



COOL PLANET PROJECT SUCCESS STORY:

RAYTHEON SPACE & AIRBORNE SYSTEMS

INDUSTRY:

Aerospace and Defense

LOCATION:

El Segundo, CA (HQ)

WORKFORCE:

12,000 employees

GEOGRAPHIC PRESENCE:

Raytheon Company has global presence

ENERGY SAVINGS:

(2006-08): 22,148,000 kWh

GHG EQUIVALENT:

3,582 acres of carbon sequestering pine forests

Aerospace and Defense Company Offers Innovative Solutions to Climate Change

Raytheon's Space and Airborne Systems (SAS) is a leader in designing and developing integrated systems for crucial missions, including tactical aircraft sensors, space and missile defense technology, electronic warfare and precision guidance systems, and intelligence, surveillance and reconnaissance (ISR) systems. Raytheon SAS supports military and civil customers and is playing an increasing role in mission systems integration.

Energy Management & Savings

In only three years (2006-2008), SAS, El Segundo, has reduced energy consumption more than 14.5% simultaneously avoiding over 6,944 metric tons of greenhouse gases. Successfully implementing Southern California Edison's (SCE) many energy management programs, Raytheon participated in every Demand Response event in 2008, impressively reducing loads nearly 1.7 megawatts. In that same year, Raytheon SAS nationwide has achieved energy savings of over 7.86 million kilowatt-hours, with energy efficiency projects that include chillers and chilled water pumps, new air compressors and motor generator replacements, high efficiency lighting, building controls, filters, motors, dampers, and economizers and occupancy sensor light controls.

Tackling Climate Change, Reducing GHG Emissions

With the support of Southern California Edison, Raytheon has saved money, energy, and the environment. Raytheon's energy savings of more than 7 million kilowatt-hours in one year alone qualified Raytheon for the Cool Planet Project, earning them a complimentary year's membership to The Climate Registry. Measuring and reporting GHG emissions to The Registry provides Raytheon with accurate, third party verified data consistent across borders and industry sectors. Objective data enables Raytheon to quantify their progress in innovating and improving its sustainable operations and strengthens their voice as an environmental leader among industry peers and national policy makers.

Raytheon continues to successfully pursue GHG reductions. Raytheon SAS signed California's Energy Pledge in 2006 and will exceed its promise of a 20% reduction of energy use by 2015. Raytheon Company, SAS corporate parent, voluntarily pledged to U.S. EPA to reduce GHGs by 33% from 2002 through 2009, normalized by sales. By the end of 2007, Raytheon achieved a 28% reduction toward this goal, avoiding over 140,000 metric tons of GHGs since 2002.

Instilling a Culture of Environmental Conservation

Employee education and communications form the cornerstone of Raytheon's robust conservation initiative. Using multimedia communications, they've changed employees' view of energy use, and their role in reducing consumption. Annual large-scale awareness events provide conservation tips to thousands of employees with participation from utilities and vendors, and include distribution of educational materials, product information, and the offer of free home energy audits. Raytheon's Energy Citizen initiative encourages employees to take a short quiz to test their knowledge of conservation while providing tips for conserving. More than 2,400 SAS employees have qualified and proudly display their Energy Citizen pins. Led by the California SAS energy team, Raytheon accepted the EPA's Change a Light Change the World challenge for three consecutive years. More than 12,700 employees have taken the pledge to change 43,000 incandescent bulbs to CFL's. The successful initiative even garnered an invitation from the California Public Utilities Commission (CPUC) to participate a CPUC education and outreach presentation and forum.

"Energy efficiency is incorporated from the ground up, starting with the individual. Training and education is as important as any energy saving project."

—Jon Jones, Raytheon SAS President