



NOMINATION FORM



H. R. LABOUNTY SAFETY AWARD PROGRAM

AGENCY: Helix Water District

Employee Nominated:

Name: David Reagan, SCADA/Instrumentation/Electrical Tech III (SIET)
Jeremy Boone, SCADA/Instrumentation/Electrical Tech II (SIET)
Kyle James, SCADA/Instrumentation/Electrical Tech III (SIET)

Reason for Nomination: The District owns and operates a boat dock at its Lake Jennings facility. Electrically powered lighting mounted on light poles is installed on the dock to provide illumination during early morning and evening hours. Power is also required in the boat house for general purpose use such as charging radios and cell phones for staff communication.

The dock had been powered by a submerged electrical cable. Recently this cable became damaged and required replacement. Upon removal, it was discovered the cable was not only damaged but some of the insulation was degraded. The electrical staff originally considered replacement in-kind with another cable rated for submerged service. However, they recognized that a submerged cable cannot be inspected. And, although designed for this type of installation, they did not want to chance the potential for insulation degradation over time and a hazardous situation for both employees and customers.

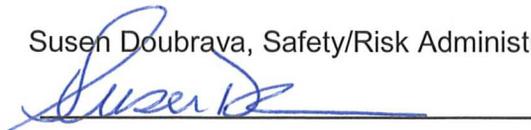
The team evaluated their options and determined the safest and most cost effective course of action was to install a solar system. Not only is this a much safer electrical condition, it is more "green" and energy efficient. Additionally, the light fixtures were replaced with LED bulbs. These bulbs provide even brighter illumination with much better visibility. They also have a longer life which minimizes the need for servicing and the generation of hazardous waste.

The system was designed and installed using mainly spare parts. Purchased parts cost less than \$1,000. The system was installed and functional in less than a week.

Kudos to these individuals for their creativity and consideration of safety issues for Helix customers that visit our dock and the employees who work there.

Nominated by: Susen Doubrava, Safety/Risk Administrator

Signature:

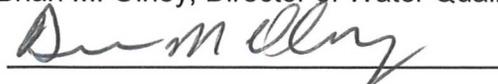


Date: 1-8-18

Reviewed by:

Brian M. Olney, Director of Water Quality/System Operations

Signature:

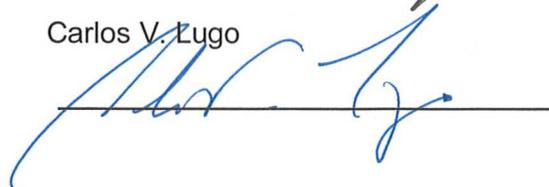


Date: 1/9/18

General Manager:

Carlos V. Lugo

Signature:



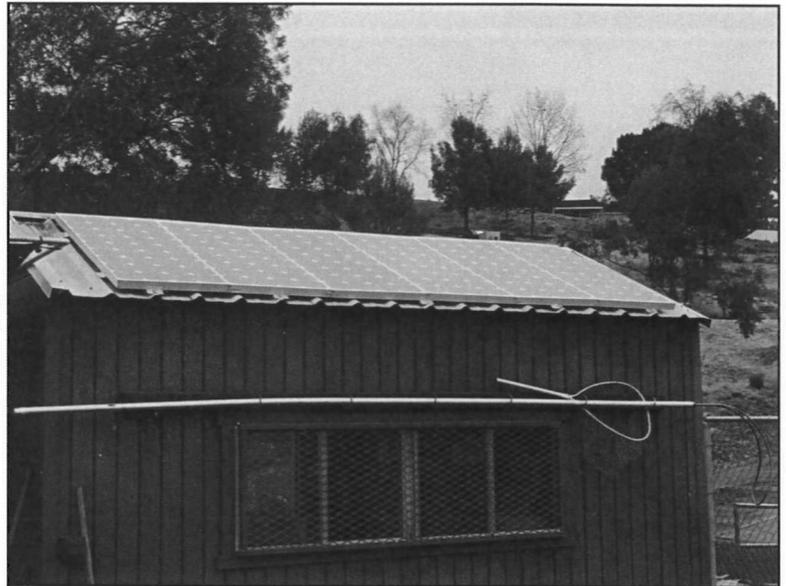
Date: 1/9/2018



Helix Water District
H.R. LaBounty Safety Award Nomination
Electrical Improvements



Original submerged cable



Solar panels on boat house



Upgraded light fixtures - LED bulbs