ENERGY WORKFORCE SECTOR STRATEGY

PG&E ®

Sacramento Region – Key Occupations

Compiled from Employer Meeting in Sacramento

September 17, 2013

Sacramento

Key Occupations	Skills Needed
HVAC Installers (expect huge increase in demand due to backlog of equipment replacements)	• Energy modeling + Standards + Methodology • IT skills (e.g., controls, networking)
Electricians/Lighting Specialists (New Title 24 requirements will dramatically change lighting field from maintenance function to installing and managing advanced lighting controls)	• Advanced lighting controls • Understand whole lighting system (not just installation) • Commercial codes • Energy Management System (EMS) certification • Automatic Lighting Controls (ALS) certification • Automated Demand Response (ADR) certification
Certified Energy Auditors	• Monitoring and verification with sensors and data • Sales training
Certified Energy Managers	• IT skills (e.g., controls, networking)
Building Commissioning	• 2-year program + CALCTP certificate + manufacturer training
Common Themes & Next Steps	
Field experience via paid internships needs to be incorporated with training to "cement learning"	
Use WE&T dollars and WIB funds to integrate 2-4 week paid internships with training	
Establish local government partnerships for projects to enable field experience opportunities	
1. Identify certifications needed for each occupation and set of standards 2. Then identify who in the existing workforce needs training and who should train them 3. Establish direct field experience in conjunction with training	
Set up a consistent evaluation system first. Then components of training and field experience will fall into place.	
Note: Discussions after the forum focused on forming a regional coalition to seek funding for a demonstration of an integrated program of training and direct work experience	