

What's Happening

DOYON UTILITIES' MONTHLY PROGRESS AT-A-GLANCE



Message from the President

Reflecting on 2010

It seems like yesterday we were welcoming 2010 and now it is nearly time to start singing Auld Lang Syne to bring this year to a close. Doyon Utilities has many accomplishments and much to be thankful for in the past year. Leading the list of accomplishments has been the outstanding performance of our employees. As with any organization, the greatest strength comes from within and our employees are a prime example of such strength.

We have welcomed several new faces to the company this year and have now stabilized our workforce where we do not expect to make major changes in the near future. At this juncture, our workforce is reasonably well matched to our long term workload. Anomalies may still occur but they are not expected to result in major surges in personnel or workloads at our sites.

Our workforce has excelled in obtaining professional certifications. Water and Wastewater Operators have worked very hard to obtain the required Alaska Department of Environmental Conservation Certificates in water and wastewater and the Central Heat and Power Plant personnel have excelled in obtaining Alaska Boiler Operator Licenses. In many instances, employees have gone beyond the required minimum level of certification and obtained licenses at a higher level than required of their position. We have also had a significant number of

Dan Gavora
President/CEO



employees who obtained certification even though their position does not require it. These efforts to demonstrate professional competence speaks well for the individual employees and the operational environment that promotes such professionalism. I would like to congratulate every one of our employees that has dedicated the effort to improve their value to the company and encourage the "learning journey" to continue.


Doyon Utilities has also completed a massive capital projects program during 2010. All three posts have been impacted by new initiatives from the government to support stationing plans for the military and to improve facilities at each post. In order of magnitude, 223 projects were essentially completed in 2010 at a cost of more than \$67 million. Put into perspective, our project managers have had little time to focus on anything other than keeping their projects on track. A slight reprieve would be a welcome treat for the project managers at this point in the year! The real benefit of our efforts will be realized for many years as utility service and reliability have been enhanced for our customers.

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We serve the greatest military force our nation has ever known and our efforts are a small contribution to the service they provide. We sincerely thank our military forces and the many government employees and contractors that provide support to them.


After two years of operations, we have consolidated our administrative staff under one roof. The accounting staff has joined the remainder of the administration in the Jimmy Huntington Building and staff coordination has been streamlined. We are glad to have everyone working in one location and look forward to even better administrative support in the coming year.

2010 has been a busy year and 2011 is stacking up to be just as challenging. I look forward to the energy our employees will bring to our efforts next year and fully anticipate another full measure of success. We have much to be thankful for during the coming year and I wish everyone a very great New Year. 

Fort Greely


Electrical Work Continues Throughout Winter

By Al Thomas, Assistant Site Manager

Work continues on the EDS (Electrical Distribution System) at FGA throughout the winter. DU contractors continue to install power poles and set transformers in the housing area. It is estimated that the full conversion to the new system in housing will be completed by the end of February at which time the EDS crews will begin the final stages of the conversion in the commercial area. 



CHPP HVAC Install Complete

DU has completed the installation of the HVAC at the FGA CHPP. We are continuing with operator training and the fine tuning of the programming. The HVAC system has improved our ability to provide combustion air to the boilers and the backup generators and providing heating and cooling to the power plant. 


JBER

Building 772 Demolition

By Mack Miessner, Project Manager

Doyon Utilities (JBER) is preparing for the Summer 2011 demolition of Building 772. Building 772 currently houses the outdated Fairbanks Morse generators, used as a standby generation system for JBER. The generators in Building 772 (also known as the FM Building) will be replaced by the 9 megawatt black start backup generation system located at the new D Street Substation.

Once the new D Street Substation generators are on line, Building 772 will be demolished. This is currently scheduled to be complete by the summer of 2011. The demolition will require removal of a number of hazardous materials, to include asbestos, lead paint,

and PCB contamination. Doyon Utilities will be required to manage the demolition closely, to ensure proper disposal of materials. Also, Doyon Utilities holds the responsibility to complete all necessary notifications to ADEC and EPA prior to and during the demolition. 



New 120/208V, 600 amp, 3PH service/ Disconnect

By Steve Hatzis, Project Manager

Doyon Utilities provided design and installation of a new overhead 600A, 120/208V, three phase electric service/disconnect with a single meter on the exterior north end of Bldg. 724, Quartermaster Road, Joint Base Elmendorf Richardson.



Fort Wainwright

CHPP Boiler Combustion Air Intake Louver & Control Damper Upgrades

By George Ferree, Project Manager

This is a follow-up to the October 2010 report on the FWA CHPP Boiler Combustion Air Intake Louver & Control Damper Upgrades Project. The Fort Wainwright Central Heat & Power Plant has six (6) operational coal-fired boilers. Each boiler has a separate system to draw in outside air to provide the oxygen required for the combustion process. The first part of each system consists of a set of fixed (non-moving) metal louvers, with a debris screen, and set of operable (moving) metal louvers, more appropriately called "control dampers". The fixed louvers and debris screen help keep rain, snow and miscellaneous debris (including small birds!) from entering the building and the combustion air stream. The control dampers operate in conjunction with the boiler; when a boiler is firing the control dampers are set in the full open position for maximum air intake; when a boiler is idle the control dampers are closed to prevent infiltration of unwanted air into the plant.

The upgrade project will remove the existing louvers, debris screens, con-

trol dampers and actuators (operating motors), and will replace these items with new equipment of significantly higher quality. New louvers and controls dampers are not "off-the-shelf" items; they must be manufactured after an order is placed to insure proper sizing, hence they are considered "long lead" items. The new louvers and dampers arrived at the FWA CHPP on 12/22/2010.

The "EXISTING" photo was taken in the Boiler #7 combustion air intake plenum on 12/28/2010. The icing problem that eventually resulted in bent damper blades, and broken linkages and control arms is clearly evident. The "NEW" photo was also taken on 12/28/2010. Two new control damper sections, with their actuator motors attached, are shown after they were off-loaded, moved into the CHPP, and uncrated. The project will install a total of twenty four (24) of these new control damper sections -- four (4) at each of the boiler combustion air intake plenums.

The general contractor for this project is Holaday-Parks, Inc. Construction is expected to be completed in February 2011.



Existing



New



Contact Hours

Fort Greely

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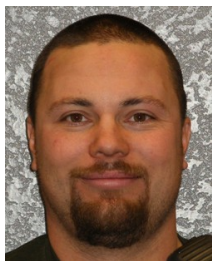
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Certifications

Congratulations to the following people for furthering their education. The following people have received certifications:



Jason McCullough
FWA CHPP
Boiler License III



Sam Fitzpatrick
FWA CHPP
Boiler License I



Michael "Aaron" Adams
FGA
ADEC Level 1 WD

Congratulations to the employees at the Fort Wainwright Central Heat Power Plant, and the Fort Greely employees for being accident free for the month of November.

New Year's Safety Tips

Do Not venture out into the cold on foot: Weather in Alaska can get dangerous: freezing; alcohol and cold weather do not mix. Alcohol inhibits your ability to think rationally and to recognize heat loss. This can lead to hypothermia or worse. Stay indoors, enjoy the festivities and wait for a ride if you have to leave the festivities and have been drinking.

Designate a Driver: If you are going to be driving, don't drink and drive. If you have a friend who does not prefer to drink, make sure they take the wheel.

Don't Drive: If you don't have to get behind the wheel, avoid it. More people will be driving under the influence on this particular night, so avoid a potentially dangerous accident by staying off the road. Otherwise, be alert and drive defensively. Most importantly, wear your seatbelt. Cab companies can be expensive but increase your chances of arriving at your destination safely. If you can, staying the night at a friend's place nearby is a convenient solution.

Be Alert: Be aware of your surroundings and how others are acting.

Stay away from those who are out of control and might cause harm. Taking preventive measures is key to having an unforgettable safe holiday. If someone is really intoxicated, prevent them from trying to drive or leaving with someone they do not know. It's important to keep an eye out for each other.

Don't forget about your pets! They are just as much a part of the family as everyone else. If you are using fireworks, anything with loud noises, or fire, be sure that pets are kept at a distance as well as children. None of these are a good mix.

Stick Together: This way we can look out for our friends and family. Going out to parties and nightclubs means a fast-paced, crazy night; so be sure to travel in groups. Having a safety net around you in this environment, is imperative. Designate a driver.

Monitor your Alcohol Intake: A majority of people will be drinking on New Year's Eve, and there is nothing wrong

*By: Jeremy Phillips,
Safety Coordinator*

with that. Just be sure to pay attention to how much you and others are consuming. Drinking too much alcohol can have lethal affects. Be responsible.



Doyon Utilities wants everyone to enjoy themselves during this festive time of year, so please keep these safety tips in mind. Doyon Utilities wants to see all of you at work on Monday morning. Follow up your New Year's Eve by making some New Year's Resolutions and starting fresh.

Season's Greetings, with best wishes for a happy New Year!