



Water System Operations Apprenticeship Program Update

Engineering and Operations Committee

Item 6b

February 8, 2016

What is Apprenticeship?

- Partnership between industry, education and government
- Comprehensive academic and on-the-job training (OJT) to achieve journey-level



Santiago Canyon College



CALIFORNIA COMMUNITY COLLEGES
CHANCELLOR'S OFFICE

California



Program Background

- Dwindling skilled labor market for electricians and mechanics
- Partnership between WSO and AFSCME Local 1902
- Promotes long-term workforce stability
- Certified by the State of California
- First class began 2003 – completed in 2007

Program Structure

- 4 year program
 - 7,280 hours
- 8 periods of study
 - Academics
 - On-the-job training



- Diamond Valley Lake Training Center

Governance

- State Division of Apprenticeship Standards
- Local Education Agency
- Joint Apprenticeship and Training Committee
- Apprenticeship Policies and Procedures
- Program administration



Classroom Training

- Instructors
 - Mechanical and electrical
 - Adjunct faculty with Santiago Canyon College

- 640 hours of class
 - Lecture and shop
 - Exams
 - Home study



Classroom Training



On-the-Job Training

- Journey-level mentor
- Practical experience



Recruitment

- Qualifications

- 18 years of age
- High school diploma or GED

- Create eligibility list

- Outreach
- Testing and interview
- Ranking

- Hire approximately 15 apprentices per year



Program Benefits

- Provides reliable supply of certified mechanics and electricians
- Diverse applicants reflect service area
- Trains on Metropolitan systems and equipment
- Pathway for Associate's Degree
- Upon completion – fully prepared to “hit the ground running”

Program Success

- Model program by State Division of Apprentices Standards
- 72 graduates to date
 - One-third of mechanics and electricians
 - Excellent retention rate
- 56 current apprentices
 - Class of 2016
 - Class of 2017
 - Class of 2018



