



DID YOU KNOW?

- CVE is currently working in 50 states plus the District of Columbia and Puerto Rico
- CVE has completed international projects in Thailand, Trinidad, Guam
- Our 2015 EMR is .59
- CVE has significantly expanded our pre-fab capabilities
- Engineering News Record ranked CVE the 20th largest electrical contractor in the nation for 2014
- In 1915, CVE sold appliances and auto parts
- 15% of our employees have been employed by CVE over 10 years
- CVE's longest tenured employees are Willie Halaufia and Carl Hipwell with 37 years each
- CVE Technologies Group has worked in 8 countries

LINE DIVISION PROJECTS IN COUNCIL BLUFFS, IA

In September 2014, Cache Valley Electric's Line Division was awarded two contracts with EC Source for work in Council Bluffs, IA. EC Source, headquartered in Mesa, AZ, is a full-service EPC (engineer, procure, construct) contractor.

The first contract, MVP 3 & 4, consists of building two new substations and expanding two existing substations. These substations are connected to a transmission line that EC Source is building from Waterloo, IA to Fort Dodge, IA. The scope of work on the 345kv high side substation includes placing several 345kv reactors in the new substations and upgrading the existing substations to meet modern standards.

Foreman Jeremy Tanner and his crew of ten linemen are working 50-60 hours each week to meet the project's schedule. The crew is currently working through a 5-week outage, during which CVE will complete demolition and removal of five foundations, as well as installation of new steel and bus relaying schemes and panels in the control house. The first two substations will be energized by July 1st, with the remaining two substations scheduled for a December 2015 completion.

CVE's second contract is for the Southland project in Council Bluffs, currently the largest substation under construction in the nation. The footprint of the substation yard is over 600,000 sq. ft. The scope of work for this

(continued on page 3)



UTE JUSTICE CENTER



In fall 2012, CVE's Design-Build Department began work on a new Ute Justice Center, located in Vernal, UT. The project's general contractor is Layton Construction of Salt Lake City, UT. Rob Cottle of Babcock Design, the architectural firm contracted for the project, involved the CVE team early in the design stages of this facility. The scope of work includes power distribution, lighting, security electronics, teledata, audio-visual, lightning protection and two-way radio antennas.

The new 105,226 sq. ft. facility includes a jail, sheriff administrative offices, kitchen and laundry facilities, day rooms and courts. The jail includes two housing pods - one for adults and one for juveniles - along with separate booking rooms. This facility is unique in that it combines men and women in the same housing pods, both in the juvenile and adult facilities. Housing pods are dormitory style with bunk beds and day rooms in each pod.

In addition to the main electrical system, this project includes work from several of CVE's other specialties. The Teledata Division will install a full end-to-end Cat

6 solution, including the cable tray. One MDF (main distribution frame) closet and three IDF (intermediate distribution frame) closets will be filled with racks, wire management and ladder racking. Each closet location will receive a single mode and multimode fiber optic backbone, along with a 100 pair copper backbone.

CVE's security electronics department will install door supervision and control, intercom and paging systems, CCTV, perimeter fence intrusion detection, card access and a duress system. These systems will be integrated to work as a cohesive system from a common graphic user interface. This not only allows for optimum safety of both employees and inmates, but also creates a very user-friendly environment. CVE will also provide the infrastructure for video visitation and television distribution systems.

Foreman James Williams is overseeing this project with a total of 24 electricians at the peak of construction. Project manager Steve Grant states, "This has been a difficult project due to the large amount of masonry installed in the facility. This type of construction requires the electrical wiring to be installed inside the block walls. One thing that has been in our favor is the incredibly mild winter that we had this year. We did not have to fight the heavy snowfall and subzero temperatures that this area is famous for."

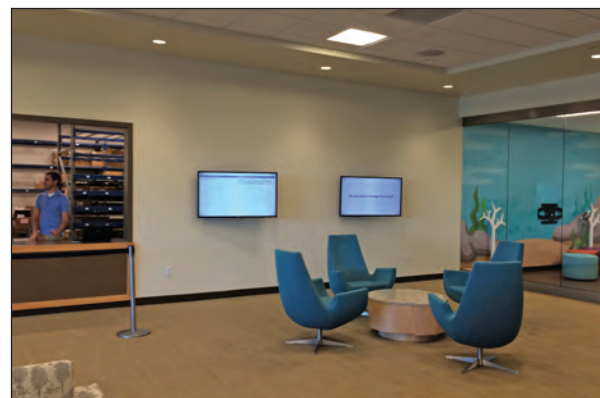
Project construction began in August 2014 and anticipated completion is scheduled for March 2016. **CVE**

dōTERRA BUILDING G & BOTTLING PLANT

With more than 1,400 employees, Utah-based dōTERRA continues to grow at a brisk pace. The company recently added two new buildings to their global headquarters campus in Pleasant Grove, UT and CVE's Multimedia team was tasked with creating an audio-visual solution for the new addition.

These newest dōTERRA buildings house a dedicated auditorium, training room, conference rooms, a customer service center and a bottling facility. CVE deployed Crestron Enterprise control and DM (DigitalMedia) solutions in these facilities to maintain consistent audio-visual functionality across the entire dōTERRA campus. The Creston solution is coupled with Biamp audio processing, Soundtube speakers, Crown amplifiers, NEC flat-panel displays and Panasonic projectors to give dōTERRA full audio-visual capabilities.

CVE's team on the project includes account manager Rich Smith, project manager Fugui Sandoval, programmer Shaun McIntire, Programming and general foreman Ben Schuhardt. This project was completed in June 2015. **CVE**



KOLOA LANDING AT POIPU BEACH

Cache Valley Electric continues to expand its footprint of projects in the Hawaiian Islands. Recently, Layton Construction of SLC, UT awarded CVE the electrical contract for the Koloa Landing at Poipu Beach Resort. This project is the third phase of an expansion of this beautiful Kauai resort. Construction includes four multi-unit condominium buildings totaling 192,356 sq. ft., a 43,235 sq. ft. multipurpose conference center and a large water park feature. In addition, 62,000 sq. ft. of amenities such as a snack bar, activities hut, restrooms, towel cabana and a pool equipment room will also be built.



Cache Valley Electric's scope of work currently includes connecting to the existing service for the power distribution, an interior space lighting package, electrical utility service for each building, fire alarm systems and special lighting for a large water feature.

CVE project executive Scott Jensen expressed the concerns of "being mindful of the limited resources on the island. We need to manage our resources carefully in order to maximize the local, existing workforce. The materials and deliveries are manageable with foresight and forethought. It has not been as difficult as one would think to coordinate all of the material and equipment deliveries to the job site. Communication between Layton Construction and the other trades has been excellent, minimizing any scheduling issues."

CVE relocated Dustin Gillman from our Salt Lake office to supervise this project on Kauai. Gillman will lead a crew of 20 employees at the peak of construction. When asked about any special considerations for this project, Gillman remarked, "The owner and Layton Construction have been great to work with. They are determined to keep safety a top priority to make sure everyone goes home every night to their families. Also, because this is a luxury resort they insist that every effort be made to minimize the noise and disturbance for the hotel guests. This is very important to all of us working on this project." Construction is expected to last 18 months with completion anticipated for August 2016. **CVE**

LINE DIVISION PROJECTS IN COUNCIL BLUFFS, IA

(continued from page 1)

fast track project includes 48 switches, 24 breakers, two control houses and three 345kv to 25kv transformers.

Foremen Jason Behunin and Scott Crystal lead a team of 30 linemen and electricians on this project. CVE teams are working 6-7 days each week to meet the aggressive schedule. Cory Rosenlof and Josh Nelson from CVE's SLC office have assisted with the project's aluminum electrical bus welding. Gordon Liles, EC Source construction manager, states, "I have never seen such a hard working group of men as the CVE people are. They show up every day

ready to give 100% to our project. It says a lot about the CVE culture and the caliber of men they have working for them."

Line Division manager Scott Collard comments, "The biggest challenge on the project has definitely been the weather and working in the middle of a really tough winter. The temperature dipped below zero degrees for weeks at a time. Our guys continued to work really hard through those really tough conditions."

Substantial completion of this contract is planned for August 2015. **CVE**

2014 ASSOCIATED GENERAL CONTRACTORS PLATINUM AWARD

Cache Valley Electric was recently honored with the 2014 Associated General Contractors Platinum Award. CVE has received this award for the past 15 years, a distinction given to contractors whose safety statistics are at least 35% better than the national average for their NAICS code.

This award is a direct result of the constant dedication, support, and effort of CVE's management team and employees. Safety is a top priority at every level of the organization. President and CEO Jim Laub has established a culture where safety is second to none. Division managers and project managers work closely with site supervisors to bring this emphasis to each individual jobsite.

CVE's full-time safety managers coordinate with general contractors, owners and subcontractors to reduce risk and exposure for all personnel onsite.

CVE's hands-on approach trains each individual employee to understand his or her role in creating a safe work environment. Safety is the first order of business for each crew and a daily "safety huddle" helps employees develop a pre-task plan together. They discuss the tasks, goals and potential hazards of the day, then mitigate hazards through group awareness, training and proper task management. This comprehensive approach ensures that CVE employees complete their work safely, each and every day. **CVE**

SIGNAL AND UTILITY DIVISION EXPANSION

Cache Valley Electric is pleased to announce an expansion of its Signal and Utility Division. While CVE has worked in overhead signs for 5 years, the company now has the in-house personnel and equipment to self-perform all types of roadway sign installation. These projects include drilling foundations, standing structures, and hanging overhead signs that span major roads and highways both in Utah and across the Intermountain West.

Examples of CVE's sign work can be seen all along Interstate 15—from smaller signs along the side of the road to large electrical and non-electrical overheads that span multiple lanes of traffic. CVE typically suspends around 100-200 overhead signs per year and this expansion will allow the company to increase that number significantly. According to project manager Chad Cunningham, these sign installations present a unique set of scheduling challenges.

Cunningham commented, "Every job varies, but I would say the most challenging part of our job is keeping consistent coordination with UDOT. Closing down major highways in the morning or even afternoon is not a realistic way to accomplish what we need. In order to accommodate the demands of everyday traffic, we have found that working at night is the most efficient way to complete these projects."

Current CVE sign projects include installations on SR-193 and Hill Field Drive near Utah's Hill Air Force Base. Another nearby project on Antelope Drive is scheduled for completion in June 2015. **CVE**



NORTH SALT LAKE WATER RECLAMATION PROJECT

Avtec, a division of CVE, was awarded a contract with the Salt Lake City Department of Utilities. This project involves an upgrade of the video surveillance system at the North Salt Lake Water Reclamation Facility. The current infrastructure and systems were originally installed as part of preparations for the 2002 Winter Olympics.

Construction will include installation of video surveillance technology, such as high definition cameras, archive servers and control and monitoring equipment, for the facility. Avtec's work will allow plant operators to oversee and supervise the facility's security, in addition to numerous process control locations. New 1080p high definition cameras with low light capability and wide dynamic range will replace aging analog equipment, providing improved imaging of secure areas and processes. **CVE**

RECENTLY AWARDED PROJECTS

AVTEC

Avista Corporation

MVSS – Layer 1 Project
– Spokane, WA

Barrick USA – Technology Office Security – NV

Chelan County PUD

CCTV Systems Upgrade –
Design – Wenatchee, WA

CMC Steel

Control Room Upgrade – AZ

Larry H. Miller Group

Dealership Video Surveillance
– Boise, ID
Chevrolet Dealership Video
Surveillance – Murray, UT

Mountain America Credit Union

– West Jordan, UT
Corporate – Video Surveillance
Upgrade
Corporate – Video Surveillance
Camera Additions

NAES – MCV – Physical Security Design – Midland, MI

Nucor Steel – Plymouth Process Camera Additions – Plymouth, UT

Park City Municipal

Library – Remodel Security
– Park City, UT

PacifiCorp – Hydro Resources Swift 1 – Plunge Pond Video Surveillance – WA

Questar Corporate:

DNR – Fire Systems Upgrade
Kastler Station – Systems I/O
Bldg Upgrade – UT

Salt Lake City Department of Airports – SLC, UT

FAA Tower – Systems Upgrade
Delta Cargo – Systems Upgrade
Gates 8, 9 – Camera Upgrade
Parking Structure – Camera
Upgrade
Site Pole – Camera Upgrades

Salt Lake City Department of Public Utilities

– Salt Lake City, UT
Water Reclamation – VMS
Upgrade

State of Utah

Farmington Courts
– VMS Upgrade

Utah State University

EVRR – Security Project
– Logan, UT

ViaWest

Security Controls Projects
– Hillsboro, OR
– Las Vegas, NV
– Minneapolis, MN
– Phoenix, AZ

ELECTRICAL

CONSTRUCTION DIVISION

Logan

Bid Package #1 Maverick Stadium – Logan, UT

Big River Steel – Multiple Projects – Osceola, AR

Blue Oak – Process Furnace Installation – Osceola, AR

BUZZI – Clay Crusher Project – Greencastle, IN

JBS Automated Distribution

Center – Hyrum, UT

JBS FAB and Process Addition

– Hyrum, UT

Logan High School Addition and Remodel – Logan, UT

Nucor Steel Hickman – HV Filter Yard – Hickman, AR

Nucor Steel Kankakee – High Voltage Upgrade – Kankakee, IL

US Steel – Transmission Line, Substation, and Melt Shop – Fairfield, AL

Salt Lake City

BioFire Diagnostics

– Salt Lake City, UT

Grace Pacific Makakilo Quarry – Makakilo HI

Holly Refinery Compressor #10 – Woods Cross, UT

IHC iCentra – Various Locations Data & Power Outlets in 15 Hospitals

IHC UVRMC – Provo, UT New Hospital Site Preparations

South Town Parking Structure – Draper, UT

The Summit Office Core & Shell – Lehi, UT

Town Ridge – Sandy, UT

TRANSMISSION LINE AND SUBSTATIONS

13 Pole Maintenance Project

– Salt Lake City, UT

Cameron Substation – Beaver, UT

Cameron to Milford Transmission Line 15 Miles

– Beaver to Milford, UT

Cascade Kraft Substation – Wallula, WA

Commerce Substation and Distribution Line – Cedar City, UT

Fiddlers Gen-Tie Solar Line – Cedar City, UT

Granite Peak Solar – Milford, UT

Latigo Wind Park and 3 Phase Shifting Transformer

– Monticello, UT

Metro May Capital Distribution Maintenance

– Salt Lake City, UT

Milford 2 Solar – Milford, UT

Milford Substation – Milford, UT

Pavant Solar Interconnect – Pavant, UT

SLC Pole Replacement May – Salt Lake City, UT

SERVICE DIVISION

Ceramatec – Building Decommissioning

– Salt Lake City, UT

Dannon – Darwin Line – West Jordan, UT

eVgo – Electric Vehicle Charging Stations – UT

HCA – St. Mark's – Campus Power Upgrade – Salt Lake City, UT

NuMark – Grubb – UPS System – Salt Lake City, UT

Oracle – HVAC Upgrade – Salt Lake City, UT

SAPA – Melter Fans Upgrade

– Spanish Fork, UT

SIGNAL AND UTILITIES DIVISION

200 East & Center Street

– Logan, UT

900 West Phase II

– American Fork, UT

1000 N. 600 East – Logan, UT

1300 E; Pioneer Road 124- 13200 So. SLC, UT

Kaycee – Buffalo, WY

Salt Lake City Traffic Signals;

California Ave, 11 E, 20E, 500 E
– Salt Lake City, UT

Spring Gulch Road and Hwy 22 Phase II – Jackson, WY

SR-36; 2000 No. to Stansbury – UT

SR-68; 2100 South to California – SLC, UT

SR-186; North Temple to 400 South – SLC, UT

SR-232 & I-15; Hill Field Road Interchange – Ogden, UT

Torrington Streets – Valley Road WYDOT – WY

Town Ridge Site Improvements – Sandy, UT

UDOT Main Contract – UT

US-91; South Smithfield to North Smithfield – Smithfield, UT

Well House #4 & Reservoir

Project – Pleasant View City, UT

Willett Traffic Signal Install

– Laramie, WY

TECHNOLOGY SERVICES DIVISION

Arches Health Credit Union – UT

Barrick Gold – UT & NV

Cache School District

– North Logan, UT

Carson City – NV

City of Henderson – NV

Dixie University – St. George, UT

Duchesne School District – Roosevelt, UT

Galileo Processing – UT

Integral Financial – UT

Jefferson City Medical Group – MO

Nucor Steel – Jewett, TX

Pacificorp – Salt Lake City, UT

Sportsman Warehouse – UT

State of Utah Courts – UT

USANA Health – UT

Utah State Board of Regents – UT

Utah State University – Logan, UT

Utah Valley University – Orem, UT

Western Governors University – UT

Dallas **Cisco Advanced Services (For Century Link)** – Various Locations

National Network Refresh
(48 Locations)

Cisco Advanced Services (For Verizon Wireless) – Various Locations

Switch Fabric Upgrades
(40 Locations)

Site Connectivity Refresh
(7 Locations)

Verizon Wireless – HI

Cisco FEX Deployments
– Mililani, HI
F5 Application Migrations
F5 Firewall Deployment
(16 Locations)
NEC Operations Staffing
– Rocklin, CA & Santa Clara, CA

TELEDATA DIVISION

AAA Call Center – Ogden, UT

Boise State – DAS Project – Boise, ID

Ebay – Row 11 & 12 – South Jordan, UT

Esurance – Ogden, UT

Heber City Public Safety – Heber, UT

Intermountain Health Care

Cottonwood Clinic
– Cottonwood, UT
Riverton Hospital – Riverton, UT

Larry H. Miller Megaplex – Lindon, UT

Logan High – Logan, UT

Salt Lake City International Airport – Deicing Pad – Salt Lake City, UT

Timpanogos High School – Orem, UT

Portland, OR

Bay Area Hospital

– Cancer Center VMS, Door
Controls – Coos Bay, OR

BIAMP – Systems Takeover – Beaverton, OR

Nike Beaverton Creek Campus – 5 Building AV and Structured Cabling System – Beaverton, OR

Nike Omaha Retail Store – Preparation for College World Series – Omaha, NE

Niketown Seattle Remodel

– Seattle, WA

PacifiCorp – PMOC Alarm / AC Enhancements – Portland, OR

MULTIMEDIA

Salt Lake City, UT

1-800 Contacts – Draper, UT

America First Credit Union – Salt Lake City, UT

dōTERRA Bottling Plant – American Fork, UT

HCA Healthcare

– Cottonwood Heights, UT

IHC Utah Valley Regional Medical Center – Provo, UT

LHM Auto Group – Sandy, UT

Malouf – Logan, UT

Mountain America Corporate – West Jordan, UT

Nike Beaverton Creek Campus – Beaverton, OR

Park City Education Complex – Park City, UT

Progressive Insurance – Draper, UT

Uintah County Commissioner Chamber – Vernal, UT

Vivant – Lindon, UT

Vivant Solar – Lehi & Orem UT

Western Governors University – Salt Lake City, UT

Zions Bank – Salt Lake City, UT

VERIZON WIRELESS SWITCH OFFICE BUILD-OUTS – NEW YORK CITY

CVE Technologies' Dallas office completed a contract for Verizon Wireless in the New York City area. This project involved building out the data infrastructure for two separate mobile switching offices. The majority of the Verizon cellular voice and data traffic in the New York City area is processed through these facilities.

CVE Technologies installed 40 racks of network equipment and thousands of associated data and power connections at each site. The aggressive schedule often demanded 12 hour work days, 6 days a week. In addition, two of CVE Technologies' project managers—Andy Walter and Dennis Stoffregen—were required to be on-site for more than three months. Andy and Dennis provided both work oversight for their teams, as well as significant physical network design input.

When this contract was awarded, the client indicated that one of the principal reasons for selecting CVE was the experience of Andy and Dennis. In recognition of the team's contributions, the client agreed to expand the initial installation contract to include additional equipment and design services. These changes increased the contact value by 120%. In addition, the successful installations resulted in the client requesting CVE installer Dang Nguyen to remain on-site for an additional 3 months to assist with tune-ups. 