

**Background:**

The City will be replacing all “cobra head” street lights in Albany from High-pressure sodium vapor (HPSV) to LED. Approximately \$400,000 in Federal Stimulus Funds (ARRA funds) for energy efficiency will be utilized for this project. This project has many “green” benefits including:

- CO<sub>2</sub> reduction: 170,042 Kg/year
- Energy savings: 324,506 kWh/year
- First Year Cost savings: \$28,374

The City Council approved the project in December 2010. The project is identified within the City’s Climate Action Plan as a means to reduce greenhouse gas emissions within the City. Additionally, improving lighting quality should provide better clarity at night for pedestrians, drivers, etc.

Other key advantages of LED street lights include:

- Improved night visibility due to higher color rendering, higher color temperature and increased illuminance uniformity
- Significantly longer lifespan
- Lower energy consumption
- Reduced maintenance costs
- Instant-on with no run-up or re-strike delays
- No mercury, lead or other known disposable hazards
- Lower environmental footprint



Photo of cobra head street light

**Project Start/End date:**

The anticipated start date is mid-April 2010. The anticipated completion date is May 31, 2010

**Project Area/Scope**

The City is contracting with PG&E, our local utility, who provides a “turnkey” street light retrofit program. All “cobra head” street lights within the City will be replaced with LED lights – a total of 640 lights. Cobra heads are the typical/standard street light within the City. All existing sodium vapor lights will be removed and recycled.

**Additional Questions:**

Ana Bernardes [abernardes@albanyca.org](mailto:abernardes@albanyca.org) (project engineer) field/contractor-related issues.

Nicole Almaguer [nalmaguer@albanyca.org](mailto:nalmaguer@albanyca.org) (project administrator) for any other issues.