

We are more than satisfied with the Energy Director, the system is exceeding our expectations.

Philip Linssen, Owner

Case Study:



San Diego Ice Arena, San Diego, California

Initial Load Management Requirement:

Ammonia Compressors, Cooling Tower, Air Handling Equipment

Expanded Load Management to Include:

Timer functionality, Scheduling, Alarm Notification

Powerit Solution Provided:

Average Peak Demand Reduction: **50kW/month**

Peak Demand Savings: **18%**

Total ROI at SDIA: **16 months**

Powerit Solution Installed:

Energy Director, 2002

The **San Diego Ice Arena** has been in operation for over 40 years. All original refrigeration equipment is still in use, with some updated components. The Ice Arena has one ice surface, 80' x 200', and the total size is approximately 60,000 square feet.

Initially the Energy Director was used only for power demand control only. Having experienced no problematic effects, it now manages additional tasks: timer functionality, scheduling and alarm notification, further reducing electric utility costs.

Lower operating costs in recreational facilities enhance property value, improve the ability to compete for tenants, and increase the borrowing capacity of the owner. For recreational property owners, the cost of the Energy Director can usually be passed along to tenants since it is an investment that produces cost savings, thus an allowable expense in most leases.

Commercial facilities using the Energy Director have reduced peak demand and experienced 5 – 10 percent reductions in total energy bills, receiving payback on investment in less than two years. Loads can be regulated while maintaining overall conditions within desired ranges. Additionally, some loads may be deemed discretionary and, during periods of peak demand, shut down completely. Typical loads that the Energy Director optimizes include:

- Heating
- Ventilation
- Air Conditioning (HVAC)
- overhead and parking lot lighting
- Steam and Hot Water Boilers.
- refrigeration
- compressors
- freezer units



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demand more from the energy you use