

**A.O.
Reed
&Co.**

SINCE 1914



AIR CONDITIONING HEATING

PLUMBING A.O. REED & CO.

CASE STUDY

A.O. REED & CO.

Prior to engaging our clients in comprehensive energy saving programs, we were determined to first take the plunge here at home on our 3 acre corporate headquarters in San Diego.

A STUDY IN ENERGY EFFICIENCY

A.O. Reed & Co. Corporate Office

We know that a major retrofit can be disruptive to the occupants of the building, so the goal for our corporate facility was twofold — live the experience we are proposing to our clients, and only implement energy saving measures that achieve a 10-year payback or less. We began with a full building analysis and set forward with the following project:

- » Complete Optimization and Replacement of our (very well maintained) 38-year old HVAC Systems
- » Total Retrofit of the Lighting Systems, complete with Motion Sensors
- » Energy Saving Window Film
- » Installed Energy Management System to control HVAC, Water, and Lighting Systems
- » Integrated SDG&E Pulse Meter to control kW demand through the Energy Management System
- » Replaced Roof with a Cool Roof
- » Added a 140kW Photo-Voltaic Array to generate about 67% of our Electrical Consumption
- » Retrofit of Plumbing Fixtures with Water-Free and Pint-Flush Urinals, Dual Flush Toilets and Efficient Low Flow Faucets
- » Developed and Installed Water-Sub-Metering and Trending System to identify Internal vs. Irrigation water usage
- » Set Water Consumption Alarm Systems for Leak Monitoring

We are exceptionally proud of the recognition we have received from the community. Not only did the U.S.Green Building Council select A.O. Reed & Co. to showcase their 2010 Earth Day Fair, but SDG& E also awarded us with the 2010 "Energy Champion Award".



CONTRACTOR'S LICENSE #7731



FINANCIALS

Total Project Cost:
\$ 1,234,942

Total Incentives:
\$ 284,184

Net Cost after Incentives:
\$ 950,758

AT CURRENT RATES

Annual Energy Savings:
\$ 105,948

R.O.I. **8.97 years**

The results are best described by the smiling words of our CFO, Clyde Blyleven, "I cannot wait to see our next energy bill!"

For more information please visit
www.aoreed.com



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