



# OPERATION CHANGE OUT MILITARY CHALLENGE

September 22, 2008

## Eighty-Four Military Bases Shift to Compact Fluorescents; Fort Drum, Camp Lejeune, Tobyhanna Lead the Way

Eighty-four military bases participated in ENERGY STAR *OPERATION CHANGE OUT – THE MILITARY CHALLENGE*, a joint effort between the United States Department of Energy and the United States Department of Defense to lower energy bills at our nation's bases. Launched on Earth Day, April 22, 2008, *OPERATION CHANGE OUT* helps service members and government employees save energy, save money, and protect the environment by replacing their inefficient incandescent light bulbs with ENERGY STAR qualified compact fluorescents (CFLs). Fort Drum, Camp Lejeune, and Tobyhanna stand out as leaders in the campaign.



Mountain Community Homes at Fort Drum is the largest ENERGY STAR labeled development in New York State.

### Fort Drum, NY

Actus Lend Lease is the designer/developer of on-post housing at Fort Drum, an Army installation located in Northern New York. Actus changed out 106,012 bulbs in 3,100 new and renovated residences at Mountain Community Homes, the largest ENERGY STAR labeled development in New York State. This is the largest number of light bulbs replaced at any one military installation. The new fluorescent bulbs reduce energy costs by approximately \$2,780,271<sup>1</sup> and carbon dioxide (CO<sub>2</sub>) emissions by 43.3 million pounds.

"Mountain Community Homes promotes environmental sustainability to our residents and in our business practices," said Joseph E. McLaughlin, Project Director, Fort Drum Mountain Community Homes. "The *OPERATION CHANGE OUT* campaign

is a perfect example of how an endeavor can positively influence the lives of our military families, teach conservation, generate fiscal savings and help achieve the environmental preservation goals we as an organization set."

### Camp Lejeune, NC

Other bases have far exceeded the goals they set for themselves. Camp Lejeune, a major amphibious training facility for the U.S. Marine Corps in North Carolina, pledged to change out at least one bulb in each of their 3,500 housing units. Instead, the base changed out 19,020 bulbs in nearly 5,000 DOD and Actus Lend Lease-managed housing units, exceeding its goal by 143 percent. The change out will save 5,363,640 kWh, \$498,819,<sup>2</sup> and 7,779,180 lbs of CO<sub>2</sub>.

Atlantic Marine Corps Communities (AMCC) is the partnership between the U.S. Department of Navy and Actus Lend Lease that develops, builds, renovates, finances, and manages private housing in Camp Lejeune and many other Marine Corps Installations.



Out with the old, in with the new. Secretary Bodman helps discard incandescent light bulbs at Camp Lejeune.

<sup>1</sup> Based on an electric rate of 9.3 cents per kWh.

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“AMCC is proud to have partnered with the DOE and DOD for the kickoff of *OPERATION CHANGE OUT – THE MILITARY CHALLENGE* in April,” said Kathleen Murney, AMCC General Manager. “Military families and civilians alike joined in on this simple, yet highly effective measure to continuously renew AMCC’s commitment to sustainability. *OPERATION CHANGE OUT* continues to inspire other military housing projects to follow our lead in becoming a champion of sustainability efforts.”

The U.S. Department of Energy and AMCC partnered in December 2007 to kick off the campaign. U.S. Department of Energy Secretary Samuel Bodman came to Camp Lejeune and switched out the very last home’s incandescent light bulb.

Camp Lejeune partnered with Progress Energy, which donated 1,500 bulbs for change out activities in buildings and barracks.

## **Tobyhanna Army Depot, PA**

Tobyhanna Army Depot, the largest full-service electronics maintenance facility in the Department of Defense, made special efforts to engage its personnel, reaching out to about 6,000 employees. On the morning of June 18, personnel were able to submit a pledge to receive a free CFL, purchased with the installation’s Recycling Fund. At the Employee Appreciation Day festivities that afternoon, personnel who had not already submitted a pledge and received a CFL were able to do so at the ENERGY STAR *OPERATION CHANGE OUT MILITARY CHALLENGE* tent. Tobyhanna had pledged to change out 2,414 bulbs. Due to its exemplary outreach, it has changed out 23,158 bulbs so far, for energy savings of 6,530,556 kWh, cost savings of \$607,342,<sup>3</sup> and CO<sub>2</sub> savings of 9,471,622 lbs.

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<sup>3</sup> Based on an electric rate of 9.3 cents per kWh.