



# Town of Sahuarita

## Public Works Department

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January 23, 2012

Mr. Curtis Moldenhauer  
EDG  
10415 S. 44<sup>th</sup> Place  
Phoenix AZ, 85044

**Subject: Town-Wide Induction Lighting Retro-fit**

Dear Curtis:

With the assistance of Fulham's, Robert (Bob) Kilburn and yourself, the Town of Sahuarita was able to successfully complete a Town-wide Induction Lighting retro-fit project funded through an Energy Efficiency Grant in partnership with the State of Arizona, Governor's Office of Energy Policy.

This project consisted of retro-fitting over 130 fixtures at five (5) Town owned facilities including; the Town Hall Municipal Complex, wastewater facility and three (3) Town parks. The endeavor was divided into nine (9) total projects based on location, facility use/need, and type of fixture.

The goals for this project included; achieve reduced energy usage, lower monthly/annual energy costs, maintain adequate light outputs and a product with increased useful life. We have identified, at one (1) location, energy savings of 79% year to date! A full analysis of the energy savings Town wide is still to be conducted but, we anticipate an overall energy usage savings of 40% - 65%.

The added benefits to the project are the significantly reduced maintenance costs (5-year warranty, up to 100,000 hours use), the increased light quality while reducing the lumen output. Note: The reduction in lumens greatly benefits the nearby observatories and meets the regional lighting ordinance).

The Town is pleased to be among the first jurisdictions in Arizona to use induction lighting at a Town-wide level, and is thus far happy with the results we have seen.

Thank you for your continued assistance in partnering with the Town to deliver this project. We look forward to continuing the use of this and other new technology as our Town continues to grow.

Sincerely,

**TOWN OF SAHUARITA**



Farnad Moghimi, P.E.

Asst. Town Manager/Town Engineer

C: Jim Stahle - TOS  
Tommy Garcia - TOS  
Pat Reeb - Brown Wholesale  
Bob Kilburn - Fulham