



CACHE VALLEY ELECTRIC
A TRADITION OF EXCELLENCE SINCE 1915

NEWSLETTER



photo courtesy of Utah State University

Clinical Services Building

UTAH STATE UNIVERSITY | LOGAN, UTAH

105,000
SQ FT

R&O
GENERAL CONTRACTOR

UTAH STATE UNIVERSITY
OWNER

CVE DIVISIONS **Logan Electrical Construction with BIM Modeling, Signal & Utilities**

PROJECT OVERVIEW

The new Clinical Services Building for Utah State University's College of Education and Human Services (CEHS) will be a state-of-the-art facility for adults, adolescents, and families to receive a variety of clinical services, all within one building. This will include integrated service delivery, vocational and graduate student training activities, clinical research, and community outreach within six different clinics including:

- Autism & Other Developmental Disabilities
- Family & Human Development
- Aging & Memory
- Health & Exercise Science
- Speech, Language, & Hearing Sciences
- Center for Persons with Disabilities

Utah State University's Clinical Services Building was a new approach from DFCM for mechanical, electrical, and plumbing (MEP). The project was a design assist with a Gross Maximum Price which included pre-construction services. Once complete,

continued on page 3



CVE was recognized as the Top Specialty Contractor of the Year in the state of Utah for 2017 at the Annual AGC Convention.

The Annual Awards Program recognizes AGC member companies, employees, and projects that have exemplified the association's motto of skill, integrity, and responsibility.

We are honored to have received this award and it would not be possible without the incredible work and dedication from all the members of our Cache Valley Electric team.



Embassy Suites Kapolei

KAPOLEI, HAWAII

134,000
SQ FT

LAYTON CONSTRUCTION
GENERAL CONTRACTOR

WESTERN STATES LODGING
OWNER

CVE DIVISIONS **Electrical Construction**

PROJECT OVERVIEW

Embassy Suites Kapolei, one of the first Oahu hotels to open in 2017, provides alternatives for visitors who prefer to vacation away from Waikiki. The new 7-story hotel provides guests with 180 rooms, a fitness center, outdoor pool and restaurant. On Oahu, Kapolei is known as the second city, and the community has welcomed the hotel with open arms, hiring local staff who now have the ability to work 10 minutes from their homes. CVE's ECD team worked with Layton Construction to ensure an opening date of October 2017.

SCOPE OF WORK

- Complete Electrical Distribution
- Standby Generator Set
- Lighting Control System
- Branch Circuits And Fire Alarm System

CVE is continuing its teamwork with Layton Construction in Kapolei on a new Marriott Residence Inn, which will be ready for guests in 2019.



photos courtesy of Layton Construction

USU CLINICAL SERVICES (continued from pg 1)

there will be two separate buildings connected by bridges with a courtyard/garden area in the center of the buildings.

SCOPE OF WORK

As part of our scope, CVE assisted the design team in designing a system that is in accordance with all national, state and local codes, laws and ordinances. CVE is

constructing the electrical systems within this facility for a traditional institutional building at USU campus.

Systems included:

- Medium Voltage Distribution
- Low Voltage Raceways
- General Electrical Distribution
- Fire Alarms
- Lighting and Lighting Controls
- Access Controls
- General Electrical and Convenience Power

CHG Healthcare Headquarters MIDVALE, UTAH

282,000 SQ FT

OKLAND CONSTRUCTION
GENERAL CONTRACTOR

CHG HEALTHCARE
OWNER

CVE DIVISIONS **Multimedia, CVE Technologies**

PROJECT OVERVIEW

This was a very unique project for CVE. Our Multimedia team worked closely with CHG Healthcare and the entire project team in a true design-build effort throughout the entire process. For the better part of a year, CVE attended two project meetings per week to identify and address what had been mandated by CHG Healthcare as the need for "world-class AV" at their new headquarters.

CVE's Technologies Division also supported CHG's build out of their corporate Cisco Data and Wireless network infrastructure.

SCOPE OF WORK

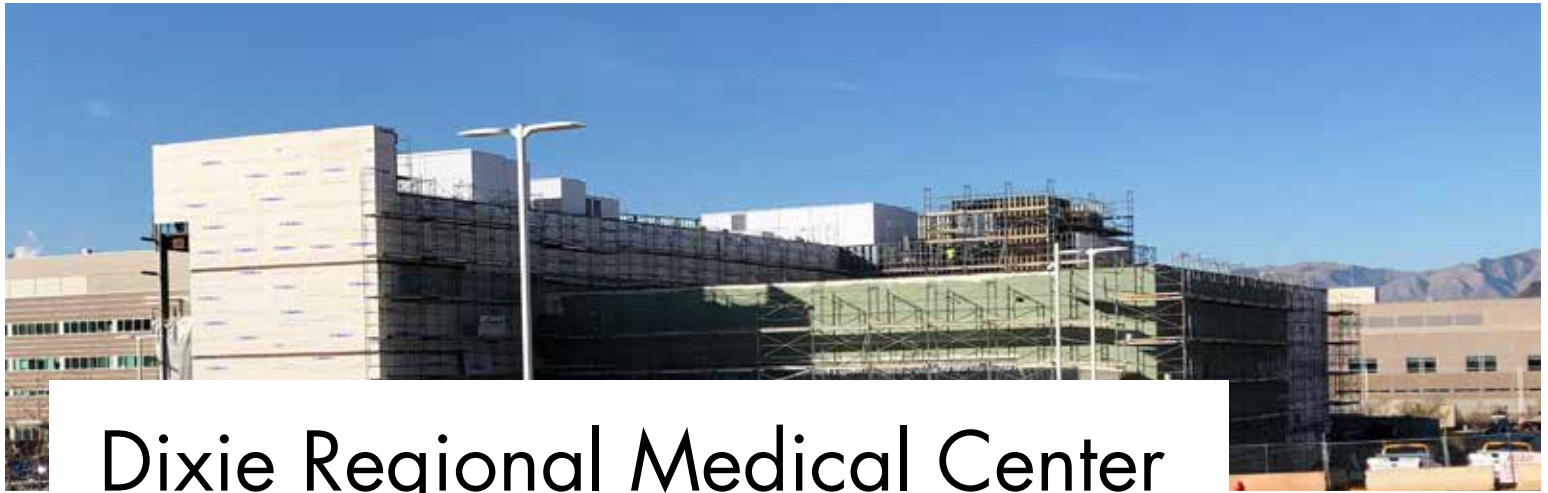
- Provided AV in over 125 locations throughout two 5-story buildings
- 85 Small, Medium and Large Conference Rooms
- 4 Training Rooms
- Fitness Area
- Outdoor Amphitheater
- CHG People Hub — a large meeting space for CHG's events, it also plays a key architectural role by connecting both buildings

CVE thanks CHG's Sr. Manager Building Operations Technologies Jim Whitehead for his excellent corporate coordination and communication throughout this entire project.



photos courtesy of CHG Healthcare

PG 3



Dixie Regional Medical Center

ST. GEORGE, UTAH

471,000
SQ FT

OKLAND CONSTRUCTION
GENERAL CONTRACTOR

INTERMOUNTAIN HEALTHCARE
OWNER

CVE DIVISIONS **Electrical Construction, Signal & Utilities, Teledata, Multimedia**

Dixie Regional Medical Center has been over a two year project for CVE. This hospital upgrade and expansion was a coordinated design assist effort with Intermountain Healthcare. The hospital has been open and operational during the entire construction process with no interruption to critical systems or patient care. CVE's Kirk Mouniford has been instrumental in this effort because of his experience and knowledge of the existing hospital. Over 175,000 man hours have gone into this project so far, and the result is a state-of-the-art medical facility in the heart of southern Utah's red rocks.

DIXIE REGIONAL MEDICAL CENTER

PROJECT OVERVIEW | ELECTRICAL CONSTRUCTION

1ST PORTION | FEB. 2016

- Upgrading the medium voltage loop of the campus
- Adding parking lot lighting in 5 different areas

2ND PORTION | FINISH AUG. 2018

- 5-floor South Tower - patient rooms
- 5-floor North Tower - Women's Center
- 3-floor Diagnostic & Treatment Building, including a new Central Utility Plant
- Renovation effort includes upgrading different areas on three levels of the existing hospital

DIXIE CANCER CENTER

SCOPE OF WORK | ELECTRICAL CONSTRUCTION

- Bringing Medium Voltage to the Site
- CT Scan Room
- MRI Room
- Pet/CT Scan Room
- Two Linear Accelerators
- Large Parking Area



DIXIE REGIONAL MEDICAL CENTER TI PACKAGE

PROJECT OVERVIEW | TELEDATA

The Teledata Division is installing basket tray and j-hook pathways for all the hospital's systems cabling, fiber/copper backbone, voice/data cabling and hardware, nurse call cabling, PA speaker cabling and system, TV cabling and system. CVE will also build out all new Technology Distribution Rooms (TDRs). This project includes the site rework and installation of fiber and copper cabling for cameras and code blue towers.

SCOPE OF WORK | TELEDATA

The project's scope of work includes the expansion and rework of the existing TEC (data center). This requires on-going coordination with the Dixie Intermountain Healthcare IT department and team. Project foremen Brett Paxman and Corey Elmer are working in a fully functional hospital TEC and must be very careful not to shut down any systems as they rework all the existing cabling.

When the Dixie campus addition is complete, CVE will have installed:

- 1,120,000 feet of Siemens Cat6A F/UTP cable
- 158,000 feet of Siemens Cat5e UTP cable
- 19,000 feet of 24 St SM fiber
- 10,000 feet of 50 pair copper backbone cabling

photos courtesy of Okland Construction



DIXIE CANCER CENTER

PROJECT OVERVIEW | TELEDATA

The Teledata Division is installing basket tray and j-hook pathways for all the cancer center systems cabling. CVE will build out a new TEC (data center) and new TDRs, install fiber/copper backbone, voice/data cabling and hardware, nurse call cabling, PA speaker cabling and system, and TV cabling and system. This project includes the site rework and installation of the fiber and copper cabling for cameras and code blue towers.

Upon completion, Corey Elmer and his crew will have installed:

- 270,000 feet of Siemens Cat6A F/UTP cable
- 40,000 feet of Siemens Cat5e UTP cable



Project Updates

SNOW GOOSE 500-230KV SUBSTATION KLAMATH, OR

CVE's Transmission Line and Substation Division recently completed the Snowgoose 500-230KV Substation for Pacificorp. This was a challenging project in an area of Oregon with a very high water table. Thanks to the tremendous effort and professional expertise of our CVE team, the project was a huge success.



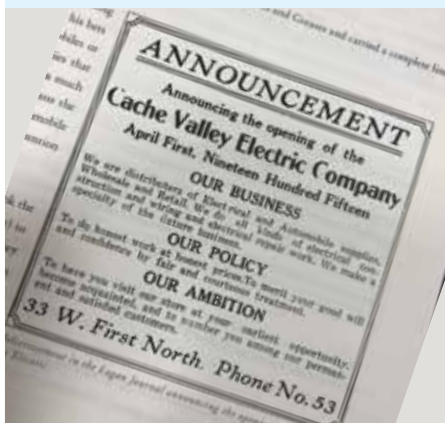
photo courtesy of Okland Construction

DAYS OF '47 RODEO GROUNDS SALT LAKE CITY, UT

Completed in time for the 2017 Days of '47 Rodeo, this project represents the coordinated efforts of CVE's Electrical Construction, Teledata and Multimedia Divisions. This 10,000 seat outdoor arena brings together Utah's beautiful summer nights and traditions steeped in Utah heritage. CVE's contributions to the lighting and sound made this a project to remember.

Looking Back

CVE has been trailblazing in electrical construction since the light bulb was leading edge.



1915 Logan Newspaper Announcement



CVE's newly created Customer Appreciation Wall

Today, our ambition remains the same: To number you among our permanent and satisfied customers.

We continue in the same innovative spirit as we move towards tomorrow.

Looking Ahead

INTRODUCING OBSERVIAN

Powered by CVE, Observian provides companies with resources to improve cloud experience and harness the power of Amazon Web Services. Observian's goal is to help companies develop usable, repeatable, and automated cloud solutions while educating and supporting their team's needs.



Recently Awarded Projects

ELECTRICAL CONSTRUCTION

Dixie Regional Cancer Center

Mondi Fire Alarm Upgrade

LDS Assembly Hall

Lighting Upgrade

Niagra Bottling Laser

Guided Vehicle Project

Spanish Fork Hospital

Design Assist

DFCM Prison Design Assist

Project Husky

IMFT - Multiple Projects

Salt Lake City Airport Temporary Power - multiple projects

GAF Pennsylvania

Old Dominion - multiple projects

Vivint Arena - various projects

LOGAN OFFICE

USU Life Sciences Building

USU Clinical Services Building

USU-12.5KV Distribution Upgrade

USU Morgan Lobby Remodel

JBS Engine Room Upgrade

S&S Worldwide Manufacturing Facility and Offices

INDUSTRIAL

Nucor Steel Nebraska - Norfolk, NE

- RFID & Crane Position Tracking System

- EAF Sump Sampler Robot & Auto Sander

- IMF Automation Controls Upgrade

- Admin Office Remodel

- NN1 High Speed Shear Upgrade

- NN1 Shear 4 Lube System Upgrade

- NN1 Roll Mill Drives & Controls Upgrade - Phase 1

- NN2 Speed Controls Upgrade

Nucor Steel Utah - Plymouth, UT

- Reheat Furnace Flame Safety PLC Upgrade

- Tapping Pulpit Upgrade

- EAF Transformer Vault, Fire Suppression System

- Communication Fiber Trunk Upgrade

- Shipping Bay Fans

- Ongoing Maintenance Work

Nucor Steel Arizona - Kingman, AZ

- Roll Mill Drives & Controls Upgrade

Nucor Grating

- Grating Line Demo & Relocation Utah

- Grating Line Demo & Relocation Texas

Nucor Steel - Marion, OH

Substation Upgrade

Nucor Steel Hickman - Cold Mill, AR

- Hickman CM2 Lighting

CMC Oklahoma

- Spooler Line

- Network, Fire Alarm and

Cameras Systems

ARKANSAS

Crane Composites Drum Room and Cooler Lighting

Razorback Manila Concrete Plant

Carego Automated Coil Storage System

Dell Power MMF Phase 2

PreCoat Metals Air Circulation System

PreCoat Metals Thickness Tester

HAWAII

HFFC Fuel Farm Facility

Campbell High School – New Classroom Buildings

Sheraton Maui Renovation

Hawaii Community College Upgrade

Electrical Distribution Infrastructure, Campus Wide

5Kauai Community Federal Credit Union

Marriot Residence Inn Kapolei

North Shore Urgent Care

SERVICE DIVISION

SAPA - AutoPak System

Cressona, PA/Spanish Fork, UT

SAPA - Log Furnace

Spanish Fork, UT

Jim Bridger Power Plant - Precipitator Building Rewire Point of Rocks, WY

McKay Dee Hospital - UPS Ogden, UT

BYU - Miller Ball Park Field Heat Trace Provo, UT

Ute Tribal Office - Generator Duchesne, UT

HAFB Building 238- UPS Upgrade Ogden, UT

USAF Kwajalein Atoll - UPS Upgrade Kwajalein Atoll

Conduit - Interior Remodels Sandy, UT

Conduit - Data Center Expansion Sandy, UT

United Parcel Service - Peak Village SLC, UT

SIGNAL & UTILITIES

UDOT 500 West; 700 South & Forest St, Brigham City

UNG East Entrance Draper – UT National Guard

UDOT I-15 & Layton I-15 Crossing Signs

ATK 35A Catenary LPS Project

UDOT SR-173 (5300 So) Signal Improvements

Hill AFB Leveling Dock Power – ACOE

UDOT Logan Roundabout 500 No & 600 E

UTA Warm Springs 600 A Service Upgrade

Triumph & Traverse Mountain Signal, Lehi City

Smith's Ballpark LED Field Lighting Upgrade – Salt Lake City Corp

Provo City Lakeview Parkway Lighting

SLCIA Terminal Redevelopment – SLCDOA

AVTEC

Avista Corporation

Network Bldg – Video Project

Barrick Gold Corporate Henderson Security Expansion Project

Central Valley Water Reclamation Site Security Upgrade Projects

Metropolitan Water District of Salt Lake & Sandy Fluoridation Building – SCS Project

Park City Municipal

Public Works – Security Upgrades

Public Utility District No. 1 of Chelan County – CCTV System Upgrade Project

Questar Corporate:

SLOC – Security Upgrades

Lake Mountain – Security Upgrades

Ogden Service Center – Security Upgrades

Rocky Mountain Power

Jim Bridger – System Upgrades

Dave Johnston – System Expansion

S-Power – Lancaster Station Project

Salt Lake City Department of Airports

Screening Checkpoint – Queuing

Systems Project

Airport Operations Center

Teleperformance

McKinney – Data Center Project

ViaWest Security Controls Projects:

Denver, CO

Salt Lake City, UT

CVE TECHNOLOGIES

UTAH

Hawaii Pacific Health – wireless upgrade

Nuskin

ProPay

LDS Church

Barrick Gold

Skywest Airlines

Autoliv

Intermountain Healthcare

Duchesne County SD

Utah Valley University

Rio Tinto (Boron)

Zions Bank

Utah Retirement Systems

Savage Industries

PORTLAND

Nike

TriMet

City of Milwaukie

DALLAS

McKinney ISD

TELEDATA/MULTIMEDIA

BYU HCEB Addition - Provo, UT

Salt Palace DAS - SLC, UT

Layton Construction IRS - SLC, UT

Mountain America HQ - Sandy, UT

Ancestry 4E Build-out - Lehi, UT

eBay Fiber and Backbone - South

Jordan, UT

Indian Hills MS - Sandy, UT

P923 RCC/E Facility - Honolulu, HI

HPH Wilcox Wireless Upgrade -

Lihue, HI

LOGAN CORPORATE OFFICE

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Logan, UT 84321
435-752-6405

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870-824-6670

OREGON OFFICE

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Portland, Oregon 97223
503-431-6600

TEXAS OFFICE

2370 West Airfield Dr., Ste 200
Dallas, TX 75261
469-867-5309

HAWAII OFFICE

733 Bishop St., Ste 2170
Honolulu, HI 96813
808-354-0080

CVE.COM



CACHE VALLEY ELECTRIC

Cache Valley Electric
875 North 1000 West
Logan, UT 84321

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U.S. POSTAGE
PAID
SLC, UT
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Return Service
Requested



CACHE VALLEY ELECTRIC IS HONORED TO HAVE BEEN
CHOSEN AND RECOGNIZED BY OUR INDUSTRY PEERS AS THE
2017 AGC SPECIALTY CONTRACTOR OF THE YEAR

OUR PEOPLE ARE OUR POWER

CVE Employees Receive UDOT's Silver Barrel Award

CVE employees were recently recognized by UDOT and received their Silver Barrel Award. As stated on the UDOT website, "this award is a way to call attention to and thank the many employees who excel at UDOT." This award

extends to companies that partner with UDOT. CVE employees received the award as a result of work performed throughout the night on August 11-12, 2017. A crane truck was traveling down a UDOT road with its boom extended and the boom came in contact with a traffic signal mast arm. The collision overturned the boom truck and knocked all signal heads, signs and detection off the mast arm. The mast arm was badly damaged as well. The incident occurred at an extremely high traffic intersection. UDOT contacted CVE, who immediately responded and began repairs to the traffic signal. Even though it was late on a Friday night, our employees responded without hesitation. They worked throughout the night to set up temporary traffic signals and remove the damaged mast arm. The CVE employees who responded to the incident included Eric Ward, Jeremy Smith, Dylan Wylie, Calvin Watson, Jody Nielson, Tyler Osborn and Jeremy Boudrero. Each of these employees was personally presented the Silver Barrel Award by UDOT Executive Director Carlos Braceras. UDOT employees were extremely appreciative of the outstanding work that CVE did on this incident and also expressed how CVE always goes above and beyond on their projects and that CVE is their contractor of choice because they know the work will be done right. Congratulations to these outstanding employees on receiving this award and to those that work on UDOT projects.



CVE employees Dylan Wylie, Eric Ward, Tyler Osborn and Calvin Watson (right) with UDOT Executive Director Carlos Braceras (left) and other UDOT employees involved on the project at awards ceremony. (not pictured Jody Nielson and Jeremy Boudrero)