

Lighting Upgrade Saves Energy for Organization Dedicated to Saving Lives

Medical Teams International (MTI) responds to disasters and mobilizes long-term health initiatives in 70 countries from their headquarters in Tigard, Oregon. This charitable organization is used to giving, but was thrilled to be on the receiving end of two lighting upgrade projects coordinated by Evergreen Consulting Group in 2012 and 2013.



“This is a gift that keeps giving to Medical Teams International. The project costs were donated, plus the continued energy savings are like an \$11,000 donation check each year that can go a long way in supporting their work around the world.”

Roger Spring, President
Evergreen Consulting Group

Every year, Evergreen rallies trade allies, clients and employees to donate a “Giving Back” lighting retrofit project for a local charitable organization. The Evergreen team followed up a successful warehouse lighting upgrade at MTI in 2012 by installing new interior and exterior lighting at the main office building in 2013.

Pay it Forward Through Giving Back

Throughout the year, Evergreen works with clients to improve lighting efficiency and quality. The annual Giving Back project is an opportunity for employees and other key partners to share their expertise with a nonprofit organization. At MTI, the new, high-performance lighting, installed at no cost, improves the work environment for employees and volunteers, while saving money on energy costs. The nonprofit can apply the cost savings instead to the beneficial work it does around the world. “The new lighting is a truly practical blessing that will positively impact the work we do each day to help those affected by disaster, conflict, and poverty around the world,” said Steve Vickers, VP, Operations Support, Medical Teams International.

PROJECT SUMMARY

2012 Warehouse Lighting Upgrade

- T8 and T5HO fluorescent fixtures

Results

- Estimated annual energy savings: 45,019 kWh
- Estimated annual average energy cost savings: \$3,596

Discounts and Donations

- Alderbrook and Associates
- The Light Edge
- Philips Lighting
- Three Phase Electric



As part of the Giving Back program, Evergreen President Roger Spring invites employees to suggest charitable organizations for each year's project. Lighting Specialist Jennifer Blake initiated contact with MTI after hearing a news story about them. Roger was so impressed by both MTI's work worldwide and lack of adequate lighting in the warehouse, that he expanded the 2012 project scope and extended the relationship for the 2013 project as well.

Trade Partners are Essential

The Giving Back projects could not occur without the generosity and resources of lighting trade partners. Evergreen approaches key lighting suppliers and installers, inviting them to participate by discounting or donating supplies and services. The response has been enthusiastic and generous in the form of donated and discounted products and services totaling tens of thousands of dollars each year.

Lighting Gets a Boost Inside and Out

In 2012 and 2013, a team of volunteers and professionals spent a few days retrofitting lighting throughout MTI's facility. These projects together have reduced energy use by an estimated 143,000 kilowatt-hours, which adds up to approximately \$11,000 in annual energy cost savings.

2012—Warehouse Lighting Upgrade

Three Phase Electric and a group of more than 10 Evergreen employees spent two days (80-plus hours) installing fixtures in MTI's 10,000 square-foot warehouse. The team replaced existing lighting with high-efficiency fluorescent fixtures and added occupancy sensors to further improve energy savings. Trade allies donated all of the lighting, valued at \$21,500.



2013—Interior and Exterior Lighting Improvements

Modern Electric and a team of 18 Evergreen and four client volunteers logged more than 150 hours over three days to upgrade lighting inside and out at MTI's two-story office building. Evergreen invested nearly \$49,000 in products and labor, much of it supplied by vendors at reduced rates, plus secured close to \$5,000 more in outright product donations.

The new lighting offers several benefits for MTI:

- Saves energy and utility costs by reducing energy consumption
- Improves productivity, aesthetics and morale through better light quality
- Reduces future expenses by lowering maintenance and repair costs

2013 Office/Exterior Lighting Upgrade

Interior

- 267 high-performance retrofit kits
- Six new 2x2 LED troffers
- 31 LED replacement lamps

Exterior

- 24 LED wall packs, recessed can fixtures and parking lot pole lights

Results

- Estimated annual energy savings: 95,972 kWh
- Estimated annual average energy cost savings: \$7,395

Discounts and Donations

Extra Effort Consulting and Supply

Harry L. Stearns

Lutron

Modern Electric Services

Pacific Energy Concepts

Pacific Lamp Wholesale

Platt Electric Supply

Portland Lighting

Visit www.medicalteams.org for more information on Medical Teams International.

Evergreen Consulting Group develops and implements commercial, industrial, and residential energy-efficiency programs for utilities and organizations across the country.

To learn how we can put our expertise to work for you, contact Dave Backen at dave.backen@evergreen-efficiency.com.