APPRENTICESHIP

Preserving institutional knowledge while growing the next generation of talent

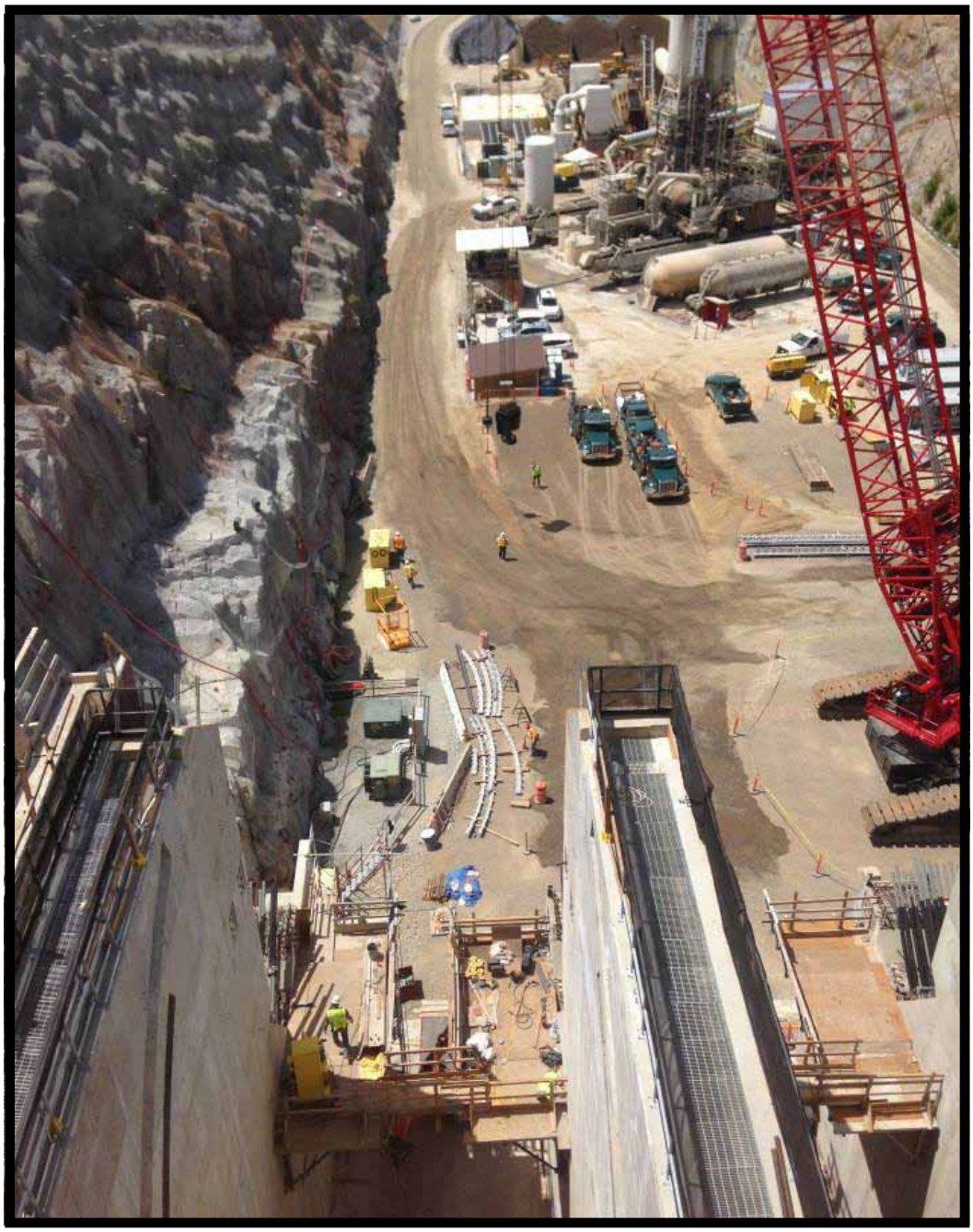


Photo depicts work on American River concrete gravity dam; story on page 10.

CALIFORNIA APPRENTICESHIP COUNCIL

Fourth Quarter 2014

Message from the Director

PARTNERING TO PROMOTE HEALTH & SAFETY & APPRENTICESHIP

Christine Baker, Director, Department of Industrial Relations

Apprenticeship and health and safety are a partnership. Apprenticeship gives workers the ability to recognize health and safety hazards and the necessary knowledge and skills to work safely. Many injuries occur among young workers and newly hired workers. Apprenticeship establishes an effective framework for workers to obtain necessary training in how to perform jobs safely. This is good for workers and also good for employers seeking to prevent injuries and illnesses and reduce workers' compensation costs.

DIR is committed to both apprenticeship and health and safety. Under the leadership of Juliann Sum, Acting Chief of Cal/OSHA, DIR and DOSH have taken major steps to advance health and safety protections for workers and undertake outreach and education for employers. In the first year, we identified new funds to be dedicated to outreach and education. The next year, we removed a cap that was legislatively mandated on our budget. This allowed DIR and DOSH to identify unfunded positions. Once identified, DIR and the Administration infused $3.3 million new dollars into Cal/OSHA programs to fill the previously unfunded positions and provided an additional $2.4 million to fund 15 positions in the DOSH Process Safety Management (PSM) Unit. This unit oversees petroleum refineries and other facilities that process large amounts of toxic and flammable materials.

A new PSM regulation is being developed in collaboration with stakeholder working groups to carry out recommendations of the Governor's Interagency Working Group on Refinery Safety. The DIR-DOSH team is introducing groundbreaking changes in oversight, policy, and enforcement that integrate many of the industry's best process safety practices, along with new approaches to ensuring accountability, transparency, and meaningful labor-management engagement in decision making. DOSH will also be working with DAS, (and refinery industry partners) in the development of an"Advanced Safety Training" curriculum for workers of all outside contractors on refinery work, which the DAS Chief must approve by January 2016—pursuant to SB 54.

Modernization is occurring throughout the department, with a major focus on DOSH currently in progress. A team of DOSH and DIR personnel are working diligently to convert a 20-year-old system into a modern data and reporting system. Final transition steps took place over the summer. By October, all offices will be operating in the new federal OSHA system.

In addition, teams meet weekly to identify ways to improve technology across the department. Scanning of all the paper in DAS is moving forward, and an effort to streamline the offices is underway. DOSH and DAS are exploring the feasibility of an apprenticeship program for elevator inspectors; stay tuned regarding the job opportunities in the DOSH Elevator Unit.

DIR has broken down silos, allowing interdivisional partnerships to flourish in safety, apprenticeship, and wellness for our DIR teams. We also emphasize partnerships with our external stakeholders.

Our stakeholders are very important to us. We continuously look for partnerships in outreach, education, and enforcement. Examples include:

- DIR-sponsored training partnership with small businesses learning to design and implement injury and illness prevention programs (IIPPs)
- Roofing industry pilot partnership program to identify non-compliant roofers
- Upcoming fact sheet on workers' OSH rights
- Redesigned Cal/OSHA website to communicate about available services, required notifications, and staff contact information (in progress)

Together we can help prevent injuries and improve safety for our workers. Prevention is our goal and through apprenticeship programs we can help accomplish that goal. Thank you for helping us make workplaces safer.

Letter from the Chief of the Division of Apprenticeship Standards

EXCITING TIMES FOR APPRENTICESHIP

Diane Ravnik, DAS Chief

As we come to the end of our 75th Anniversary year celebration of the enactment of California's Shelly-Maloney Apprenticeship Labor Standards Act of 1939, an exciting new era is dawning for Registered Apprenticeship around the country. For the first time in my 30-plus years around apprenticeship, I feel that it is getting the recognition it has long deserved as the county's premier job training system and a truly effective way for modern business and industry to remain globally competitive and meet their ongoing needs for a highly-skilled workforce.

It started with the publication, in November 2013, of the Center for American Progress' landmark report, *Training for Success: A Policy to Expand Apprenticeships in the United States,* which concluded that "expanding the use of this highly effective training model can help our nation meet the demand for skilled workers, create pathways to well-paying careers for unemployed young workers, and give American businesses a competitive edge in the global marketplace."

This bold report was followed in January, 2014, by President Obama's reference to apprenticeship in his State of the Union Message, in which he announced he was directing Vice President Biden "to lead an across-the-board reform of America's job training programs to make sure they have one mission: train Americans with the skills employers need and match them to good jobs that need to be filled right now," noting "that means more apprenticeships." Two days later, in a "Presidential Memorandum on Job-Driven Training for Workers," the President tasked Vice President Biden to develop "an action plan to make America's workforce and training system more job-driven, integrated and effective."

The Vice President's Report, *Ready to Work: Job-Driven Training and American Opportunity,* was issued July 22, the same day the President signed the re-authorized Workforce Innovation and Opportunity Act (WIOA), the nation's primary job training/employment services program, which allocates some $3 billion a year—nearly $500 million of which comes to California—to state and local workforce investment boards (WIBs). Last reformed 15 years ago, the WIOA now includes specific endorsements of apprenticeship, such as the inclusion of all registered apprenticeship programs on the WIB's Eligible Training Providers List (ETPL) and the requirement that registered apprenticeship programs be represented on all state and local WIBs.

The Vice President noted that the report details specific actions the Administration is taking and outlines further steps we can take to grow our economy and the American middle class, and pledged to increase the number of apprenticeships.

This is our moment; now is the time to bring this incredible talent development model to new industries and occupations

The Report also cited the creation of $100 million in American Apprenticeship Grants, "to reward partnerships that help more workers participate in apprenticeship," and "launch apprenticeships in high-growth fields ... and scale apprenticeship models that work."

With over 52,000 apprentices (almost three times as many as any other state!) California already has a leadership role in the nation's apprenticeship system that we can build on. This is our moment; now is the time to build on that foundation to bring this incredible talent development model to new industries and occupations, and in so doing, create new opportunities for the next generation of California workers to realize the American dream of a secure, middle class career.

DAS

California Division of Apprenticeship Standards

The Division of Apprenticeship Standards (DAS) creates opportunities for Californians to gain employable lifetime skills and provides employers with a highly skilled and experienced workforce while strengthening California's economy.

www.dir.ca.gov/das

CALIFORNIA APPRENTICESHIP IS POWERING UP

Jack Buckhorn
CAC 2014 Chair

To serve as chair of the California Apprenticeship Council (CAC) is a special privilege and an honor that I will always remember. It's a privilege to work with such a dedicated group of workforce education and training leaders who are the driving force behind the largest and most successful apprenticeship training system in America.

In 2013, the Department of Labor (DOL) reported that there were 164,000 registered apprentices nationwide with California accounting for 49,910 — 30 percent of the total. New York is a distant second with 17,871 registered apprentices. The same report shows 13,987 new apprentices started careers in California, which also leads the nation. With American businesses reducing their workforce training dollars year after year, I believe opportunities for establishing nontraditional apprenticeship programs will increase. The CAC is ready to welcome these new programs and continue our long history of building pathways to the middle class.

We constantly strive to achieve the highest level of excellence by maintaining comprehensive apprenticeship training standards. This important work takes place in the CAC committees, where we come together to analyze and debate important policy decisions with passion and professionalism. I'd like to express my deepest gratitude to the chairs of all the committees, the faithful commissioners and DAS staff who regularly attend and facilitate those meetings. Their vast knowledge and experience concerning apprenticeship and the skill they display when interacting with stakeholders ultimately leads to sound policy recommendations.

The DOL estimates that for every $1 the government invests in apprenticeship, it yields more than $50 in revenues

Highlights for the year would have to start with the 28th Biennial California Conference on Apprenticeship, where planning and execution came together to create an event that many longtime participants called the best celebration of apprenticeship in many years. We had outstanding speakers, informative workshops, generous sponsors, fun activities, great San Diego weather and a wonderful Apprenticeship Hall of Fame dinner. To organize this event is a heavy lift; I want to thank Scott Payne and his staff at the Southwest Carpenters Training Fund for a job well done.

On the legislative front we were united and engaged in our efforts to restore related and supplementary instruction (RSI) funding. While we were successful in removing our funding stream from "flexibility" provisions that had been in place since 2008, the Department of Finance removed the modest increase in funding that we had requested for our programs. Many believe the construction industry will soon face a skilled labor shortage driven by the retirement of baby boomers and the improving economy; if these predictions are correct we will need the RSI increase to help our programs prepare for a period of sustained growth.

The DOL estimates that for every $1 the government invests in apprenticeship, it yields more than $50 in revenues. This is a powerful message, and we need to remind our legislators every chance we get that the social benefits of apprenticeship far outweigh the social costs. If we stay united and on message, I am confident that we will eventually be successful in restoring RSI funding to pre-recession levels. I look forward to continuing our mission with the knowledge that we are strong and the demand for our services is growing.

To learn more about the California Apprenticeship Council, please visit www.dir.ca.gov/cac/cac.html

Letter from the California Community Colleges Chancellor's Office

OPPORTUNITY KNOCKS & DOORS OPEN TO CTE, APPRENTICESHIP

Van Ton-Quinliven, California Community Colleges Vice Chancellor of Workforce & Economic Development and CAC Commissioner

Over the past few months, the Chancellor's Office has announced several new programs that will support and improve Career Technical Education (CTE) and the overall workforce development efforts at colleges statewide, as well as apprenticeship programs that connect with colleges.

The first, which was included in the Governor's Budget, provides $50 million in CTE Enhancement Funds to "create greater incentive for California Community Colleges to develop, enhance, retool, and expand quality career technical education offerings that build upon existing community college regional capacity to respond to regional labor market needs." This funding will indirectly support apprenticeship by improving college programs by enabling the purchase of up-to-date equipment and developing curriculum based on industry needs, as well as increasing professional development opportunities for instructors.

Second, Proposition 39 funding for Workforce Development in Energy Efficiency is being prepared to be released to colleges and apprenticeship programs affiliated with colleges in specific industry segments. John Dunn from our office has been collecting information and working with the regional program directors to finalize the amounts for each college. As discussed at the July CAC meeting, these funds are intended to improve instruction in energy efficiency, including Title 24 areas, at community colleges so that the workforce is prepared for the new Title 24 requirements in the commercial environment. Funds may be used for equipment, curriculum development, professional development and other areas that make a positive impact on energy efficiency instruction.

Additionally, the Chancellor's Office has been working closely with the DAS, California Workforce Investment Board, Employment Training Panel and the Federal Department of Labor (DOL) to prepare all interested parties for the upcoming $100 million American Apprenticeship Grant. That effort has included a webinar on the Registered Apprenticeship College Consortium, attended by more than 40 people, which included a presentation by Laura Ginsberg at the DOL.

Along those lines, Chaffey College, as consortia leader, was awarded a Trade Adjustment Assistance Community College and Career Training (TAACCT) grant in early October by the DOL, as part of the Inland Empire Regional Training Consortium (IERTC). They will be working in partnership with twelve college consortium partners of the Southern California, Inland Empire Region. The Consortium will create the STEM (Science, Technology, Engineering and Math) Education Business Incubator (SEBI) Center, hosted at California Steel Industries in Fontana, that will focus on Advanced Manufacturing Applications.

As you can see, the Chancellor's Office continues to work diligently to improve CTE programs statewide, increasing opportunities for students to find careers in many areas. We look forward to bringing you more information soon about strategic initiatives that will support workforce development and CTE statewide.

Apprentice Statistics

For the quarter ending September 30, 2014

Number of active apprentices	52,545
Number of new registrations and reinstatements	5,322
Number of active women apprentices	2,831
Percent of active apprentices represented by women	5.4%
Percent of active apprentices represented by minorities	57.3%
Number of active veteran apprentices	3,624
Number of veterans registered in 2014	904
Number of those veterans who have completed apprenticeships	237

Operating Engineers Local 3 Tackles Largest Dam Removal Job On West Coast

By Mandy McMillen, Managing Editor, Operating Engineers Local 3

"Now I'm on a real job," joked 27-year Local 3 member Bob Mote, as he stepped out of his lube truck on the $84 million San Clemente Dam removal job. Mote has been photographed on jobsites before, but never on one involving the biggest dam removal and river reroute on the West Coast.

Mote explained that he has been "keeping the iron going" on a giant fleet of some 50 pieces of equipment which burn about 4,500 gallons of fuel a day.

Granite Construction is responsible for design and implementation of the project, while Local 3 is supplying about 60 operators, including more than 12 apprentices who are learning important skills gained on a job of this size.

According to Superintendent John Steck, some apprentices were chosen because of their willingness to travel, coming locally from the Morgan Hill District and Local 3 districts in Fairfield, Fresno, Redding and even Nevada.

The San Clemente Dam, located in the upper Carmel Valley, has basically outlived its usefulness and is no longer safe. In addition to removing the 93-year-old, 106-foot-high, concrete-arch dam,

crew members have several other daunting tasks—under a strict three-year timeline (day and night shifts have been a must), operators are rerouting the Carmel River into San Clemente Creek, using the abandoned reach as a sediment-storage area, creating a diversion dike and earthen dam, and excavating the combined flow-reach down to pre-dam elevations—all before they can even think about taking the old dam down.

Apprentice Brandon Schumacher, a local Marina resident, said, "I grew up here looking at these mountains and didn't know there was a dam." The mountainous terrain surrounding the dam caused some initial difficulties; before the job could even start, hauling equipment around curves, up hills and into forests "was a feat of its own," said jobsite Master Mechanic Jeff Brown.

The second season of the project will wrap up this year, with the third phase beginning in the spring, when operators will begin the dam removal process.

Above: Apprentices Kristi Wilson and Brandon Schumacher operate the giant haul trucks

At left: Apprentices Alex Wingate, Adam Vega, Aaron Paulsell, Bill King and Steve LanFranco

Below: Apprentice Alex Wingate, 20-year member Keith Ledger, 13-year member Mike Fritzler and Apprentice Ray Mauldin

For more information on the project and the history of the San Clemente Dam, visit Local 3's website at www.oe3.org.

NEW TRAINING FACILITY KEEPS CARPENTERS AHEAD OF THE CURVE

By Matt Rowlett, Training Officer, Carpenters Training Committee

On July 21, 2014, the Carpenters Union joined contractors, trustees and apprentices for a ground-breaking ceremony for their new 45,000 square-foot state-of-the-art facility in Fairfield, CA. "We are moving forward at the rate of our employers" stated Executive Director Randy Gourley. "This is a historic moment," noting that the new Fairfield facility is the CTCNC's first new building since the Pleasanton Training Center opened its doors.

Mark Scherschel, Vice President of Hathaway Dinwiddie Construction, recalled how "we started out with one classroom, with no hands-on capacity." Mark drew special attention to the facility's modern equipment, especially an electronic classroom where apprentices and journey-level workers will learn to use notebooks, planned grid processes, building information modeling (BIM) and other 21st century skills.

Northern California Carpenters Regional Council Executive Officer Bob Alvarado told the crowd, "This puts us ahead of the curve so we can be prepared for the next jump in the economy."

In addition to the electronic classrooms, the new building will feature a 24-booth weld shop that can expand to 30 booths; a 16,000-square-foot general shop area; four new classrooms; and a new millwork-cabinet shop featuring modern production processes. The building will essentially double the capacity of the Fairfield Training Center.

CTCNC pours concrete at its new state-of-the-art-training facility in Fairfield.

"It's not a gamble," said Alvarado, praising his fellow trustees for their decision to fund the project at a time when the economy was much weaker; "it's an investment."

CTCNC has five training centers throughout Northern California with locations in Fairfield, Hayward, Pleasanton, Fresno, and Morgan Hill. With the completion of the new building in Fairfield, CTCNC will offer over 270,000 square feet of training, 145 welding booths, and three virtual welders. CTCNC employs 16 full-time instructors to help train more than 2700 apprentices in the following crafts: carpenters, drywall/lathers, millwrights, pile drivers, mill-cabinet, scaffold erectors, acoustical installers, hardwood floor layers, and insulation installers.

In addition to the 16 full-time apprenticeship instructors, CTCNC employs two full-time and eight part-time instructors for journey-level training. The two full-time trainers travel throughout Northern California servicing employer and local union needs for training, covering health and safety as well as journey-level skill advancement classes. CTCNC takes these measures to ensure that members constantly use the latest techniques and keep their certifications current.

By expanding training centers, improving curriculum, and updating technology, CTCNC is working hard to give contractors the best skilled workforce possible

As the economy continues to recover, CTCNC is always moving forward to improve members' skills and tools. By expanding training centers, improving curriculum, and updating technology, CTCNC is working hard to give contractors the best skilled workforce possible.

Excerpts of this article previously appeared in the August 2014 issue of the Northern California Carpenters Regional Council Magazine.
Website: www.nccrc.org
Facebook: www.facebook.com/nccrc

Construction Trades Apprenticeship Program Career Fair Celebrates 10 Years

HIGH SCHOOL STUDENTS SHOWN CONSTRUCTION TRADES SKILLS

By Rick Guantone, Program Coordinator, San Joaquin Area Apprenticeship Coordinators Association
Photos by Pete Halver

The 10th Annual Construction Trades Career Fair—Apprenticeship Pathways, sponsored by the San Joaquin Area Apprenticeship Coordinators Association, was held recently at the IBEW/NECA Electrical Apprenticeship Training Facility in Stockton. Over 550 juniors and seniors from 22 high schools participated, along with 200 counselors, instructors, college and school administrators, journey workers, apprentices, apprenticeship coordinators, community leaders, and state and local politicians. Special guests included Diane Ravnik, Chief of the California Division of Apprenticeship Standards, and John Dunn from the California Community Colleges Chancellor's Office.

First held in 2005, the career fair was designed to promote construction programs to high school juniors and seniors, teachers and counselors/career technicians, with a primary goal of educating students about construction careers and the pathway to successful employment after high school. Participants especially liked the hands-on trade demonstrations, and after positive feedback from all the stakeholders, SJAACA members made a commitment to continue the career fair as an annual event. Attendance has grown over 400 percent since the first event in 2005.

Formal presentations by DAS consultant Steve Gutierrez and apprenticeship coordinators Dave Brooks and Greg Vincelet highlighted the apprenticeship model for entering a career, information on a variety of construction trades, and recommendations for course preparation while attending high school. Students were able to talk to journey workers and apprentices. Each of 20 participating construction trades provided an overview and performed some of the trade skills and hands-on experiences characteristic of their trades.

Since the career fair was from 10 a.m.–2 p.m., lunch was provided for all the students and other participants. A few years ago, many high schools were not able to participate due to lack of bus transportation funds, so the association members authorized reimbursement of district bus transportation costs to allow additional students to participate in the career fair.

Construction trades represented were: brick layers,carpenters, CAT-heavy equipment service technicians, cement masons, drywall/lathing, electrical workers, frost & heat insulators, hardwood floor layers, shop and field iron workers, laborers, mill and cabinet, plasterers, plumbers, pipe & refrigeration fitters, sheet metal workers, sound & communications workers, and roofers & waterproofers union apprenticeship programs.

The San Joaquin Area Apprenticeship Coordinators Association was established over 50 years ago, and is made up of over 18 construction and related trades apprenticeship programs serving the greater San Joaquin area. The annual Career Fair has been funded by the San Joaquin Area Apprenticeship Coordinators Association, Building and Construction Trades Council of San Joaquin County, Building and Construction Trades Council of Stanislaus County, San Joaquin & Calaveras Labor Management Council, Modesto IBEW Local 684 LMC Trust, Central Valley Mechanical Contractors Association, Holt CAT, Carpenters Local 152, Stockton Builders Exchange, Acme Construction, IBEW/NECA Electrical Joint Apprenticeship & Training Committee and CAT Dealer—Holt of California.

Sheet Metal Workers Local Union No. 104 Training Center, Fairfield

FUTURE LOOKS BRIGHT FOR NEW LEED-CERTIFIED TRAINING FACILITY

By Vince Sugrue, Sheet Metal Workers Local Union No. 104

Situated in an ideal location between the wine country, our state capital, and the Bay Area, the first major phase of the 43,000 square foot state-of-the-art training facility in Fairfield has been completed by California Sheet Metal Workers' Local Union No. 104. Partnering with SMACNA (Sheet Metal and Air Conditioning Contractors' National Association) and the Bay Area Industry Training Fund, the coalition was able to complete in a timely manner the $12 million dollar project that will serve hundreds of sheet metal apprentices and journeypersons in the coming years. In addition to the facilities already completed, welding and service labs are in the planning stages.

The building itself was an adaptive reuse project that was built to LEED (Leadership in Energy and Environmental Design) Gold standards, and houses a training facility, meeting space, administration, and union offices. The facility has replaced the much smaller Petaluma training center, allowing for the expansion of the apprenticeship program in today's growing sheet metal industry.

The new location at the Highway 680/80 interchange was selected because of its central location within the many counties the facility will serve, its proximity to Interstate 80, and the availability of nearby services.

The training facility has one of the largest sheet metal training shops in the state of California at over 8,000 square feet. In addition, there are computer-aided drafting classrooms and specialty classrooms designed to give all apprentices hands-on training in emerging HVAC markets. All classrooms are equipped with projectors and wireless Internet access.

Since January 2014, apprentices have been attending classes at the facility, where they spend three two-week sessions throughout each year of training. The building will have the capacity to train 500 apprentices and 100 journeypersons at one time.

Because the building meets Gold LEED standards, there are a variety of "green" accommodations to assure that renewable energy is harnessed whenever possible: solar panels are spread across the roof, water usage is at a minimum, the entire building is equipped with high-efficiency HVAC and electrical equipment, and the top of the roof is reflective to increase the "albedo effect" of the building.

Within the community, Sheet Metal Workers' Local Union No. 104's training facility marks the sixth training center in Solano County, where many allies in other trades have found the location to be a prime area for training apprentices throughout the Bay Area and the Sacramento region. As of now, Local 104 is working to get community college and adult education students involved in the facility.

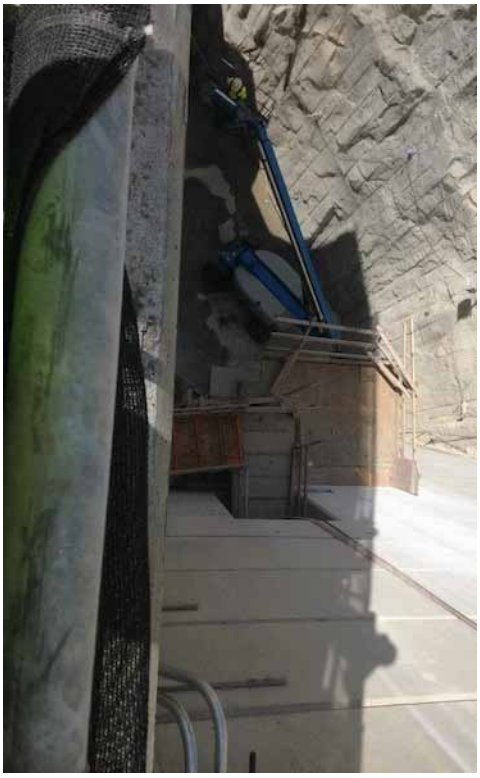
VETERAN & APPRENTICESHIP GRAD ADDS DAM-BUILDING TO RÉSUMÉ

By Christine Hall, Operations Director, Western Electrical Contractors Association

Navy veteran and apprenticeship grad Kent Simpson can look at the concrete gravity dam on the American River and say, "I built that."

Royal Electric Company has been working on the large and ambitious project, and electrician (and Navy veteran) Kent Simpson, formerly an apprentice and now a graduate of WECA's commercial electrical apprenticeship program, has been on the front lines.

The project consists of the construction of a concrete gravity dam containing six submerged tainter gates, which control release of water. The work is located adjacent to Folsom Dam, approximately 29 miles upstream along the American River from the City of Sacramento. Royal's contract with Granite Construction has included installing the complete electrical system, security and operational systems.



See if you can spot journeyman Kent Simpson in this picture. The recent apprenticeship graduate is shown in action, working on the dam project.

Dina Kimble, Partner at Royal Electric Company, explains, "Our crew spent the better part of the first two years installing our conduits in layer upon layer of concrete pours. Now that that structure is complete, we're installing rigid conduits and cable tray through the access tunnel to feed the mechanical and control equipment for the gates, lighting for the tunnel and mechanical gallery. This project is a unique, once-in-a-lifetime opportunity, right in our own backyard—so our journeymen and apprentices really enjoy the work."

Kent Simpson agrees, "One of my favorite aspects of this project is the diverse types of work performed; different from what your 'typical' job would entail. At Royal we often work on projects like this—dams, airports, railroads, people movers, and train derailing systems. Royal's given me the opportunity to work on the sort of interesting jobs, under top foremen, that many people who have been in the trade for years will never get to experience."

Simpson became indentured in WECA's apprenticeship program through Royal, after serving four years in the Navy where he was an Electrician's Mate Third Class Petty Officer. He says, "During my time in WECA's Apprenticeship program I learned a lot about working in the Code Book, as well as motor controls, which have been a large part of this project."

Apprenticeship graduate Kent Simpson

Kimble says of Royal's commitment to apprenticeship, "We've been training apprentices for over forty years, and many of our foremen started their careers as apprentices with us. Apprenticeship is such a great opportunity for workers to receive classroom training to understand electrical theory and application, and then use this knowledge on the job where our journeymen continue to help them develop. Because so many of our foremen and journeymen were once WECA apprentices, they are committed to passing on that mentorship and training. Royal benefits from this training because we know that an apprentice who has spent his indenture with our company will have learned our type of work, our means and methods, and our culture of doing things the right way."

Simpson sums up his experience working on the creation of this dam, "This was the sort of job that many people in their lifetime will not be able to say that they were a part of. It's something that you can show your children. This has been a once-in-a-lifetime project."

SKILLED, PRODUCTIVE, QUALITY CARPENTERS COME FROM HERE

By Luba Mirzazadeh,
Southwest Regional Council
of Carpenters

The Carpenters Training Center in Buena Park is the latest addition to the 20 training centers within the jurisdiction of the Southwest Regional Council of Carpenters, which represents over 40,000 union carpenters in Southern California, Nevada, Arizona, Utah, New Mexico/West Texas and Colorado.

The Buena Park Training Center was a $25 million project which took eighteen months to construct and is located in Orange County off the Interstate 5 and 91 freeways on Firestone Boulevard.

The center houses offices for the Orange County Carpenter Local Unions and Southwest Carpenters Training Fund, a large meeting hall, three conference rooms and rental space. It has six large classrooms, including a book room, and most importantly, members have access to a fully equipped 70,000 square foot training space including a welding shop.

Members can get hands-on training in carpentry, concrete forms, bridges, drywall hanging and finishing, scaffold, acoustical ceilings and metal stud framing, to name a few specialties. A wide variety of safety classes are also offered.

The Southwest Carpenters Training Fund has held 200 classes, and trained 1,800 apprentices and 1,100 journeymen since it opened its doors in August 2013.

The 110,000 square foot, two-story state-of-the-art facility was designed and built with sustainability in mind. Green features include 38 dual-glazed solar skylights that provide natural lighting on the training floor; site run-off water is directed to bio-filtration and evaporation units; reflective shelves on exterior windows provide cooling and increase natural lighting; and R-36 insulation above the roof framing.

For more information about the training center, please contact Southwest Carpenters Training Fund Director Ed Ripley at 213/739-9335, or the center's Training Coordinator, Tom Rooney, at 714/571-0449.

Acoustical Installer ‘Activity Director ‘Aerospace Engineer ‘Aerospace Engineering & Operations Technician ‘Air Balance and Testing Tech ‘Air Balance Testing Technician ‘Air Conditioning and Refrigeration Mechanic ‘Air Conditioning Mechanic ‘Air Conditioning Refrigeration Mechanic ‘Air Conditioning Specialist ‘Air Conditioning/Refrigeration Mechanic (Maintenance) ‘Aircraft Governor Technician ‘Aircraft Structure, Surfaces, Rigging, and Systems Assemblers (A/C Installer Mechanic) ‘Arson & Bomb Investigator ‘Assistant Lineman (LRV) ‘Assistant Lineman (Wayside) ‘Auto & Truck Body Builder ‘Auto Body & Fender Repairer ‘Auto Body & Fender Repairman ‘Auto Body Repairer Fender ‘Auto Machinist ‘Auto Mechanic ‘Automatic Screw Machine Set Up Operator ‘Automatic Screw Machine Set-Up ‘Automotive Body Repairer ‘Automotive Electrical Repairer ‘Automotive Electrician ‘Automotive Machinist ‘Automotive Mechanic ‘Automotive Painter ‘Automotive Parts Clerk ‘Automotive Radiator Mechanic ‘Automotive Radio Repair ‘Automotive Technician ‘Automotive Technician Specialist - Lead Tech ‘Automotive Technician Specialist - Senior Tech ‘Automotive Technician Specialist - Tech ‘Automotive Technician Specialist - Trainee ‘Automotive Upholsterer ‘Automotive Upholsterer & Trimmer ‘Automotive Upholsterer (Trimmer) ‘Automotive/Equipment Mechanic ‘Baker ‘Barber ‘Biomedical

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Line Mechanic ‘Electrical Lineman ‘Electrical Lineman (Electronic Prod

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ician, Power System ‘Electrologist ‘Electromechanical Technician ‘Elect

ian/Voice Data Video ‘Electronics Engineer Technician ‘Electronics Tech

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ker ‘Fire Apparatus Engineer ‘Fire Captain, Correctional Institution ‘Fire

e Fighter II ‘Fire Fighter Paramedic ‘Fire Inspector ‘Fire Marshal ‘Fire Me

e/Life Safety, Voice Data, Video & Electronic Security Technician ‘Firebri

(Horticulture Worker) ‘Gas Control Technician ‘Gas Technician (General C

Hardwood Floor Worker ‘Hazardous Material Specialist ‘Hazardous Materia

ilation and Air Conditioning Worker ‘Heating, Ventilation, Air Conditioning

Duty Mechanic (Truck) ‘Heavy Duty Repairer ‘Heavy Duty Repairer and Pa

nt Electrician ‘Hydroelectric Plant Mechanic ‘Hydroelectric Plant Opera

Conditioning Mechanic ‘Industrial Maintenance Carpenter ‘Industrial Mai

nce Plumber/Pipe Fitter ‘Industrial Maintenance Sheetmetal Worker ‘Indu

nt Repairer ‘Instrument Repairman (Electrical Instrument Repair) ‘Instru

er ‘Insulation Installer ‘Intelligent Transportation Systems Installer ‘Iro

o Computer Operations) ‘Laborer ‘Landscape & Irrigation Fitter ‘Landscape and Irrigation Fitter (Laborer) ‘Landscape Gardener ‘Licensed Vocational Nurse ‘Licensed Vocational Nurse - Geriatrics ‘Line Erector ‘Line Mechanic ‘Lineman ‘Lineman (GC) ‘Lineman (LRV) ‘Lineman (Wayside) ‘Lineman - Transmission ‘Lineperson/Cablesplicer ‘Local Transportation Systems Technician ‘Locksmith ‘Locksmith I ‘Machine Repair Maintenance ‘Machine Tool Rebuilder ‘Machinist ‘Machinist (Material Control) ‘Machinist (Steam Generation) ‘Machinist - Welder ‘Machinist General ‘Machinist, Assembly ‘Machinist, General / Precision ‘Machinist, Inspector ‘Machinist, Machine Repairer ‘Machinist, Metal Former ‘Maintenance Machinist ‘Maintenance Carpenter ‘Maintenance Electrician ‘Maintenance Machinist ‘Maintenance Mechanic ‘Maintenance Mechanic (Can Line) (Press Line) (Coater) ‘Maintenance Mechanic (Special Products) ‘Maintenance Painter ‘Maintenance Plumber ‘Maintenance Plumber (Service and Repair) ‘Maintenance Repairer Factory ‘Maintenance Repairer, Buildings ‘Maintenance Technician ‘Maintenance, Service and Repair Plumber ‘Manager Cemetery ‘Manager Procurement Services ‘Marble Finisher ‘Marble Mason/Setter ‘Marble Setter ‘Marine Electrician ‘Martial Arts Instructor ‘Mason Finisher ‘Master Machinist ‘Master Maintenance Mechanic ‘Measurement & Control Mechanic ‘Meat Cutter ‘Meat Cutter Retail ‘Mechanic Rigger (Steam) ‘Mechanical Draftsman ‘Mechanical Engineer ‘Mechanical Equipment Service & Maintenance ‘Medical Technical Assistant ‘Metal Fabricator, Precision Welder ‘Metal Forming Set-Up Technician ‘Metal Worker (Maintenance) ‘Meter Technician ‘Meter Tester ‘Metering System Technician ‘Meterman (Electric Meter Repairer) ‘Meterperson ‘Mill & Cabinet Maker ‘Mill Cabinet Maker ‘Millwright ‘Mobile Concrete Pumps Operator ‘Mobile Vertical and/or Horizontal Drilling Machine Operator ‘Model Makers, Metal and Plastic ‘Modular Furniture Installer ‘Mold Maker ‘Mold Maker-Tool Maker ‘Mold, Die & Metal Surface Finisher ‘Neon Sign Electrician ‘Non-Licensed Operator (Nuclear Operator) ‘Nuclear Power Plant Senior Reactor Operator ‘Offset Press Operator ‘Operating and Maintenance Engineer (Stationary Engineer) ‘Operating Service Engineer (Boiler) ‘Operations & Maintenance Technician IV (Electrician) ‘Operations & Maintenance Technician IV (Mechanical) ‘Packaging Technician ‘Painter ‘Painter (Maintenance) ‘Painter I Maintenance ‘Painter, Decorator Paperhanger ‘Painter, Paperhanger and Decorator ‘Paramedic ‘Parking & Highway Improvement Painter (Laborer) ‘Parole Agent ‘Parole Agent (Field & Institution) ‘Parts Person ‘Pastry Cook ‘Pattern Maker ‘Patternmaker Wood ‘Pavement Striper ‘Photovoltaic Installer ‘Pile Driver ‘Pipe Fitter ‘Pipe Maintainer ‘Pipefitter ‘Pipefitter/Steamfitter ‘Plant Equipment Operator ‘Plant Mechanic ‘Plant Operator ‘Plaster Tender ‘Plaster Tender (Hod Carrier) ‘Plasterers ‘Plumber ‘Plumber & Pipefitter ‘Plumber (Maintenance) ‘Plumber Residential ‘Plumber, Service, Repair & Remodel ‘Plumber/Pipefitter ‘Pointer-Cleaner-Caulker ‘Police Officer ‘Police Officer I ‘Power House Mechanic (Generation Mechanic) ‘Power Line Mechanic ‘Power Lineman ‘Power Plant Control Operator ‘Power Plant Mechanic ‘Precision Grinding Technician ‘Precision Machine Tool Mechanic ‘Precision Machining Technician ‘Printer 2 ‘Protective Signal Installer ‘Psychiatric Technician ‘Radiation & Process Monitor (Traveling) ‘Radiator Repairman ‘Refrigeration & Air Conditioning Fitter ‘Refrigeration & Air Conditioning Mechanic ‘Refrigeration & Air Conditioning Mechanic Equipment Service & Maintenance ‘Refrigeration & Air Conditioning Service & Repair (Residential and Commercial) ‘Refrigeration & Air-Conditioning Mechanic ‘Refrigeration And Air Conditioning Fitter ‘Refrigeration and Air Conditioning Mechanic ‘Refrigeration Fitter ‘Refrigeration Fitter & Air-Conditioning Mechanic ‘Refrigeration Fitter / Air Conditioning Mechanic ‘Refrigeration Mechanic ‘Refrigeration Mechanics and Installers ‘Refrigeration Unit Mechanic ‘Registered Nurse ‘Reinforcing Ironworker ‘Relays Technician ‘Residential Plumber ‘Residential Sheet Metal Worker ‘Residential Sheet Metal/ Service Technician ‘Residential Wireman ‘Residential/Light Commercial A/C Specialist ‘Revenue Maintainer I ‘Revenue Maintainer II ‘Rigger/Crane Operator ‘Rock, Sand & Gravel ‘Rodman/Chainman ‘Roofer ‘Roofer & Waterproofers ‘S.C.A.D.A./Telecommunications Technician ‘Sanitary Health Technician ‘Sausage Maker ‘Scaffold & Shoring Erector ‘Screw Machine Operator ‘Security Officer - Health Services ‘Security Officer - Manufacturing and Industrial ‘Security Police Officer I ‘Security Police Officer II ‘Security Police Officer III ‘Senior Electronics Technician ‘Senior Parts Technician ‘Service Advisor, Auto Repair ‘Service Technician ‘Sheet Metal Experimental Mechanic ‘Sheet Metal Service Worker ‘Sheet Metal Ship Yard Worker ‘Sheet Metal Specialist ‘Sheet Metal Worker ‘Sheet Metal Worker / Energy Management Technician ‘Sheet Metal Worker Residential (Single & Multi-Family) ‘Shingler ‘Shoe Repairer ‘Shop Ironworker ‘Sign Maker/ Installer ‘Slate, Tile and Composition Roofer ‘Sound and Communications Systems Installer ‘Sound and Communications Systems Installer (Voice-Data-Video) ‘Sound Technician ‘Special Inspector ‘Sprinkler Fitter ‘Sprinkler Fitter Apprentice ‘Stained Glass Glazier ‘State Park Peace Officer (Lifeguard) ‘State Park Peace Officer (Ranger) ‘Station Electrician/Operator ‘Stationary Engineer ‘Steamfitter ‘Steamfitter & Industrial Pipefitter ‘Steamfitter - Pipefitter ‘Steamfitter/Pipefitter ‘Stone Mason ‘Store Keeper ‘Structural Ironworker ‘Structural Steel Painter ‘Substation Electrician ‘Substation Electrician (Utility) ‘Surfacer ‘System Operator ‘System Operator (Hydro) ‘Taper ‘Telecommunication Installer (VDV) ‘Telecommunications Installer ‘Telecommunications Technician ‘Television Cable Installer ‘Terrazzo Finisher ‘Terrazzo Installer ‘Terrazzo Layer/Setter ‘Terrazzo Worker ‘Test Technician ‘Test, Adjust & Balancing Technician ‘Tile Finisher ‘Tile Layer ‘Tile Setter ‘Tool & Die Maker ‘Tool Maker ‘Tractor Mechanic ‘Tractor Technician ‘Traffic Control Painter ‘Traffic Signal Electrician ‘Transmission Mechanic ‘Transmission Mechanic (Gas Plant Repair) ‘Transportation Systems Electrician ‘Truck Body Repairer ‘Truck Mechanic ‘Truck Technician (Forklift Or Industrial) ‘Truck Trailer Repairer ‘TV News Photographer ‘Utility Craftsworker, Water Resources ‘Utility Pipeline Installer ‘Vocational Nurse ‘Wastewater Treatment Plant Operator ‘Water & Sewer Service Worker ‘Water System Servicer ‘Water Treatment Plant Operator ‘Water/Sewer/Service Worker (City) ‘Weatherization Installer & Technician ‘Welder ‘Welder (Electrical Maintenance) ‘Welder (General Construction) ‘Welder (Hydro/Steam) ‘Welder / Fitter ‘Welder, Combination ‘Wildland Fire Fighter Specialist ‘Wire E.D.M. & Conventional Technician ‘Youth Correctional Counselor ‘Youth Correctional Officer ‘ DASDASDASDASDASDASDASDASDASDASDASDASDASDAS

What is the California Apprenticeship Council?

Established by the 1939 landmark Shelley-Maloney Apprentice Labor Standards Act, the California Apprenticeship Council sets policy for the Division of Apprenticeship Standards (DAS). The 17-member council is comprised of six employer, six employee and two public representatives appointed by the governor, plus one representative each of the chancellor of the California community colleges, superintendent of public instruction, and director of industrial relations as administrator of apprenticeship. The DAS chief serves as secretary to the council, and the division provides staff assistance to the CAC and its subcommittees.

The council meets quarterly in different locales around the state to address issues affecting apprenticeship in California:

- Receives reports from the DAS chief and other cooperating agencies
- Provides policy advice on apprenticeship matters to the administrator of apprenticeship
- Ensures selection procedures are impartially administered to applicants
- Conducts appeals hearings on apprentice agreement disputes, new apprenticeship standards for approval, and apprenticeship program administration
- Adopts regulations carrying out the intent of apprenticeship legislation