



# *Executive Summary*

The Brea Energy Efficiency and Solar Power Project is a major component within an overall proactive approach the City of Brea has taken to become a more **responsible steward of the environment**. In addition, this project is proving to be an innovative business solution that helps address increased budget challenges as the City undertakes its mission of providing reliable, high quality public services.

The Project encompasses **major heating, ventilating, air-conditioning and lighting upgrades** at various city facilities, plus the replacement of all city street lighting. These upgrades and retrofits are complemented by construction of a new 1.8 megawatt capacity solar power system that has been installed across three city sites; the Brea Community Center, The Brea Civic & Cultural Center and the Berry Street water reservoir.

From an environmental perspective, saving energy is the right thing to do. However, this project will also produce direct savings for the City's water fund, as well as in the General Fund, which pays for many other City services. A **guaranteed \$13.2 million in net energy cost savings** will be realized over 25 years of operation, even after covering all costs of installing this project, including repayment of financing bonds. Energy grants and rebates have also helped to fund this project.

The various components have been activated in stages. As different retrofits to existing City facilities were completed, the subsequent electrical bills reflected immediate cost savings. Solar arrays at the Brea Civic & Cultural Center and Brea Community Center first came online in early April 2011.