



What's happening

| o December 2009 o |



DOYON UTILITIES' MONTHLY PROGRESS AT-A-GLANCE

Message from the President

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Contact Us

Doyon Utilities, LLC
714 4th Ave., Suite 201
Fairbanks, AK 99701

P - (907) 455-1500
F - (907) 455-6788

duinfo@doyonutilities.com

As we approach year end and look with optimism to next year I would like to reflect on our accomplishments as well as give credit to the many outstanding employees that have made our year a success.

To provide a comprehensive list of projects that have been planned, designed and completed in 2009 would be mind boggling. Each of our Doyon Utilities sites have had an extremely busy year and our personnel have responded with exceptional skill and productivity. Noteworthy has been the electrical upgrades at each post. Old, unreliable and at times obsolete equipment has been replaced with new, modern equipment that reduces the maintenance requirements and allows the workforce to concentrate on maintaining other areas of our operations. New electrical substations at each post ensure system reliability and potential catastrophic equipment failures are now a remote risk.

At Fort Wainwright a significant amount of effort has gone into upgrading the airfield lighting system to bring it into compliance with Federal Aviation Agency requirements as well as augmenting efforts to re-surface the runway surfaces. An additional major effort has been the turbine overhauls at the Central Heat and Power Plant. The turbine overhaul projects were accelerated in order to prevent what could have been a major turbine failure during the heating season.

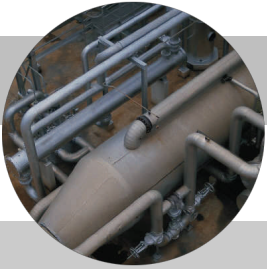
Our utility crews have also contrib-

uted a tremendous effort in responding to the needs of our customers. Major construction projects at each location has required many service activations, especially related to housing renovations and construction, new buildings or building demolitions. Our crews have responded exceptionally well even when faced with constantly changing requirements. I am proud of their efforts.

Doyon Utilities has been at the forefront of protecting the environment. Storm water pollution prevention programs that use best practices to effectively prevent pollutant discharge into streams and reservoirs have eliminated much of the potential for disturbed soils to enter streams and water sources from our properties. Projects have been completed which precludes us from implementing costly EPA permit provisions.

It is evident by our success that the key we hold is in our outstanding workforce. They have been at the forefront of each of our projects and I personally thank them for their efforts, attention to detail and above all their support of our military customers. There is no easy path to success, only hard work and efforts to reach a common goal. Our employees are valued because of their continued contributions and for that we are all very thankful.

I would also be remiss if on behalf of Doyon Utilities I did not express my great appreciation and admiration for our military members who
(continues on page 2)



Site Specific Happenings

Message from the President (continued)

so valiantly serve our country. Their tireless devotion to duty, constant sacrifices and unquestionable sense of honor establishes a standard to which we should all aspire. Our mission of providing outstanding utility support to our military installations is only surpassed by the dedication of those outstanding military members we so humbly serve. You have our heartfelt appreciation and

support for all you do each and every day.

Best Regards,

Dan E. Gavora
President/CEO

/www.

Visit our website at doyonutilities.com

Fort Wainwright

- The cold storage facility at the Depot is complete.



Inside view of the Cold Storage

- The Organizational Parking Project to provide new electrical distribution, HBO's and area parking lights for buildings 3492, 3944, 3496 and 3485 is complete. Commissioning was completed in December.

- The Gertsch Heights electrical upgrade is complete. Crews have energized the two north 4-plexes. The 4-plexes on the south side are ready; we are waiting on the building electrical contractor to complete their work before we can install the meters. The mechanical building is also energized and ready for their electricians. Steam and condensate work is also complete. DU completed the inspections on the contractors work and found it to be complete with a few minor punch list items.
- Feeder 9 Backup Generation (FWA's Donnelly Range @ FGA), the generators and transformer are onsite and set, the switchgear and 480 volt MCC are installed. Currently we plan to have these standby generators available by mid February.
- ADEC posted, for public comment, the draft air permit for the 4 - 3.0 MW Caterpillar standby generators powered by Caterpillar C175-16 diesel-fired engines which will be located at Fort Greely CHPP. The final version of this permit should be complete by mid-January.
- Work on the utilities to the Stryker Wash Facility continued throughout the month. Currently the steam/condensate lines are energized and providing construction heat to the building. A temporary steam meter was also installed. The wastewater

Site Specific Happenings

Fort Wainwright (continued)

line is complete with the exception to the lift station. The General Contractor is completing their work while the electrical contractor continues to install the overhead and underground service to the structure. They hope to have the lift station completed by mid January.

- Utilidor Upgrade Projects - TCI has completed the new service lateral to Building 1054. A change order has been issued for some additional work at the take-off manhole at Gaffney & Marks Rd.
- The demo of utilities at the Bear Paw Housing area is complete. Two street light poles will be replaced as part of the new installation next spring.

CEI is working on the utilidor upgrade at MH E6-6-5 to E-6-6-7. This project is 98% complete with some insulation and electrical left to complete.



- DU completed the service lateral upgrade to build-

ing 1539. This involved the removal of the service tunnel lids and replacing the steam/condensate, water and wastewater lines.

- The feeder 9 (Donnelly Range) job is complete.
- The Airfield Lighting project is complete with the exception of the river crossings for the approach circuits. The new structures have been installed and the circuits cut over.
- Work on feeder 23 has started around the power plant and toward the duct bank along the west side of the airfield. This project will continue throughout the winter.
- City Electric has been working on feeder 24 along with their work in the substation. They have completed the section from the top of the ski hill to the ammo dump. They will continue the work in the north area of post and work towards the housing areas in the spring.
- The switchgear for the generator switchgear replacement project was received. Work has started on engineering and cable runs from the switchgear outside to the new locations near the CHPP.
- A contract was issued to EPS for upgrade of the turbine governors and actuators at the Power Plant; Rocky Mountain Power is providing project expertise. Controllers, panels and HPU have been ordered. This project will be completed in 2010.
- Station Service Upgrade - Initial engineering required to assure station service availability is in progress. Pre engineering consisting of updated one lines is in progress. This project will be engineered in 2010 after the Generator Switchgear is complete.
- Preparation for the 2010 upgrades of the remaining feeders (12, 13, 14 and 15), including field survey of existing facilities, is underway.
- The design work on the Automatic Voltage Regulators has begun and we've found that we'll be able to replace the old rotating exciters with the newer static exciters.



Site Specific Happenings

Fort Greely

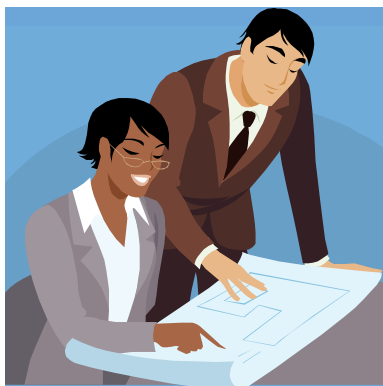
- Potable Water System AAAF – Inspected steel fabrication prior to coatings and exterior insulation. Delivery is expected the week of January 16th following curing of paint and disinfection of interior surfaces. The mechanical piping will be complete; within the next 45 days, circulation, fill, discharge piping and heat exchange work will be done.
- Materials for the upgrade to the plant fuel system have been ordered. We expect TCI to begin on-site work within two weeks; with project completion scheduled for March 31, 2010.
- Initial Non Destructive testing and field studies of the condensate lines have been completed. We have received a report of the corrosion in welded joints and additional testing will be performed.
- Work on feeder 8 has been awarded to Norcon. This project is scheduled to be complete by the end of the winter.
- Continued replacement of the IMHOFF tank lids.

The building for the redundant lift station is complete. The pumps are set and all mechanical work has been installed. The exterior portion of electrical work is 100% complete and the interior electrical is 80% complete. We expect start-up during 2nd week of January 2010. The new 80 kW generator is on site. The lift station is expected to be operational by end of January 2010.



Regulatory Compliance Activities

- DU met with DPW Environmental to discuss the delineation requirements for wetlands and cultural resources prior to initiating a new project. Wetlands delineation can only occur during the summer season, so to prepare a valid cost estimate, the Army will need to provide the wetlands characterization information to DU with the request for proposal.



- DU received a request from ADEC to provide a 2008 Emission Inventory for the power plant operations at Fort Greely and Fort Wainwright. This inventory is requested and submitted once every 3 years. The data summarized the air emissions from each operating unit, and the GPS coordinates of the associated stacks.
- DU has completed the applicability summary for the new EPA rule mandating reporting greenhouse gas (GHG) emission sources at both FWA and FGA. DU is going forward with the second phase of this work, which will be to develop tools at each site to meet the 2010 inventory requirements.

Site Specific Happenings

Fort Richardson

- Feeder 3 & 6 Voltage Conversion: The transfer of building services from the 7200V system to the newly installed 12470V system is complete. EPC is currently working on the underground duct bank which is being installed between the substation and Richardson Drive on Arctic Valley. The duct bank should be completed by the end of December.
- Corix has completed installation of the water and electric meters. Enstar has also completed their gas meter installation contract. We are now verifying that all locations have been installed.
- GV Jones has been contracted to prepare an assessment of the water treatment plant condition and to suggest appropriate upgrades. The expected output of this study is a "road map" of water plant improvements that will solidify its operability for the next 50 years. A mid-January kick off meeting is scheduled with the Army and, hopefully, the Air force to describe the study and solicit any comments they deem appropriate.
- FRA feeder 1, phase 1 Alpenglow is complete.
- Standby Generators Scope of Works and estimates are being developed to allow for purchasing the two new units this winter. Construction is scheduled for summer 2010 with completion scheduled for October 2010. In November ADEC began reviewing the permit application submitted on October 1 for the 3 - 3.0

MW Caterpillar C175-16 Caterpillar standby generators.

- Approximately $\frac{3}{4}$ of the water system SCADA has been transferred to a new "I-Fix" HMI operating system. The remainder should be converted by the end of December.

A contract has been awarded to Montgomery Watson (MW) to replace the master valve at the water treatment plant. This valve failed early in the year and should be replaced by the end of January, 2010.



Safety Matters

Christmas and the holidays are an exciting and busy time but with all the joys of the holiday season come potential safety hazards. Help prevent injuries at Christmas and during the holidays by following these tips.



Be careful with holiday candles - Keep candles away from decorations or other combustible materials. Don't leave children unattended in a room with lit candles. Keep candles, matches and lighters out of the reach of children. Never display lighted candles in windows or near exits.

Deck the halls with safety in mind - When decorating with lights, make sure they are certified by Underwriters Laboratories. If decorating an outside tree, use only those lights labeled for outdoor use. Don't overload electrical outlets, and always unplug all lights before leaving home or going to bed. (continued on page 6)

Safety Matters

Prevent choking - For children, small toys and special foods can be an incident waiting to happen. Ensure toys are appropriate for the age of the child, and won't create a danger for younger children in the household. Don't put out nuts or candies when young children are expected, and don't allow children to run around with food in their hands or mouth. Learn basic first aid, so you know how to help a choking victim.

Keep Christmas trees fresh – If you choose a fresh Christmas tree, you need to secure it in a sturdy stand. Place the tree away from heat sources and exits and check water levels daily. If you purchase an artificial tree, be sure it is labeled as fire-retardant.



Prepare for holiday parties - Decorate only with flame-retardant or noncombustible materials. If guests will be smoking, provide them with large, deep ashtrays and check them frequently. After the party, check under sofa cushions and in trash cans for cigarette butts that may be smoldering.

Designate a driver - When attending a party, designate a non-drinking driver. If you are hosting a holiday gathering, be sure there are non-alcoholic beverages for guests who are driving and arrange for alternate transportation for guests who drink.



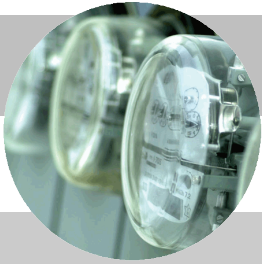
Inspect fireplaces and wood stoves - Have your chimney connections and flues inspected by a professional and cleaned if necessary. Use a sturdy screen when burning fires. Burn only wood—never burn paper or pine boughs. If purchasing a factory-built fireplace or wood stove, select one listed by a testing laboratory, and have it installed according to local codes. If you plan to hang stockings on your fireplace, do not use the fireplace for fires.

Buckle up - During the holiday season, more people are on streets and highways. Ensure that all passengers are wearing safety belts. Seat children in the back seat of the car and in approved safety seats if younger than eight years old or weighs less than 80 pounds.

Turkey Donation

“**Turkeys for the troops**” is a catchy phrase but in this instance it was a reality. Doyon Utilities employees combined with affiliated company Utility Services of Alaska, were advised of a program at Ft. Wainwright that donates turkeys and hams to soldier families faced with tough times over the holidays. Just the mere mention of the program resulted in employees of the companies donating a total of 21 turkeys to the Ft. Wainwright Chaplain's office for this very worthwhile program. Pictured are Diane Wallis, Administrative Assistant and Shayne Coiley the Site Manager as they deliver turkeys to the Post Chapel for distribution. It is important to note that this donation was directly from employees to those they serve and Shayne indicated he would like to expand the program next year to allow more employees an opportunity to participate. Great work employees, you have helped at least 21 families have a brighter Christmas this year.





Miscellaneous Happenings

Congratulations!!



Brian Bright of our FGA CHPP obtained his class IV boiler license. Congratulations on a job well done.



December Birthdays

**Melissa Smith
Michael Dugger
Charles Gee
Scott Reed
Charles Smith
Jennifer Cook
Scott Wharton
Harmon Roehl
Twila Stenvik
McKenzie Brooks
Mark Ziesmer**



Have a safe and Happy New Year