

**County of Marin
American Recovery and Reinvestment Act
Streetlight Retrofit with Light Emitting Diode (LED) Fixtures**

January 2012 update

In April 2011 the County of Marin conducted a pilot program to evaluate LED streetlighting alternatives and demonstrate the difference between the existing High Pressure Sodium (HPS) lighting and the energy-efficient LED lighting. 16 LED fixtures were installed in the following five communities: Strawberry (Mill Valley), Santa Venetia (San Rafael), Loma Verde (Novato), Kentfield and Point Reyes Station. The pilot program demonstrated the installation feasibility and lighting intensities needed, and the County moved forward with soliciting competitive bids from qualified contractors to retrofit streetlight fixtures countywide. Nearly 1,500 streetlights are being retrofitted as part of the County's energy efficiency program approved by the Board of Supervisors. The new LED lights will lower the County's streetlighting energy costs by nearly 50% and reduce greenhouse gas emissions.

On September 27, 2011 the Board of Supervisors awarded the lighting installation contract to Republic ITS of Novato. Light installation began in December 2011 and, as of late January 2012, almost 1000 LED fixtures have been installed. Completion is expected in late February.

Some of the areas recently completed are Santa Venetia, Ignacio, Greenbrae, Strawberry, Tamalpais Valley, Oak Manor (Fairfax), and Sleepy Hollow (San Anselmo). Remaining areas to be completed are Stinson Beach, Bolinas, and Point Reyes Station.

The new LED fixtures being installed are classified as Full-Cutoff which prevents upward light output from the fixture and the fixtures comply with "Dark Sky" specifications. In some cases the County has also installed a small shielded around the outer light fixture to limit light into adjacent homes while maintaining light intensity on the roadway. This project is funded by the American Recovery & Reinvestment Act supplemented with a loan approved by the Board of Supervisors in June 2010. Contact us at streetlights@marincounty.org should have questions regarding this project.