

**Berwick**  
**ELECTRIC CO.**

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1921

Generations  
Power. Forward.

# The Berwick Connection

Volume 2012 | Issue II



Air Force One  
during President  
Obama's visit to  
Colorado Springs

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## Special Issue Peterson Air Force Base

Berwick Electric Co. (BEC) successfully completed the heating, ventilation and air conditioning (HVAC) upgrade at the Peterson Air Force Base Clinic (Building 959) in May of 2012.

This project included electrical connections to three major air handling units, a boiler upgrade, fire alarm interface/relocation, lighting relocation, a 400A temporary chiller connection feed, the addition of electrical subpanels, and a complete replacement of the existing controls system. The upgrade was completed while the facility was occupied and active. We worked closely with the U.S. Air Force to provide minimal disruptions to the facility's operations and patients. Due to the facility occupancy, much of the work was performed at night and on weekends.

BEC was contracted for the HVAC equipment upgrade by Carrier Corporation's federal team from Denver and was contracted by Automated Logic's Strategic Projects Group for the controls replacement/upgrade. The electrical power portion of the project was a design-build, with Sol Chavez as the designer of record. The controls upgrade portion of the work was the first building at Peterson Air Force Base to use a proprietary Direct Digital Control (DDC) HVAC control system outside of the base-wide current controls contract. *Special Thanks on Page 5*

**"Thanks for all the hard work..."**

## Featured Foreman Cathy Starr



"Working at the Olympic Training Center is always an adventure...one day while working on a dorm remodel, I walked into the rec room to find a coach giving his male athlete a massage. Face up, sans clothes. It turns out, Sweden's wrestling team is by no means shy. I turned quickly and apologized but they were not fazed; they asked me to continue my work. I think I was red-faced for days."

*Full profile on  
Page 2*

**"I am thankful and blessed for the knowledge and experience that I have received over the years, and shall continue to receive through Berwick, and look forward to using it in the future as my life progresses."**



South Building of Memorial Hospital, located at 1400 East Boulder Street Colorado Springs, Colorado.

## What's New? Healthcare Projects

We are currently wrapping up a paralleling switchgear project over at Memorial Hospital on East Boulder Street. In the works since December of 2010, look for a total recap by the Project Manager, Tony Cerciello and meet the project Foreman, John Travers in our next newsletter!

(Volume 2013 | Issue I)



L: Cathy & daughter Lydia posing for look-alike contest; R: Cathy & husband, Bill Starr

## Featured Foreman Cathy Starr

Cathy Starr has been a licensed Journeyman Electrician with Berwick Electric Co. (BEC) since January 2007. In 2012, Starr has completed fire alarm upgrades for School District #11, the U.S. Olympic Training Committee, and Memorial Health Systems.

Starr's first project with Berwick was St. Francis Hospital, the largest in her career to date. Though she is a licensed Journeyman Electrician, Starr prefers Fire Alarm work. She is NICET level II certified and has a Pikes Peak Regional Building Department Fire Alarm Installer license. Starr is BEC's current Responsible Managing Employee (RME), which includes signing prints before submission to the Colorado Springs Fire Department. She has also taught two NICET test prep classes for the IBEW (#113) union hall. "Our field

Foremen and Journeymen are

the best I have had the pleasure to work with. I look forward to training the next generation of apprentices."

Born and raised in Medford, Oregon, Starr attended Oregon State University for a short time to study Forest Management. Over the next several years she

started a family and moved to Colorado Springs, Colorado in 1994.

Starr was raised by her late mother, who was extremely hard working. "I am proud of the woman she was," says Starr. Raising five children of her own (four boys, one girl, between ages 18 and 27), Starr has her mother's spirit of hard work. Starr's daughter, Lydia, had her first daughter on October 23, 2012. Starr is a proud grandmother; Rayne Grace was born 6 lbs. 9 oz., is 20 inches tall and has a full head of hair.

Before getting licensed as an electrician and joining the Berwick team, Starr home-schooled her children for eight years and worked as a school bus driver. She met the Training Director for CSEJATC<sup>1</sup> at a job fair. "I honestly had never even considered being an electrician before that

moment," says Starr, "I went through the apprenticeship as a single mom; my main goal was to make enough money to support my family."

Starr is recently remarried to Bill Starr. They teach Sunday School once a month, kindergarten through 3<sup>rd</sup> grade. "It is a joy to us. My husband also works in drug and alcohol therapy, including teaching DUI classes." Together the couple enjoys remodeling their house and watching the

Broncos.

"I appreciate working for Berwick and am proud to tell people what a professional organization I work for. Our staff conducts itself in a friendly, productive, customer-oriented and honorable way," says Starr.

Tony Cerciello, Project Manager at BEC, had this to say about Starr: "Cathy installed the fire alarm system at Children's Medical Office Building. The Simplex fire alarm system consisted of a new Fire Alarm Control Panel, as well as over 300 Initiating Devices, over 200 Notification Appliances, control and monitoring modules for the mechanical equipment, and over 12,000 feet of cable. The system was tested and commissioned by Cathy, Simplex and the Colorado Springs Fire Department (CSFD) without any issues. CSFD and Simplex both have expressed to Berwick Electric that they have a very high respect for Cathy's knowledge of the systems and her workmanship."

<sup>1</sup> Colorado Springs Electrical Joint Apprenticeship Training Committee

Continued from Page 1





UL: Western-scape from BEC office roof at 4:30 PM on 6/25/12; UR: 4:40 PM, same day; L: Photo by Denver Post, week of 6/25/12

### Waldo Canyon Fire CSR in CO Springs

Since the Waldo Canyon Fire in June 2012, local companies, including Berwick Electric Co. (BEC), have had an opportunity to step up with corporate social responsibility initiatives and provide support to our neighbors.

During the flames' descent on the Pikes Peak Region, we all suffered a smoky atmosphere throughout our beautiful

home, unable to see our western-scape for weeks. Wednesday, June 27, 2012, firefighters and state-funded aid began making requests for essentials. That morning, the firefighting team requested socks and eye drops. Within 20 minutes, over \$80 was collected from BEC office staff. In addition, Jim Peterson,

President at BEC, ran over to the local Costco to get 144 pairs of heavy socks.

Meanwhile, Brittany Harp, Marketing Coordinator at BEC, took the office donations over to a local grocery for the requested eye drops. After accessing how costly the drops would be for a large quantity, Harp made a call to The Mentholatum Company™. BEC's request for an emergency donation was overnighted to the Colorado

Springs Police Department. The Mentholatum Company donated 1,000 bottles of their newest solution, Rohtos Hydra™ to the Waldo Canyon Fire first responders. We thank them for their quick action in our community's time of need.

Berwick Electric Co. was also proud to donate \$5,000 to the Pikes Peak Area Crime Stoppers. \$4,500 of the donation will reward an anonymous tip leading to the arrest of the arsonist(s) responsible for the fire that cost 347 community members their homes. Two lives were lost. There's no price on what we can do to help our neighbors regain normalcy to their lives. Most of us have moved on and remember June 2012 as a

month of horror and awe. Others have lost everything dear to them save for their loved ones.

As a community, we thank all those that assisted the Pikes Peak Region over the summer.



### Peterson Air Force Base Air Force Space Command Headquarters

Berwick Electric has been working at the Air Force Space Command Headquarters in Hartinger Building (Building #1) for nearly a year under contract with Bryan Construction, Inc.

This project will upgrade the 120/208V normal power distribution system. This required replacement of all branch circuit conductors associated with the modular furniture within the building. The scope also included installation of 27 dry type transformers, 49 panelboards, coordination to maintain electrical service to mission critical equipment during shutdowns, coordination and approval to work around active highly classified network systems, installation of highly classified network systems, installation of nearly 100 miles of cable, and an LED lighting retrofit.

The DataComm scope included replacing all outdated CAT 5 copper data cable with new CAT 6 cable to increase the bandwidth and replacing or reworking all SIPRNET (Secure Internet Protocol Routing) fiber optic cable to the desks throughout the building. DataComm also was responsible for cleaning up and installing new racking in all of the communications closets.

Due to the efficiency, craftsmanship, and diligence of both the

**“Efficiency, craftsmanship and diligence...ahead of schedule”**

communications and the power crews, this project is ahead of schedule and has been given multiple accolades by AFSPC and U.S. Army Corps of Engineers.

#### A Sincere Thanks

Thank you to Dylan Alley, Chris Bowlby, Ken Brumley, Paul Brumley, Nathaniel Cinocco, Duane Dunblazier, Brad Gann, Jeff Gawron, Kathleen Mandelkow, Brian Middleton, Brian Miller, Gary Murphy, Bob Palmer, Tony Pisaneschi, Brandon Prime, Ray Rincon, Anita Ternyak and Dan Wetekam for all of their work associated with this project.

A large thanks goes to our office staff involved with this project as well: Dorsie Childs, Will Krueger, Mike Pacheco, Tyler Patzner, Terry Schneider and Bill Tuten.



Photo from PAFB website

## Additional Thanks Peterson AFB Projects

### **Building 365**

Installation of a new split system air-conditioning system for the Secured Compartmentalized Information Facility (SCIF) communications room for the Canadian Forces Mission Support Group.

**Thank you to Dylan Alley**

### **Building 656**

Replacement of electrical feeder and controls for a new air handling unit for the Security Forces.

**Thank you Chris Bowlby,  
Tony Pisaneschi, Brian  
Miller & Ray Rincon**

### **Building 1840**

Maintained mission functionality while providing additional power and relocating some classified networks within a Secured Compartmentalized Information Facility (SCIF). This project was contracted by the Air Force Shared Early Warning Systems group.

**Thank you to Chris Bowlby**

### **Building 1425**

Conversion of 30,000 sq. ft. of retail space to office space. Repaired, modified and expanded the electrical distribution and communications networks to support housing up to 200 peoples work spaces. Project was contracted by Bryan Construction, Inc.; construction was completed in a severely aged building.

**Brad Gann** was the project lead on this conversion and was supported by:

<b>Dylan Alley</b>	<b>Brian Middleton</b>
<b>Ken Brumley</b>	<b>Gary Murphy</b>
<b>Paul Brumley</b>	<b>Tony Pisaneschi</b>
<b>Jeff Gawron</b>	<b>Ray Rincon</b>
<b>Kathleen</b>	<b>Anita Ternyak</b>
<b>Mandelkow</b>	

## 2012 Outstanding Corporate Philanthropic Program Berwick Electric Co.

On Wednesday, October 3, 2012, Berwick Electric Co. received the 2012 Outstanding Corporate Philanthropy Program Award from *Partners in Philanthropy*. Berwick was nominated for the award by Special Kids Special Families of Colorado (SKSF). "Doug Berwick, Jim Peterson and the employees of Berwick Electric designed and created our adult day program space around the needs of the adults with disabilities that we serve," SKSF Executive Director Linda Ellegard says. "We could not ask for a better facility." BEC was proud to donate new carpet and cabinets for the

space as well as electrical materials and services.

Given only four months to relocate to a new facility, SKSF was running low on time when they came to BEC. Berwick Electric is no stranger to the SKSF organization; in 2010, the office staff donated children's Christmas gifts for their Zach's Place program. After deciding that the Berwick facility's empty 14,386 sq. ft. space facing N. Nevada Avenue would be a great fit for SKSF, the remodel plans began. There were a lot of changes that had to be made to the space that held BEC's employee appreciation steak fry in 2010.

Jim Peterson, President, Waldo

**We would like to thank  
all those involved with  
the SKSF project!**

Pendleton, Service Department Manager and Doug spent a good deal of time ensuring that all of the remodeling would be done with enough time to get the special adult services organization moved from their old building before the lease expired.

*Partners in Philanthropy* is a forum to recognize and celebrate gifts, giving, philanthropy and donors. The *PiP* is comprised by the Pikes Peak Funders Forum, Pikes Peak Community Foundation, Center for Nonprofit Excellence and Pikes Peak United Way.

Congratulations to the other winners honored this year: Wendel Torres, Scott Blackmun, Colorado Springs Osteopathic Foundation, Barron Collier II and Margot Lane. Thanks for all your hard work and dedication to philanthropic causes in our community.



**ABOVE: Doug Berwick accepting philanthropy award; L: Berwick service guys by N. Nevada Ave. sign.**



## More Updates from Peterson Air Force Base

### Northeast Lift Station

Thank you to Bob Palmer and Brandon Prime for their work on relocating a splice box to an above-ground, readily accessible location. This new 500kVA primary transformer project required removal of a several hundred pound explosion-proof junction box from within a 40' deep well and relocation

to the surface so that the connections within the box will be accessible for repairs in the future. The retrieval of the equipment from the well required confined space training and equipment.

**“Over 300,000 gallons of jet fuel...  
new 500kVA primary transformer”**

### Thank You Berwick's PAFB Team

(Bldg. 959; see Page 1)

#### Project Foreman:

Chris Bowlby  
& His Team:

Paul Brumley	Brian Riggs
Kathleen Mandelkow	Greg Spurgeon
Tony Pisaneschi	Dan Sternthal
Brandon Prime	Matt Swift
	Matt Walker

“Thank you for your hard work and for making time within your personal schedules to accommodate the out of ordinary work schedule,” commends Andrew Maestas, Project Manager.

### Bldg. #1 Museum Lighting

BEC was contracted by Air Force Space Command Headquarters to perform a lighting upgrade at their museum, for their 30th Anniversary and Commanders Conference. Bob Palmer, Brandon Prime, Brian Miller and Duane Dunblazier coordinated with the Office of the Command Historian to make sure that the project was completed by the commencement of the anniversary events. Thank you very much to Will Krueger, in BEC's warehouse, for accommodating the museum's expedited need for nonstandard material procurement. This project consisted of the installation of new cooling fans for the display cases, complete lamp replacement, light fixture replacements, new LED lighting within the display cases, and timers were added to control the lighting in the museum.



Peterson AFB Museum; photo from PAFB website

### Fuel Station Upgrade

Berwick Electric has been contracted by TolTest, Inc. for the electrical scope of work associated with various repairs and upgrades to the Peterson Air Force Base Petroleum, Oils and Lubrication site. The site holds over 300,000 gallons of jet fuel and has facilities to accommodate loading and offloading for Department of Defense aircraft.

The electrical scope includes a new 500kVA primary transformer, new 480V 600A service, re-feeding the existing 120/208V electrical service from the new 480V service, new motor starters, reconfiguring of some existing motors for 480V supply, several new distribution and subpanels, and new fuel shut-off system. Berwick has worked with the end user to develop detailed schedules and contingency plans to coordinate the facilities fueling requirements with the need for system shutdowns to perform this upgrade.

### In progress...

Chris Bowlby & Mike Drummond are working safely and diligently to ensure the success of the Fuel Station Upgrade.



Waldo Pendleton, Service Dept. Manager (R) became a first-time grandfather on October 1, 2012. Ava Josephine was 6 lbs. 14 oz., 19.5" long. Wife Cheryl (seated) & daughter Khala Petraglia (UL)

### Congratulations! BEC is Expecting

- Evin Gates, Billing Clerk for the Service Dept. is expecting a girl on March 14, 2013.
- Paul Brumley & wife Emily are expecting twins on May 11, 2013. Paul is a Project Manager in the DataComm department.
- Will Krueger, (Warehouse Manager) wife Coral & son Kristian are expecting a surprise bundle of joy on May 16th, 2013.
- Don LaRoe (Service Dept. electrician) & wife Cheri will be first-time grandparents in May 2013. Daughter Amber & her husband Chris are expecting twins.
- See Page 2 article for Cathy Starr's granddaughter announcement!



The Voice/Data/Video department has been rebranded as DataComm. For a full list of services offered, visit

[www.berwickelectric.com/  
services/datacomm](http://www.berwickelectric.com/services/datacomm)

## Current Projects Winter 2012 & Spring 2013

Project & Location	Project & Location
Evans Army Hospital 3rd Floor Remodel, Fort Carson	USAA Mechanical Upgrades Colorado Springs
Brigade Complex (L) - Company Operations Facility, Fort Carson	Building #700 Power Circuits Schriever Air Force Base
LSI ASD, Validation & Performance Labs Colorado Springs	U.S. Olympic Training Committee Building 83 Fire Alarm/Mass Notification
SPIG Cooling Tower s Hayward, CA	New Gate 19 Point of Entrance, Fort Carson
Air Force Space Command Building 1, Peterson AFB	Bro^dmoor Central Utility Plant Colorado Springs
Memorial EPIC Solar Project Colorado Springs	International Cooling Towers Houston, TX
Myron Stratton Home Colorado Springs	Various Jobs Peterson Air Force Base
Memorial Hospital Switchgear Colorado Springs	HVAC Upgrades Multiple Buildings, Fort Carson
Colorado College Fitness Center Colorado Springs	Bro^dmoor West Activity Center, Colorado Springs
Boiler #2 Replacement Fort Carson Boiler Plant	Central Issue Facility Fort Carson

*Projects are listed in random order.*

## Safety Corner: Winter Electrical Safety Check

During a typical year, home electrical problems account for 26,100 fires and \$1 billion in property losses. About half of all residential electrical fires involve electrical wiring.

- Routinely check your electrical appliances and wiring. Replace all worn, old or damaged appliance cords immediately. Do not try to repair them.
- Buy only appliances that have the label of a recognized testing laboratory.
- Major and small appliances should be plugged directly into a wall outlet. Never use an extension cord. Unplug small appliances when not in use.
- Extension cords are for temporary use only. Have a qualified electrician determine if additional circuits or wall outlets are needed.
- Keep clothes, curtains and other items that can catch fire at least three feet from portable electric space heaters.
- Use light bulbs that match the recommended wattage on the lamp or fixture.

**More information at <http://goo.gl/Kgy8p>  
( [www.usfa.fema.gov/](http://www.usfa.fema.gov/))**



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