

ALISTO News



Summer 2015 Edition

Featured Project Spotlight

This issue's Project Spotlight is Alisto Engineering Group's contract with Pacific Gas and Electric to perform Atmospheric Corrosion (AC) Meter Set Inspection services including project management and control support services.



An Alisto AC Inspector uses a customized app on his phone to report his findings in real time during a field inspection.

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CLIENT | Pacific Gas & Electric PROJECT MANAGER | Jess Borrego

Project Summary and Scope

Alisto Engineering Group has been under contract with Pacific Gas and Electric to perform Atmospheric Corrosion (AC) Meter Set Inspection services including project management and control support services every year since 2010.

AC Meter Set Inspections for 2015 was submitted for bid by PG&E. Alisto competed with 2 other consultants and won the bid. The 2015 work included Project Management, Project Controls, Data Management, QA/QC of plat sheets, and detailed house inspections of about one million house meters throughout PG&E's Fresno, Mission, Yosemite, San Jose, and Stockton area districts in California in accordance with Utility Procedure TD-4188P-001.

Alisto is also performing QA/QC inspections at the 5 sites throughout the PG&E service territory and is conducting the following services at each location:

- 55 fully qualified and trained technicians inspect and document the condition of atmospheric corrosion on gas meters and associated piping to reduce risk, and stay in compliance with CPUC requirements.
- Prepare weekly status report on meters inspected and monitor schedules.
- Identify abnormal operating conditions other than atmospheric corrosion.
- Conduct a quality control review of inspected plat maps, equipment documentation, data quality and completeness for consistency and compliance with inspection and documentation criteria by the 55 inspectors.

- Implement an internal quality control plan.
- Document discrepancies and ensure the root cause of the discrepancy is addressed.
- Provide quality control review of AC meter inspection performance and data quality per the QC Plan.

A Corrective Measure Plan (CMP) and Quality Control (QC) Plan for field inspections, weekly data tracking, and weekly plat maps review will audit the accuracy of field atmospheric corrosion inspections and equipment identification of customer meter sets. This is also to

"Alisto's AC highly trained inspectors are some of the best in the business. We take great pride in what we do and understand how important it is to PG&E and the public that these safety inspections are done correctly and with the highest attention to detail. I believe the level of training and qualifications our inspectors have meets and even exceeds PG&E's high standards. Alisto is proud to partner with PG&E for this very important work."

Larry Buenvenida
AC Field Supervisor

address quality of inspection issues based on performance and data quality and where it has been determined that the original survey of a plat was not performed correctly and the rate of errors falls outside of the designated tolerance levels. These are submitted to PG&E for approval and implementation. Having the opportunity to serve PG&E for more than 5 years with their compliance audits for AC Meter Set Inspections is proof that building trust with your client is obtained by offering technical expertise, proven deliverables on time, honest communication, and fair pricing.

HEAT STRESS Management

As the summer season is upon us, heat stress in workers is a potential concern. Heat stress can cause illness or even death. Workers at risk of heat stress include outdoor workers and workers in hot environments such as construction workers, factory workers, and others. Workers at greater risk of heat stress include those who wear personal protective gear, are 65 years of age or older, are overweight, have heart disease or high blood pressure, or take medications that may be adversely affected by extreme heat. Recognized forms of heat stress and the associated symptoms are:



Heat Rash can be caused by continuous exposure to hot and/or humid air. The condition is characterized by a localized red skin rash and reduced sweating.



Heat Cramps can be caused by profuse perspiration with inadequate fluid intake and salt replacement. This condition is characterized by muscle spasm and pain in the extremities and abdomen. Excess salt can build up in the body if you are sweating excessively and not replacing fluids by drinking water. Likewise, drinking too much water can cause excess salt loss. Most folks obtain enough sodium through their eating habits and only need to replace lost fluids with water during these situations. In extreme conditions, such as wearing heavy protective gear for many hours, you should drink carbohydrate and electrolyte replacement fluids every 15 to 20 minutes.



Heat Exhaustion, a mild form of shock, can be caused by substantial physical activity in heat and profuse perspiration without adequate fluid and salt replacement. The symptoms include weak pulse; shallow breathing; pale, cool, moist skin; profuse sweating; dizziness; and fatigue. Anyone experiencing heat exhaustion should be removed from the heat and given fluid replacement.



Heat Stroke, the most severe form of heat stress, can be fatal. The symptoms include red, hot, dry skin; body temperature of 105° F or greater; no perspiration; nausea; dizziness and confusion; strong rapid pulse; coma; and death. If you suspect your coworker is experiencing heat stroke, you must seek medical attention immediately! While waiting for medical professionals to arrive, place the worker in a shady area, the outer layer of clothing should be removed, and the skin should be wetted and fanned. Fluids should be replaced immediately.

Protective Measures



In order to minimize the potential for heat stress, protective measure should be implemented and enforced. Workers should always drink plenty of water, at least one pint of water per hour is needed. Taking frequent rest periods in shaded or

air-conditioned areas is also essential when ambient temperatures exceed 80 degrees Fahrenheit. Know the signs and symptoms of heat stress and monitor yourself and your coworkers and, if necessary, establish a buddy system.

There are other steps you should take as well in order to avoid heat related illnesses:

- Modify your work schedule to avoid working during peak heat periods.
- Allow workers to acclimate who are new to the heat or have been away from work.
- Wear loose fitting and light colored clothing.
- Consider protective clothing that provides cooling.
- Eat smaller meals before work activity.
- Avoid caffeine, alcohol and large amounts of sugar.
- Make sure the medications you are currently taking are compatible with heat.

Let's all beat the heat and remember, our main goal is to safely make it home to our loved ones at the end of the day.

HEAT INDEX	RISK LEVEL	PROTECTIVE MEASURES
Less than 91°F	Lower (Caution)	Basic heat safety and planning
91°F to 103°F	Moderate	Implement precautions and heighten awareness
103°F to 115°F	High	Additional precautions to protect workers
Greater than 115°F	Very High to Extreme	Triggers even more aggressive protective measures

Introducing a New Addition to Alisto's Marketing Team



Alisto Engineering Group is pleased to introduce the newest member of our marketing team, Lauren Garcia. Lauren will serve as Marketing and Proposal Coordinator and is responsible for facilitating new bids and coordination of strategic pursuits, business development and client management. Lauren brings 15+ years of experience in the A/E/C industry and a passion for proposal and presentation development as well as an extensive graphic design background.

When she's not in the office Lauren may be found in the garden or fishing on San Pablo Bay with her husband Mike or indulging in her new passion, aquascaping. She is also an avid dog

lover and currently has two rescue pooches named Charlie and Angus.

Lauren is ecstatic about joining the Alisto family and is looking forward to offering fresh ideas that culminate in efficient processes and new business growth. She says, "Alisto is a company with loads of technical talent but more importantly it's a company with a lot of heart and an important mission—to understand a client's needs and exceed them. I am excited about showcasing this company's broad spectrum of services."

Welcome Lauren!

To contact Lauren about new leads or if you have a marketing related question please email her at lgarcia@alisto.com or phone 925-279-5000 ext. 231.



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