



MONTHLY PROGRESS REPORT

Project: **Wallingford Energy Center Expansion Project**
Client: **Wallingford Energy II, LLC**
Location: **Wallingford, Connecticut**
Job Number: **1015-5113**
Reporting Period: **March 1st, 2017 through March 31st, 2017**

Submitted:
April 7th, 2017
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EXECUTIVE SUMMARY

ProEnergy is pleased to report three (3) Major Milestones were completed this month. The scheduled dates below are based on the October 26th Baseline Schedule. The three (3) completed milestones are:

- #6 SCR Foundation Complete – This foundation was poured on March 3rd. This was 28 days ahead of the March 31st scheduled date.
- #7 SCR Foundation Complete – This foundation was poured on March 9th. This was 36 days ahead of the March 25th scheduled date.
- Units Delivery to Project Site. – This milestone was scheduled to complete in May 2017. It was agreed by all parties to leave the units in Sedalia until the project is ready for installation.

The Substantial Completion of the project has improved by one (1) week to December 8, 2017. This improvement was due to completing the civil work ahead of schedule, modifying the work paths and the decreased delivery times of materials.

The focus for PES this month was to:

- Set the major equipment
- Pour the Unit #6 Auxiliary skid foundations
- Complete the engineering construction drawings
- Order all the underground piping for the May 22nd Outage
- Issue purchase orders to the contractors installing the GSU and CTG Sound Wall steel and panels.

The new road base and site preparation for the heavy trailers was completed. Prepping the foundations, setting shims, removing grout pockets and installing grout dams was all completed for both #6 and #7 CTGs. The 300 ton crane was set and PES installation TA's were on site.

PES started delivery of the major equipment. The Unit #6 Generator base was delivered on March 29th along with the Roof Skids for both Unit #6 and #7. On March 30th the #7 Generator was delivered.

Bad weather conditions prevented the delivery and setting of the #7 Generator Base, #7 Turbine Base and the #7 Generator scheduled for March 30th and 31st. Completion of setting the major equipment has slipped to April 12th because of the continued bad weather. The Connecticut transportation regulations are also hampering the delivery of the equipment. These heavy loads can only be transported on Tuesday, Wednesday and Thursday. In addition the generator can only be transported at night after 8pm because of its weight.

SEGA has completed their engineering deliverables and are working on completing various outstanding RFI items. There has been no delay on ordering material for the

May 22nd Outage. All the tie-in valves are on site and piping is on order. All the underground piping is on order including the piping needed for the May 22nd Outage. The Piping Superintendent is on site and plans are developed for installing the underground piping to the various auxiliary skids to the #6 CTG. The foundations for the Auxiliary, Sprint, Water Injection and CO₂ Skids were poured.

A PO has been issued to HUB to drill the CTG Sound Wall piers. This work is scheduled for mid-April and completing by the second week of May.

A PO was issued to O&G to erect the sound wall and GSU steel and panels. The CTG Sound Wall will start June 5th and the walls completed by July 21st. To facilitate the installation of the cable buss the South Sound Wall will be built first. The steel columns for this wall will be complete by June 10th. Once these are done the bus duct support steel can be installed.

O&G completed installation of the GSU containment drain system. The foundation was backfilled after the grounding grid and plant lighting conduits were installed.

Weekly review meetings are held each Thursday morning to discuss project status and issues.

ProEnergy is actively looking to improve the schedule dates for each major milestone and most importantly the last one.

1. MAJOR ACTIVITIES COMPLETED

1.1. ENGINEERING

- 1.1.1. CTG Access Platform – Issued for Construction.**
- 1.1.2. CTG Sound Wall Foundations – Issued for Review.**
- 1.1.3. Underground Piping Plans – Issued for Construction.**
- 1.1.4. Cables List – Issued for Construction.**
- 1.1.5. Foundation Layout – Issued for Construction.**
- 1.1.6. GSU Sound Wall Foundation – Issued for Review.**
- 1.1.7. Pipe Specifications – Issued for Use.**
- 1.1.8. GSU Sound Wall Foundations – Issued for Construction.**
- 1.1.9. 125VDC System One-Line Diagram and Panelboard Schedule – Issued for Construction**
- 1.1.10. 208/120VAC Essential Power System One-Line Diagram and Panelboard**

- 1.1.11. Schedule – Issued for Construction.
- 1.1.12. Overall One-Line Diagram – Issued for Construction.
- 1.1.13. 480V Motor Control Center One-Line Diagrams – Issued for Construction.
- 1.1.14. Resistance Ground Systems Schematic and Wiring Diagram – Issued for Construction
- 1.1.15. Piping Isometrics – Issued for Construction.
- 1.1.16. 3D Model – Issued for Information.
- 1.1.17. CEMS Enclosure Foundation – Issued for Construction.
- 1.1.18. Fuel Gas Filter Foundation – Issued for Construction.
- 1.1.19. Auxiliary Switchgear Foundation – Issued for Construction.
- 1.1.20. Auxiliary Transformers Foundation – Issued for Construction.
- 1.1.21. Cable Tray Supports Foundations – Issued for Construction.
- 1.1.22. Cable Tray Supports Steel – Issued for Construction.
- 1.1.23. PDC Enclosure Foundation – Issued for Construction.
- 1.1.24. Underground Raceway Plan and Stub-Up Details – Issued for Construction.
- 1.1.25. Cable Bus Raceway Plan and Sections – Issued for Construction.
- 1.1.26. GSU Sound Wall Sections and Details – Issued for Construction.
- 1.1.27. 15-kV Switchgear and GSU Information – Issued for Reference.
- 1.1.28. Generator Breaker Foundation – Issued for Construction.
- 1.1.29. Bus and Cable Tray Support Steel – Issued for Construction.
- 1.1.30. Underground BOM – Re-Issued for Construction.
- 1.1.31. General Site Arrangement – Re-Issued for Construction.
- 1.1.32. Cable Schedule – Issued for Construction.
- 1.1.33. Lighting and Receptacle Plan and Details – Issued for Review.
- 1.1.34. Evaporative Cooler System P&ID – Issued for Construction.
- 1.1.35. Potable Water System P&ID – Issued for Construction.
- 1.1.36. P&IDs – Re-Issued for Construction.

1.2. PROCUREMENT

- 1.2.1. Rebar for CTG's Fin Fan lube oil (PES137184) – Delivered on site.

1.2.2. Finished abandoning two monitoring wells (PES 135142) – Completed.

1.3. FABRICATION / SHOP WORK

SB 211 Service Bulletin has been implemented on both Units and is complete.

SB 187 Service Bulletins have been implemented on both units and is complete.

SB 205 (vent system modification) the kits have been received and the final balance of the kit will be installed during installation of the package.

1.4. CONSTRUCTION

1.4.1. #7 Stack & SCR Foundations.

- Poured flow fill for the Stack & SCR foundations.
- Installed pockets for the foundation grounding.
- Installed form work, rebar, anchor bolts and set the expansion boards.
- Poured the concrete for Stack & SCR foundations. Setup the heaters & concrete blankets for the pre heat the night before.
- Stripped all the form work for Stack & SCR foundations.
- Backfilled the Stack & SCR foundations.

1.4.2. #6 Stack & SCR Foundations.

- Poured the concrete for Stack & SCR foundation.
- Covered with concrete blankets to maintain temperature all around foundation and put two forced induction heaters to maintain the temperature at desired specs.
- Stripped all the form work for Stack & SCR foundations.
- Backfilled the Stack & SCR foundations.

1.4.3. GSU Foundation.

- The GSU civil subcontractor, O&G installed the foundation containment drain and valve cover box. The GSU footing elevations were verified.
- Installed pockets for the foundation grounding.
- The electrical subcontractor completed the ground connection to the GSU foundation rebar and the grounding grid.

- The electrical subcontractor completed installing the underground conduit for the lights on the roads around the GSU foundation.
- Backfilled the ground grid and lighting conduits at the GSU foundation area.

1.4.4. Auxiliary Skids Unit # 6

- Poured the flowable fill for the Auxiliary skid, Sprint Skid, Water Injection Skid and CO2 Skid.
- Installed the form work & rebar for the Auxiliary, Sprint, CO2 and Water Injection skids.
- Poured the concrete for Auxiliary skid, Sprint Skid, Water Injection Skid and CO2 Skid.
- Stripped out form work for Auxiliary skid, Sprint Skid, Water Injection Skid and CO2 Skid.

1.4.5. New Road - Laid out, excavated and set crushed 1 inch stone base 1 foot thick for the new road. This was done for bringing in the Unit #6 and #7 heavy loads.

1.4.6. Preparation for Setting the # 6 and # 7 CTG

- Shot the elevations at various locations in the equipment delivery lift area. The area was leveled and 6 inches of crushed 1 inch stone was laid out to support the heavy load deliveries.
- The LM6000 Generator and Turbine Lifting Trunnions were delivered to site.
- Set the shims on CTG # 6 & 7 foundations.
- Removed grout pockets and cut off all thread from CTG's and SCR's.
- Marked centerlines on CTG # 6 & 7 for generator and turbine.
- Verified measurement on CTG # 6 & 7 pre-set on generator and turbine skid.

1.4.7. Old Monitoring Well Demolitions - Subcontractor Clarence Welty Associates completed abandoning two monitoring wells. Well Number #01 was between CTG #6 & #7. Well number #2 was on the north east side of #7 Stack & SCR foundation. The wells were grounded and plugged with bentonite.

1.4.8. CTG Sound Walls - Received 18 rebar cages for sound wall piers and set them in the lay down yard.

1.4.9. #6 CTG Equipment –

- Received/unloaded turbine fan vent silencers A & B and the Filter House Platform and set them in the lay down yard.
- Roof Skid.
- Generator Base.

1.4.10. #7 CTG Equipment –

- Received/unloaded the turbine vent fan vent silencers A & B and the Filter House Platform and set them in the lay down yard. Received and unload Mechanical to set main equipment tool trailer.
- Roof Skid.
- Generator.

1.4.11. Blizzard Snow Removal – There was a few days of snow removal after the blizzard on 3/14/2017. The construction site, laydown yard and office trailers area were cleared.**2. PLANNED ACTIVITIES FOR NEXT PERIOD****2.1. ENGINEERING**

- 2.1.1. Complete BOP engineering design.
- 2.1.2. CEMS umbilical routing
- 2.1.3. BOP instrument wiring/loop diagrams
- 2.1.4. Detailed sump design
- 2.1.5. Finalize project lists
- 2.1.6. Eyewash stations
- 2.1.7. Issue heat trace specification.

2.2. PROCUREMENT LOOK AHEAD

- 2.2.1. Continue with Procurement as outlined in the schedule.

2.3. FABRICATION / SHOP WORK

- 2.3.1. SB 187: TBV ELIMINATION: Complete.

2.4. CONSTRUCTION

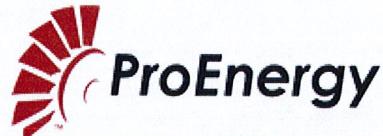
- 2.4.1. Complete setting the Turbine Base, Generator Base, Generator and Roof skids for CTG # 6 & 7.

- 2.4.2.** Install form work, rebar and pour concrete for Fin fan lube oil for CTG # 6.
- 2.4.3.** Install formwork, rebar and pour concrete for Fin fan lube oil, Sprint, Water injection, Auxiliary skids for CTG # 7.
- 2.4.4.** Install formwork, rebar and pour concrete for Generator Breaker and Switchgear Foundation
- 2.4.5.** Start excavation of the duct bank to the Auxiliary Transformers and partially install the duct bank.
- 2.4.6.** Install formwork, rebar and pour concrete footings for the bus duct along the south side of the existing sound wall.
- 2.4.7.** Install formwork, rebar and pour concrete footings for the above ground natural gas line.
- 2.4.8.** Install the underground natural gas line across the road between the #1 and #2 Units.
- 2.4.9.** Start drilling the CTG Sound Wall Piers
- 2.4.10.** Install all underground piping to the #6 CTG auxiliary skids.
- 2.4.11.** Install the new Lift Station and tie-in the existing plant drains. Install temporary power for the lift station pumps. Install a temporary waste water tank by the lift station.
- 2.4.12.** Install the dry fire line by the GSU area.

3. PROCUREMENT STATUS

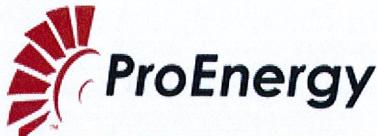
The following purchase orders have been issued.

- 3.1.** The following POs have been issued.
- 3.2.** Fuel Gas/Demin Water/Drain Water Valves (PES1362800 Expected Delivery 04/04/2017)
- 3.3.** Rebar for Duct Banks & Cable Bus Foundations (PES137771 & 138149) Expected Delivery 04/04/17
- 3.4.** Underground Piping (PES137899) Expected Delivery 04/06/2017
- 3.5.** Aux Transformer Switch (PES135836) – RTS 04/07/2017
- 3.6.** Aux Transformer Switch (PES135836) – Expected Delivery 04/7/2017.
- 3.7.** H-Frame (PES133549) – RTS 04/16/2017 shipping from PA.
- 3.8.** Fin Fan (PES132451) Expected Delivery - 4/21/2017.



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- 3.9.** 4000AMP Switchgear Lineup (PES 135024) – Expected Delivery 04/21/17.
- 3.10.** SCR (PES131003) Ready to Ship – 6/1/2017.
- 3.11.** Transformer 25000KVA 13.8tp 480V (PES135054) – Ready to Ship 6/9/2017.
- 3.12.** Filtration System (PES 134750) – Ready to Ship- 06/21/2017.
- 3.13.** CEM System in single shelter (NOx, O2, CO, NH3) – (PES134525) – RTS 06/30/2017 Shipping from CT

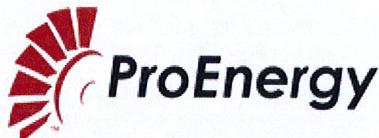


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4. DELIVERY STATUS

	IFB	PO	RTS	Shipping	Critical @ Site Date	Notes
GSU 1 & Bushings		17-Oct	7-Jun		21-Jun	
480V SWGR 1	14-Dec	18-Jan	21-Apr		14-Aug	3-4 wks dwgs, 8-10 wks RTS
480V SWGR 2	14-Dec	18-Jan	21-Apr		18-Aug	3-4 wks dwgs, 8-10 wks RTS
480V Aux XFMR 1	14-Dec	19-Jan	9-Jun		28-Jun	4 wks dwgs, 8-10 weeks, eng apvd 1/19
480V Aux XFMR 2	14-Dec	19-Jan	9-Jun		20-Jul	4 wks dwgs, 8-10 weeks, eng apvd 1/19
13.8kV SWGR / GCB	5-Dec		29-Apr		19-Jul	Modify PT's & Hardware ~ 4 weeks
Dead End Structure w/ Disconnect	18-Aug	22-Nov	16-Apr		15-May	received approval dwgs from vendor 12/23, modifications made 2/24
PDC Enclosure		Packaging	21-Apr		7-Jul	24V Batteries to Ship - 4/13, PC / HMI Buildout
Gen Protection Panels x 2	26-Jan				9-Aug	material on order to build panel out
GSU Protection Panel x 1	26-Jan				27-Sep	~10 weeks
Cable Bus	14-Dec				2-Aug	finalizing terms and proposal from vendor
CTG 1 Package		Packaging	27-Jun	at site 4/4	22-May	
CTG 2 Package		Packaging	27-Jun	at site 4/5	25-May	
CT 1		Aero	30-Dec		8-Aug	
CT 2		Aero	30-Dec		8-Aug	
Gen 1		Packaging	24-Feb	at site 4/6	29-May	
Gen 2		Packaging	11-Feb	at site 3/30	1-Jun	
LO Fin Fan 1			12-Oct	27-Mar	4-Aug	3/27 from 1/19 email
LO Fin Fan 2			12-Oct	27-Mar	4-Aug	3/27 from 1/19 email
WI LP Skid 1		Packaging	30-Dec		21-Aug	
WI LP Skid 2		Packaging	30-Dec		21-Aug	
Aux Skid 1		Packaging	1-Feb		21-Aug	
Aux Skid 2		Packaging	1-Feb		21-Aug	
SPRINT Skid 1		Packaging	3-Feb		21-Aug	
SPRINT Skid 2		Packaging	3-Feb		21-Aug	
Final FG Coalescer 1	12-Dec	10-Jan	21-Jun		5-Sep	
Final FG Coalescer 2	12-Dec	10-Jan	21-Jun		5-Sep	
CTG 1 SCR / Stack			29-Aug	1-Jun	2-Aug	9/27 Eng Appvd
CTG 2 SCR / Stack			29-Aug	1-Jun	2-Aug	9/27 Eng Appvd
CEMS	7-Dec	24-Jan	30-Jun	1 day	15-Sep	Client Apvl 1/23, 12-14 wks w/ install (1 week install)
Filter House 1		Packaging	19-May		12-Jul	
Filter House 2		Packaging	19-May		12-Jul	
Fire Protection Cabinet 1		Packaging	2-Dec		27-Sep	
Fire Protection Cabinet 2		Packaging	2-Dec		27-Sep	
CTG 1 Controls			7-Jul		25-Jul	Need Dongles to Rebuild Drives, 9-10 wks
CTG 1 Rebuild Server / HMI			7-Jul		21-Jul	3-4 wks after dongles received
CTG 2 Controls			7-Jul		25-Jul	Need Dongles to Rebuild Drives, 9-10 wks
CTG 2 Rebuild Server / HMI			7-Jul		21-Jul	3-4 wks after dongles received
BOP Controls			9-Jun		27-Jul	Meeting with client to review interface
Waste Water Tank / Assembly	4-Jan		30-Jun		24-Oct	
Manhole / Lift Station	4-Jan		5-May		19-Sep	
CTG Sound Wall	6-Feb		19-Jun		29-Jun	Finalizing quote with Vendor
GSU Sound Wall	6-Feb		26-Jun		9-Aug	Finalizing quote with Vendor



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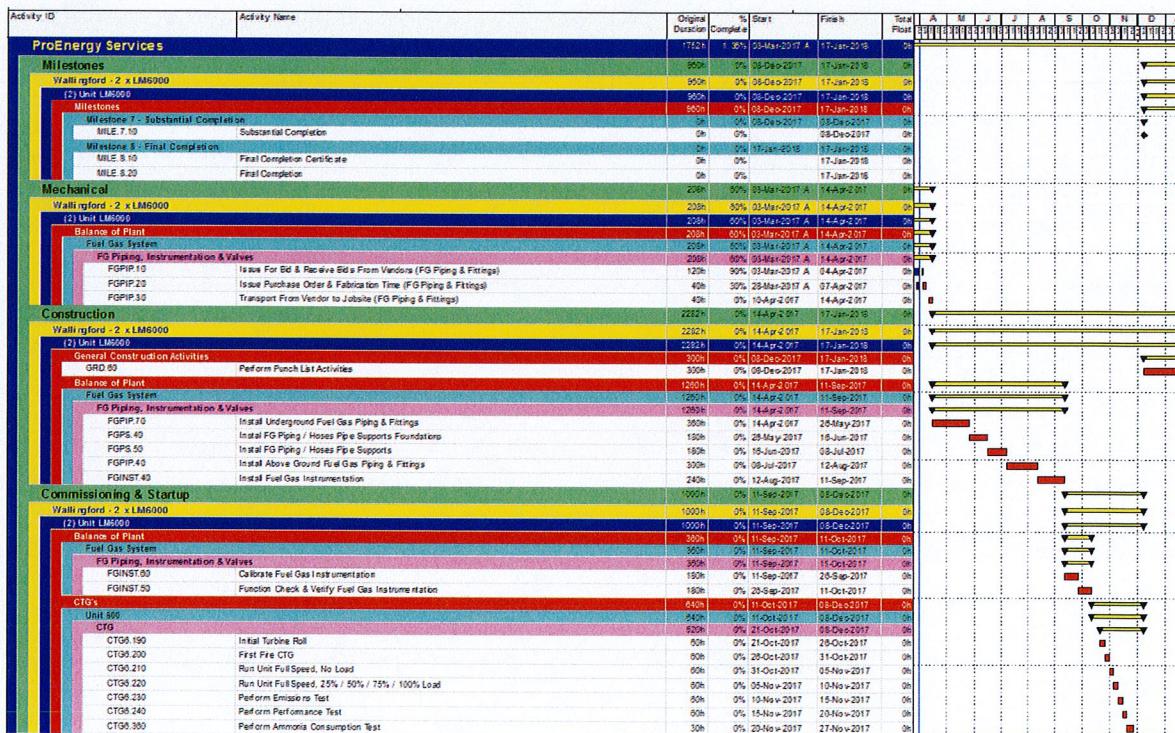
5. SCHEDULE

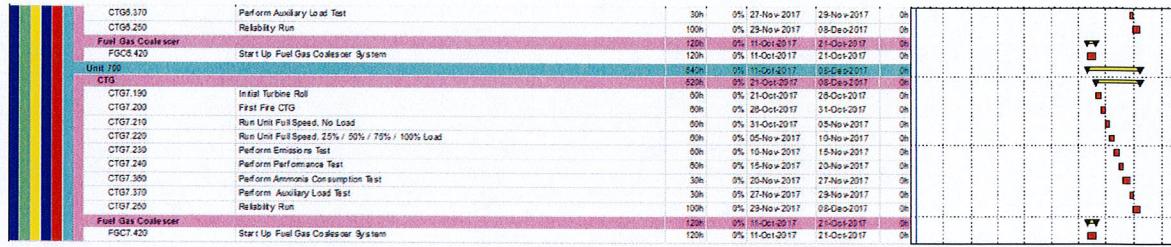
5.1. ANALYSIS

5.1.1. Critical Path Schedule Analysis.

The current critical path flows through the installation of the fuel gas system. This has been floating in and out of the primary critical path since the beginning of the project. ProEnergy has been able to bring in the lead times of material and installation time for the underground piping and will work to reduce times for the above ground piping as well. The balance of underground piping material will be arriving to site the first week of April and the above ground piping is out for quote currently. Also note that engineering is not included in the primary critical path.

Please note, that currently the Substantial Completion of the project has improved by 1 week due to improved lead times on material such as the sound walls, cable bus steel, controls systems and piping, and modified work paths.





Following closely behind the fuel gas system installation for critical path are:

- BOP & CTG Controls Systems.
- Generator Protection Relay – Materials are on order.
- CTG/GSU Sound Walls.
- Cable Bus.

All of the above mentioned items are being looked into as far as methods for speedy installation as well as verifying durations once design has been released. The CTG/BOP controls is being reviewed and acted upon currently to prevent any more slippage.

5.1.2. MILESTONES COMPLETED:

- Electrical 1-Lines IFC Drawings Released 3/08/2017.
- Foundation IFC Drawings Released 3/17/2017.
- Structural IFC Drawings Released 3/24/2017.
- SCR6 Foundation Complete 3/03/2017.
- SCR7 Foundation Complete 3/09/2017.
- CTG's Ready to Ship 3/22/2017.
- Electrical Engineering IFR Drawings Released 3/30/17.

5.1.3. MILESTONE SLIPPAGE:

5.1.3.1. Mechanical / Process IFC Drawings Released.

- The remaining deliverables for this milestone are Pipe Support Details. The locations and types have been called out on the above ground piping plans.
- Slipped by 10 calendar days and remaining activities tied to this milestone have 2.5 week float.

5.1.3.2. Electrical Engineering IFC Drawings.

- Site lighting and receptacle drawings, control schematics and generator three-line diagram cause of slippage. IFR drawings in client's possession and under review per contract requirements.
- Slipped 10 calendar days. One of the remaining activities has about a 1.5 week float still and the material is already being quoted that is critically tied to the generator 3-line diagrams. The remaining activities have 10+ weeks of float.

5.1.3.3. I&C Engineering IFR Drawings Released.

- Slippage directly caused by IFR slippage.
- Slipped 17 calendar days. The activities tied to this milestone have about 2 weeks of float. The customer has been made aware of information needed to improve float.

5.1.3.4. I&C Engineering IFC Drawings Released.

- Completion of BOP & CTG controls drawings have pushed out while working through integration plan with client.
- Slipped 17 calendar days. The activities tied to this milestone have about 2 weeks of float. The customer has been made aware of information needed to improve float.

5.1.3.5. CTG6/7 Major Rough Set on Foundation.

- This has slipped by 9 calendar days from previous month's schedule update due to issues with trucking company sending wrong trailer and truck break down.
- Slipped 9 calendar days from previous schedule. The activities tied to this milestone have roughly 10 weeks of float.

5.1.3.6. CTG6/7 Assembly of Major Equipment.

- This has been caused by deciding to hold back the filter house assemblies at PES to install CDP and evap cooling accessories prior to shipping. Will not cause slippage in overall schedule as packages can be dressed out without filter houses installed.
- Slipped 10 calendar days. The activities tied to this milestone have over 7 weeks of float.

5.1.3.7 CTG Units Arrive at Site.

- Slipped due to transit issues with trucking company.
Will not change completion date for project.
- Slipped 13 calendar days. . The activities tied to this milestone have over 7 weeks of float.

5.2. NOTABLE CHANGES:

- 5.2.1.** Added activities CTGSW.130 'Issue Purchase Order & Fabrication Time (CTG Sound Wall Steel)' and CTGSW.120 'Install CTG Sound Wall Steel' to better represent the installation process and plan to help mitigate the cable bus from pushing out the schedule.
- 5.2.2.** Changed activity name CTGSW.50 from 'Install CTG Sound Wall' to 'Install CTG Sound Wall Panels'.
- 5.2.3.** Changed activity name CTGSW.20 from 'Issue Purchase Order & Fabrication Time (CTG Sound Wall)' to 'Issue Purchase Order & Fabrication Time (CTG Sound Wall Panels)'.
- 5.2.4.** Removed successors BUSSTL.60 'Install Cable Bus Supports (GCB to GSU3)' and BUSSTL.70 'Install Cable Bus Supports (GCB to GSU4 Phase I)' from CTGSW.50 'Install CTG Sound Wall Panels' and added them to CTGSW.120 'Install CTG Sound Wall Steel'.
- 5.2.5.** Added successors BUS1B.40 'Install Cable Bus and BUS2B 'Install Cable Bus Phase I' to CTGSW.50 'Install CTG Sound Wall Panels'.
- 5.2.6.** Adjusted piping lead time from 10 days to 5 days. Confirmed with vendors materials are in stock.
- 5.2.7.** Added predecessors ENG.270 & ENG.280 Pipe Support Drawings Issued IFC to AM6.160, AUX6.220, LPI6.160 & SPRT6.160 'Interconnecting Piping / Hoses Pipe Supports Foundations'.
- 5.2.8.** De-progressed ENG.2810, ENG.2800, ENG.2830 & ENG.28020 Control Schematics & Wiring Diagrams to allow for customer review prior to IFC.
- 5.2.9.** Reduced duration of ENG.1190 & ENG.1180 from 2 weeks to 1 week for IFC drawing release of Control Schematics & Wiring Diagrams after customer review is complete.
- 5.2.10.** Reduced duration of MHLS.30 'Transport from Vendor to Jobsite (Manhole / Lift station)" to 1 day from 1 week as vendor is in Wallingford.

- 5.2.11.** Reduced CTG /GSU Sound Wall procurement durations after receiving quote on lead times.
 - CTGSW.20 'Issue Purchase Order & Fabrication Time (CTG Sound Wall Panels)' reduced from 16 weeks to 11 weeks.
 - GSUSW.20 'Issue Purchase Order & Fabrication Time (GSU Sound Wall)' reduced from 16 weeks to 12 weeks.
 - CTGSW.130 'Issue Purchase Order & Fabrication Time (CTG Sound Wall Steel)' reduced from 12 weeks to 10 weeks.
- 5.2.12.** Reduced duration of BUSSTL.20 'Issue Purchase Order & Fabrication Time (Cable Bus Supports)' from 7.5 weeks to 6 weeks after verifying with vendor lead time for delivery of material to site.
- 5.2.13.** Increased duration of CEMS6.280 & CEMS7.30 'Issue Purchase Order & Fabrication Time (CEMS Equipment)' due to increased lead time on shelter for CEMS equipment.
- 5.2.14.** Increased duration of CEMS6.310 & CEMS7.70 'Issue Purchase Order & Fabrication Time (Umbilical Brackets)' due to increased lead time on shelter for CEMS equipment.
- 5.2.15.** Increased duration of FGC6.120 "Issue Purchase Order & Fabrication Time (FG Coalescer)" due to increased lead time.
- 5.2.16.** Increased duration of FGC7.120 "Issue Purchase Order & Fabrication Time (FG Coalescer)" due to increased lead time.
- 5.2.17.** Reduced duration on the following activities from 8/9 weeks to 4 weeks for 'Issue Purchase Order & Fabrication Time (Pipe Supports)' after discussing with vendors on lead times:
FGPS.20, DWPS.40, CAPS.40, AMPS.40, AM6.110, AUX6.280, LO6.110, LPWI6.110, SPRT6.110, EVAP6.90, FGC6.110, AM7.170, AUX7.170, LO7.170, LPWI7.170, SPRT7.170, EVAP7.170, FGC7.110.
- 5.2.18.** Reduced duration of DB.20 'Issue Purchase Order & Fabrication Time (Duct Bank Conduit & Fittings)' from 3 weeks to 1 week due to vendor lead time.
- 5.2.19.** Adjusted relationship between PDC.110 'Install PDC' and BOP.CNTL.40 'Install BOP Controls System' from FS to SS as controls can be installed after PDC is set on foundation and PDC does not have to be fully wired and dressed out.
- 5.2.20.** Adjust logic between PDC.150 'Install Cable Tray' and PDC.110 'Install PDC' so that the cable tray install happens after the PDC

is set and not before because the PDC will not be elevated anymore and the tray will be side penetration instead of bottom feed.

- 5.2.21.** Adjust logic between CBL.BOP.410 'Install Cable, Conduit & Tray to PDC' and PDC.110 'Install PDC' so that the cable tray install happens after the PDC is set and not before because the PDC will not be elevated anymore and the tray will be side penetration instead of bottom feed.
- 5.2.22.** Added SS relationship between CBL.BOP.410 'Install Cable, Conduit & Tray to PDC' and PDC.150 'Install Cable Tray' due to adjustment in installation process for cable/conduit & tray to PDC.
- 5.2.23.** Removed relationship between FH6.40 'Install Filterhouse' and GENCL6.40 'Dress out Generator Enclosure' after reviewing installation the filterhouse will only keep the Turbine from being installed permanently and performing final package commissioning steps.
- 5.2.24.** Removed relationship between FH7.40 'Install Filterhouse' and GENCL7.40 'Dress out Generator Enclosure' after reviewing installation the filterhouse will only keep the Turbine from being installed permanently and performing final package commissioning steps.
- 5.2.25.** Removed relationship between FH7.40 'Install Filterhouse' and CTG6.260 'Excavate for Foundation (Turbine Removal Pad)' due to after review of crane placement, the pad can be installed prior to filterhouse installation.
- 5.2.26.** Added the installation of the unit 6 generator, generator enclosure, roof skid and turbine enclosure (GEN6.30, GENCL6.30, RFS6.30, TENCL6.30) as predecessors to CTG6.260 'Excavate for Foundation (Turbine Removal Pad)'.
- 5.2.27.** Added the installation of the unit 7 generator, generator enclosure, roof skid and turbine enclosure (GEN7.30, GENCL7.30, RFS7.30, TENCL7.30) as predecessors to CTG7.260 'Excavate for Foundation (Turbine Removal Pad)'.
- 5.2.28.** Adjusted the following underground piping installation activity durations as they will be fully installed before the 5/22 outage except for tie-ins to the existing plant systems: FGPIP.70, DWPIP.70, CAPIP.70, AMPIP.70.
- 5.2.29.** Removed relationship between TENCL6.40 'Dress out Turbine Enclosure' and CTG6CNTL.40 'Install CTG Controls System' as

the main controls system is in the PDC and not in the CTG package. The package MTTB will remain unchanged.

- 5.2.30.** Added relationship between CTG6CNTL.40 'Install CTG Controls System' and PDC.110 'Install PDC' as the CTG Controls will be in the PDC.
- 5.2.31.** Removed relationship between TENCL7.40 'Dress out Turbine Enclosure' and CTG7CNTL.40 'Install CTG Controls System' as the main controls system is in the PDC and not in the CTG package. The package MTTB will remain unchanged.
- 5.2.32.** Added relationship between CTG7CNTL.40 'Install CTG Controls System' and PDC.110 'Install PDC' as the CTG Controls will be in the PDC.
- 5.2.33.** Reduced duration of ENG.1250 'BOP Controls Drawings (IFC)' from 2 weeks to 1 week as controls designers verified only 1 week will be necessary.
- 5.2.34.** Removed started status and progress on ENG.2900 'CTG Controls Drawings (Customer Review)' as drawings have not been issued to customer.
- 5.2.35.** Removed finished status and reduced progress on ENG.2910 'CTG Controls Drawings (IFR)' as IFR drawings will not be finalized until receipt of software from customer.
- 5.2.36.** Reduced duration of ENG.1260 'CTG Controls Drawings (IFC)' from 2 weeks to 1 week as controls designers verified only 1 week will be necessary.
- 5.2.37.** Reduced duration of CTG6CNTL.20 & CTG7CNTL.20 'Issue Purchase Order & Fabrication Time (CTG Controls)' from 10 weeks to 5 weeks as fabricator verified build out and testing time.

5.3. OVERVIEW

- 5.3.1.** Schedule attached.

6. QUALITY

- 6.1.** Subcontractor O&G 5 day break was sufficient strength (3130 psi) to strip forms.
- 6.2.** 4-Day breaks for Stack & SCR foundation # 7, broke at SET # 1- 5730 PSI, Set # 2- 3860 PSI, Set # 3- 4390 PSI with an average of 4660 PSI for 4 day.

- 6.3. Received Concrete and Flow fill strength results for GSU foundation (28-day results), required 500 psi actual- 670 psi Averaged, Concrete for foundation (28-day) required 4500 psi Actual- 5140 average, Concrete for Containment walls and equipment pad (28-day) Required-4500 psi Actual- 4800 psi (Averaged).
- 6.4. Material Test Reports on all structural items pertaining to the CTG # 6 & 7, Stack & SCR foundations # 6 & 7, GSU, Auxiliary skid, Sprint skid, CO2 skid and Water injection skid as required by code.
- 6.5. Received the 28-day strength results from the piers and H-piles at the GSU, the following pour cards were closed out and found to be in compliance.
- 6.6. 4-Day breaks for SCR/Stack # 7 placed on Thursday 03-09-2017, under controlled heat and the test strength cylinders stored on top the foundation under the blankets, broke at Set # 1- 5730 psi, Set #2- 3860 psi, Set # 3- 4390 psi with an average of 4660 psi for 4 day.

7. SAFETY

- 7.1. Daily safety audits performed on PES Crafts and subcontractors working on job site. No major issues to report.
- 7.2. Provide safety orientations to new personnel and new contractors coming to the job site as per PES EHS Manual.

8. ISSUES/ACTION –

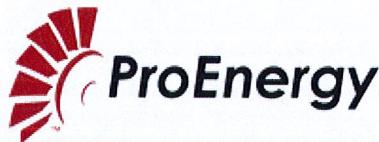
- 8.1. PES needs to secure Mark VI, 9070 & HMI software & acquire IP address for the two new units from customer.

9. CHANGE MANAGEMENT

- 9.1. Working on a change order associated with the new design requirements for the CTG sound wall. The original design was based on the existing wall which is not up to code. The redesigned sound walls will require larger drilled piers and anchor bolts. Once the new sound wall design is issued the cost data will be collected. The change order will be issued after comparing the costs of the new design with the old design.

10. DRAWING LIST

- 10.1. Schedule shows key drawing dates.



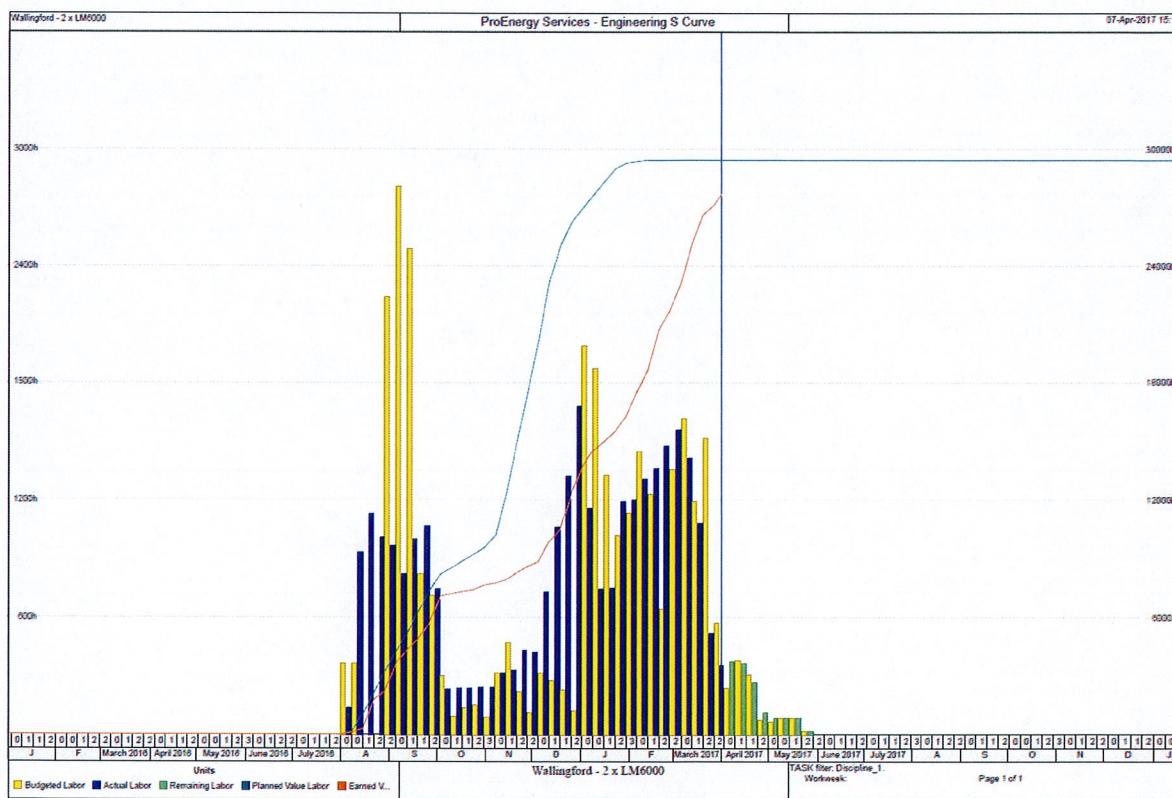
Monthly Progress Report

Wallingford Energy Center Expansion Project

11. ANALYTICAL

11.1. See attached progress curves.

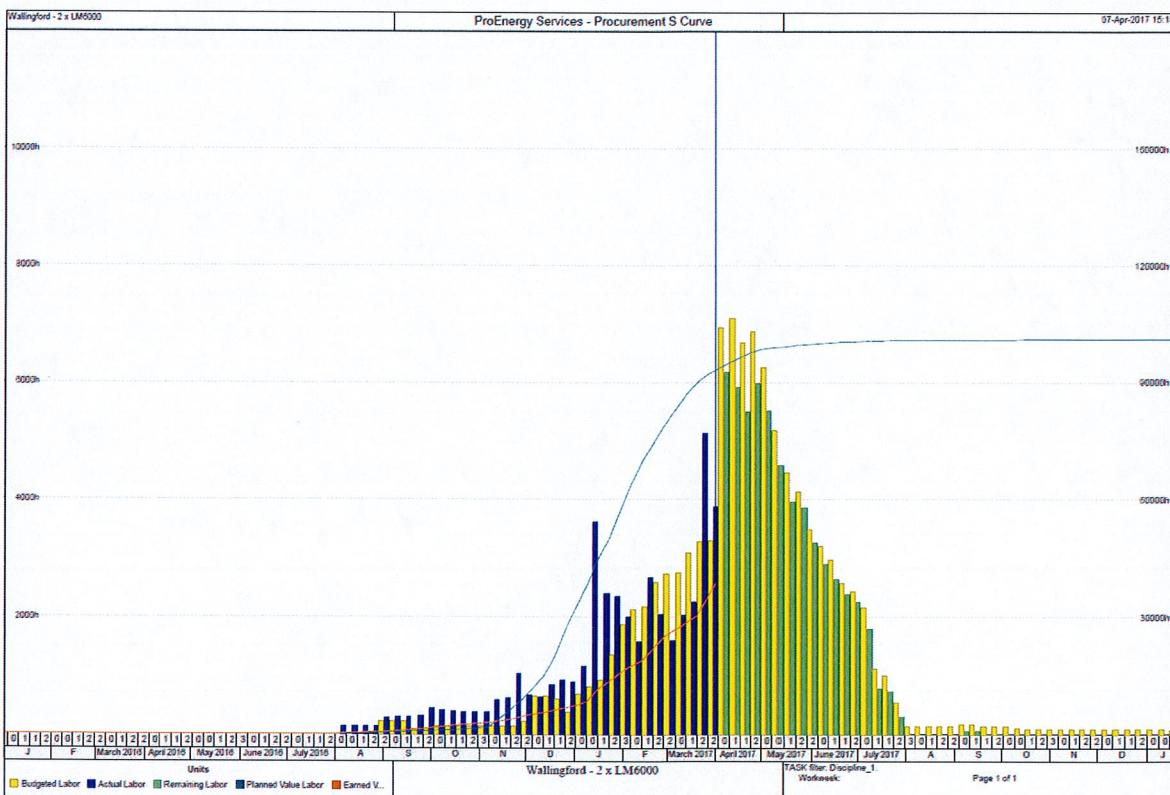
11.1.1. Engineering.





Monthly Progress Report
Wallingford Energy Center Expansion Project

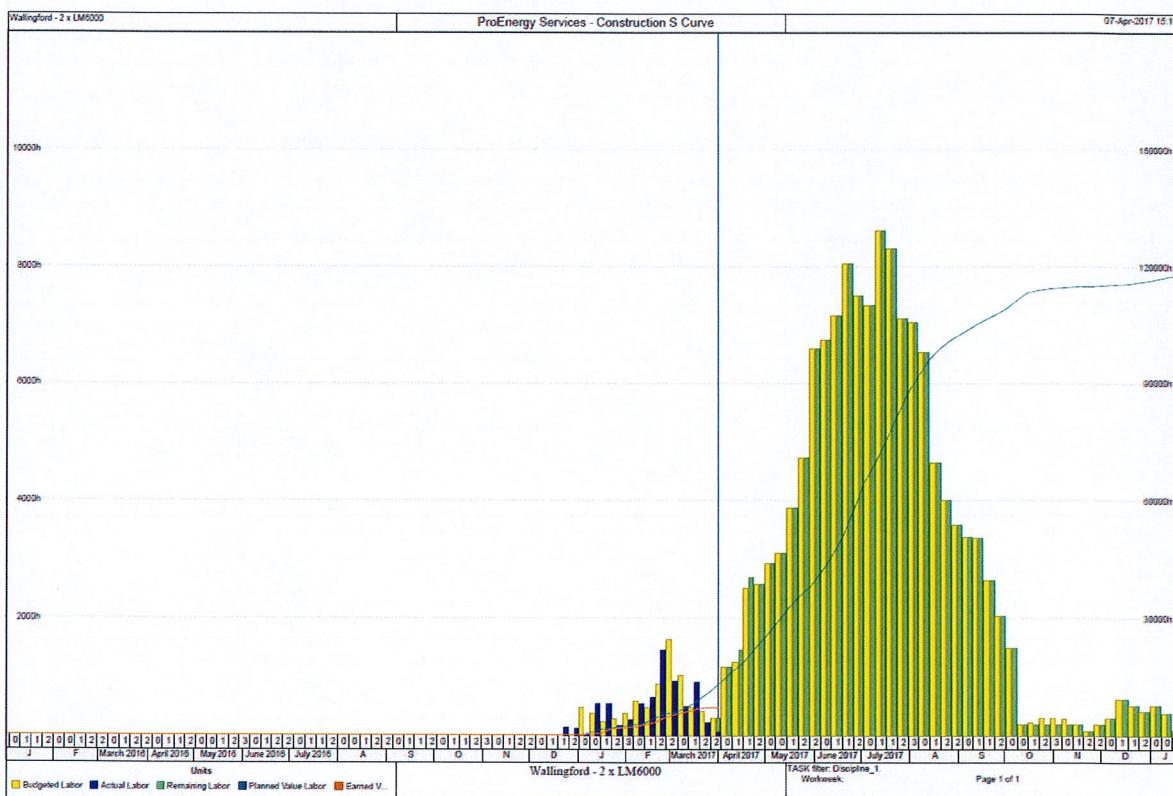
11.1.2. Procurement.

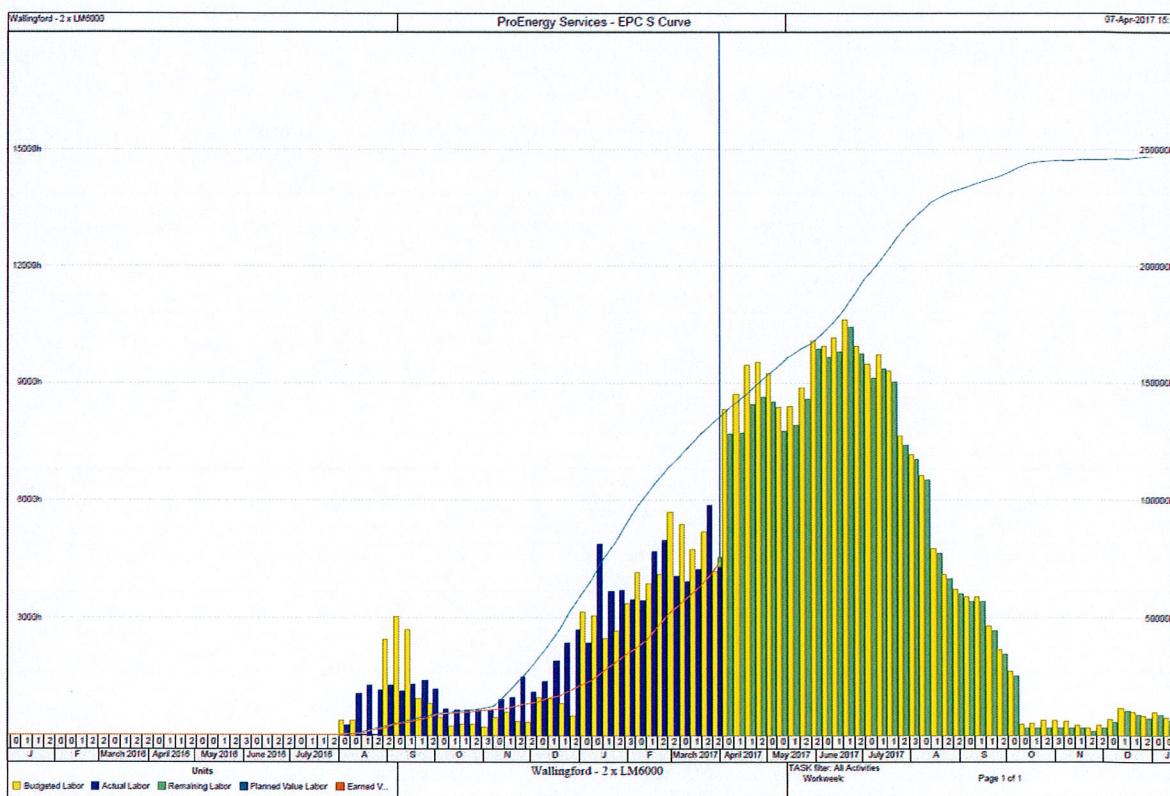




Monthly Progress Report

11.1.3. Construction.



11.1.4. EPC.


11.1.5. Concrete

Concrete			
Foundations	Flowable Fill	Concrete	Total c/y
GT Generators	172	344	516
Exhaust Stack/SCR	290	420	710
Electrical / Control Building	0	0	0
GSU Transformers 13.8kV delta x 13.8kV / 230 kV wye	30	100	130
Fin fan lube oil, Sprint, Water Injection, CTG removal pad, CO2 rack, Auxiliary skids	45	30	75
Total cubic yards intalled	537	894	1431

12. LABOR STATISTICS.
12.1. ProEnergy Services Safety Information for Wallingford Project

	2017 March	Project Total
Employees	29	29
Hours worked	5775.5	13528
Lost Workdays Incident Rate	0	0
Total Recordable Incident Rate	0	0
DART (Days away, restricted, transferred	0	0

13. PERMIT STATUS.
13.1. ProEnergy received Connecticut Major Contractor license.
13.1.1. Storm Water received October 3.
13.1.2. D&M approval received on September 29.
13.1.3. None required for Change Order 2 work.

14. PHOTOS

Poured flowable fill for Stack & SCR foundation # 7



Poured flowable fill for Stack & SCR foundation # 7



Installed form work for Stack & SCR # 7



Installing rebar for Stack & SCR foundation # 7



Tying rebar for Stack & SCR foundation # 7



Setting anchor bolts for Stack & SCR foundation # 7



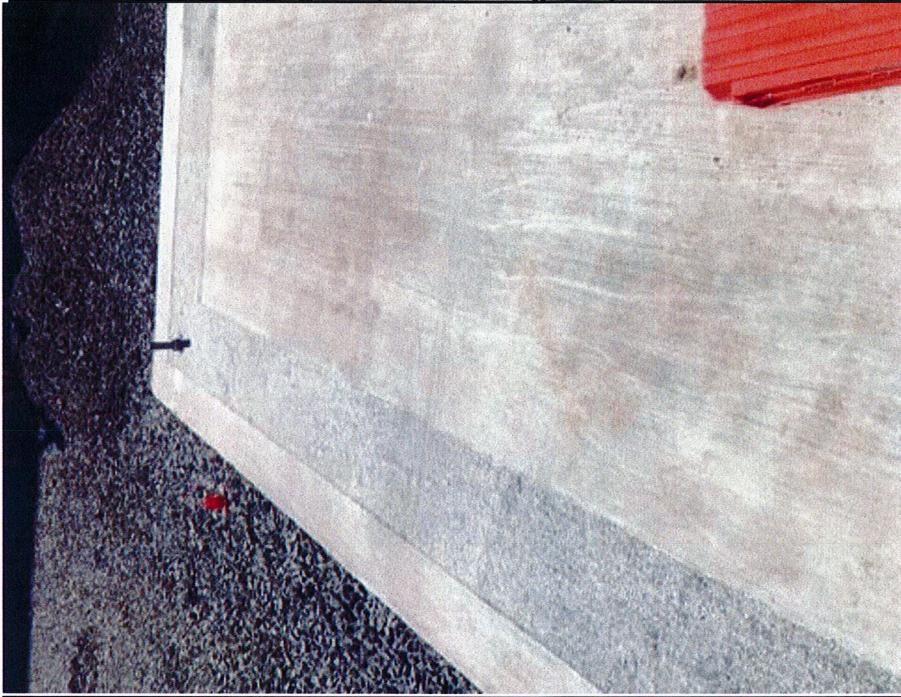
Poured concrete for Stack & SCR foundation # 7



Poured concrete for Stack & SCR foundation # 7



Bushed concrete and grout pockets for grout placement for CTG # 7



Bushed concrete and grout pockets for grout placement for CTG # 7



Covered Stack & SCR foundation # 6 with concrete blankets



Poured concrete for Stack & SCR foundation # 6



Poured concrete for Stack & SCR foundation # 6



Bushed concrete and grout pockets for grout placement for CTG # 6



Connected to the ground grid that was set around GSU foundation.



Connected to the ground grid that was set around GSU foundation.



Connected to the ground grid that was set around GSU foundation.



Connected to the ground grid that was set around GSU foundation.



Excavated on the block out of the GSU



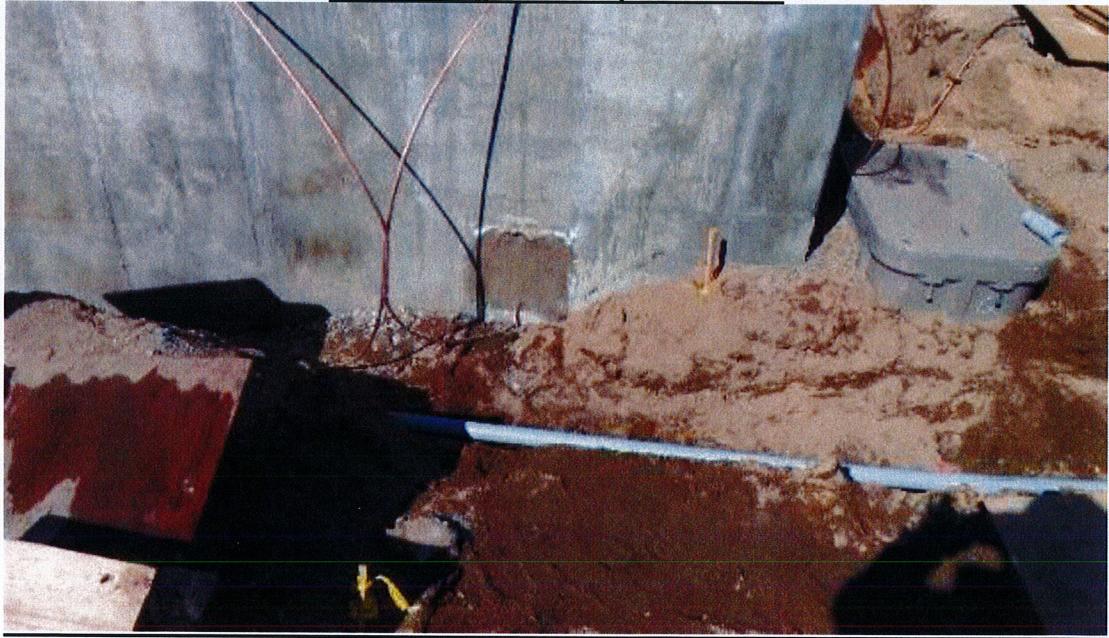
Excavated on the block out of the GSU



Back filled ground loop at the GSU



Back filled ground loop at the GSU



Excavated & set forms for Auxiliary Skids for CTG # 6



Excavated & set forms for Auxiliary Skids for CTG # 6



Poured flowable fill for Auxiliary skids for CTG # 6



Poured concrete for Auxiliary skids for CTG # 6



Stripped out form work for Auxiliary Skids CTG # 6



Stripped out form work for Auxiliary Skids CTG # 6



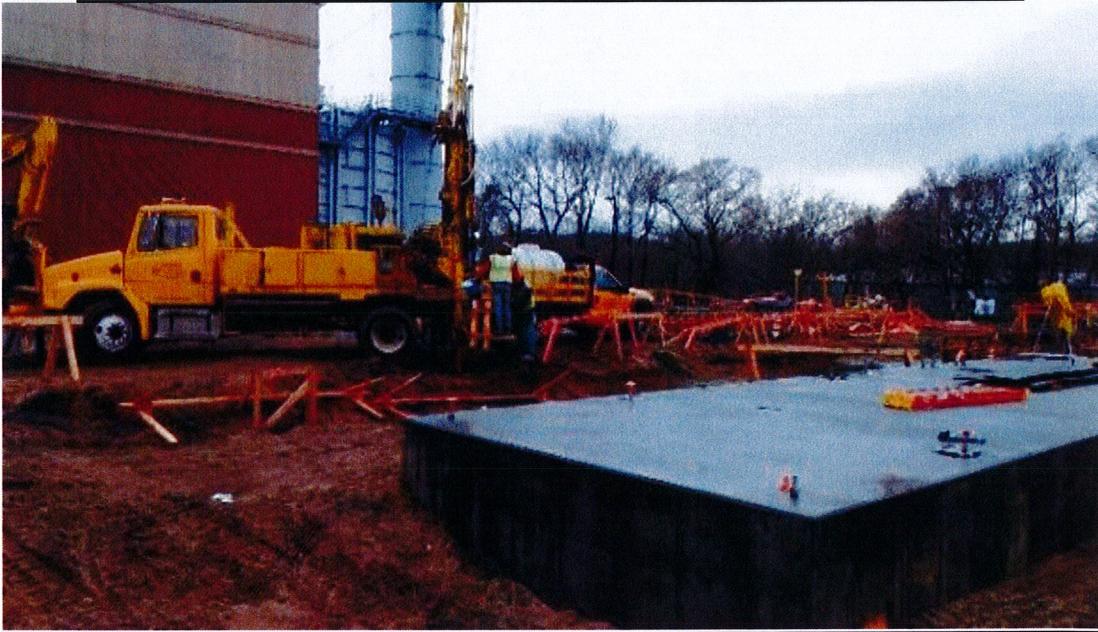
Back filled 1" stone for road



Back filled 1" stone for road



Well casings removed, wells were grounded and plugged with Bentonite



Well casings removed, wells were grounded and plugged with Bentonite



Received 18 rebar cages for Sound wall piers



Received 18 rebar cages for Sound wall piers



Received and unloaded Turbine Fan vent silencers



Received and unloaded Turbine Fan vent silencers



Received & unload CTG # 6 & 7 Roof skids.



Received & unload CTG # 6 & 7 Roof skids.



Received & unload CTG # 6 & 7 Roof skids.



Inserting Trunnions in Generator Base CTG # 6



Inserting Trunnions in Generator Base for CTG # 6



Set Generator Base on foundation for CTG # 6



Set Generator Base on foundation for CTG # 6



Received & offload Brush Generator unit # 7



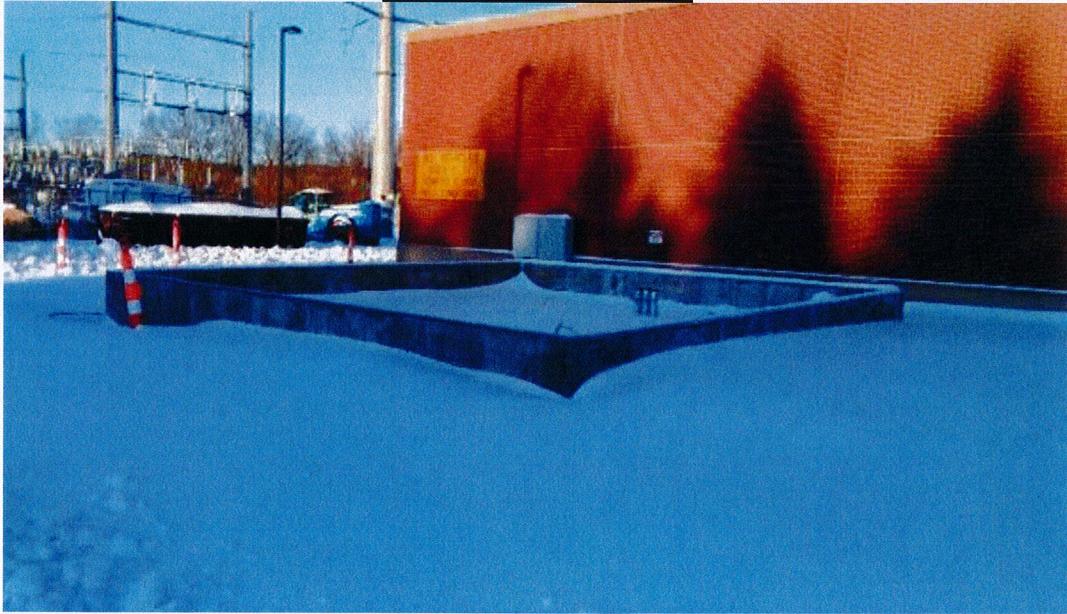
Received & offload Brush Generator unit # 7



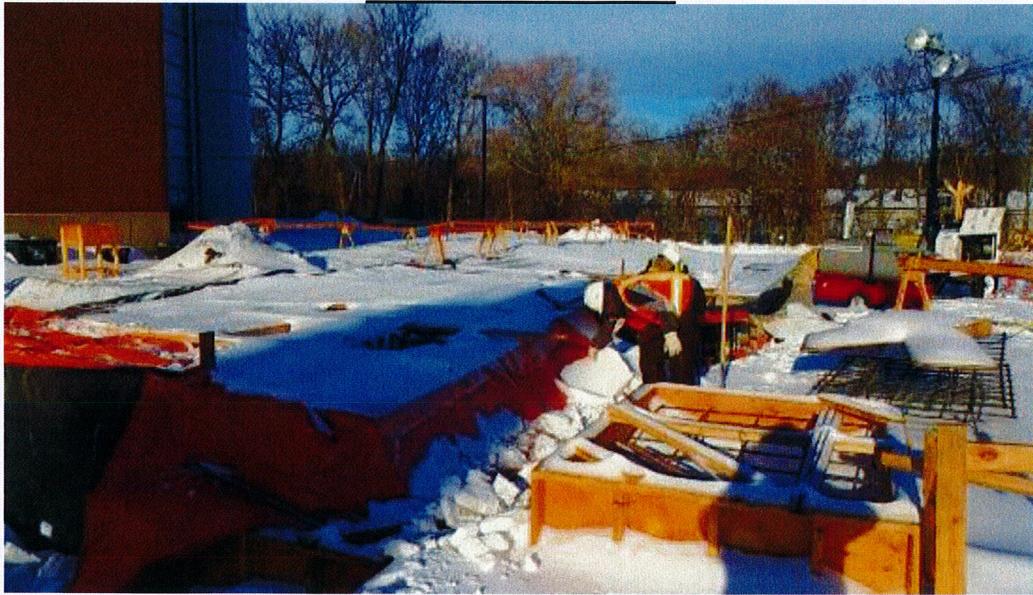
Blizzard Snow Removal



Blizzard Snow Removal



Blizzard Snow Removal



Blizzard Snow Removal

