the demands of the nonlinear loads from new technologies.

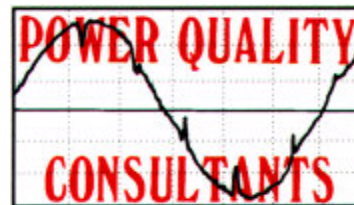


Lately, the growing concern for **energy conservation** and the **cost savings** of using the new technology has increased the need for our expertise in **Power Quality**.

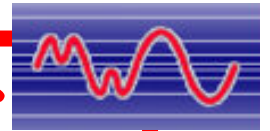
For years, We at **Energy Management Corporation** have been providing these, and other, services to residential, commercial and industrial customers throughout the intermountain west; most notably Utah Power.

# Contact the experts

501 West 700 South  
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# Power Efficiency



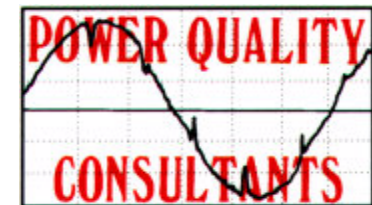
Presented by  
*Energy Management Corporation*



## Are you being penalized at your facility for **not using power efficiently?**

- Lower costs
- Utilize power
- Less downtime
- Non-invasive

## The experts



## are here

# Power Quality Consultants, Making Power Efficient Again.

## Transient Voltage Surge Suppression (TVSS)



### Preventive Maintenance Profile Analysis

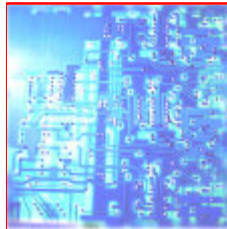
**Objective:** To review your electrical distribution with non-invasive instrumentation and to determine the present condition of your electrical distribution system.

The data collected will be used to determine what repairs are needed and create a history reference for future preventative maintenance inspections.



### Systems We Evaluate:

- ✓ Main Service Entrance
- ✓ MCC's
- ✓ Switchboards
- ✓ Panelboards
- ✓ Transformers
- ✓ UPS's
- ✓ ATS Switches
- ✓ Generators, etc.



A **Final Report** with results and findings will be provided. It will focus on suggesting solutions to correct power quality problems found during the profile analysis.

## Power Factor Correction

### General Audit for Power Factor Correction

**Objective:** To eliminate the power factor penalty.

In the West, the utility company will charge their customers a penalty for a power factor adjustment or demand charge.



In most cases, this penalty charge is based on an established power factor reading taken at the common point of a coupling, or metering point in the utility.

**Adding power factor correction capacitors will eliminate this penalty.**



The **Power Correction Audit** will determine what Kilovolt-Amperes, KVAR, capacitors are needed to **eliminate the penalty**.

*We suggest using these as part of a package. These are recommended based on past power bills.*

## Other Power Quality Services

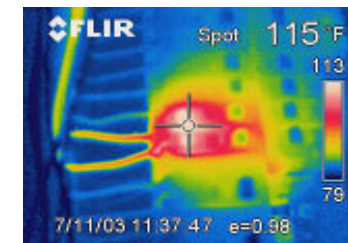


### Testing Services:

- ✓ Electrical Distribution Analysis
- ✓ Electrical Parameters Analysis
- ✓ Electrical Disturbance Analysis
- ✓ Harmonic Analysis
- ✓ Power Factor Correction
- ✓ Infrared (IR) Surveys
- ✓ Demand Analysis, etc.

### Engineering Services :

- ✓ Harmonic Filters
- ✓ RFI/EMI Filters
- ✓ DV/DT Long Lead Filters
- ✓ Line Reactors
- ✓ AC Filtered Power Supplies
- ✓ Variable Frequency Drives
- ✓ Uninterruptible Power Supplies (U.P.S.)
- ✓ Power Strips



**Contact Us At: (801) 366-4100 PH  
(801) 487-7437 FX**