LODESTAR

DISPATCHABLE IRRIGATION LOAD CONTROL SYSTEM

REMOTE MONITORING & CONTROL

OF HIGH VOLTAGE PUMP & IRRIGATION SYSTEMS

FOR ELECTRIC DEMAND SIDE MANAGEMENT

M2M communications

MACHINE TO MACHINE | WEB TO WIRELESS

www.m2mcomm.com

LODESTAR

M2M communications

Large loads such as irrigation pumps can play a big part in DSM. A relatively small number of sites can contribute a significant amount of load shedding:

What are the benefits of M2M DSM?

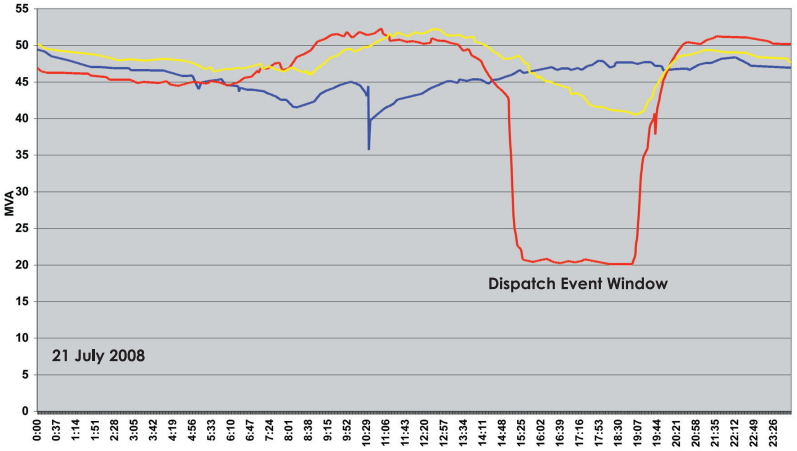
- Reduced customer energy bills
  Reduced need for new power plants, transmission & distribution networks
- Reduced air pollution
- Reduced dependence on foreign energy
- Reduced peak power prices for electricity
- Reduced likelihood of future electricity shortages

How is the M2M product different?

Two-way Lodestar products from M2M are designed specifically for high voltage, outdoor applications. A variety of advanced options are highly valued by growers:

- Controls and monitors pivot and linear irrigation systems by Internet or phone
- Sends text and phone-based notifications when changes occur
- Reports AC power outages, water usage, and run times
- Saves time and fuel
- Works with all brands of irrigation equipment

ACTUAL LOAD DISPATCH EVENT



The Lodestar system has been optimized specifically for Irrigation Load Control:

- High voltage control unit, designed for outdoor environments
- Two way communications – anywhere
- High performance web-based Network Operations Center (NOC)
- Field tested, utility proven
- Dispatch on demand
- Web-based monitoring and control
- Customer notification and opt-out capabilities
- Complete measurement and verification data

Lodestar Network Operations Center:

- Maintains complete on-line information for every site, and organizes the sites and equipment into logical groups
- Maintains a secure connection to the field units through multiple wireless carriers
- Provides secure, web-based access to utility operators, as well as to individual equipment owners.
- Receives, processes, stores, displays, and acts upon incoming data reports
- Sends control and configuration commands to the field units
- Sends equipment status change and dispatch notifications to all users
- Manages the complete dispatch process, including customer notifications and opt-outs
- Maintains a complete history log of all events

M2M remote monitoring and control solutions are the smart way to manage your Electric Demand Side Management needs.