**Speaker Information:**

**Jerry Horst/Chris Abrams - Tesco Controls**
Based in Sacramento, California since 1972, Tesco Controls, Inc. is a controls system integrator and manufacturer for the water/wastewater and traffic industries. TESCO offers a complete range of professional services that include: engineering design, technical studies, customized computer programming, field installation, field calibration, technical support, and maintenance packages.

**Charles Aycock - City of Roseville, CA**
Charles was hired by the City of Roseville as an Electronics Technician II in 1994, promoted to Senior Technician, Electronics Maintenance Supervisor and is currently the EIM Systems Coordinator for the City of Roseville’s Environmental Utilities Department. He is the electrical, instrumentation and mechanical technical liaison for all City of Roseville’s water and wastewater treatment facilities, recycled water, waste collection, water distribution and storm water systems.

**John Mohr - Shape Inc.**
An employee of Shape Inc. for the past six years and in the municipal wastewater industry for over 30. John has many years of experience starting up and troubleshooting various types of pump/motor units, pump sizing, selection, and designing of wastewater & water pump systems.

**Glenn Greene - Holt of California**
Mr. Greene has 23 Years with Holt of California, of which he spent 17 years as Generator Field Service Technician and 6 years Generator Product support.

**Tony Iannamorelli - The Timken Company**
Mr. Iannamorelli is a vibration and bearing damage engineer for Timken Bearings. Timken is the largest tapered roller bearing manufacturer in the country.

**Jim Horton—HydroScience**
James Horton has over 20 years of experience in maintenance, repair, and installation of water and wastewater equipment. He spent 5 years as a maintenance mechanic for Union Sanitary District in Fremont, CA. He was trained in asset management and was an active participant in the District-wide Safety Committee. James employed his skills in construction, maintenance, planning, installation and project management working independently as head of his own construction company (Concepts West, Inc.) and as Senior Project Manager for Fluid Industrial Systems. James is currently Head of Maintenance Management for HydroScience Operations.

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**Key Learning Objectives:**

- Maintenance practices for control panels and PLC systems that will enhance the reliability of your facility

- Appropriate measures to make your facility compliant with current arc-flash regulations and keep your staff safe

- Maintenance approaches to keep the equipment running smoothly and earn new-found respect for your maintenance staff
What You Will Take Away:

- The maintenance of PLCs and control panels for reliable process automation and to prevent premature control systems failure
- Approaches to assessing bearing failures and defining the mode of failure so preventative measures can be determined
- Arc Flash Basics, NPFA 70E, NFPA 70E compliance and what is required for proper training
- Do's and don’t s when maintaining and troubleshooting submersible pumps and motors
- Recommended weekly, monthly, annual generator maintenance and in-service training
- Benefits of developing trends during periodic regular generator inspections
- Blower Maintenance Comparison

Schedule:

8:00 - 9:00am   Registration
9:10 - 10:00am  PLC and Control Panel Maintenance  
                 Jerry Horst/Chris Abrams - Tesco Controls
10:10 - 11:00am  Bearing Failure Forensics  
                  Tony Iannamorelli - The Timken Company
11:10am - Noon  Arc Flash Compliance - One Agency's Approach  
                 Charles Aycock - City of Roseville
Noon - 1:00pm  Lunch provided
1:10 - 2:00pm  Submersible Pump Maintenance  
                 John Mohr - Shape Inc.(North and Central), TBD - ITT Flygt (South)
2:10 - 3:00pm  The Proper Care and Feeding of your Emergency Generator System  
                 Glenn Greene - Holt of California
3:10 - 4:00pm  Blower Technologies: A Comparative Approach  
                 Jim Horton - HydroScience

Workshop Locations:

Northern California - May 24, 2011  
Sacramento Regional Wastewater Treatment Plant  
8521 Laguna Station Road  
Elk Grove, CA 95758

Central California - May 25, 2011  
City of Fresno  
Police Department Regional Training Center  
6375 W. Central Ave  
Fresno, CA 93706

Southern California - May 26, 2011  
Orange County Sanitation Districts  
10844 Ellis Avenue  
Fountain Valley, CA 92708

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