

## Sustainability Takes Flight

MPAD recently completed the final phase of the **Airport Energy Lighting Program** in January 2012, retrofitting all of the parking areas and airfield ramp lighting at the Airport. Energy efficient induction (ECH-ED) lights were installed. In some of the parking areas a lighting solution was chosen that increases safety while optimizing energy savings. Inefficient lighting fixtures were replaced with EverLast® Bi-Level Induction luminaires. Each fixture is equipped with a Lume-wave wireless controller and an occupancy sensor that allows the installation to operate as a system that can determine an occupant's direction of travel. These controls are combined with dimmable induction lighting to reduce total energy use when no movement is detected in that area.

Again, the Airport District teamed with the Association of Monterey Bay Area Governments (AMBAG), Ecology Action's *RIGHTLIGHTS Energy Efficiency Program* implemented through Lumenature; and the Pacific Gas and Electric Company (PG&E) by applying for incentives and receiving rebates offered by the AMBAG Energy Watch Program.



The AMBAG Board of Directors recognized the Monterey Peninsula Airport District, at the August 2011 Board meeting, with an **Energy Efficiency Leadership Award in recognition of Innovation in Energy Efficiency** for the fantastic work accomplished at the airport to maximize energy efficiency. By participating in Energy Watch and RIGHTLIGHTS Energy Efficiency Program, the Monterey Regional Airport has taken a leadership role in the region. These measures have demonstrated how to better manage energy use, reduce operating costs, and help protect the environment.

The lighting retrofit project that began in 2009 is expected to reduce energy use by 420,000 kWh's per year, a savings of approximately \$55,000, annually.

According to "*Electrical Energy.*" *The New Book of Popular Science.* Grolier Incorporated. 2000 edition. 1998, "The average household in the United States uses about 8,900 kilowatt-hours of electricity each year." Using this calculation, the reduction in kWh's from the Airport Energy Lighting initiatives currently in place could power approximately 47 households per year.



January 2012

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**As MPAD continues to seek ways to enhance service to our customer, it strives to balance sustainability with necessary enhancements.**



In August 2011, the District completed the installation of Huper Optik Fusion 10 **Window Film** on the airfield side Terminal windows and doors. This Film will eliminate 99.9% of the Ultraviolet Light, 88% of the Glare and 77% of the Solar Energy while maintaining a clear and natural view. While being the most effective window film product available, it is designed for maximum performance while maintaining a natural aesthetic.

In December 2011, a **weather awning** was added to the front of the Terminal building that will provide passengers both protection from inclement weather as well as sun-shade protection while waiting for transportation.



As part of the Bay Area Corridor Project, the MPAD will be installing **three** ChargePoint® Networked Plug-In **Electric Vehicle Charging Stations**, by Coulomb Technologies in the spring 2012. In conjunction with the MPAD, this initiative is sponsored by: The Association Of Bay Area Governments, EV Communities Alliance, Ecology Action, Monterey Bay EV Alliance.



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