

# 100 MW Combustion Turbine

Status Briefing– July 23 2014

Boundless Energy



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# Project Dashboard

The project is progressing according to plan and in compliance with Safety, Quality, Schedule, and Cost.



# Progress & Schedule Summary

1. Excavation for Combustion Turbine Area and Fuel Storage Tank Area is complete
2. Placement of engineered backfill for structural foundations is complete
3. Foundation for Fuel Storage Tank #1 is complete
4. Foundation for Fuel Storage Tank #2 is nearing completion on schedule



# Progress & Schedule Summary

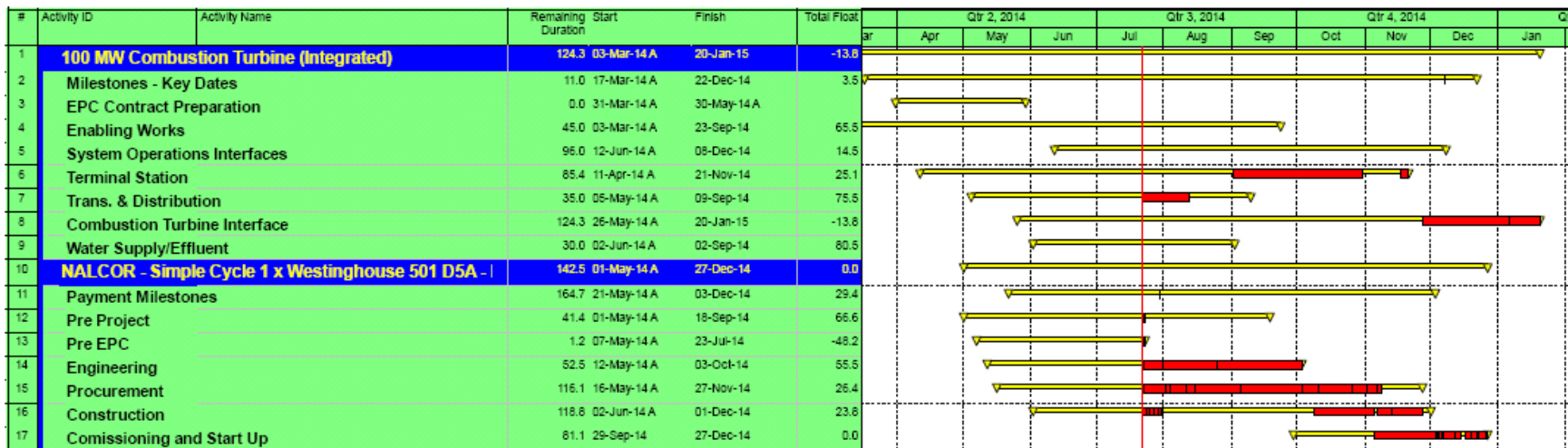
5. Generator Step Up Transformer Foundation is nearing completion on schedule
6. Duct Banks for Combustion Turbine Generator Installation are complete
7. Foundation for combustion turbine generator is complete.
8. All major contracts are awarded (see enclosed contracting plan)
9. Orders are placed for all long lead items

# Progress & Schedule Summary

10. Transmission Line construction has started on schedule.
11. Shipment of combustion turbine and major components arrived in NL on July 19, 3 weeks ahead of schedule.
12. Overall schedule is tracking in accordance with plan and ready for service date remains December 2014. See attached schedule showing progress to date.

# Level 2 – Summary Schedule

- See attached full detail schedule for more information on specific tasks



# Contracting Plan

Item	Contract Title	Scope of Work	Contractor	Scheduled Start Date	Scheduled Finish Date	Construction Status
1	EPC for 100MW CTG	Engineering, Procurement, and Construction Services for: 100 MW (Nominal) Combustion Turbine Generator Generator Step-up Transformer Combustion Turbine Generator Building Mechanical Balance of Plant Electrical Balance of Plant Balance of Plant Control System Remote Operation Capability Combustion Turbine Black Start Capability Civil/Structural Work; and Start-up Commissioning	ProEnergy	Jun 9/14	Dec 27/14	Ongoing
2	Site Prep Work for 100 MW CTG	Prep work for the construction site, trailer park, equipment laydown, & parking areas. <b>Note: The non-potable water line for the trailer park area will also be completed under this contract as an extra under the unscheduled allowance.</b>	Eric Taylor	May 14/14	May 30/14	Complete
3	Relocate Overhead Lines Over Construction Site	Relocation of 6 poles & overhead power/communication lines that are on the construction site.	ICM	May 20/14	6-Jun	Complete
4	Relocate Overhead Lines Over Fuel Oil Storage/ Truck Turnaround Area	The poles/lines in the fuel oil storage & turnaround area will have to be relocated as well.	ICM	1-Jun	6-Jun	Complete
5	Construction Power	Provision of 600 V, 500 A, 3 phase power for the construction site. Provision of a single phone line & internet connection for the trailer park area. ProEnergy to advise on the power requirements for the trailer park area.	ICM	May 26/14	May 30/14	Complete

# Contracting Plan

Item	Contract Title	Scope of Work	Contractor	Scheduled Start Date	Scheduled Finish Date	Construction Status
6	Holyrood Terminal Station Work	Civil work (foundation & structural work) for the installation of 230 kV breaker and disconnects. Installation of power, control, and instrument cables back to the HRDTS Control Room. Terminations on the yard end of the cables. Interconnection of the MODs with the 230 KV breaker. Pull cables into the building. Hydro will terminate on the P&C panel and run/terminate at the supervisory junction box.	Siemens (supply install breakers, installation of MOD) NGK - Supply insulators Mindcore - Supply MODs	Disconnects - June 24 TS Work - June 27	Oct 27/14	Design Complete. All equipment ordered. Construction Started
7	230 KV Transmission Line	Includes installation of poles, conductor, hardware to connect the high voltage side (230 KV) to the new 230 kV breaker in the Holyrood Terminal Station.	GJ Cahill	Jul 14/14	Sept 14/14	Construction Started
8	Raw Water/Effluent Interface Work	Includes a RAW water supply for the demin water skid and washroom facilities. Drain from oil water separator at the site boundary that will tie-into the plant sewer system. Sewer connection for the CTG washrooms.	TBD	Aug4/14	Sept 2/14	Tender to close July 24
9	Communications	Supply and install fibre optic cables and patch panels at 4 separate locations: HRD Plant commns room, HRD Plant Equipment Room, HRDTS Control Room, & the new CTG plant. A redundant ring will be created. Supply/install batteries & chargers.	CISCO	Aug 18/14	Dec 12/14	Tender to close July 24

# Risk Analysis

A 3<sup>rd</sup> party facilitated risk workshop was held on June 26<sup>th</sup>.

Risk Register was produced during the workshop (see attached)

Risk mitigation plan in place and being used to manage risk during execution of the project.

# Project Photos

# Photo 1 – CTG Site - Holyrood





# Photo 2 – CTG Foundation - Holyrood



# Photo 3 – CTG Foundation Rebar and Conduit - Holyrood





# Photo 4 – CTG Foundation Conduit - Holyrood



# Photo 5 – CTG Site GSU Foundation - Holyrood





# Photo 6 – Fuel Storage Area - Holyrood



# Photo 7 – Fuel Storage Tank 1 Foundation - Holyrood





# Photo 8 – Equipment Loadout - Houston



# Photo 9 – Equipment Loadout - Houston





# Photo 10 – Equipment Loadout - Houston



# Photo 11 – Equipment Loadout - Houston



# Photo 12 – Equipment Loadout - Memphis





# Photo 13 – Equipment Loadout - Memphis



# Photo 14 – Equipment Loadout - Memphis



# Photo 15 – Equipment Loadout - Houston

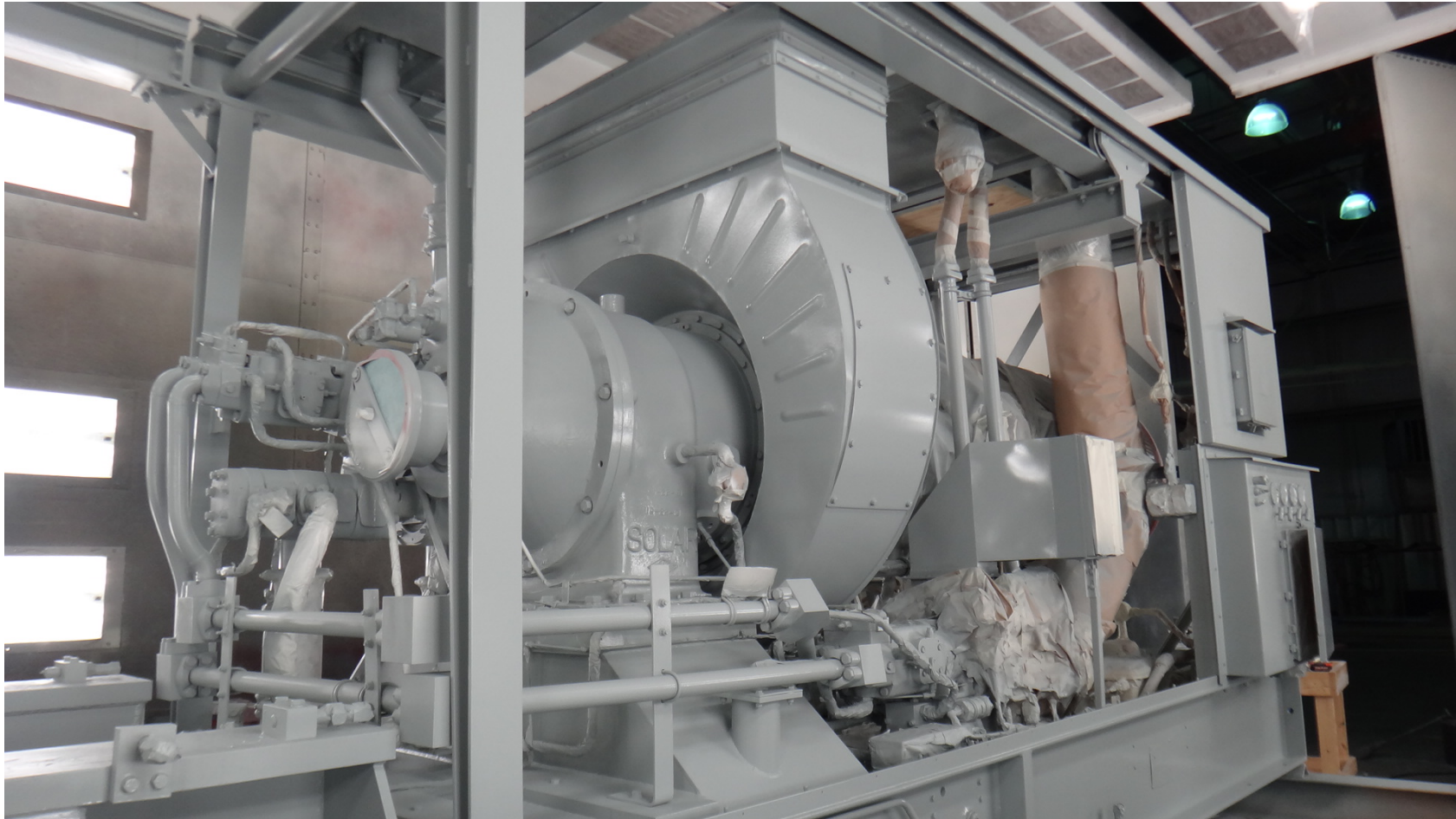




# Photo 16 – Equipment Loadout - Houston



# Photo 17 – Black Start Generator – Sedalia, MO





# Photo 18 – Modular Power Distribution Centre – Sedalia, MO



# Photo 20 – Modular Power Distribution Centre – Sedalia, MO





# Photo 21 – CTG Offloaded – Bay Bulls, NL



# Photo 22 – GSU Transformer Offloaded – Bay Bulls, NL





# Photo 23 – CTG Equipment Offloaded – Bay Bulls, NL



# Photo 24 – Cooler Offloading – Bay Bulls, NL



# Detailed Schedule

100 MW Combustion Turbine Project

22-Jul-14

#	Activity ID	Activity Name	Remaining Duration	Start	Finish	Calendar																																	
						14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
1	<b>100 MW Combustion Turbine (Integrated)</b>		124.3	03-Mar-14 A	20-Jan-15	[Summary bar]																																	
2	<b>Milestones - Key Dates</b>		11.0	17-Mar-14 A	22-Dec-14	[Summary bar]																																	
3	A1470	Project Start	0.0	17-Mar-14 A		[Summary bar]																																	
4	A1450	BOD Approval Received	0.0		03-Apr-14 A	[Summary bar]																																	
5	A1460	Documents submitted to PUB	0.0		10-Apr-14 A	[Summary bar]																																	
6	A2590	Geo-Tech Survey Complete	0.0		23-Apr-14 A	[Summary bar]																																	
7	A1640	EA Registration Submitted to NL Gov't	0.0		25-Apr-14 A	[Summary bar]																																	
8	AKD70	Start of NLH design	0.0	05-May-14 A		[Summary bar]																																	
9	A1890	PUB Approval Received	0.0		07-May-14 A	[Summary bar]																																	
10	AKD90	NLH Mobilization to site	0.0	20-May-14 A		[Summary bar]																																	
11	A1660	Release From Further Environmental Assessment	0.0		27-Jun-14 A	[Summary bar]																																	
12	A4350	Project Set-up Complete (Admin, Costs, Doc control, team)	0.0		11-Jul-14 A	[Summary bar]																																	
13	A1800	In Service Date/Commercial Operation Date (COD)	0.0		07-Dec-14*	[Summary bar]																																	
14	AKD0030	Project Closeout	0.0		22-Dec-14	[Summary bar]																																	
15	<b>EPC Contract</b>		0.0	07-Apr-14 A	09-Jun-14 A	[Summary bar]																																	
16	A3190	EPC Tender Issued	0.0	07-Apr-14 A		[Summary bar]																																	
17	A3310	EPC Tender Closed	0.0		21-Apr-14 A	[Summary bar]																																	
18	AKD80	Start of EPC design	0.0	24-Apr-14 A		[Summary bar]																																	
19	AKD110	Release of Limited Notice to Proceed (EPC contract)	0.0	24-Apr-14 A		[Summary bar]																																	
20	A3200	EPC Contract Fully Awarded	0.0		16-May-14 A	[Summary bar]																																	
21	AKD100	EPC Mobilization to site	0.0	09-Jun-14 A		[Summary bar]																																	
22	<b>EPC Contract Preparation</b>		0.0	31-Mar-14 A	30-May-14 A	[Summary bar]																																	
23	A2650	Prepare EPC Contract Documents	0.0	31-Mar-14 A	04-Apr-14 A	[Summary bar]																																	
24	A2660	Tender Period	0.0	07-Apr-14 A	21-Apr-14 A	[Summary bar]																																	
25	A2670	Contract- Initial Evaluation	0.0	22-Apr-14 A	24-Apr-14 A	[Summary bar]																																	
26	A2640	Complete Final Tender Evaluation (T&C's, etc)	0.0	25-Apr-14 A	16-May-14 A	[Summary bar]																																	
27	A2680	Pre-Award Equipment Inspection	0.0	05-May-14 A	30-May-14 A	[Summary bar]																																	
28	<b>Enabling Works</b>		45.0	03-Mar-14 A	23-Sep-14	[Summary bar]																																	
29	<b>Project Set-up &amp; Admin</b>		0.0	03-Mar-14 A	15-Jul-14 A	[Summary bar]																																	
30	A3350	Establish WBS	0.0	08-Apr-14 A	18-Apr-14 A	[Summary bar]																																	
31	A1100	Formalize Operating Parameters	0.0	03-Mar-14 A	25-Apr-14 A	[Summary bar]																																	
32	A1140	Set-up Project Administration System	0.0	21-Apr-14 A	09-May-14 A	[Summary bar]																																	
33	A1020	Populate Project Team	0.0	03-Mar-14 A	09-Jun-14 A	[Summary bar]																																	
34	A3330	Set-up Doc. Control System	0.0	09-Jun-14 A	16-Jun-14 A	[Summary bar]																																	
35	A1210	Perform Risk Assessment (NLH & EPC)	0.0	26-Jun-14 A	26-Jun-14 A	[Summary bar]																																	
36	A3320	Establish Project Offices	0.0	09-Jun-14 A	30-Jun-14 A	[Summary bar]																																	
37	A1110	Prepare Health & Safety & Security plan	0.0	14-Apr-14 A	02-Jul-14 A	[Summary bar]																																	
38	A3340	Set-up Project Controls system (Cost, schedule, meetings)	0.0	28-Apr-14 A	11-Jul-14 A	[Summary bar]																																	
39	A1160	Complete Project Strategy Document	0.0	02-Jun-14 A	15-Jul-14 A	[Summary bar]																																	
40	<b>Pre-Construction Activities</b>		3.0	31-Mar-14 A	24-Jul-14	[Summary bar]																																	
41	A3420	Conduct Site TOPO survey	0.0	11-Apr-14 A	17-Apr-14 A	[Summary bar]																																	
42	A1120	Conduct Geotechnical Survey	0.0	31-Mar-14 A	23-Apr-14 A	[Summary bar]																																	
43	A1150	Establish Construction Services - Water	0.0	21-Apr-14 A	09-Jun-14 A	[Summary bar]																																	
44	A3440	Establish Laydown area & parking & Construction offices	0.0	21-Apr-14 A	09-Jun-14 A	[Summary bar]																																	

█ Actual Work      ◆ Milestone  
█ Remaining Work      ▾ Summary  
█ Critical Remaining Work

100 MW Combustion Turbine (Integrated)...



# 100 MW Combustion Turbine Project

22-Jul-14

#	Activity ID	Activity Name	Remaining Duration	Start	Finish	Calendar																																			
						14	8	25	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11
45	A3460	Construction Kick-off & HSSEplanning	0.0	11-Apr-14 A	09-Jun-14 A	[Gantt bar]																																			
46	A4390	Establish Construction Services - Power	0.0	21-Apr-14 A	15-Jun-14 A	[Gantt bar]																																			
47	A4400	Establish Construction Services - Comm's	3.0	21-Apr-14 A	24-Jul-14	[Gantt bar]																																			
48	<b>Existing Lines Relocation</b>			0.0	28-Apr-14 A	15-Jun-14 A	[Gantt bar]																																		
49	<b>CT Area</b>			0.0	28-Apr-14 A	09-Jun-14 A	[Gantt bar]																																		
50	A3470	Create Spec	0.0	28-Apr-14 A	02-May-14 A	[Gantt bar]																																			
51	A3480	Tender period	0.0	05-May-14 A	13-May-14 A	[Gantt bar]																																			
52	A3490	Review & award	0.0	14-May-14 A	16-May-14 A	[Gantt bar]																																			
53	A3450	Contractor to relocate existing lines	0.0	20-May-14 A	09-Jun-14 A	[Gantt bar]																																			
54	<b>Fuel Storage Area</b>			0.0	19-May-14 A	15-Jun-14 A	[Gantt bar]																																		
55	A4410	Create Spec	0.0	19-May-14 A	23-May-14 A	[Gantt bar]																																			
56	A4420	Rec'd quote	0.0	23-May-14 A	27-May-14 A	[Gantt bar]																																			
57	A4430	Review & award	0.0	02-Jun-14 A	02-Jun-14 A	[Gantt bar]																																			
58	A4440	Contractor to relocate existing lines	0.0	09-Jun-14 A	15-Jun-14 A	[Gantt bar]																																			
59	<b>Environmental Assessment Registration</b>			0.0	03-Apr-14 A	27-Jun-14 A	[Gantt bar]																																		
60	A1200	Conduct Stakeholder Consultations (CLC meeting)	0.0	14-Apr-14 A	14-Apr-14 A	[Gantt bar]																																			
61	A1180	Conduct Screening Emissions Modeling	0.0	03-Apr-14 A	15-Apr-14 A	[Gantt bar]																																			
62	A1230	Prepare Environmental Registration Document	0.0	07-Apr-14 A	24-Apr-14 A	[Gantt bar]																																			
63	A1650	Review Period	0.0	25-Apr-14 A	27-Jun-14 A	[Gantt bar]																																			
64	<b>Permits &amp; Approvals</b>			30.0	01-Apr-14 A	23-Sep-14	[Gantt bar]																																		
65	A1520	Prepare & Submit PUB application	0.0	01-Apr-14 A	10-Apr-14 A	[Gantt bar]																																			
66	A1880	PUB Review Time	0.0	11-Apr-14 A	23-May-14 A	[Gantt bar]																																			
67	A3410	Issue Notice of Project to GSC	0.0	09-Jun-14 A	09-Jun-14 A	[Gantt bar]																																			
68	A1730	Obtain Fuel Storage Permit	30.0	12-Aug-14	23-Sep-14	[Gantt bar]																																			
69	A3380	Modify Effluent Permit	30.0	12-Aug-14	23-Sep-14	[Gantt bar]																																			
70	A3390	Obtain Oil Water Separator Permit	30.0	12-Aug-14	23-Sep-14	[Gantt bar]																																			
71	A3400	Obtain Bldg. Occupancy Permit	30.0	12-Aug-14	23-Sep-14	[Gantt bar]																																			
72	<b>System Operations Interfaces</b>			96.0	12-Jun-14 A	08-Dec-14	[Gantt bar]																																		
73	A4470	Preliminary Points List	0.0	12-Jun-14 A	20-Jun-14 A	[Gantt bar]																																			
74	A4460	Modeling Information	4.0	12-Jun-14 A	25-Jul-14	[Gantt bar]																																			
75	A4560	Outage Plan	4.0	12-Jun-14 A	25-Jul-14	[Gantt bar]																																			
76	A4450	Single Line Diagram	1.0	28-Jul-14	29-Jul-14	[Gantt bar]																																			
77	A4480	Final Points List	19.0	25-Jun-14 A	15-Aug-14	[Gantt bar]																																			
78	A4490	Metering & Billing Information	19.0	12-Jun-14 A	15-Aug-14	[Gantt bar]																																			
79	A4540	Special Operating Instructions	18.0	04-Aug-14*	27-Aug-14	[Gantt bar]																																			
80	A4500	Static Commissioning Plan	30.0	22-Jul-14 A	02-Sep-14	[Gantt bar]																																			
81	A4510	Protection Plan	38.0	22-Jul-14 A	12-Sep-14	[Gantt bar]																																			
82	A4520	Energization Plan	38.0	22-Jul-14 A	12-Sep-14	[Gantt bar]																																			
83	A4530	Dynamic Commissioning Plan	38.0	22-Jul-14 A	12-Sep-14	[Gantt bar]																																			
84	A4550	RFO/RFS Form	0.0	08-Dec-14	08-Dec-14	[Gantt bar]																																			
85	<b>Terminal Station</b>			85.4	11-Apr-14 A	21-Nov-14	[Gantt bar]																																		
86	<b>Engineering</b>			34.0	01-May-14 A	08-Sep-14	[Gantt bar]																																		
87	A1710	Complete Single Line Diagram	0.0	05-May-14 A	12-May-14 A	[Gantt bar]																																			
88	A3500	System Planning Studies	2.0	25-Jun-14 A	23-Jul-14	[Gantt bar]																																			
89	<b>Electrical</b>			0.0	01-May-14 A	21-Jul-14 A	[Gantt bar]																																		

- [Green bar] Obtain Fuel Storage Permit
- [Green bar] Modify Effluent Permit
- [Green bar] Obtain Oil Water Separator Permit
- [Green bar] Obtain Bldg. Occupancy Permit

- [Green bar] Modeling Information
- [Green bar] Outage Plan
- [Green bar] Single Line Diagram
- [Green bar] Final Points List
- [Green bar] Metering & Billing Information
- [Green bar] Special Operating Instructions
- [Green bar] Static Commissioning Plan
- [Green bar] Protection Plan
- [Green bar] Energization Plan
- [Green bar] Dynamic Commissioning Plan

| RFO/RFS Form

█ Actual Work      ◆ ◆ Milestone  
█ Remaining Work      ▾ Summary  
█ Critical Remaining Work

### 100 MW Combustion Turbine Project

22-Jul-14

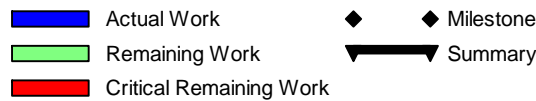
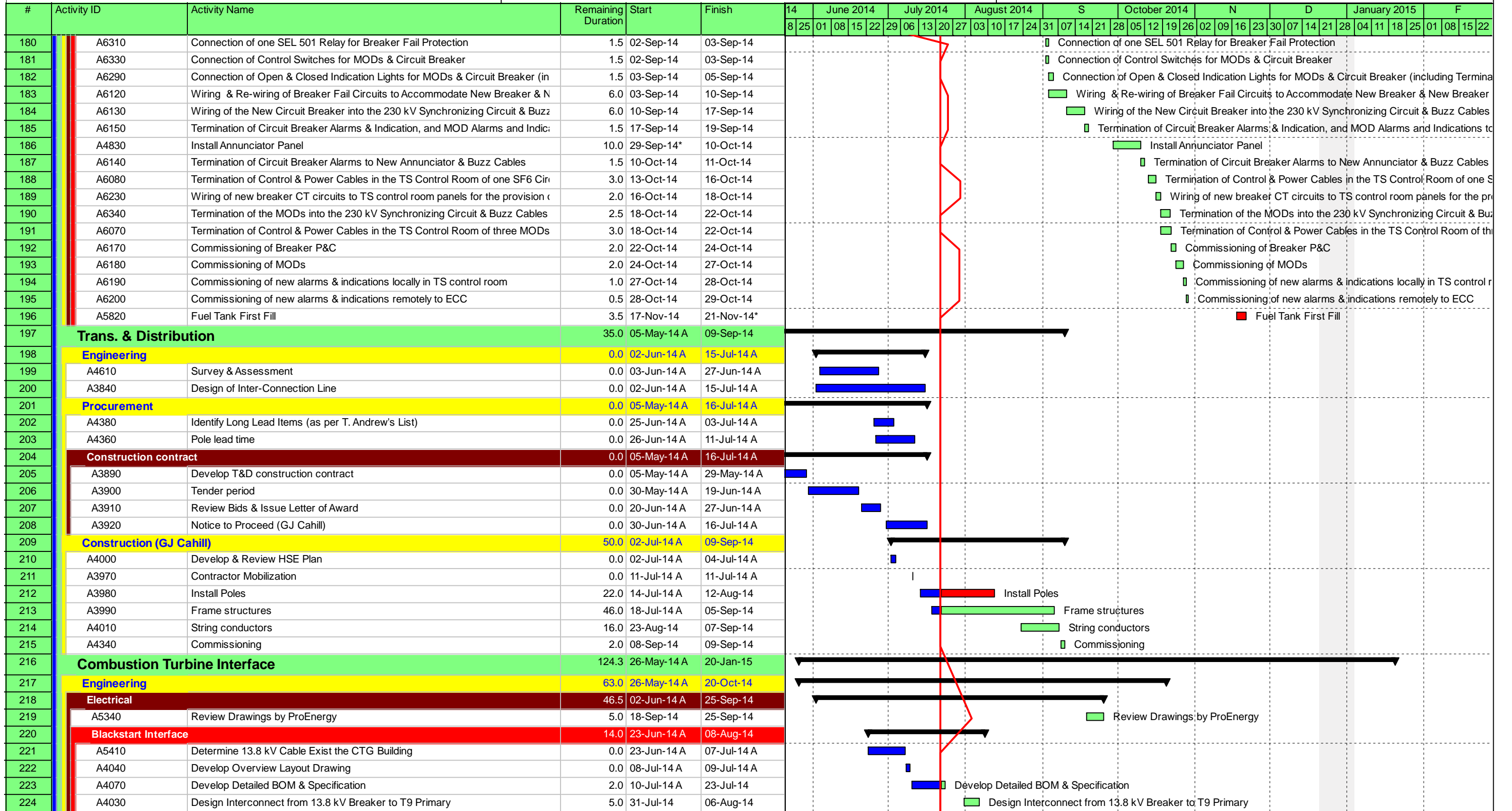
#	Activity ID	Activity Name	Remaining Duration	Start	Finish	Gantt Chart																																			
						14	8	25	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11
90	A4760	Specify Disconnects	0.0	01-Jun-14 A	20-Jun-14 A	[Gantt Bar]																																			
91	A3240	Review Electrical Design done by Siemens	0.0	01-May-14 A	02-Jul-14 A	[Gantt Bar]																																			
92	A4590	Vendor Breaker Design (Siemens)	0.0	25-Jun-14 A	21-Jul-14 A	[Gantt Bar]																																			
93	<b>P&amp;C</b>		<b>18.0</b>	<b>01-May-14 A</b>	<b>14-Aug-14</b>	[Gantt Bar]																																			
94	A5400	Finalize Siemens Drawings	0.0	01-May-14 A	30-Jun-14 A	[Gantt Bar]																																			
95	A4700	P&C Material Identification for Procurement	0.0	07-Jul-14 A	18-Jul-14 A	[Gantt Bar]																																			
96	A4750	Review P&C Design on Bay 4	5.0	06-Aug-14	12-Aug-14	[Gantt Bar]																																			
97	A4690	P&C Design for Terminal Station Work	16.0	30-Jun-14 A	12-Aug-14	[Gantt Bar]																																			
98	A4710	Prepare detailed SCADA listing - TS	14.0	28-Jul-14*	14-Aug-14	[Gantt Bar]																																			
99	<b>Communications</b>		<b>34.0</b>	<b>25-Jun-14 A</b>	<b>08-Sep-14</b>	[Gantt Bar]																																			
100	A5700	Design New RTU Configuration	24.0	25-Jun-14 A	22-Aug-14	[Gantt Bar]																																			
101	A5710	Develop RTU Work Package	5.0	25-Aug-14	29-Aug-14	[Gantt Bar]																																			
102	A5720	Complete RTU PDU Testing	5.0	02-Sep-14	08-Sep-14	[Gantt Bar]																																			
103	<b>Civil</b>		<b>0.0</b>	<b>25-Jun-14 A</b>	<b>08-Jul-14 A</b>	[Gantt Bar]																																			
104	A3430	Civil Design (site layout, foundations & TS structures)	0.0	25-Jun-14 A	02-Jul-14 A	[Gantt Bar]																																			
105	A3510	NL Hydro Review Civil Design	0.0	02-Jul-14 A	08-Jul-14 A	[Gantt Bar]																																			
106	<b>Procurement (Equipment)</b>		<b>60.0</b>	<b>11-Apr-14 A</b>	<b>15-Oct-14</b>	[Gantt Bar]																																			
107	<b>Electrical</b>		<b>60.0</b>	<b>11-Apr-14 A</b>	<b>15-Oct-14</b>	[Gantt Bar]																																			
108	<b>Breaker</b>		<b>39.0</b>	<b>11-Apr-14 A</b>	<b>15-Sep-14</b>	[Gantt Bar]																																			
109	A1920	Lead time of 230 kV Breaker (under existing Siemens contract #:2013-56265)	39.0	11-Apr-14 A	15-Sep-14*	[Gantt Bar]																																			
110	<b>Disconnect Switches</b>		<b>36.0</b>	<b>18-Jun-14 A</b>	<b>10-Sep-14</b>	[Gantt Bar]																																			
111	A2450	Prepare RFQ	0.0	18-Jun-14 A	20-Jun-14 A	[Gantt Bar]																																			
112	A2470	Review & Approve CO to ProEnergy	0.0	23-Jun-14 A	24-Jun-14 A	[Gantt Bar]																																			
113	A2440	Lead time of 230 kV Disconnect switches	36.0	24-Jun-14 A	10-Sep-14*	[Gantt Bar]																																			
114	<b>Insulators</b>		<b>60.0</b>	<b>18-Jun-14 A</b>	<b>15-Oct-14</b>	[Gantt Bar]																																			
115	A4570	Prepare RFQ	0.0	18-Jun-14 A	20-Jun-14 A	[Gantt Bar]																																			
116	A4580	Review & Award PO (NGK)	0.0	20-Jun-14 A	20-Jun-14 A	[Gantt Bar]																																			
117	A2460	Lead Time of 230 kV Insulators	60.0	24-Jun-14 A	15-Oct-14*	[Gantt Bar]																																			
118	<b>P&amp;C</b>		<b>39.0</b>	<b>07-Jul-14 A</b>	<b>15-Sep-14</b>	[Gantt Bar]																																			
119	A5590	Breaker Fail Relay (50BF/B4B12) SEL 501	0.0	21-Jul-14 A	22-Jul-14 A	[Gantt Bar]																																			
120	A6000	Aux. Relay Case	4.0	22-Jul-14 A	25-Jul-14	[Gantt Bar]																																			
121	A5580	Inventory Misc. Items	9.0	07-Jul-14 A	01-Aug-14	[Gantt Bar]																																			
122	A5900	Isolating Terminal Blocks (SJB)	9.0	21-Jul-14 A	01-Aug-14	[Gantt Bar]																																			
123	A5600	Control Switches (open/close) (52CS-TS)	14.0	21-Jul-14 A	08-Aug-14	[Gantt Bar]																																			
124	A5610	Control Switch (manual sync) (43M/IR)	14.0	21-Jul-14 A	08-Aug-14	[Gantt Bar]																																			
125	A5980	Heat Shrink Tubing (wire label) Rolls	14.0	21-Jul-14 A	08-Aug-14	[Gantt Bar]																																			
126	A6320	Breaker Fail Lockout Relay (86BF)	20.0	24-Jul-14*	20-Aug-14	[Gantt Bar]																																			
127	A5620	Test Switches	29.0	21-Jul-14 A	29-Aug-14	[Gantt Bar]																																			
128	A5640	Sliding Link Terminal Blocks (panels)	29.0	21-Jul-14 A	29-Aug-14	[Gantt Bar]																																			
129	A5910	LEDs - Green	29.0	21-Jul-14 A	29-Aug-14	[Gantt Bar]																																			
130	A5920	LEDs - Red	29.0	21-Jul-14 A	29-Aug-14	[Gantt Bar]																																			
131	A5630	T Relay	39.0	21-Jul-14 A	15-Sep-14	[Gantt Bar]																																			
132	<b>Procurement (Install)</b>		<b>0.0</b>	<b>25-Jun-14 A</b>	<b>16-Jul-14 A</b>	[Gantt Bar]																																			
133	<b>Electrical</b>		<b>0.0</b>	<b>25-Jun-14 A</b>	<b>16-Jul-14 A</b>	[Gantt Bar]																																			
134	A2480	Review & award CO under existing Siemens contract #:2013-56265	0.0	25-Jun-14 A	09-Jul-14 A	[Gantt Bar]																																			

■ Actual Work     ◆ Milestone  
■ Remaining Work     ▶ Summary  
■ Critical Remaining Work



# 100 MW Combustion Turbine Project

22-Jul-14



100 MW Combustion Turbine (Integrated)...









# 100 MW Combustion Turbine Project

22-Jul-14

#	Activity ID	Activity Name	Remaining Duration	Start	Finish	100 MW Combustion Turbine Project Gantt Chart																																								
						14	June 2014					July 2014					August 2014					S				October 2014				N				D				January 2015				F				
						8	25	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25	01	08	15	22
359	EQP.MLS.10	Hold Fee	0.0		21-May-14 A	◆	Hold Fee																																							
360	EQP.MLS.100	CTG Balance	0.0		02-Jun-14 A	◆	CTG Balance																																							
361	EQP.MLS.110	GSU Purchase	0.0		02-Jun-14 A	◆	GSU Purchase																																							
362	EQP.MLS.170	Inlet Filter House FAT	0.0		11-Jul-14 A	◆	Inlet Filter House FAT																																							
363	EQP.MLS.120	Solar FAT/Title Transfer	0.0		24-Jul-14	◆	Solar FAT/Title Transfer																																							
364	EQP.MLS.90	Operations & Routine Maint. Documentation	0.0		25-Jul-14	◆	Operations & Routine Maint. Documentation																																							
365	EQP.MLS.50	13.8kV to 4.16kV Station Service Transformer FAT/Title Transfer	0.0		30-Jul-14*	◆	13.8kV to 4.16kV Station Service Transformer FAT/Title Transfer																																							
366	EQP.MLS.190	Station Air System Compressors FAT	0.0		04-Aug-14	◆	Station Air System Compressors FAT																																							
367	EQP.MLS.130	Diesel Generator FAT/Title Transfer	0.0		28-Aug-14	◆	Diesel Generator FAT/Title Transfer																																							
368	EQP.MLS.80	Generator Circuit Breaker FAT/Title Transfer	0.0		04-Sep-14	◆	Generator Circuit Breaker FAT/Title Transfer																																							
369	EQP.MLS.60	4.16kV to 480V Station Service Transformer FAT/Title Transfer	0.0		08-Sep-14	◆	4.16kV to 480V Station Service Transformer FAT/Title Transfer																																							
370	EQP.MLS.160	Waste Water Treatment System FAT	0.0		10-Sep-14	◆	Waste Water Treatment System FAT																																							
371	EQP.MLS.180	Fuel Heating Pacakge FAT	0.0		01-Oct-14	◆	Fuel Heating Pacakge FAT																																							
372	EQP.MLS.140	Water Plant FAT/Title Transfer	0.0		06-Oct-14	◆	Water Plant FAT/Title Transfer																																							
373	EQP.MLS.40	Heating Coil FAT/Title Transfer	0.0		07-Oct-14	◆	Heating Coil FAT/Title Transfer																																							
374	EQP.MLS.70	Control System BOP FAT/Title Transfer	0.0		10-Oct-14	◆	Control System BOP FAT/Title Transfer																																							
375	EQP.MLS.30	Liquid Fuel Transfer System & Tanks FAT	0.0		20-Oct-14	◆	Liquid Fuel Transfer System & Tanks FAT																																							
376	EQP.MLS.20	Water Injection Skid FAT/Title Transfer	0.0		06-Nov-14	◆	Water Injection Skid FAT/Title Transfer																																							
377	EQP.MLS.150	Liquid Fuel Package FAT/Title Transfer	0.0		06-Nov-14	◆	Liquid Fuel Package FAT/Title Transfer																																							
378	<b>EPC</b>		<b>163.4</b>	<b>26-Jul-14</b>	<b>03-Dec-14</b>		Summary bar for EPC																																							
379	EPC.MLS.20	Milestone 2 - Civic Work - Foundations Poured for Major Equipment	0.0		26-Jul-14	◆	Milestone 2 - Civic Work - Foundations Poured for Major Equipment																																							
380	EPC.MLS.10	Milestone 1 - Engineering Deliverables	0.0		14-Aug-14	◆	Milestone 1 - Engineering Deliverables																																							
381	EPC.MLS.30	Milestone 3 - Major Equipment Rough Set on Foundations	0.0		09-Sep-14	◆	Milestone 3 - Major Equipment Rough Set on Foundations																																							
382	EPC.MLS.40	Milestone 4 - Assembly of Major Equipment	0.0		04-Nov-14	◆	Milestone 4 - Assembly of Major Equipment																																							
383	EPC.MLS.50	Milestone 5 - Mechanical Completion	0.0		01-Dec-14	◆	Milestone 5 - Mechanical Completion																																							
384	EPC.MLS.60	Milestone 6 - Commissioning & Testing Complete	0.0		03-Dec-14	◆	Milestone 6 - Commissioning & Testing Complete																																							
385	<b>Pre Project</b>		<b>41.4</b>	<b>01-May-14 A</b>	<b>18-Sep-14</b>		Summary bar for Pre Project																																							
386	<b>PES</b>		<b>41.4</b>	<b>07-May-14 A</b>	<b>18-Sep-14</b>		Summary bar for PES																																							
387	PPRJ.50	600V Construction Power Requirement	0.0	08-May-14 A	12-May-14 A		Actual Work bar																																							
388	PPRJ.160	O&M Proposal	0.0	08-May-14 A	14-May-14 A		Actual Work bar																																							
389	PPRJ.140	FAT List/Schedule	0.0	14-May-14 A	19-May-14 A		Actual Work bar																																							
390	PPRJ.10	Training Syllabus for Minor O&M	0.0	07-May-14 A	21-May-14 A		Actual Work bar																																							
391	PPRJ.40	Performance Test Protocol	0.0	09-May-14 A	21-May-14 A		Actual Work bar																																							
392	PPRJ.80	Updated Level III Schedule	0.0	07-May-14 A	21-May-14 A		Actual Work bar																																							
393	PPRJ.200	Quality Plan	0.0	07-May-14 A	23-May-14 A		Actual Work bar																																							
394	PPRJ.20	Commissioning Plan	0.0	12-May-14 A	13-Jun-14 A		Actual Work bar																																							
395	PPRJ.180	Mobilization Plan	0.0	12-May-14 A	13-Jun-14 A		Actual Work bar																																							
396	PPRJ.60	Water Consumption Rate for Plant	0.0	16-Jun-14 A	27-Jun-14 A		Actual Work bar																																							
397	PPRJ.190	Health & Safety Plan	0.0	07-May-14 A	27-Jun-14 A		Actual Work bar																																							
398	PPRJ.210	Flre Water Flow Rate Calculation	0.0	19-May-14 A	27-Jun-14 A		Actual Work bar																																							
399	PPRJ.90	Engineering GADWG	1.8	12-May-14 A	23-Jul-14		Actual Work bar																																							
400	PPRJ.100	Engineering Major Foundations DWG's	1.8	12-May-14 A	23-Jul-14		Actual Work bar																																							
401	PPRJ.110	Engineering Electrical One Line DWG's	1.9	12-May-14 A	23-Jul-14		Actual Work bar																																							
402	PPRJ.120	Engineering P&ID DWG's	1.9	12-May-14 A	23-Jul-14		Actual Work bar																																							
403	PPRJ.130	Engineering Control Architecture DWG's	1.9	12-May-14 A	23-Jul-14		Actual Work bar																																							

█ Actual Work      ◆ Milestone  
█ Remaining Work      ── Summary  
█ Critical Remaining Work

100 MW Combustion Turbine (Integrated)...



# 100 MW Combustion Turbine Project

22-Jul-14

#	Activity ID	Activity Name	Remaining Duration	Start	Finish	Calendar																																								
						14				June 2014				July 2014				August 2014				S				October 2014				N				D				January 2015				F				
						8	25	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25	01	08	15	22
404	PPRJ.170	Black Start & CT Starting Motor Specs & Emission Data	12.4	19-May-14 A	07-Aug-14	[Gantt Bar: 19-May-14 to 07-Aug-14]																																								
405	PPRJ.70	Power Performance Curve	22.5	22-Jul-14*	21-Aug-14	[Gantt Bar: 22-Jul-14 to 21-Aug-14]																																								
406	PPRJ.150	Spare Parts Proposal	22.5	22-Jul-14*	21-Aug-14	[Gantt Bar: 22-Jul-14 to 21-Aug-14]																																								
407	PPRJ.30	Turnover Documentation	41.4	08-May-14 A	18-Sep-14	[Gantt Bar: 08-May-14 to 18-Sep-14]																																								
408	<b>Nalcor</b>		2.5	01-May-14 A	24-Jul-14	[Summary Bar: 01-May-14 to 24-Jul-14]																																								
409	PPRJ.250	Coordination Study Data Points	0.0	02-May-14 A	05-May-14 A	[Gantt Bar: 02-May-14 to 05-May-14]																																								
410	PPRJ.240	Soil Resistivity Report	0.0	01-May-14 A	05-May-14 A	[Gantt Bar: 01-May-14 to 05-May-14]																																								
411	PPRJ.310	Ground Grid Connection Points	0.0	05-May-14 A	07-May-14 A	[Gantt Bar: 05-May-14 to 07-May-14]																																								
412	PPRJ.330	Document Detailing Interconnection Points Btwn Nalcor & PES	0.0	02-May-14 A	07-May-14 A	[Gantt Bar: 02-May-14 to 07-May-14]																																								
413	PPRJ.220	Demin Water Analysis	0.0	05-May-14 A	08-May-14 A	[Gantt Bar: 05-May-14 to 08-May-14]																																								
414	PPRJ.260	Fire Interconnection Point Size Details	0.0	02-May-14 A	16-May-14 A	[Gantt Bar: 02-May-14 to 16-May-14]																																								
415	PPRJ.280	Copy of Nalcor Change Order Program	0.0	02-May-14 A	21-May-14 A	[Gantt Bar: 02-May-14 to 21-May-14]																																								
416	PPRJ.290	RFI Process	0.0	02-May-14 A	21-May-14 A	[Gantt Bar: 02-May-14 to 21-May-14]																																								
417	PPRJ.270	Subcontractor Requirements @ Plant Site	0.0	02-May-14 A	03-Jun-14 A	[Gantt Bar: 02-May-14 to 03-Jun-14]																																								
418	PPRJ.320	Confirmation of Required Protection Scheme for the 13.8kV Feed Back	1.2	29-May-14 A	23-Jul-14	[Gantt Bar: 29-May-14 to 23-Jul-14]																																								
419	PPRJ.230	Finalized Site Survey/Geotech Report	2.0	07-May-14 A	23-Jul-14*	[Gantt Bar: 07-May-14 to 23-Jul-14]																																								
420	PPRJ.340	Project Close-Out Documentation & Program Outline	2.1	02-May-14 A	24-Jul-14	[Gantt Bar: 02-May-14 to 24-Jul-14]																																								
421	PPRJ.300	Remote Operation/Communications Requirements	2.5	22-Jul-14	24-Jul-14	[Gantt Bar: 22-Jul-14 to 24-Jul-14]																																								
422	<b>Pre EPC</b>		1.2	07-May-14 A	23-Jul-14	[Summary Bar: 07-May-14 to 23-Jul-14]																																								
423	PEPC.10	Geotechnical Report in Turnaround Area, Site Survey & Verification of Tie Ins	1.2	07-May-14 A	23-Jul-14*	[Gantt Bar: 07-May-14 to 23-Jul-14]																																								
424	<b>Engineering</b>		52.5	12-May-14 A	03-Oct-14	[Summary Bar: 12-May-14 to 03-Oct-14]																																								
425	<b>Engineering</b>		52.5	12-May-14 A	03-Oct-14	[Summary Bar: 12-May-14 to 03-Oct-14]																																								
426	ENG.01330	SPEC - SUBMITTAL PROCEDURES	0.0	09-Jun-14 A	23-Jun-14 A	[Gantt Bar: 09-Jun-14 to 23-Jun-14]																																								
427	ENG.20655	SPECIALTY ITEM LIST	10.0	22-Jul-14*	04-Aug-14	[Gantt Bar: 22-Jul-14 to 04-Aug-14]																																								
428	<b>Structural/Civil</b>		52.5	12-May-14 A	03-Oct-14	[Summary Bar: 12-May-14 to 03-Oct-14]																																								
429	<b>Specifications</b>		4.2	06-Jun-14 A	28-Jul-14	[Summary Bar: 06-Jun-14 to 28-Jul-14]																																								
430	ENG.01090	SPEC - PROJECT SITE CONDITIONS	0.0	09-Jun-14 A	23-Jun-14 A	[Gantt Bar: 09-Jun-14 to 23-Jun-14]																																								
431	ENG.03300	SPEC - CAST-IN-PLACE CONCRETE	0.0	26-Jun-14 A	07-Jul-14 A	[Gantt Bar: 26-Jun-14 to 07-Jul-14]																																								
432	ENG.13125	SPEC - PRE-ENGINEERED BUILDINGS	4.2	06-Jun-14 A	28-Jul-14	[Gantt Bar: 06-Jun-14 to 28-Jul-14]																																								
433	<b>Drawings</b>		52.5	12-May-14 A	03-Oct-14	[Summary Bar: 12-May-14 to 03-Oct-14]																																								
434	ENG.SDC	STRUCTURAL DESIGN CRITERIA	2.5	15-Jul-14 A	24-Jul-14	[Gantt Bar: 15-Jul-14 to 24-Jul-14]																																								
435	<b>Boring, Grading &amp; Drainage</b>		47.3	12-May-14 A	26-Sep-14	[Summary Bar: 12-May-14 to 26-Sep-14]																																								
436	ENG.C00-00-002	SURVEY CONTROL	0.0	12-May-14 A	30-May-14 A	[Gantt Bar: 12-May-14 to 30-May-14]																																								
437	ENG.C00-00-004	RETAINING WALL LAYOUT AND ALIGNMENT PLAN AND SECTION	2.8	14-Jul-14 A	24-Jul-14	[Gantt Bar: 14-Jul-14 to 24-Jul-14]																																								
438	ENG.C00-00-009	UTILITY PLANS	7.8	12-May-14 A	31-Jul-14	[Gantt Bar: 12-May-14 to 31-Jul-14]																																								
439	ENG.C00-00-003	OVERALL LAYOUT AND ALIGNMENT PLAN	8.0	12-May-14 A	31-Jul-14	[Gantt Bar: 12-May-14 to 31-Jul-14]																																								
440	ENG.C00-00-005	SITE GRADING AND DRAINAGE PLAN	12.4	06-Jun-14 A	07-Aug-14	[Gantt Bar: 06-Jun-14 to 07-Aug-14]																																								
441	ENG.C00-00-006	PROFILE DRAWING	22.8	06-Jun-14 A	21-Aug-14	[Gantt Bar: 06-Jun-14 to 21-Aug-14]																																								
442	ENG.C00-00-007	CROSS SECTIONS	41.6	12-May-14 A	18-Sep-14	[Gantt Bar: 12-May-14 to 18-Sep-14]																																								
443	ENG.C00-00-001	CIVIL COVER SHEET/LEGEND & NOTES	47.3	19-May-14 A	26-Sep-14	[Gantt Bar: 19-May-14 to 26-Sep-14]																																								
444	<b>Buildings</b>		10.0	06-Jun-14 A	04-Aug-14	[Summary Bar: 06-Jun-14 to 04-Aug-14]																																								
445	ENG.10210	SPEC - HVAC	1.8	07-Jul-14 A	23-Jul-14	[Gantt Bar: 07-Jul-14 to 23-Jul-14]																																								
446	ENG.B00-00-001	TYPICAL WALL DETAILS AND NOTES	10.0	22-Jul-14*	04-Aug-14	[Gantt Bar: 22-Jul-14 to 04-Aug-14]																																								
447	ENG.B00-00-002	TYPICAL DOOR, WINDOW AND LOUVER DETAILS	10.0	22-Jul-14*	04-Aug-14	[Gantt Bar: 22-Jul-14 to 04-Aug-14]																																								
448	<b>CTG Building</b>		4.0	06-Jun-14 A	25-Jul-14	[Summary Bar: 06-Jun-14 to 25-Jul-14]																																								

- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone
- Summary

100 MW Combustion Turbine (Integrated)...

# 100 MW Combustion Turbine Project

22-Jul-14

#	Activity ID	Activity Name	Remaining Duration	Start	Finish	Calendar																																								
						14	June 2014	July 2014	August 2014	S	October 2014	N	D	January 2015	F																															
						8	25	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25	01	08	15	22
449	ENG.B00-01-001	COMBUSTION TURBINE BUILDING FLOOR PLAN & SCHEDULES	4.0	06-Jun-14 A	25-Jul-14	[Gantt bar: 06-Jun-14 A to 25-Jul-14]																																								
450	ENG.B00-01-002	COMBUSTION TURBINE BUILDING ELEVATIONS	4.0	06-Jun-14 A	25-Jul-14	[Gantt bar: 06-Jun-14 A to 25-Jul-14]																																								
451	<b>BOP Electrical Building</b>		7.2	15-Jul-14 A	31-Jul-14	[Summary bar: 15-Jul-14 A to 31-Jul-14]																																								
452	ENG.B00-04-001	ELECTRICAL ROOM MASONARY BUILDING PLANS AND DETAILS	7.2	15-Jul-14 A	31-Jul-14	[Gantt bar: 15-Jul-14 A to 31-Jul-14]																																								
453	ENG.B00-04-002	ELECTRICAL ROOM MASONARY BUILDING ROOF PLANS AND DETAILS	7.2	15-Jul-14 A	31-Jul-14	[Gantt bar: 15-Jul-14 A to 31-Jul-14]																																								
454	<b>Civil</b>		52.5	12-May-14 A	03-Oct-14	[Summary bar: 12-May-14 A to 03-Oct-14]																																								
455	ENG.F00-00-001	FOUNDATION LOCATION PLAN	26.4	02-Jun-14 A	27-Aug-14	[Gantt bar: 02-Jun-14 A to 27-Aug-14]																																								
456	ENG.C00-00-008	CIVIL DETAILS	52.5	12-May-14 A	03-Oct-14	[Gantt bar: 12-May-14 A to 03-Oct-14]																																								
457	<b>CTG</b>		8.0	12-May-14 A	31-Jul-14	[Summary bar: 12-May-14 A to 31-Jul-14]																																								
458	ENG.F00-01-001	COMBUSTION TURBINE FOUNDATION PLAN	0.0	12-May-14 A	29-May-14 A	[Gantt bar: 12-May-14 A to 29-May-14 A]																																								
459	ENG.F00-01-002	COMBUSTION TURBINE FOUNDATION PARTIAL PLAN	0.0	12-May-14 A	29-May-14 A	[Gantt bar: 12-May-14 A to 29-May-14 A]																																								
460	ENG.F00-01-003	COMBUSTION TURBINE FOUNDATION PLAN AND DETAILS	0.0	12-May-14 A	29-May-14 A	[Gantt bar: 12-May-14 A to 29-May-14 A]																																								
461	ENG.F00-01-004	COMBUSTION TURBINE FOUNDATION SECTIONS	0.0	12-May-14 A	29-May-14 A	[Gantt bar: 12-May-14 A to 29-May-14 A]																																								
462	ENG.F00-01-005	COMBUSTION TURBINE FOUNDATION SECTIONS AND DETAILS	0.0	12-May-14 A	29-May-14 A	[Gantt bar: 12-May-14 A to 29-May-14 A]																																								
463	ENG.F00-00-002	COMBUSTION TURBINE FOUNDATION GENERAL NOTES	0.0	12-May-14 A	17-Jun-14 A	[Gantt bar: 12-May-14 A to 17-Jun-14 A]																																								
464	ENG.F00-01-006	COMBUSTION TURBINE FOUNDATION ANCHOR ROD SCHEDULE AND D	0.0	12-May-14 A	17-Jun-14 A	[Gantt bar: 12-May-14 A to 17-Jun-14 A]																																								
465	ENG.CTG-FDN	COMBUSTION TURBINE FOUNDATION DESIGN CALCULATION	3.9	12-May-14 A	25-Jul-14	[Gantt bar: 12-May-14 A to 25-Jul-14]																																								
466	ENG.F00-10-001	COMBUSTION TURBINE AUX EQUIPMENT FOUNDATION PLANS	4.5	14-Jul-14 A	28-Jul-14	[Gantt bar: 14-Jul-14 A to 28-Jul-14]																																								
467	ENG.F00-01-007	COMBUSTION TURBINE STACK FOUNDATION PLANS SECTIONS AND DE	6.0	16-Jun-14 A	29-Jul-14	[Gantt bar: 16-Jun-14 A to 29-Jul-14]																																								
468	ENG.F00-01-008	COMBUSTION TURBINE INLET FILTER AND DUCT FOUNDATION PLAN @	8.0	16-Jun-14 A	31-Jul-14	[Gantt bar: 16-Jun-14 A to 31-Jul-14]																																								
469	ENG.F00-01-009	COMBUSTION TURBINE INLET FILTER AND DUCT FOUNDATION SECTIO	8.0	16-Jun-14 A	31-Jul-14	[Gantt bar: 16-Jun-14 A to 31-Jul-14]																																								
470	<b>GSU</b>		0.0	12-May-14 A	18-Jul-14 A	[Summary bar: 12-May-14 A to 18-Jul-14 A]																																								
471	ENG.F00-02-001	GSU TRANSFORMER FOUNDATION AND ANCHOR BOLT PLAN	0.0	12-May-14 A	27-Jun-14 A	[Gantt bar: 12-May-14 A to 27-Jun-14 A]																																								
472	ENG.F00-02-002	GSU TRANSFORMER FOUNDATION SECTIONS & DETAILS	0.0	12-May-14 A	27-Jun-14 A	[Gantt bar: 12-May-14 A to 27-Jun-14 A]																																								
473	ENG.F00-02-003	GSU TRANSFORMER FOUNDATION SECTIONS & DETAILS	0.0	12-May-14 A	27-Jun-14 A	[Gantt bar: 12-May-14 A to 27-Jun-14 A]																																								
474	ENG.GSU-FDN	GSU FOUNDATION DESIGN CALCULATIONS	0.0	02-Jun-14 A	18-Jul-14 A	[Gantt bar: 02-Jun-14 A to 18-Jul-14 A]																																								
475	<b>Buildings</b>		30.8	12-May-14 A	03-Sep-14	[Summary bar: 12-May-14 A to 03-Sep-14]																																								
476	ENG.C00-00-010	BUILDING EXCAVATION PLAN AND SECTION	0.0	12-May-14 A	17-Jun-14 A	[Gantt bar: 12-May-14 A to 17-Jun-14 A]																																								
477	ENG.F00-03-003	COMBUSTION TURBINE BLDG EQUIPMENT FOUNDATION PADS PLANS /	4.5	07-Jul-14 A	28-Jul-14	[Gantt bar: 07-Jul-14 A to 28-Jul-14]																																								
478	ENG.F00-03-001	COMBUSTION TURBINE BLDG FND PLAN, SECTIONS AND DETAILS	5.1	27-Jun-14 A	29-Jul-14	[Gantt bar: 27-Jun-14 A to 29-Jul-14]																																								
479	ENG.F00-03-002	COMBUSTION TURBINE BLDG SLAB PLAN SECTIONS	5.4	07-Jul-14 A	29-Jul-14	[Gantt bar: 07-Jul-14 A to 29-Jul-14]																																								
480	ENG.WTB-FDN	WATER TREATMENT BUILDING FOUNDATION DESIGN CALCULATIONS	6.0	22-Jul-14*	29-Jul-14	[Gantt bar: 22-Jul-14* to 29-Jul-14]																																								
481	ENG.F00-06-001	UNLOADING FUEL PUMP AND TRUCK AREA FOUNDATION PLAN SECTIO	8.0	07-Jul-14 A	31-Jul-14	[Gantt bar: 07-Jul-14 A to 31-Jul-14]																																								
482	ENG.F00-06-004	FUEL UNLOADING SHED EQUIPMENT FDN PADS - PLAN AND PIPE CONCI	10.2	14-Jul-14 A	05-Aug-14	[Gantt bar: 14-Jul-14 A to 05-Aug-14]																																								
483	ENG.C00-00-013	COMBUSTION TURBINE BUILDING FLOOR DRAIN PIPING PLAN	11.0	22-Jul-14*	05-Aug-14	[Gantt bar: 22-Jul-14* to 05-Aug-14]																																								
484	ENG.FUEL-SHE	FUEL UNLOADING FOUNDATION DESIGN CALCULATIONS	18.8	16-Jun-14 A	15-Aug-14	[Gantt bar: 16-Jun-14 A to 15-Aug-14]																																								
485	ENG.F00-06-002	UNLOADING FUEL PUMP AND TRUCK AREA CONCRETE SLAB PLAN SEC	30.8	12-May-14 A	03-Sep-14	[Gantt bar: 12-May-14 A to 03-Sep-14]																																								
486	ENG.F00-06-003	UNLOADING FUEL PUMP AND TRUCK AREA CONCRETE SLAB PLAN SEC	30.8	12-May-14 A	03-Sep-14	[Gantt bar: 12-May-14 A to 03-Sep-14]																																								
487	<b>Raw Water Tanks</b>		10.0	22-Jul-14	04-Aug-14	[Summary bar: 22-Jul-14 to 04-Aug-14]																																								
488	ENG.TANK_FDI	WATER TANK FOUNDATION DESIGN CALCULATIONS	10.0	22-Jul-14*	04-Aug-14	[Gantt bar: 22-Jul-14* to 04-Aug-14]																																								
489	<b>Demineralized Water Tanks</b>		8.0	07-Jul-14 A	31-Jul-14	[Summary bar: 07-Jul-14 A to 31-Jul-14]																																								
490	ENG.F00-05-002	DEMIN WATER STORAGE TANK & TYP. LIGHT POST FDN PLAN, SECTION	8.0	07-Jul-14 A	31-Jul-14	[Gantt bar: 07-Jul-14 A to 31-Jul-14]																																								
491	<b>Cable Tray/Pipe Supports</b>		6.3	14-Jul-14 A	30-Jul-14	[Summary bar: 14-Jul-14 A to 30-Jul-14]																																								
492	ENG.F00-09-001	MISC. PIPE SUPPORT FDNS	5.4	14-Jul-14 A	29-Jul-14	[Gantt bar: 14-Jul-14 A to 29-Jul-14]																																								
493	ENG.F00-09-002	MISC. PIPE SUPPORT DETAILS	6.3	14-Jul-14 A	30-Jul-14	[Gantt bar: 14-Jul-14 A to 30-Jul-14]																																								

█ Actual Work      ◆ Milestone  
█ Remaining Work      ▼ Summary  
█ Critical Remaining Work

100 MW Combustion Turbine (Integrated)...

# 100 MW Combustion Turbine Project

22-Jul-14

#	Activity ID	Activity Name	Remaining Duration	Start	Finish	100 MW Combustion Turbine Project																																								
						14	June 2014	July 2014	August 2014	S	October 2014	N	D	January 2015	F																															
						8	25	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25	01	08	15	22
494	<b>Black Start Generator</b>		11.0	22-Jul-14	05-Aug-14																																									
495	ENG.F00-14-001	EMERGENCY AND STARTUP GENERATOR FOUNDATION PLAN, SECTION	11.0	22-Jul-14*	05-Aug-14																																									
496	<b>Aux. Transformer</b>		12.2	14-Jul-14 A	07-Aug-14																																									
497	ENG.F00-17-001	AUX TRANSFORMER FOUNDATION PLAN, SECTIONS AND DETAILS	0.0	14-Jul-14 A	17-Jul-14 A																																									
498	ENG.F00-17-002	AUX TRANSFORMER MASONRY WALL SECTIONS AND DETAILS	12.2	22-Jul-14*	07-Aug-14																																									
499	<b>Liquid Fuel</b>		15.0	12-May-14 A	11-Aug-14																																									
500	ENG.C00-00-011	FUEL STORAGE TANK AREA EXCAVATION PLAN	0.0	12-May-14 A	23-Jun-14 A																																									
501	ENG.C00-00-012	PLAN EARTH DYKE AND TANK LAYOUT, CROSS-SECTIONS, AND DETAILS	0.0	20-Jun-14 A	30-Jun-14 A																																									
502	ENG.F00-16-001	FOUNDATION FOR PUMPS & PIPE SUPPORT STRUCTURES & MISC. COI	15.0	22-Jul-14*	11-Aug-14																																									
503	<b>Liquid Fuel Tanks</b>		0.0	12-May-14 A	18-Jul-14 A																																									
504	ENG.F00-07-001	LIQUID FUEL TANK FOUNDATIONS PLAN, SECTIONS & DETAILS	0.0	12-May-14 A	26-Jun-14 A																																									
505	ENG.F00-07-002	LIQUID FUEL TANK FOUNDATION	0.0	12-May-14 A	27-Jun-14 A																																									
506	ENG.TANK_FN	OIL TANK FOUNDATION DESIGN - CALCULATIONS	0.0	15-Jul-14 A	18-Jul-14 A																																									
507	<b>Liquid Fuel Offloading</b>		2.5	14-Jul-14 A	24-Jul-14																																									
508	ENG.B00-03-001	UNLOADING FUEL PUMP BUILDING PLANS, SECTIONS & ELEVATION	2.5	14-Jul-14 A	24-Jul-14																																									
509	<b>Structural</b>		14.0	15-Jul-14 A	08-Aug-14																																									
510	<b>Cable Tray/Pipe Supports</b>		14.0	15-Jul-14 A	08-Aug-14																																									
511	ENG.S00-00-001	GENERAL STEEL NOTES	0.0	15-Jul-14 A	18-Jul-14 A																																									
512	ENG.S00-01-001	ABOVE GRADE PIPE/CABLE TRAY SUPPORT STRUCTURE PLAN, SECTIO	14.0	22-Jul-14*	08-Aug-14																																									
513	ENG.S00-01-002	ABOVE GRADE PIPE/CABLE TRAY SUPPORT STRUCTURE SECTIONS & I	14.0	22-Jul-14*	08-Aug-14																																									
514	<b>Mechanical/Piping</b>		29.5	12-May-14 A	02-Sep-14																																									
515	<b>Specifications</b>		9.0	02-Jun-14 A	01-Aug-14																																									
516	ENG.15026	SPEC - PAINTING	3.6	07-Jul-14 A	25-Jul-14																																									
517	ENG.15050	SPEC - MECHANICAL METHODS AND MATERIALS	6.3	16-Jul-14 A	30-Jul-14																																									
518	<b>Systems</b>		9.0	09-Jun-14 A	01-Aug-14																																									
519	ENG.11722	SPEC - WATER TREATMENT	0.0	09-Jun-14 A	18-Jul-14 A																																									
520	ENG.11335	SPEC - AIR COMPRESSOR	1.3	16-Jun-14 A	23-Jul-14																																									
521	ENG.11310	SPEC - CENTRIFUGAL PUMP	3.9	26-Jun-14 A	25-Jul-14																																									
522	ENG.02300	SPEC - TRENCHING FOR UNDERGROUND PIPING	6.0	22-Jul-14*	29-Jul-14																																									
523	ENG.11730	SPEC - OIL/WATER SEPARATOR	9.0	22-Jul-14*	01-Aug-14																																									
524	<b>Cathodic Protection</b>		9.0	22-Jul-14	01-Aug-14																																									
525	ENG.15053	SPEC - CATHODIC PROTECTION	9.0	22-Jul-14*	01-Aug-14																																									
526	<b>Piping</b>		9.0	16-Jun-14 A	01-Aug-14																																									
527	ENG.15101	SPEC - PIPE MATERIAL	6.4	16-Jun-14 A	30-Jul-14																																									
528	ENG.20695	SPEC - PIPE SUPPORTS	9.0	22-Jul-14*	01-Aug-14																																									
529	<b>Fire Protection</b>		8.1	18-Jul-14 A	01-Aug-14																																									
530	ENG.15310	SPEC - FIRE ALARM AND DETECTION	8.1	18-Jul-14 A	01-Aug-14																																									
531	<b>Field Erected Tanks</b>		0.0	02-Jun-14 A	21-Jul-14 A																																									
532	ENG.11510	SPEC - FIELD ERECTED TANKS	0.0	02-Jun-14 A	21-Jul-14 A																																									
533	<b>Shop Fabricated Tanks</b>		0.0	02-Jun-14 A	21-Jul-14 A																																									
534	ENG.11520	SPEC - SHOP FABRICATED TANKS	0.0	02-Jun-14 A	21-Jul-14 A																																									
535	<b>Drawings</b>		29.5	12-May-14 A	02-Sep-14																																									
536	<b>Mechanical</b>		4.3	17-Jun-14 A	28-Jul-14																																									
537	ENG.M401	MATERIALS LIST - AIR COMPRESSORS, AIR RECEIVERS & DESICCANT A	0.0	17-Jun-14 A	14-Jul-14 A																																									
538	ENG.20653	EQUIPMENT LIST	3.4	27-Jun-14 A	25-Jul-14																																									

- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone
- Summary

100 MW Combustion Turbine Project

22-Jul-14

#	Activity ID	Activity Name	Remaining Duration	Start	Finish																																																									
						14	June 2014							July 2014							August 2014							September 2014							October 2014							November 2014							December 2014							January 2015						
						8	25	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	04	11	18	25	01	08	15	22																													
539	ENG.20652	LINE LIST	4.3	27-Jun-14 A	28-Jul-14																																																									
540	ENG.20654	VALVE LIST	4.3	27-Jun-14 A	28-Jul-14																																																									
541	<b>General Arrangements</b>		29.5	12-May-14 A	02-Sep-14																																																									
542	ENG.M00-20-002	MECHANICAL LAYOUT FUEL OIL TANK	0.0	02-Jun-14 A	14-Jul-14 A																																																									
543	ENG.M00-20-001	MECHANICAL LAYOUT - DEMINERALIZED WATER TANK	0.0	16-May-14 A	14-Jul-14 A																																																									
544	ENG.M00-01-005	GENERAL ARRANGEMENT - FUEL UNLOADING AND STORAGE	7.0	15-Jul-14 A	30-Jul-14																																																									
545	ENG.M00-01-004	GENERAL ARRANGEMENT - FUEL UNLOADING AND STORAGE AREA	15.3	12-May-14 A	12-Aug-14																																																									
546	ENG.M00-01-006	GENERAL ARRANGEMENT - GSU AREA	15.3	12-May-14 A	12-Aug-14																																																									
547	ENG.M00-01-001	GENERAL ARRANGEMENT - KEY PLAN	20.4	12-May-14 A	19-Aug-14																																																									
548	ENG.M00-01-002	GENERAL ARRANGEMENT - CTG AREA	20.4	12-May-14 A	19-Aug-14																																																									
549	ENG.M00-01-003	GENERAL ARRANGEMENT - WATER TREATMENT AREA	20.4	12-May-14 A	19-Aug-14																																																									
550	ENG.M00-01-007	GENERAL ARRANGEMENT - ELEVATION - CTG AREA	29.5	12-May-14 A	02-Sep-14																																																									
551	ENG.M00-01-008	GENERAL ARRANGEMENT - ELEVATION - CTG AREA	29.5	12-May-14 A	02-Sep-14																																																									
552	<b>P&amp;ID's</b>		17.1	12-May-14 A	14-Aug-14																																																									
553	ENG.P00-02-001	P&ID - SYMBOLS, ABBREVIATIONS, INDEX	8.6	12-May-14 A	01-Aug-14																																																									
554	ENG.P00-02-002	P&ID-INSTRUMENT SYMBOLS AND LEGEND	8.6	12-May-14 A	01-Aug-14																																																									
555	ENG.P00-02-003	P&ID- STANDARD DETAILS	8.6	12-May-14 A	01-Aug-14																																																									
556	ENG.P00-02-004	P&ID - LIQUID FUEL HANDLING	8.6	12-May-14 A	01-Aug-14																																																									
557	ENG.P00-02-004	P&ID - LIQUID FUEL HANDLING	8.6	12-May-14 A	01-Aug-14																																																									
558	ENG.P00-02-006	P&ID- RAW WATER SYSTEM	8.6	12-May-14 A	01-Aug-14																																																									
559	ENG.P00-02-009	P&ID - SERVICE/INSTRUMENT AIR	8.6	12-May-14 A	01-Aug-14																																																									
560	ENG.P00-02-009	P&ID - SERVICE/INSTRUMENT AIR	8.6	12-May-14 A	01-Aug-14																																																									
561	ENG.P00-02-010	P&ID - PLANT DRAIN/ WASTEWATER SYSTEM	9.0	22-Jul-14*	01-Aug-14																																																									
562	ENG.P00-02-008	P&ID - DEMINERALIZED WATER SYSTEM	9.2	02-Jun-14 A	04-Aug-14																																																									
563	ENG.P00-02-012	P&ID - FIRE PROTECTION	17.1	02-Jun-14 A	14-Aug-14																																																									
564	<b>Piping</b>		16.0	02-Jun-14 A	12-Aug-14																																																									
565	<b>Plans &amp; Sections</b>		16.0	15-Jul-14 A	12-Aug-14																																																									
566	ENG.P00-30-010	UNDERGROUND PIPING SECTION & DETAILS	4.0	22-Jul-14*	25-Jul-14																																																									
567	ENG.FireWaterT	FIRE WATER TIE-IN MARK-UP (A1-238-04-0170-016)	6.0	15-Jul-14 A	29-Jul-14																																																									
568	ENG.P00-30-009	PIPING PLAN & SECTIONS - AUXILIARY SKIDS COMBUSTION TURBINE	16.0	22-Jul-14*	12-Aug-14																																																									
569	<b>Underground</b>		4.0	22-Jul-14	25-Jul-14																																																									
570	ENG.P00-30-002	UNDERGROUND PIPING - CTG AREA	4.0	22-Jul-14*	25-Jul-14																																																									
571	<b>Isometrics</b>		15.0	02-Jun-14 A	11-Aug-14																																																									
572	ENG.P00-20-007	PIPING ISOMETRIC - DI WATER	6.0	02-Jun-14 A	29-Jul-14																																																									
573	ENG.P00-20-001	PIPING ISOMETRIC - LIQUID FUEL TRUCK UNLOADING	7.8	23-Jun-14 A	31-Jul-14																																																									
574	ENG.P00-20-002	PIPING ISOMETRIC - LIQUID FUEL STORAGE AREA	7.8	23-Jun-14 A	31-Jul-14																																																									
575	ENG.P00-20-003	PIPING ISOMETRIC - VENTS	15.0	22-Jul-14*	11-Aug-14																																																									
576	ENG.P00-20-004	PIPING ISOMETRIC - DRAINS	15.0	22-Jul-14*	11-Aug-14																																																									
577	ENG.P00-20-005	PIPING ISOMETRIC - WASTE WATER	15.0	22-Jul-14*	11-Aug-14																																																									
578	ENG.P00-20-006	PIPING ISOMETRIC - FIRE PROTECTION	15.0	22-Jul-14*	11-Aug-14																																																									
579	<b>Electrical</b>		41.5	12-May-14 A	18-Sep-14																																																									
580	<b>Specifications</b>		16.3	27-May-14 A	13-Aug-14																																																									
581	ENG.16281	SPEC-GENERATOR CIRCUIT BREAKER - SEIMENS	0.0	27-May-14 A	20-Jun-14 A																																																									
582	ENG.16121	SPEC - WIRE AND CABLE	0.0	16-Jun-14 A	27-Jun-14 A																																																									
583	ENG.16321	SPEC - AUX TRANSFORMER 13.8KV-4.160kV	0.0	02-Jun-14 A	27-Jun-14 A																																																									

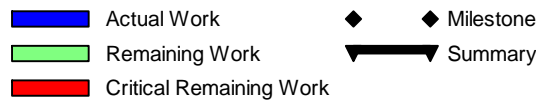
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone
- Summary



# 100 MW Combustion Turbine Project

22-Jul-14

#	Activity ID	Activity Name	Remaining Duration	Start	Finish	June 2014			July 2014			August 2014			September 2014			October 2014			November 2014			December 2014			January 2015		
						14	15	16	22	23	24	30	31	01	08	09	10	17	18	19	26	27	28	04	05	06	13	14	15
584	ENG.16322	SPEC - AUX TRANSFORMER 4.160kV-480V	0.0	09-Jun-14 A	27-Jun-14 A																								
585	ENG.16481	SPEC - ELECTRIC MOTORS 600V AND BELOW	0.0	02-Jun-14 A	09-Jul-14 A																								
586	ENG.16283	SPEC-13.8KV FAULT CURRENT LIMITER	0.0	30-May-14 A	18-Jul-14 A																								
587	ENG.16447	SPEC - 480 VOLT MOTOR CONTROL CENTER	2.0	23-Jun-14 A	23-Jul-14																								
588	ENG.11250	SPEC - EMERGENCY START GENERATOR	2.3	02-Jun-14 A	24-Jul-14																								
589	ENG.16282	SPEC-GENERATOR CIRCUIT BREAKER - CENTAUR	3.2	07-Jul-14 A	25-Jul-14																								
590	ENG.16630	SPEC - BATTERY AND CHARGER	4.0	07-Jul-14 A	25-Jul-14																								
591	ENG.16055	SPEC - BASIC ELECTRICAL METHODS AND MATERIALS	5.1	14-Jun-14 A	29-Jul-14																								
592	ENG.16441	SPEC - 480V SWITCHGEAR	8.8	09-Jun-14 A	01-Aug-14																								
593	ENG.16283-ADD-1	FAULT CURRENT LIMITER SPECIFICATION ADDENDUM NO. 1	10.0	22-Jul-14*	04-Aug-14																								
594	ENG.16116	SPEC-ISOLATED PHASE BUS	12.8	30-May-14 A	07-Aug-14																								
595	ENG.16610	SPEC - UNINTERRUPTIBLE POWER SUPPLY	15.4	09-Jun-14 A	12-Aug-14																								
596	ENG.GCB-ENCLC	SPEC - 13.8KV SWITCHGEAR POWERCON ENCLOSURE	16.3	27-May-14 A	13-Aug-14																								
597	<b>Drawings</b>		41.5	12-May-14 A	18-Sep-14																								
598	ENG.RPT-ELEC-1	REPORT - ELECTRICAL OPERATING DESCRIPTION	0.0	19-May-14 A	27-Jun-14 A																								
599	ENG.16221-EVAL	GSU TECHNICAL EVALUATION	0.0	07-Jul-14 A	14-Jul-14 A																								
600	ENG.RPT-GSU-P	GSU TRANSFORMER EXPOSURE PROTECTION REPORT	0.0	16-Jun-14 A	18-Jul-14 A																								
601	ENG.16121-ADD-1	WIRE AND CABLE SPECIFICATION ADDENDUM NO. 1	0.0	15-Jul-14 A	18-Jul-14 A																								
602	ENG.11250-STUD	BLACK START STUDY	1.0	07-Jul-14 A	22-Jul-14																								
603	ENG.RPT-ELEC-3	RELAY DESIGN DESCRIPTION	2.0	15-Jul-14 A	23-Jul-14																								
604	ENG.E00-51-001	CABLE SCHEDULE	2.4	27-Jun-14 A	24-Jul-14																								
605	ENG.E00-27-001	ELECTRICAL ROOM LAYOUT	5.0	02-Jun-14 A	28-Jul-14																								
606	ENG.STDY-ELEC	STUDY - ELECTRICAL GROUNDING ANALYSIS	6.5	15-Jul-14 A	30-Jul-14																								
607	ENG.E00-51-002	CONDUIT, CABLE TRENCH AND TRAY SCHEDULE	7.0	30-Jun-14 A	30-Jul-14																								
608	ENG.STDY-ELEC	STUDY - LIGHTNING PROTECTION ANALYSIS	10.3	27-Jun-14 A	05-Aug-14																								
609	ENG.RPT-ELEC-2	REPORT - ELECTRICAL BLACK START OPERATING DESCRIPTION	11.8	09-Jun-14 A	06-Aug-14																								
610	ENG.E00-28-300	ELECTRICAL SITE COMMUNICATION PLAN	12.6	07-Jul-14 A	07-Aug-14																								
611	ENG.STDY-ELEC	STUDY- ELECTRICAL SHORT CIRCUIT ANALYSIS	13.0	12-May-14 A	07-Aug-14																								
612	ENG.STDY-ELEC	STUDY - ELECTRICAL CABLE INSULATION ANALYSIS	13.1	23-Jun-14 A	08-Aug-14																								
613	ENG.E00-27-002	COMBUSTION TURBINE BUILDING CABLE TRAY DETAIL AND NOTES	14.0	22-Jul-14*	08-Aug-14																								
614	ENG.E00-52-001	MOTOR/LOAD LIST	34.2	02-Jun-14 A	09-Sep-14																								
615	ENG.STDY-ELEC	STUDY - ELECTRICAL ARC FAULT ANALYSIS	41.5	12-May-14 A	18-Sep-14																								
616	<b>One-Line Diagrams</b>		12.0	12-May-14 A	06-Aug-14																								
617	ENG.E00-21-001	ELECTRICAL KEY ONE-LINE DIAGRAM/RELAYING	4.7	12-May-14 A	28-Jul-14																								
618	ENG.E00-21-003	ELECTRICAL SINGLE LINE DIAGRAM LOW VOLTAGE SWITCHGEAR	8.5	14-Jun-14 A	01-Aug-14																								
619	ENG.E00-21-004	ELECTRICAL SINGLE LINE DIAGRAM 480V MCC - BOP-MCC-1	12.0	23-Jun-14 A	06-Aug-14																								
620	ENG.E00-21-005	ELECTRICAL SINGLE LINE DIAGRAM 480V MCC - BOP-MCC-2	12.0	23-Jun-14 A	06-Aug-14																								
621	<b>Three-Line Diagrams</b>		12.6	14-Jul-14 A	07-Aug-14																								
622	ENG.E00-21-020	ELECTRICAL THREE LINE DIAGRAM 13.8KV SWITCHGEAR & RELAYING EQUIPMENT	12.6	14-Jul-14 A	07-Aug-14																								
623	ENG.E00-21-021	ELECTRICAL THREE LINE DIAGRAM 13.8KV GENERATOR BREAKER	12.6	14-Jul-14 A	07-Aug-14																								
624	ENG.E00-21-022	ELECTRICAL THREE LINE DIAGRAM 13.8KV LINE CUBICLE	12.6	14-Jul-14 A	07-Aug-14																								
625	ENG.E00-21-023	ELECTRICAL THREE LINE DIAGRAM 13.8KV NEUTRAL CUBICLE	12.6	14-Jul-14 A	07-Aug-14																								
626	<b>Interconnect Diagrams</b>		14.0	28-Jul-14	15-Aug-14																								
627	ENG.E00-24-001	ELECTRICAL INTERCONNECTION DIAGRAM WATER TREATMENT SKID	14.0	28-Jul-14*	15-Aug-14																								
628	ENG.E00-24-002	ELECTRICAL INTERCONNECTION DIAGRAM WATER TREATMENT SKID	14.0	28-Jul-14*	15-Aug-14																								



100 MW Combustion Turbine (Integrated)...







100 MW Combustion Turbine Project

22-Jul-14

#	Activity ID	Activity Name	Remaining Duration	Start	Finish	Gantt Chart Grid																																								
						14	June 2014	July 2014	August 2014	S	October 2014	N	D	January 2015	F																															
						8	25	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25	01	08	15	22
719	ENG.265701	SPEC - LOGIC CONTROLLERS FOR MECHANICAL EQUIPMENT	0.0	21-Jun-14 A	10-Jul-14 A	[Gantt Bar]																																								
720	ENG.18010	SPEC - DESIGN & FURNISHING OF INSTRUMENTATION	0.0	24-Jun-14 A	18-Jul-14 A	[Gantt Bar]																																								
721	ENG.18160	SPEC - PROGRAMMABLE LOGIC CONTROLLERS	2.6	16-Jun-14 A	24-Jul-14	[Gantt Bar]																																								
722	ENG.18180	SPEC - I&C METHODS & MATERIALS	4.6	18-Jun-14 A	28-Jul-14	[Gantt Bar]																																								
723	ENG.18140	SPEC - DCS/PAC CONTROL SYSTEM	7.4	16-Jun-14 A	31-Jul-14	[Gantt Bar]																																								
724	<b>Data Sheet</b>		1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
725	ENG.18058-006	DS-WAVE GUIDE LEVEL TRANSMITTERS	1.0	24-Jun-14 A	22-Jul-14	[Gantt Bar]																																								
726	ENG.18000-000	DS-DATA SHEET INDEX	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
727	ENG.18053-001	DS-LEVEL SWITCHES	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
728	ENG.18058-001	DS-WAVE GUIDED LEVEL TRANSMITTERS	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
729	ENG.18058-002	DS-WAVE GUIDE LEVEL TRANSMITTERS	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
730	ENG.18058-003	DS-WAVE GUIDE LEVEL TRANSMITTERS	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
731	ENG.18058-004	DS-WAVE GUIDE LEVEL TRANSMITTERS	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
732	ENG.18058-005	DS-WAVE GUIDE LEVEL TRANSMITTERS	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
733	ENG.18061-001	DS-GAUGE PRESSURE TRANSMITTER	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
734	ENG.18061-002	DS-DIFFERENTIAL PRESSURE TRANSMITTER	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
735	ENG.18062-001	DS-PRESSURE GAUGES	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
736	ENG.18062-002	DS-DIFFERENTIAL PRESSURE GAUGES	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
737	ENG.18074-001	DS-MISC INST. RESTRICTION ORIFICES	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
738	ENG.18074-002	DS - MISC. INSTRUMENT - DEMIN WATER REDIRC TO TANK	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
739	ENG.18074-003	DS - MISC INSTRUMENT - FUEL OIL RESTRICTION ORIFICE	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
740	ENG.18074-004	DS - MISC INSTRUMENT - FUEL OIL RESTRICTION ORIFICE	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
741	ENG.18076-001	DS-POSITIVE DISPLACEMENT FLOW METERS	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
742	ENG.18076-002	DS-POSITIVE DISPLACEMENT FLOW METERS	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
743	ENG.18076-003	DS-POSITIVE DISPLACEMENT FLOW METERS	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
744	ENG.18090-001	DS-DIESEL FUEL TANK #1 BLOCK VALVE	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
745	ENG.18090-002	DS-DIESEL FUEL TANK #2 BLOCK VALVE	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
746	ENG.18090-003	DS-TREATED FUEL RECIRC. BLOCK VALVE	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
747	ENG.18090-004	DS-TREATED FUEL TANK BLOCK VALVE	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
748	ENG.18090-005	DS-BLACK START GEN. BLOCK VALVE	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
749	ENG.18091-000	DS-CONTROL VALVE INDEX	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
750	ENG.18091-001	DS-RAW WATER RECIRC. PRESSURE CONTROL VALVE	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
751	ENG.18095-001	DS-MOISTURE ANALYZER	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
752	ENG.18095-002	DS-MOISTURE ANALYZER	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
753	ENG.18127-001	DS - MISC. INSTRUMENT RAW WATER PUMP	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
754	ENG.18127-002	DS - MISC INSTRUMENT - RAW WATER FWD PUMP	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
755	ENG.18127-003	DS - MISC. INSTRUMENT - FUEL UNLOAD PUMP 1 START/STOP	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
756	ENG.18127-004	DS - MISC. INSTRUMENT - FUEL UNLOAD PUMP 2 START/ STOP	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
757	ENG.18127-007	DS - MISC. INSTRUMENT - FUEL TRANSFER PUMP 1	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
758	ENG.18127-008	DS - MISC. INSTRUMENT - FUEL TRANSFER PUMP 2	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
759	ENG.18127-009	DS - MISC. INSTRUMENT - FUEL TRANSFER PUMP 3	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
760	ENG.18127-010	DS - MISC. INSTRUMENT - FUEL TRANSFER PUMP 1	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
761	ENG.18127-013	DS - MISC. INSTRUMENT - FUELOIL TANK 1&2 HIGH LEVEL	1.7	24-Jun-14 A	23-Jul-14	[Gantt Bar]																																								
762	<b>Drawings</b>		23.0	12-May-14 A	22-Aug-14	[Gantt Bar]																																								
763	ENG.I00-01-001	INSTRUMENT INDEX	4.2	20-Jun-14 A	28-Jul-14	[Gantt Bar]																																								

- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone
- Summary

100 MW Combustion Turbine (Integrated)...



#	Activity ID	Activity Name	Remaining Duration	Start	Finish	14	June 2014					July 2014					August 2014					September 2014					October 2014					November 2014					December 2014					January 2015				
						8	25	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	04	11	18	25	01	08	15	22													
764	ENG.I00-09-001	CONTROL SYSTEM ARCHITECTURE	7.4	12-May-14 A	31-Jul-14	[Gantt bar for CONTROL SYSTEM ARCHITECTURE]																																								
765	ENG.I00-01-002	I/O LIST	22.4	01-Jul-14 A	21-Aug-14	[Gantt bar for I/O LIST]																																								
766	ENG.I00-07-CAB1	CONTROL ROOM PLC PANEL ALARMS	9.0	11-Aug-14*	22-Aug-14	[Gantt bar for CONTROL ROOM PLC PANEL ALARMS]																																								
767	<b>Control System Description</b>		23.0	15-Jul-14 A	22-Aug-14	[Summary bar for Control System Description]																																								
768	ENG.18131-001	CSD-DEMIN WATER STORAGE AND TRANSFER SYSTEM	7.2	15-Jul-14 A	31-Jul-14	[Gantt bar for CSD-DEMIN WATER STORAGE AND TRANSFER SYSTEM]																																								
769	ENG.18131-002	CSD-RAW WATER STORAGE AND TRANSFER SYSTEM	8.1	15-Jul-14 A	01-Aug-14	[Gantt bar for CSD-RAW WATER STORAGE AND TRANSFER SYSTEM]																																								
770	ENG.18131-003	CSD-R.O. WATER CONTROL SYSTEM	8.1	15-Jul-14 A	01-Aug-14	[Gantt bar for CSD-R.O. WATER CONTROL SYSTEM]																																								
771	ENG.18131-004	CSD-FUEL CONTROL SYSTEM	8.1	15-Jul-14 A	01-Aug-14	[Gantt bar for CSD-FUEL CONTROL SYSTEM]																																								
772	ENG.18131-005	CSD-INSTRUMENT AIR CONTROL SYSTEM	8.1	15-Jul-14 A	01-Aug-14	[Gantt bar for CSD-INSTRUMENT AIR CONTROL SYSTEM]																																								
773	ENG.18131-000	CSD-INDEX	13.5	15-Jul-14 A	08-Aug-14	[Gantt bar for CSD-INDEX]																																								
774	ENG.18131-006	CSD-WASTE WATER CONTROL SYSTEM	9.0	11-Aug-14*	22-Aug-14	[Gantt bar for CSD-WASTE WATER CONTROL SYSTEM]																																								
775	<b>Functional Control Diagram</b>		8.1	15-Jul-14 A	01-Aug-14	[Summary bar for Functional Control Diagram]																																								
776	ENG.I00-03-000	FCD-DRAWING LEGEND INDEX	8.1	15-Jul-14 A	01-Aug-14	[Gantt bar for FCD-DRAWING LEGEND INDEX]																																								
777	ENG.I00-03-001	FCD-STANDARD MOTOR CONTROL	8.1	15-Jul-14 A	01-Aug-14	[Gantt bar for FCD-STANDARD MOTOR CONTROL]																																								
778	ENG.I00-03-002	FCD-FUEL UNLOADING PUMP	8.1	15-Jul-14 A	01-Aug-14	[Gantt bar for FCD-FUEL UNLOADING PUMP]																																								
779	ENG.I00-03-003	FCD-FUEL OIL SYSTEM	8.1	15-Jul-14 A	01-Aug-14	[Gantt bar for FCD-FUEL OIL SYSTEM]																																								
780	ENG.I00-03-004	FCD-FUEL TRANSFER PUMP	8.1	15-Jul-14 A	01-Aug-14	[Gantt bar for FCD-FUEL TRANSFER PUMP]																																								
781	ENG.I00-03-005	FCD - FUEL FORWARDING PUMPS LOGIC	8.1	15-Jul-14 A	01-Aug-14	[Gantt bar for FCD - FUEL FORWARDING PUMPS LOGIC]																																								
782	ENG.I00-03-006	FCD-RAW/FIRE WATER SYSTEM	8.1	15-Jul-14 A	01-Aug-14	[Gantt bar for FCD-RAW/FIRE WATER SYSTEM]																																								
783	ENG.I00-03-007	FCD-RAW WATER FORWARDING PUMP	8.1	15-Jul-14 A	01-Aug-14	[Gantt bar for FCD-RAW WATER FORWARDING PUMP]																																								
784	ENG.I00-03-008	FCD-R.O. WATER SYSTEM MISC.	8.1	15-Jul-14 A	01-Aug-14	[Gantt bar for FCD-R.O. WATER SYSTEM MISC.]																																								
785	ENG.I00-03-009	FCD-INSTRUMENT AIR MISC.	8.1	15-Jul-14 A	01-Aug-14	[Gantt bar for FCD-INSTRUMENT AIR MISC.]																																								
786	ENG.I00-03-010	FCD-WASTE OIL WASTE WATER SYSTEM	8.1	15-Jul-14 A	01-Aug-14	[Gantt bar for FCD-WASTE OIL WASTE WATER SYSTEM]																																								
787	ENG.I00-03-011	FCD-FIRE PROTECTION MISC.	8.1	15-Jul-14 A	01-Aug-14	[Gantt bar for FCD-FIRE PROTECTION MISC.]																																								
788	ENG.I00-03-012	FCD-PLANT MISC.	8.1	15-Jul-14 A	01-Aug-14	[Gantt bar for FCD-PLANT MISC.]																																								
789	ENG.I00-03-013	FCD - RO CIP PUMP	8.1	15-Jul-14 A	01-Aug-14	[Gantt bar for FCD - RO CIP PUMP]																																								
790	ENG.I00-03-014	FCD - DEMIN WATER	8.1	15-Jul-14 A	01-Aug-14	[Gantt bar for FCD - DEMIN WATER]																																								
791	ENG.I00-03-015	FCD - ELECTRICAL MISC.	8.1	15-Jul-14 A	01-Aug-14	[Gantt bar for FCD - ELECTRICAL MISC.]																																								
792	<b>Graphic Display</b>		1.9	25-Jun-14 A	23-Jul-14	[Summary bar for Graphic Display]																																								
793	ENG.I00-06-001	BOP PROGRAMMABLE CONTROL SYSTEM	1.9	25-Jun-14 A	23-Jul-14	[Gantt bar for BOP PROGRAMMABLE CONTROL SYSTEM]																																								
794	<b>Loop Sheet</b>		9.0	11-Aug-14	22-Aug-14	[Summary bar for Loop Sheet]																																								
795	ENG.I00-07-A17	LS-INSTRUMENT AIR DEW POINT	9.0	11-Aug-14*	22-Aug-14	[Gantt bar for LS-INSTRUMENT AIR DEW POINT]																																								
796	ENG.I00-07-C11	LS-DEMIN WATER CONDUCTIVITY	9.0	11-Aug-14*	22-Aug-14	[Gantt bar for LS-DEMIN WATER CONDUCTIVITY]																																								
797	ENG.I00-07-C23	LS-FULL TANK LEVEL ALARMS	9.0	11-Aug-14*	22-Aug-14	[Gantt bar for LS-FULL TANK LEVEL ALARMS]																																								
798	ENG.I00-07-D030	LS-FUEL UNLOADING PUMP NO.1	9.0	11-Aug-14*	22-Aug-14	[Gantt bar for LS-FUEL UNLOADING PUMP NO.1]																																								
799	ENG.I00-07-D031	LS-FUEL UNLOADING PUMP NO.2	9.0	11-Aug-14*	22-Aug-14	[Gantt bar for LS-FUEL UNLOADING PUMP NO.2]																																								
800	ENG.I00-07-D042	LS-FUEL TRANSFER PUMP NO.1	9.0	11-Aug-14*	22-Aug-14	[Gantt bar for LS-FUEL TRANSFER PUMP NO.1]																																								
801	ENG.I00-07-D043	LS-FUEL TRANSFER PUMP NO.2	9.0	11-Aug-14*	22-Aug-14	[Gantt bar for LS-FUEL TRANSFER PUMP NO.2]																																								
802	ENG.I00-07-D051	LS-TREATED LIQUID FUEL FORWARDING PUMP NO.1	9.0	11-Aug-14*	22-Aug-14	[Gantt bar for LS-TREATED LIQUID FUEL FORWARDING PUMP NO.1]																																								
803	ENG.I00-07-D052	LS-TREATED LIQUID FUEL FORWARDING PUMP NO.2	9.0	11-Aug-14*	22-Aug-14	[Gantt bar for LS-TREATED LIQUID FUEL FORWARDING PUMP NO.2]																																								
804	ENG.I00-07-D064	LS-RAW WATER FORWARDING PUMP	9.0	11-Aug-14*	22-Aug-14	[Gantt bar for LS-RAW WATER FORWARDING PUMP]																																								
805	ENG.I00-07-D142	LS - DEMIN WATER FORWARDING PUMP# 1	9.0	11-Aug-14*	22-Aug-14	[Gantt bar for LS - DEMIN WATER FORWARDING PUMP# 1]																																								
806	ENG.I00-07-D143	LS - DEMIN WATER FORWARDING PUMP# 2	9.0	11-Aug-14*	22-Aug-14	[Gantt bar for LS - DEMIN WATER FORWARDING PUMP# 2]																																								
807	ENG.I00-07-E80	LS-MISC. TROUBLE ALARMS	9.0	11-Aug-14*	22-Aug-14	[Gantt bar for LS-MISC. TROUBLE ALARMS]																																								
808	ENG.I00-07-F23	LS-TRUCK UNLOADING STATION 1 & 2 FUEL OIL FLOW	9.0	11-Aug-14*	22-Aug-14	[Gantt bar for LS-TRUCK UNLOADING STATION 1 & 2 FUEL OIL FLOW]																																								

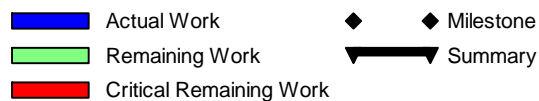
█ Actual Work      ◆ Milestone  
█ Remaining Work      ▼ Summary  
█ Critical Remaining Work



# 100 MW Combustion Turbine Project

22-Jul-14

#	Activity ID	Activity Name	Remaining Duration	Start	Finish	Timeline																																								
						14	June 2014	July 2014	August 2014	S	October 2014	N	D	January 2015	F																															
						8	25	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25	01	08	15	22
854	PROC.RWP.70	Transport From Bay Bulls' Port to Jobsite	5.0	13-Oct-14	17-Oct-14																																									
855	<b>Service Water</b>		21.1	22-Jul-14	13-Aug-14																																									
856	<b>Service Water Pressure Tank</b>		21.1	22-Jul-14	13-Aug-14																																									
857	PROC.SWPT.10	Issue For Bid & Receive Bids From Venders	5.0	22-Jul-14	28-Jul-14																																									
858	PROC.SWPT.20	Issue Purchase Order & Receive/Review Shop Drawings	5.0	29-Jul-14	04-Aug-14																																									
859	PROC.SWPT.30	Approve Vendor Drawings & Fabrication Time	5.0	05-Aug-14	11-Aug-14																																									
860	PROC.SWPT.70	Transport From Bay Bulls' Port to Jobsite	2.5	12-Aug-14	13-Aug-14																																									
861	<b>Electric Water Heater</b>		11.1	22-Jul-14	03-Aug-14																																									
862	PROC.WH.10	Issue For Bid & Receive Bids From Venders	1.3	22-Jul-14	23-Jul-14																																									
863	PROC.WH.20	Issue Purchase Order & Receive/Review Shop Drawings	5.0	23-Jul-14	30-Jul-14																																									
864	PROC.WH.30	Approve Vendor Drawings & Fabrication Time	2.5	30-Jul-14	01-Aug-14																																									
865	PROC.WH.70	Transport From Bay Bulls' Port to Jobsite	2.5	01-Aug-14	03-Aug-14																																									
866	<b>Washrooms</b>		21.1	22-Jul-14	13-Aug-14																																									
867	PROC.BTHRM.10	Issue For Bid & Receive Bids From Venders	5.0	22-Jul-14	28-Jul-14																																									
868	PROC.BTHRM.20	Issue Purchase Order & Receive/Review Shop Drawings	5.0	29-Jul-14	04-Aug-14																																									
869	PROC.BTHRM.30	Approve Vendor Drawings & Fabrication Time	5.0	05-Aug-14	11-Aug-14																																									
870	PROC.BTHRM.70	Transport From Bay Bulls' Port to Jobsite	2.5	12-Aug-14	13-Aug-14																																									
871	<b>Eye Wash Station</b>		21.1	22-Jul-14	13-Aug-14																																									
872	PROC.EYWSH.10	Issue For Bid & Receive Bids From Venders	5.0	22-Jul-14	28-Jul-14																																									
873	PROC.EYWSH.20	Issue Purchase Order & Receive/Review Shop Drawings	5.0	29-Jul-14	04-Aug-14																																									
874	PROC.EYWSH.30	Approve Vendor Drawings & Fabrication Time	5.0	05-Aug-14	11-Aug-14																																									
875	PROC.EYWSH.40	Transport From Bay Bulls' Port to Jobsite	2.5	12-Aug-14	13-Aug-14																																									
876	<b>Water Plant</b>		103.6	19-May-14 A	13-Nov-14																																									
877	<b>Water Treatment System</b>		103.6	21-May-14 A	13-Nov-14																																									
878	PROC.WTS.10	Issue For Bid & Receive Bids From Venders	0.0	21-May-14 A	23-May-14 A																																									
879	PROC.WTS.20	Issue Purchase Order & Receive/Review Shop Drawings	0.0	16-Jun-14 A	16-Jul-14 A																																									
880	PROC.WTS.30	Approve Vendor Drawings & Fabrication Time	54.0	17-Jul-14 A	03-Oct-14																																									
881	PROC.WTS.70	Perform FAT & Sign Off	1.0	06-Oct-14	06-Oct-14																																									
882	PROC.WTS.40	Ship From Vender to Houston, TX Port	2.0	07-Oct-14	08-Oct-14																																									
883	PROC.WTS.90	Load on Vessel	5.0	09-Oct-14	12-Oct-14																																									
884	PROC.WTS.50	Ship From Houston, TX to Bay Bulls Port	35.0	13-Oct-14	09-Nov-14																																									
885	PROC.WTS.60	Transport From Bay Bulls' Port to Jobsite	5.0	10-Nov-14	13-Nov-14																																									
886	<b>Demin Water Tanks</b>		88.6	19-May-14 A	28-Oct-14																																									
887	PROC.DWT.10	Issue Purchase Order & Receive/Review Shop Drawings	0.0	19-May-14 A	09-Jul-14 A																																									
888	PROC.DWT.30	Approve Vendor Drawings & Fabrication Time	38.0	09-Jul-14 A	11-Sep-14																																									
889	PROC.DWT.70	Perform FAT & Sign Off	5.0	12-Sep-14	18-Sep-14																																									
890	PROC.DWT.40	Ship From Vender to Houston, TX Port	2.0	19-Sep-14	22-Sep-14																																									
891	PROC.DWT.80	Load on Vessel	5.0	23-Sep-14	26-Sep-14																																									
892	PROC.DWT.50	Ship From Houston, TX to Bay Bulls Port	35.0	27-Sep-14	24-Oct-14																																									
893	PROC.DWT.60	Transport From Bay Bulls' Port to Jobsite	5.0	25-Oct-14	28-Oct-14																																									
894	<b>Demineralized Water Pump #1</b>		80.6	25-Jul-14	24-Oct-14																																									
895	PROC.DWP1.10	Issue For Bid & Receive Bids From Venders	2.5	25-Jul-14	30-Jul-14																																									
896	PROC.DWP1.20	Issue Purchase Order & Receive/Review Shop Drawings	20.0	30-Jul-14	27-Aug-14																																									
897	PROC.DWP1.30	Approve Vendor Drawings & Fabrication Time	10.0	27-Aug-14	10-Sep-14																																									
898	PROC.DWP1.40	Perform FAT & Sign Off	1.0	10-Sep-14	11-Sep-14																																									



100 MW Combustion Turbine (Integrated)...



# 100 MW Combustion Turbine Project

22-Jul-14

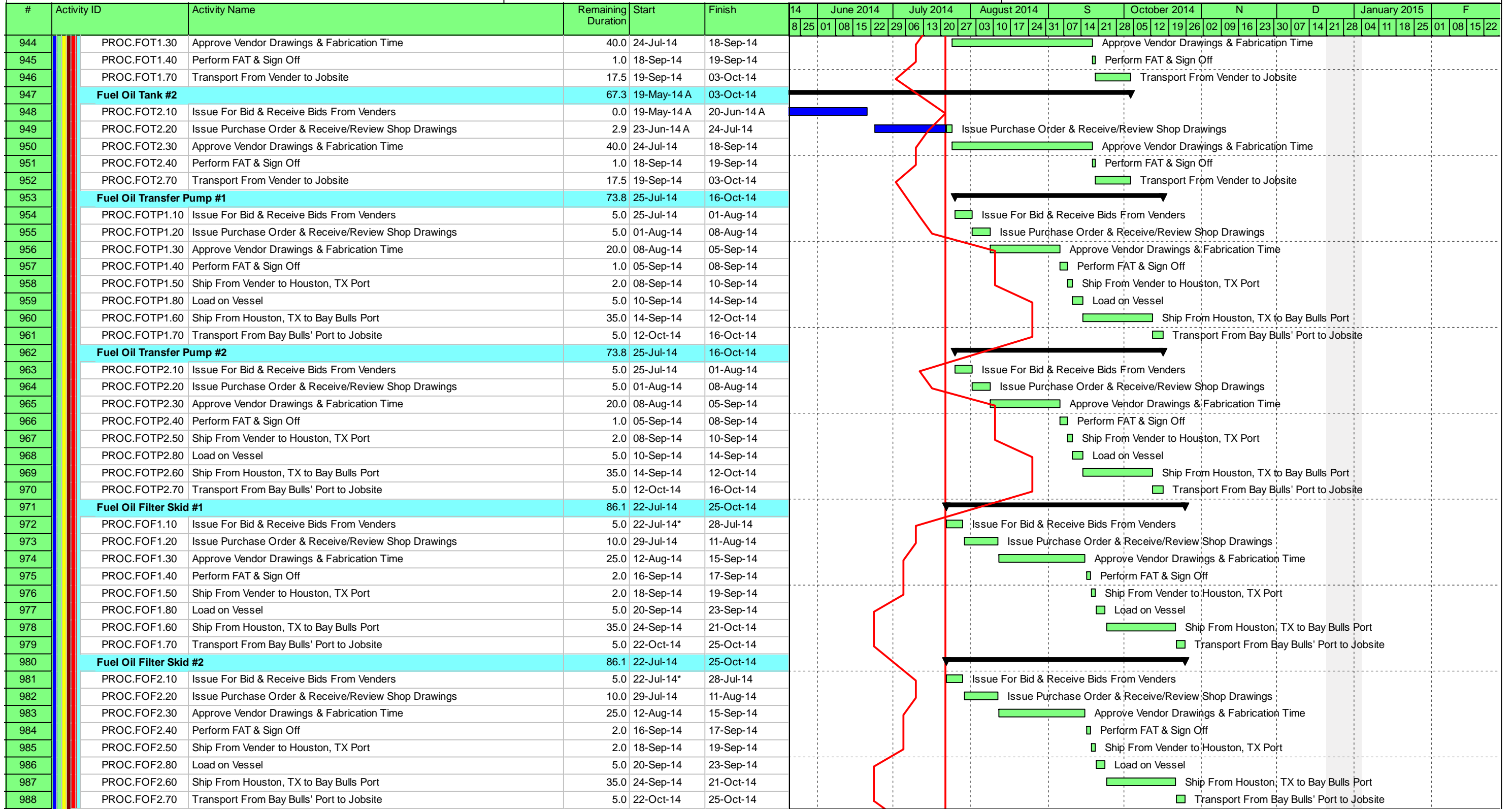
#	Activity ID	Activity Name	Remaining Duration	Start	Finish	Calendar																																								
						14	June 2014					July 2014					August 2014					S				October 2014				N				D				January 2015				F				
						8	25	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25	01	08	15	22
899	PROC.DWP1.50	Ship From Vender to Houston, TX Port	5.0	11-Sep-14	18-Sep-14							█ Ship From Vender to Houston, TX Port																																		
900	PROC.DWP1.80	Load on Vessel	5.0	18-Sep-14	22-Sep-14							█ Load on Vessel																																		
901	PROC.DWP1.60	Ship From Houston, TX to Bay Bulls Port	35.0	22-Sep-14	20-Oct-14							█ Ship From Houston, TX to Bay Bulls Port																																		
902	PROC.DWP1.70	Transport From Bay Bulls' Port to Jobsite	5.0	20-Oct-14	24-Oct-14							█ Transport From Bay Bulls' Port to Jobsite																																		
903	<b>Deminerlized Water Pump #2</b>		<b>83.8</b>	<b>25-Jul-14</b>	<b>28-Oct-14</b>	▶ Summary																																								
904	PROC.DWP2.10	Issue For Bid & Receive Bids From Venders	5.0	25-Jul-14	01-Aug-14							█ Issue For Bid & Receive Bids From Venders																																		
905	PROC.DWP2.20	Issue Purchase Order & Receive/Review Shop Drawings	20.0	01-Aug-14	29-Aug-14							█ Issue Purchase Order & Receive/Review Shop Drawings																																		
906	PROC.DWP2.30	Approve Vendor Drawings & Fabrication Time	10.0	29-Aug-14	12-Sep-14							█ Approve Vendor Drawings & Fabrication Time																																		
907	PROC.DWP2.40	Perform FAT & Sign Off	1.0	12-Sep-14	15-Sep-14							█ Perform FAT & Sign Off																																		
908	PROC.DWP2.50	Ship From Vender to Houston, TX Port	5.0	15-Sep-14	22-Sep-14							█ Ship From Vender to Houston, TX Port																																		
909	PROC.DWP2.80	Load on Vessel	5.0	22-Sep-14	26-Sep-14							█ Load on Vessel																																		
910	PROC.DWP2.60	Ship From Houston, TX to Bay Bulls Port	35.0	26-Sep-14	24-Oct-14							█ Ship From Houston, TX to Bay Bulls Port																																		
911	PROC.DWP2.70	Transport From Bay Bulls' Port to Jobsite	5.0	24-Oct-14	28-Oct-14							█ Transport From Bay Bulls' Port to Jobsite																																		
912	<b>Liquid Fuel System</b>		<b>116.0</b>	<b>19-May-14 A</b>	<b>27-Nov-14</b>	▶ Summary																																								
913	<b>Liquid Fuel Transfer System &amp; Tanks</b>		<b>116.0</b>	<b>19-May-14 A</b>	<b>27-Nov-14</b>	▶ Summary																																								
914	<b>Liquid Fuel Unloading Pump #1</b>		<b>111.3</b>	<b>25-Jul-14</b>	<b>27-Nov-14</b>	▶ Summary																																								
915	PROC.LFUP1.10	Issue For Bid & Receive Bids From Venders	5.0	25-Jul-14	01-Aug-14							█ Issue For Bid & Receive Bids From Venders																																		
916	PROC.LFUP1.20	Issue Purchase Order & Receive/Review Shop Drawings	10.0	01-Aug-14	15-Aug-14							█ Issue Purchase Order & Receive/Review Shop Drawings																																		
917	PROC.LFUP1.30	Approve Vendor Drawings & Fabrication Time	45.0	15-Aug-14	17-Oct-14							█ Approve Vendor Drawings & Fabrication Time																																		
918	PROC.LFUP1.40	Perform FAT & Sign Off	1.0	17-Oct-14	20-Oct-14							█ Perform FAT & Sign Off																																		
919	PROC.LFUP1.50	Ship From Vender to Houston, TX Port	2.0	20-Oct-14	22-Oct-14							█ Ship From Vender to Houston, TX Port																																		
920	PROC.LFUP1.80	Load on Vessel	5.0	22-Oct-14	26-Oct-14							█ Load on Vessel																																		
921	PROC.LFUP1.60	Ship From Houston, TX to Bay Bulls Port	35.0	26-Oct-14	23-Nov-14							█ Ship From Houston, TX to Bay Bulls Port																																		
922	PROC.LFUP1.70	Transport From Bay Bulls' Port to Jobsite	5.0	23-Nov-14	27-Nov-14							█ Transport From Bay Bulls' Port to Jobsite																																		
923	<b>Liquid Fuel Unloading Pump #2</b>		<b>111.3</b>	<b>25-Jul-14</b>	<b>27-Nov-14</b>	▶ Summary																																								
924	PROC.LFUP2.10	Issue For Bid & Receive Bids From Venders	5.0	25-Jul-14	01-Aug-14							█ Issue For Bid & Receive Bids From Venders																																		
925	PROC.LFUP2.20	Issue Purchase Order & Receive/Review Shop Drawings	10.0	01-Aug-14	15-Aug-14							█ Issue Purchase Order & Receive/Review Shop Drawings																																		
926	PROC.LFUP2.30	Approve Vendor Drawings & Fabrication Time	45.0	15-Aug-14	17-Oct-14							█ Approve Vendor Drawings & Fabrication Time																																		
927	PROC.LFUP2.40	Perform FAT & Sign Off	1.0	17-Oct-14	20-Oct-14							█ Perform FAT & Sign Off																																		
928	PROC.LFUP2.50	Ship From Vender to Houston, TX Port	2.0	20-Oct-14	22-Oct-14							█ Ship From Vender to Houston, TX Port																																		
929	PROC.LFUP2.80	Load on Vessel	5.0	22-Oct-14	26-Oct-14							█ Load on Vessel																																		
930	PROC.LFUP2.60	Ship From Houston, TX to Bay Bulls Port	35.0	26-Oct-14	23-Nov-14							█ Ship From Houston, TX to Bay Bulls Port																																		
931	PROC.LFUP2.70	Transport From Bay Bulls' Port to Jobsite	5.0	23-Nov-14	27-Nov-14							█ Transport From Bay Bulls' Port to Jobsite																																		
932	<b>Liquid Fuel Unloading Pump #3</b>		<b>111.3</b>	<b>25-Jul-14</b>	<b>27-Nov-14</b>	▶ Summary																																								
933	PROC.LFUP3.10	Issue For Bid & Receive Bids From Venders	5.0	25-Jul-14	01-Aug-14							█ Issue For Bid & Receive Bids From Venders																																		
934	PROC.LFUP3.20	Issue Purchase Order & Receive/Review Shop Drawings	10.0	01-Aug-14	15-Aug-14							█ Issue Purchase Order & Receive/Review Shop Drawings																																		
935	PROC.LFUP3.30	Approve Vendor Drawings & Fabrication Time	45.0	15-Aug-14	17-Oct-14							█ Approve Vendor Drawings & Fabrication Time																																		
936	PROC.LFUP3.40	Perform FAT & Sign Off	1.0	17-Oct-14	20-Oct-14							█ Perform FAT & Sign Off																																		
937	PROC.LFUP3.50	Ship From Vender to Houston, TX Port	2.0	20-Oct-14	22-Oct-14							█ Ship From Vender to Houston, TX Port																																		
938	PROC.LFUP3.80	Load on Vessel	5.0	22-Oct-14	26-Oct-14							█ Load on Vessel																																		
939	PROC.LFUP3.60	Ship From Houston, TX to Bay Bulls Port	35.0	26-Oct-14	23-Nov-14							█ Ship From Houston, TX to Bay Bulls Port																																		
940	PROC.LFUP3.70	Transport From Bay Bulls' Port to Jobsite	5.0	23-Nov-14	27-Nov-14							█ Transport From Bay Bulls' Port to Jobsite																																		
941	<b>Fuel Oil Tank #1</b>		<b>67.3</b>	<b>19-May-14 A</b>	<b>03-Oct-14</b>	▶ Summary																																								
942	PROC.FOT1.10	Issue For Bid & Receive Bids From Venders	0.0	19-May-14 A	20-Jun-14 A	█ Actual Work																																								
943	PROC.FOT1.20	Issue Purchase Order & Receive/Review Shop Drawings	2.9	23-Jun-14 A	24-Jul-14							█ Issue Purchase Order & Receive/Review Shop Drawings																																		

- █ Actual Work
- █ Remaining Work
- █ Critical Remaining Work
- ◆ Milestone
- ▶ Summary

100 MW Combustion Turbine (Integrated)...

100 MW Combustion Turbine Project

22-Jul-14



█ Actual Work     ◆ ◆ Milestone  
█ Remaining Work     ┆ Summary  
█ Critical Remaining Work

100 MW Combustion Turbine (Integrated)...

# 100 MW Combustion Turbine Project

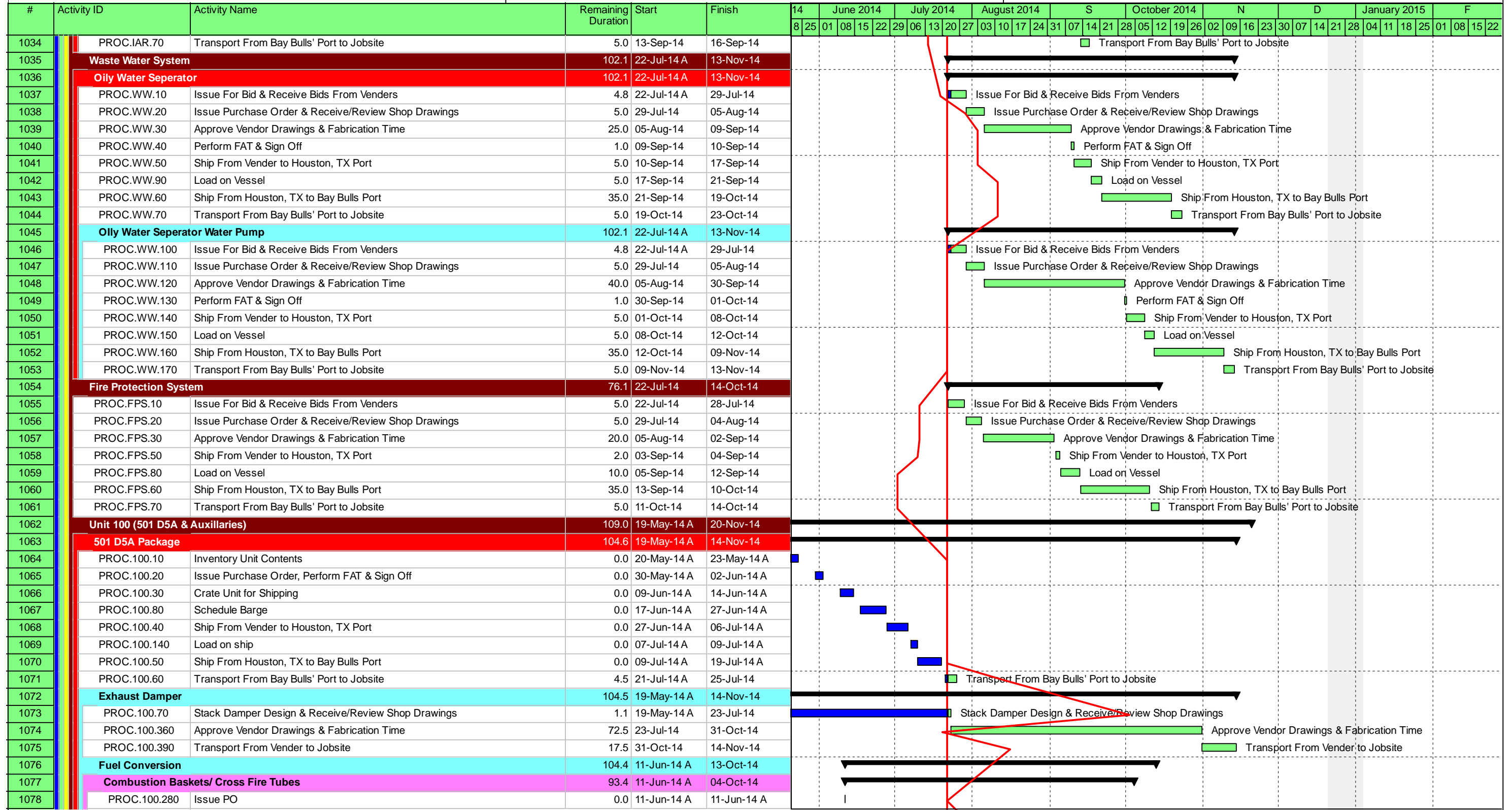
22-Jul-14

#	Activity ID	Activity Name	Remaining Duration	Start	Finish	Calendar																																	
						14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
989	<b>Compressed Air System</b>			51.1	25-Jun-14 A	16-Sep-14																																	
990	<b>Station Air System Compressors</b>			51.1	25-Jun-14 A	16-Sep-14																																	
991	PROC.IA.10	Issue For Bid & Receive Bids From Venders	0.0	25-Jun-14 A	02-Jul-14 A																																		
992	PROC.IA.20	Issue Purchase Order & Receive/Review Shop Drawings	0.0	02-Jul-14 A	10-Jul-14 A																																		
993	PROC.IA.30	Approve Vendor Drawings & Fabrication Time	9.0	10-Jul-14 A	01-Aug-14																																		
994	PROC.IA.40	Perform FAT & Sign Off	1.0	04-Aug-14	04-Aug-14																																		
995	PROC.IA.50	Ship From Vender to Houston, TX Port	5.0	05-Aug-14	11-Aug-14																																		
996	PROC.IA.80	Load on Vessel	5.0	12-Aug-14	15-Aug-14																																		
997	PROC.IA.60	Ship From Houston, TX to Bay Bulls Port	35.0	16-Aug-14	12-Sep-14																																		
998	PROC.IA.70	Transport From Bay Bulls' Port to Jobsite	5.0	13-Sep-14	16-Sep-14																																		
999	<b>Air Receiver</b>			51.1	25-Jun-14 A	16-Sep-14																																	
1000	PROC.AR.10	Issue For Bid & Receive Bids From Venders	0.0	25-Jun-14 A	02-Jul-14 A																																		
1001	PROC.AR.20	Issue Purchase Order & Receive/Review Shop Drawings	0.0	02-Jul-14 A	10-Jul-14 A																																		
1002	PROC.AR.30	Approve Vendor Drawings & Fabrication Time	9.0	10-Jul-14 A	01-Aug-14																																		
1003	PROC.AR.40	Perform FAT & Sign Off	1.0	04-Aug-14	04-Aug-14																																		
1004	PROC.AR.50	Ship From Vender to Houston, TX Port	5.0	05-Aug-14	11-Aug-14																																		
1005	PROC.AR.80	Load on Vessel	5.0	12-Aug-14	15-Aug-14																																		
1006	PROC.AR.60	Ship From Houston, TX to Bay Bulls Port	35.0	16-Aug-14	12-Sep-14																																		
1007	PROC.AR.70	Transport From Bay Bulls' Port to Jobsite	5.0	13-Sep-14	16-Sep-14																																		
1008	<b>Air Dryer Skid #1</b>			51.1	25-Jun-14 A	16-Sep-14																																	
1009	PROC.AD1.10	Issue For Bid & Receive Bids From Venders	0.0	25-Jun-14 A	02-Jul-14 A																																		
1010	PROC.AD1.20	Issue Purchase Order & Receive/Review Shop Drawings	0.0	02-Jul-14 A	10-Jul-14 A																																		
1011	PROC.AD1.30	Approve Vendor Drawings & Fabrication Time	9.0	10-Jul-14 A	01-Aug-14																																		
1012	PROC.AD1.40	Perform FAT & Sign Off	1.0	04-Aug-14	04-Aug-14																																		
1013	PROC.AD1.50	Ship From Vender to Houston, TX Port	5.0	05-Aug-14	11-Aug-14																																		
1014	PROC.AD1.80	Load on Vessel	5.0	12-Aug-14	15-Aug-14																																		
1015	PROC.AD1.60	Ship From Houston, TX to Bay Bulls Port	35.0	16-Aug-14	12-Sep-14																																		
1016	PROC.AD1.70	Transport From Bay Bulls' Port to Jobsite	5.0	13-Sep-14	16-Sep-14																																		
1017	<b>Air Dryer Skid #2</b>			51.1	25-Jun-14 A	16-Sep-14																																	
1018	PROC.AD2.10	Issue For Bid & Receive Bids From Venders	0.0	25-Jun-14 A	02-Jul-14 A																																		
1019	PROC.AD2.20	Issue Purchase Order & Receive/Review Shop Drawings	0.0	02-Jul-14 A	10-Jul-14 A																																		
1020	PROC.AD2.30	Approve Vendor Drawings & Fabrication Time	9.0	10-Jul-14 A	01-Aug-14																																		
1021	PROC.AD2.40	Perform FAT & Sign Off	1.0	04-Aug-14	04-Aug-14																																		
1022	PROC.AD2.50	Ship From Vender to Houston, TX Port	5.0	05-Aug-14	11-Aug-14																																		
1023	PROC.AD2.80	Load on Vessel	5.0	12-Aug-14	15-Aug-14																																		
1024	PROC.AD2.60	Ship From Houston, TX to Bay Bulls Port	35.0	16-Aug-14	12-Sep-14																																		
1025	PROC.AD2.70	Transport From Bay Bulls' Port to Jobsite	5.0	13-Sep-14	16-Sep-14																																		
1026	<b>Intrument Air Receiver</b>			51.1	25-Jun-14 A	16-Sep-14																																	
1027	PROC.IAR.10	Issue For Bid & Receive Bids From Venders	0.0	25-Jun-14 A	02-Jul-14 A																																		
1028	PROC.IAR.20	Issue Purchase Order & Receive/Review Shop Drawings	0.0	02-Jul-14 A	10-Jul-14 A																																		
1029	PROC.IAR.30	Approve Vendor Drawings & Fabrication Time	9.0	10-Jul-14 A	01-Aug-14																																		
1030	PROC.IAR.40	Perform FAT & Sign Off	1.0	04-Aug-14	04-Aug-14																																		
1031	PROC.IAR.50	Ship From Vender to Houston, TX Port	5.0	05-Aug-14	11-Aug-14																																		
1032	PROC.IAR.80	Load on Vessel	5.0	12-Aug-14	15-Aug-14																																		
1033	PROC.IAR.60	Ship From Houston, TX to Bay Bulls Port	35.0	16-Aug-14	12-Sep-14																																		

- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone
- Summary



# 100 MW Combustion Turbine Project



- Actual Work
- ☐ Remaining Work
- ▬ Critical Remaining Work
- ◆ Milestone
- Summary

100 MW Combustion Turbine (Integrated)...

100 MW Combustion Turbine Project

22-Jul-14

#	Activity ID	Activity Name	Remaining Duration	Start	Finish	100 MW Combustion Turbine Project																																								
						14	June 2014	July 2014	August 2014	S	October 2014	N	D	January 2015	F																															
						8	25	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25	01	08	15	22
1079	PROC.100.290	Manufacture Combustion Baskets	69.8	11-Jun-14 A	15-Sep-14	Manufacture Combustion Baskets																																								
1080	PROC.100.200	Perform Final Inspection @ Turbine Services	8.8	15-Sep-14	22-Sep-14	Perform Final Inspection @ Turbine Services																																								
1081	PROC.100.210	Air Freight From PES to Newfoundland	5.0	26-Sep-14*	30-Sep-14	Air Freight From PES to Newfoundland																																								
1082	PROC.100.340	Ship From Airport to Site	5.0	30-Sep-14	04-Oct-14	Ship From Airport to Site																																								
1083	<b>Fuel Nozzles</b>		104.4	11-Jun-14 A	13-Oct-14	<b>Fuel Nozzles</b>																																								
1084	PROC.100.300	Issue PO	0.0	11-Jun-14 A	11-Jun-14 A	Issue PO																																								
1085	PROC.100.310	Manufacture Fuel Nozzles	89.7	11-Jun-14 A	01-Oct-14	Manufacture Fuel Nozzles																																								
1086	PROC.100.230	Perform Final Inspection @ Turbine Services	4.6	01-Oct-14	05-Oct-14	Perform Final Inspection @ Turbine Services																																								
1087	PROC.100.240	Air Freight From PES to Newfoundland	5.0	05-Oct-14	09-Oct-14	Air Freight From PES to Newfoundland																																								
1088	PROC.100.350	Ship From Airport to Site	5.0	09-Oct-14	13-Oct-14	Ship From Airport to Site																																								
1089	<b>Transition Pieces</b>		97.1	14-Jul-14 A	07-Oct-14	<b>Transition Pieces</b>																																								
1090	PROC.100.320	Issue PO	0.0	14-Jul-14 A	15-Jul-14 A	Issue PO																																								
1091	PROC.100.330	Modify TP's	69.6	15-Jul-14 A	15-Sep-14	Modify TP's																																								
1092	PROC.100.260	Air Freight From PES to Newfoundland	5.0	26-Sep-14	30-Sep-14	Air Freight From PES to Newfoundland																																								
1093	PROC.100.270	Ship From Airport to Site	8.8	30-Sep-14	07-Oct-14	Ship From Airport to Site																																								
1094	<b>Atomizing Air &amp; Water Manifold</b>		79.9	14-Jul-14 A	19-Oct-14	<b>Atomizing Air &amp; Water Manifold</b>																																								
1095	PROC.100MF.10	Issue For Bid & Receive Bids From Venders	0.3	14-Jul-14 A	22-Jul-14	Issue For Bid & Receive Bids From Venders																																								
1096	PROC.100MF.20	Issue Purchase Order & Receive/Review Shop Drawings	14.8	18-Jul-14 A	12-Aug-14	Issue Purchase Order & Receive/Review Shop Drawings																																								
1097	PROC.100MF.30	Approve Vendor Drawings & Fabrication Time	20.0	12-Aug-14	09-Sep-14	Approve Vendor Drawings & Fabrication Time																																								
1098	PROC.100MF.40	Perform FAT & Sign Off	2.0	09-Sep-14	11-Sep-14	Perform FAT & Sign Off																																								
1099	PROC.100MF.50	Transport From Vender to Houston, TX Port	2.0	11-Sep-14	12-Sep-14	Transport From Vender to Houston, TX Port																																								
1100	PROC.100MF.60	Load on Ship	6.3	12-Sep-14	17-Sep-14	Load on Ship																																								
1101	PROC.100MF.70	Ship From Houston, TX to Bay Bulls Port	35.0	17-Sep-14	15-Oct-14	Ship From Houston, TX to Bay Bulls Port																																								
1102	PROC.100MF.80	Transport From Bay Bulls' Port to Jobsite	5.0	15-Oct-14	19-Oct-14	Transport From Bay Bulls' Port to Jobsite																																								
1103	<b>Water Injection Skid</b>		108.8	14-Jul-14 A	20-Nov-14	<b>Water Injection Skid</b>																																								
1104	PROC.100WI.10	Issue For Bid & Receive Bids From Venders	0.3	14-Jul-14 A	22-Jul-14	Issue For Bid & Receive Bids From Venders																																								
1105	PROC.100WI.20	Issue Purchase Order & Receive/Review Shop Drawings	14.8	18-Jul-14 A	12-Aug-14	Issue Purchase Order & Receive/Review Shop Drawings																																								
1106	PROC.100WI.30	Approve Vendor Drawings & Fabrication Time	60.0	12-Aug-14	04-Nov-14	Approve Vendor Drawings & Fabrication Time																																								
1107	PROC.100WI.70	Perform FAT & Sign Off	2.0	04-Nov-14	06-Nov-14	Perform FAT & Sign Off																																								
1108	PROC.100WI.60	Transport From Vender to Jobsite	17.5	06-Nov-14	20-Nov-14	Transport From Vender to Jobsite																																								
1109	<b>Inlet Filter House</b>		81.7	23-May-14 A	21-Oct-14	<b>Inlet Filter House</b>																																								
1110	PROC.IFH.10	Issue For Bid & Receive Bids From Venders	0.0	30-May-14 A	23-Jun-14 A	Issue For Bid & Receive Bids From Venders																																								
1111	PROC.IFH.20	Issue Purchase Order & Receive/Review Shop Drawings	0.0	09-Jun-14 A	03-Jul-14 A	Issue Purchase Order & Receive/Review Shop Drawings																																								
1112	PROC.IFH.30	Approve Vender Drawings & Fabrication Time (Rain Hood/Duct Supports)	0.4	03-Jul-14 A	22-Jul-14	Approve Vender Drawings & Fabrication Time (Rain Hood/Duct Supports)																																								
1113	PROC.IFH.80	Perform FAT & Sign Off	1.0	22-Jul-14	23-Jul-14	Perform FAT & Sign Off																																								
1114	PROC.IFH.40	Ship From Vender to Houston, TX Port	2.0	23-Jul-14	25-Jul-14	Ship From Vender to Houston, TX Port																																								
1115	PROC.IFH.90	Load on Vessel	5.0	25-Jul-14	01-Aug-14	Load on Vessel																																								
1116	PROC.IFH.50	Ship From Houston, TX to Bay Bulls Port	35.0	01-Aug-14	29-Aug-14	Ship From Houston, TX to Bay Bulls Port																																								
1117	PROC.IFH.60	Transport From Bay Bulls' Port to Jobsite	5.0	29-Aug-14	02-Sep-14	Transport From Bay Bulls' Port to Jobsite																																								
1118	<b>Inlet Heating</b>		81.7	23-May-14 A	21-Oct-14	<b>Inlet Heating</b>																																								
1119	PROC.IHC.10	Issue Purchase Order & Receive/Review Shop Drawings	0.0	23-May-14 A	21-Jul-14 A	Issue Purchase Order & Receive/Review Shop Drawings																																								
1120	PROC.IHC.20	Approve Vendor Drawings & Fabrication Time	54.5	22-Jul-14 A	06-Oct-14	Approve Vendor Drawings & Fabrication Time																																								
1121	PROC.IHC.30	Perform FAT & Sign Off	1.0	06-Oct-14	07-Oct-14	Perform FAT & Sign Off																																								
1122	PROC.IHC.60	Transport From Vender to Jobsite	17.5	07-Oct-14	21-Oct-14	Transport From Vender to Jobsite																																								
1123	<b>Fuel Heating Package</b>		100.3	22-Jul-14	11-Nov-14	<b>Fuel Heating Package</b>																																								

Actual Work      Milestone  
 Remaining Work      Summary  
 Critical Remaining Work



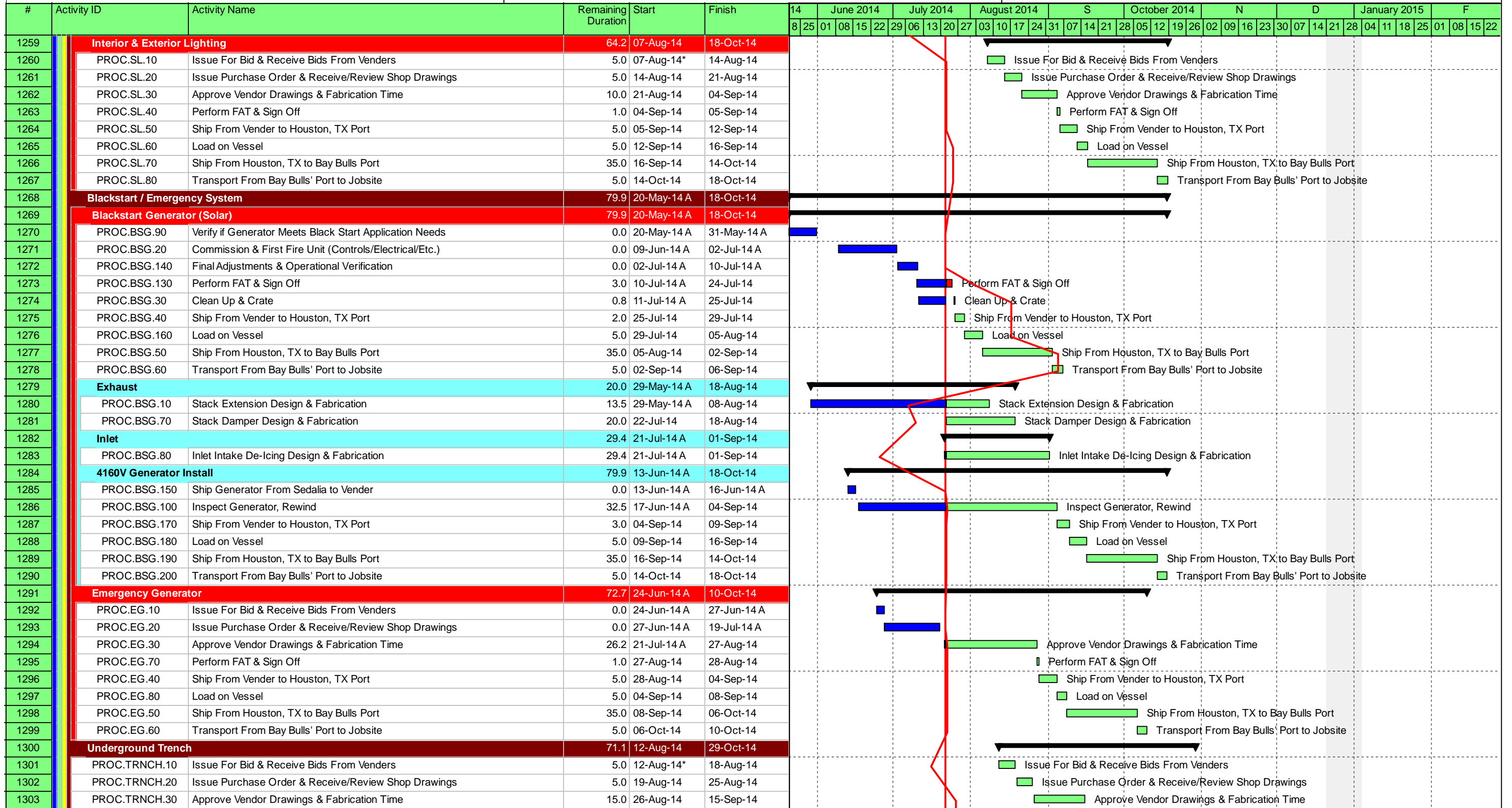






# 100 MW Combustion Turbine Project

22-Jul-14



- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone
- ▼ Summary

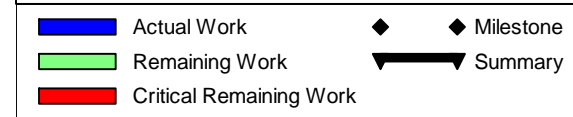
100 MW Combustion Turbine (Integrated)...



# 100 MW Combustion Turbine Project

22-Jul-14

#	Activity ID	Activity Name	Remaining Duration	Start	Finish	Calendar																																			
						14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18
<b>Cable</b>																																									
1304	PROC.CBL.10	Issue For Bid & Receive Bids From Venders	2.5	22-Jul-14*	24-Jul-14																																				
1305	PROC.CBL.20	Issue Purchase Order & Receive/Review Shop Drawings	5.0	24-Jul-14	31-Jul-14																																				
1306	PROC.CBL.30	Approve Vendor Drawings & Fabrication Time	5.0	31-Jul-14	07-Aug-14																																				
1307	PROC.CBL.40	Perform FAT & Sign Off	1.0	07-Aug-14	08-Aug-14																																				
1308	PROC.CBL.50	Ship From Vender to Houston, TX Port	2.0	08-Aug-14	12-Aug-14																																				
1309	PROC.CBL.60	Load on Vessel	5.0	12-Aug-14	16-Aug-14																																				
1310	PROC.CBL.70	Ship From Houston, TX to Bay Bulls Port	35.0	16-Aug-14	13-Sep-14																																				
1311	PROC.CBL.80	Transport From Bay Bulls' Port to Jobsite	5.0	13-Sep-14	17-Sep-14																																				
<b>Cable Tray</b>																																									
1319	PROC.CBLTRY.10	Issue For Bid & Receive Bids From Venders	5.0	11-Aug-14*	15-Aug-14																																				
1320	PROC.CBLTRY.20	Issue Purchase Order & Receive/Review Shop Drawings	5.0	18-Aug-14	22-Aug-14																																				
1321	PROC.CBLTRY.30	Approve Vendor Drawings & Fabrication Time	15.0	25-Aug-14	12-Sep-14																																				
1322	PROC.CBLTRY.40	Perform FAT & Sign Off	1.0	15-Sep-14	15-Sep-14																																				
1323	PROC.CBLTRY.50	Ship From Vender to Houston, TX Port	5.0	16-Sep-14	22-Sep-14																																				
1324	PROC.CBLTRY.60	Load on Vessel	5.0	23-Sep-14	26-Sep-14																																				
1325	PROC.CBLTRY.70	Ship From Houston, TX to Bay Bulls Port	35.0	27-Sep-14	24-Oct-14																																				
1326	PROC.CBLTRY.80	Transport From Bay Bulls' Port to Jobsite	5.0	25-Oct-14	28-Oct-14																																				
<b>Electrical Conduit</b>																																									
<b>Electrical Rigid Conduit (Above Ground)</b>																																									
1329	PROC.ERCNDT.10	Issue For Bid & Receive Bids From Venders	5.0	22-Jul-14*	28-Jul-14																																				
1330	PROC.ERCNDT.20	Issue Purchase Order & Receive/Review Shop Drawings	5.0	29-Jul-14	04-Aug-14																																				
1331	PROC.ERCNDT.30	Approve Vendor Drawings & Fabrication Time	10.0	05-Aug-14	18-Aug-14																																				
1332	PROC.ERCNDT.50	Ship From Vender to Houston, TX Port	5.0	19-Aug-14	25-Aug-14																																				
1333	PROC.ERCNDT.60	Load on Vessel	5.0	26-Aug-14	29-Aug-14																																				
1334	PROC.ERCNDT.70	Ship From Houston, TX to Bay Bulls Port	35.0	30-Aug-14	26-Sep-14																																				
1335	PROC.ERCNDT.80	Transport From Bay Bulls' Port to Jobsite	5.0	27-Sep-14	30-Sep-14																																				
<b>Electrical Conduit (Under Ground)</b>																																									
1337	PROC.UGCNDT.10	Issue For Bid & Receive Bids From Venders	4.0	02-Jul-14 A	01-Aug-14																																				
1338	PROC.UGCNDT.20	Issue Purchase Order & Receive/Review Shop Drawings	4.0	03-Jul-14 A	07-Aug-14																																				
1339	PROC.UGCNDT.30	Approve Vendor Drawings & Fabrication Time	8.0	03-Jul-14 A	19-Aug-14																																				
1340	PROC.UGCNDT.50	Ship From Vender to Jobsite	4.0	03-Jul-14 A	25-Aug-14																																				
<b>Grounding System</b>																																									
1342	PROC.GRND.10	Issue For Bid & Receive Bids From Venders	0.0	02-Jun-14 A	04-Jun-14 A																																				
1343	PROC.GRND.20	Issue Purchase Order & Receive/Review Shop Drawings	9.0	23-Jun-14 A	01-Aug-14																																				
1344	PROC.GRND.30	Approve Vendor Drawings & Fabrication Time	13.5	24-Jun-14 A	21-Aug-14																																				
1345	PROC.GRND.80	Ship From Vender to Jobsite	4.5	25-Jun-14 A	25-Aug-14																																				
<b>Lightning Protection</b>																																									
1347	PROC.LGTN.10	Issue For Bid & Receive Bids From Venders	5.0	22-Jul-14*	28-Jul-14																																				
1348	PROC.LGTN.20	Issue Purchase Order & Receive/Review Shop Drawings	10.0	29-Jul-14	11-Aug-14																																				



# 100 MW Combustion Turbine Project

22-Jul-14

#	Activity ID	Activity Name	Remaining Duration	Start	Finish	Calendar																																								
						14	June 2014				July 2014				August 2014				September 2014				October 2014				November 2014				December 2014				January 2015											
						8	25	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25	01	08	15	22
1349	PROC.LGTN.30	Approve Vendor Drawings & Fabrication Time	15.0	12-Aug-14	01-Sep-14	[Green bar] Approve Vendor Drawings & Fabrication Time																																								
1350	PROC.LGTN.50	Ship From Vender to Houston, TX Port	5.0	02-Sep-14	08-Sep-14	[Green bar] Ship From Vender to Houston, TX Port																																								
1351	PROC.LGTN.60	Load on Vessel	5.0	09-Sep-14	12-Sep-14	[Green bar] Load on Vessel																																								
1352	PROC.LGTN.70	Ship From Houston, TX to Bay Bulls Port	35.0	13-Sep-14	10-Oct-14	[Green bar] Ship From Houston, TX to Bay Bulls Port																																								
1353	PROC.LGTN.80	Transport From Bay Bulls' Port to Jobsite	5.0	11-Oct-14	14-Oct-14	[Green bar] Transport From Bay Bulls' Port to Jobsite																																								
1354	<b>Structural</b>		113.6	04-Jun-14 A	25-Nov-14	[Black arrow] Summary																																								
1355	<b>Buildings</b>		102.5	01-Jul-14 A	19-Nov-14	[Black arrow] Summary																																								
1356	<b>CTG Building Phase I</b>		82.0	01-Jul-14 A	19-Nov-14	[Black arrow] Summary																																								
1357	PROC.BLD1.10	Issue For Bid & Receive Bids From Venders	1.0	01-Jul-14 A	29-Jul-14	[Blue bar] Issue For Bid & Receive Bids From Venders																																								
1358	PROC.BLD1.20	Issue Purchase Order & Receive/Review Shop Drawings	15.0	29-Jul-14	19-Aug-14	[Green bar] Issue Purchase Order & Receive/Review Shop Drawings																																								
1359	PROC.BLD1.30	Approve Vendor Drawings & Fabrication Time	55.0	19-Aug-14	04-Nov-14	[Green bar] Approve Vendor Drawings & Fabrication Time																																								
1360	PROC.BLD1.40	Perform FAT & Sign Off	1.0	04-Nov-14	05-Nov-14	[Green bar] Perform FAT & Sign Off																																								
1361	PROC.BLD1.50	Ship From Vender to Site	10.0	05-Nov-14	19-Nov-14	[Green bar] Ship From Vender to Site																																								
1362	<b>CTG Building Phase II</b>		82.0	01-Jul-14 A	19-Nov-14	[Black arrow] Summary																																								
1363	PROC.BLD2.10	Issue For Bid & Receive Bids From Venders	1.0	01-Jul-14 A	29-Jul-14	[Blue bar] Issue For Bid & Receive Bids From Venders																																								
1364	PROC.BLD2.20	Issue Purchase Order & Receive/Review Shop Drawings	15.0	29-Jul-14	19-Aug-14	[Green bar] Issue Purchase Order & Receive/Review Shop Drawings																																								
1365	PROC.BLD2.30	Approve Vendor Drawings & Fabrication Time	55.0	19-Aug-14	04-Nov-14	[Green bar] Approve Vendor Drawings & Fabrication Time																																								
1366	PROC.BLD2.40	Perform FAT & Sign Off	1.0	04-Nov-14	05-Nov-14	[Green bar] Perform FAT & Sign Off																																								
1367	PROC.BLD2.50	Ship From Vender to Site	10.0	05-Nov-14	19-Nov-14	[Green bar] Ship From Vender to Site																																								
1368	<b>Liquid Fuel Forwarding Shed</b>		51.0	28-Jul-14	07-Oct-14	[Black arrow] Summary																																								
1369	PROC.LFF.10	Issue For Bid & Receive Bids From Venders	5.0	28-Jul-14	04-Aug-14	[Green bar] Issue For Bid & Receive Bids From Venders																																								
1370	PROC.LFF.20	Issue Purchase Order & Receive/Review Shop Drawings	15.0	04-Aug-14	25-Aug-14	[Green bar] Issue Purchase Order & Receive/Review Shop Drawings																																								
1371	PROC.LFF.30	Approve Vendor Drawings & Fabrication Time	20.0	25-Aug-14	22-Sep-14	[Green bar] Approve Vendor Drawings & Fabrication Time																																								
1372	PROC.LFF.40	Perform FAT & Sign Off	1.0	22-Sep-14	23-Sep-14	[Green bar] Perform FAT & Sign Off																																								
1373	PROC.LFF.50	Ship From Vender to Site	10.0	23-Sep-14	07-Oct-14	[Green bar] Ship From Vender to Site																																								
1374	<b>13.8kV Switchgear Enclosure</b>		76.3	13-Aug-14	06-Nov-14	[Black arrow] Summary																																								
1375	PROC.SGENCL.10	Issue For Bid & Receive Bids From Venders	5.0	13-Aug-14*	20-Aug-14	[Red bar] Issue For Bid & Receive Bids From Venders																																								
1376	PROC.SGENCL.20	Issue Purchase Order & Receive/Review Shop Drawings	5.0	20-Aug-14	27-Aug-14	[Red bar] Issue Purchase Order & Receive/Review Shop Drawings																																								
1377	PROC.SGENCL.30	Approve Vendor Drawings & Fabrication Time	20.0	27-Aug-14	24-Sep-14	[Red bar] Approve Vendor Drawings & Fabrication Time																																								
1378	PROC.SGENCL.50	Ship From Vender to Houston, TX Port	5.0	24-Sep-14	01-Oct-14	[Red bar] Ship From Vender to Houston, TX Port																																								
1379	PROC.SGENCL.60	Load on Vessel	5.0	01-Oct-14	05-Oct-14	[Red bar] Load on Vessel																																								
1380	PROC.SGENCL.70	Ship From Houston, TX to Bay Bulls Port	35.0	05-Oct-14	02-Nov-14	[Red bar] Ship From Houston, TX to Bay Bulls Port																																								
1381	PROC.SGENCL.80	Transport From Bay Bulls' Port to Jobsite	5.0	02-Nov-14	06-Nov-14	[Red bar] Transport From Bay Bulls' Port to Jobsite																																								
1382	<b>Pipe Rack</b>		96.1	11-Aug-14	25-Nov-14	[Black arrow] Summary																																								
1383	PROC.PR.10	Issue For Bid & Receive Bids From Venders	5.0	11-Aug-14	15-Aug-14	[Green bar] Issue For Bid & Receive Bids From Venders																																								
1384	PROC.PR.20	Issue Purchase Order & Receive/Review Shop Drawings	10.0	18-Aug-14	29-Aug-14	[Green bar] Issue Purchase Order & Receive/Review Shop Drawings																																								
1385	PROC.PR.30	Approve Vendor Drawings & Fabrication Time	25.0	01-Sep-14	03-Oct-14	[Green bar] Approve Vendor Drawings & Fabrication Time																																								
1386	PROC.PR.50	Ship From Vender to Houston, TX Port	10.0	06-Oct-14	17-Oct-14	[Green bar] Ship From Vender to Houston, TX Port																																								
1387	PROC.PR.80	Load on Vessel	5.0	20-Oct-14	24-Oct-14	[Green bar] Load on Vessel																																								
1388	PROC.PR.60	Ship From Houston, TX to Bay Bulls Port	35.0	25-Oct-14	21-Nov-14	[Green bar] Ship From Houston, TX to Bay Bulls Port																																								
1389	PROC.PR.70	Transport From Bay Bulls' Port to Jobsite	5.0	22-Nov-14	25-Nov-14	[Green bar] Transport From Bay Bulls' Port to Jobsite																																								
1390	<b>Miscellaneous Steel (Platforms, Ladders, Walkways, Etc.)</b>		68.6	04-Aug-14	18-Oct-14	[Black arrow] Summary																																								
1391	PROC.MSCSTL.10	Issue For Bid & Receive Bids From Venders	5.0	04-Aug-14	08-Aug-14	[Green bar] Issue For Bid & Receive Bids From Venders																																								
1392	PROC.MSCSTL.20	Issue Purchase Order & Receive/Review Shop Drawings	5.0	11-Aug-14	15-Aug-14	[Green bar] Issue Purchase Order & Receive/Review Shop Drawings																																								
1393	PROC.MSCSTL.30	Approve Vendor Drawings & Fabrication Time	15.0	18-Aug-14	05-Sep-14	[Green bar] Approve Vendor Drawings & Fabrication Time																																								

█ Actual Work      ◆ Milestone  
█ Remaining Work      ◀ Summary  
█ Critical Remaining Work

100 MW Combustion Turbine (Integrated)...

# 100 MW Combustion Turbine Project

22-Jul-14

#	Activity ID	Activity Name	Remaining Duration	Start	Finish	100 MW Combustion Turbine Project																																								
						14	June 2014				July 2014				August 2014				S		October 2014				N		D				January 2015				F											
						8	25	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25	01	08	15	22
1394	PROC.MSCSTL.50	Ship From Vender to Houston, TX Port	2.0	08-Sep-14	09-Sep-14	■ Ship From Vender to Houston, TX Port																																								
1395	PROC.MSCSTL.80	Load on Vessel	5.0	10-Sep-14	16-Sep-14	■ Load on Vessel																																								
1396	PROC.MSCSTL.60	Ship From Houston, TX to Bay Bulls Port	35.0	17-Sep-14	14-Oct-14	■ Ship From Houston, TX to Bay Bulls Port																																								
1397	PROC.MSCSTL.70	Transport From Bay Bulls' Port to Jobsite	5.0	15-Oct-14	18-Oct-14	■ Transport From Bay Bulls' Port to Jobsite																																								
1398	<b>Foundation Anchors, Imbeds &amp; Mounting Steel</b>		23.6	04-Jun-14 A	17-Aug-14	[Summary bar]																																								
1399	<b>CTG Anchors, Imbeds &amp; Mounting Steel</b>		17.4	04-Jun-14 A	08-Aug-14	[Summary bar]																																								
1400	<b>Power Block Anchors, Imbeds &amp; Mounting Steel</b>		0.0	04-Jun-14 A	30-Jun-14 A	[Summary bar]																																								
1401	PROC.FND.PB.10	Issue For Bid & Receive Bids From Venders	0.0	04-Jun-14 A	17-Jun-14 A	[Actual Work bar]																																								
1402	PROC.FND.PB.20	Issue Purchase Order & Fabrication Time	0.0	17-Jun-14 A	23-Jun-14 A	[Actual Work bar]																																								
1403	PROC.FND.PB.70	Ship From Vender to Northeast (Via Air Freight)	0.0	23-Jun-14 A	27-Jun-14 A	[Actual Work bar]																																								
1404	PROC.FND.PB.80	Transport From Airport to Jobsite	0.0	26-Jun-14 A	30-Jun-14 A	[Actual Work bar]																																								
1405	<b>Exhaust Anchors, Imbeds &amp; Mounting Steel</b>		17.4	22-Jul-14	08-Aug-14	[Summary bar]																																								
1406	PROC.FND.EX.10	Issue For Bid & Receive Bids From Venders	5.0	22-Jul-14	28-Jul-14	■ Issue For Bid & Receive Bids From Venders																																								
1407	PROC.FND.EX.20	Issue Purchase Order & Fabrication Time	5.0	29-Jul-14	04-Aug-14	■ Issue Purchase Order & Fabrication Time																																								
1408	PROC.FND.EX.60	Transport From Vender to Jobsite	5.0	05-Aug-14	08-Aug-14	■ Transport From Vender to Jobsite																																								
1409	<b>Intake Air Filter House Anchors, Imbeds &amp; Mounting Steel</b>		17.4	22-Jul-14	08-Aug-14	[Summary bar]																																								
1410	PROC.FND.IN.10	Issue For Bid & Receive Bids From Venders	5.0	22-Jul-14	28-Jul-14	■ Issue For Bid & Receive Bids From Venders																																								
1411	PROC.FND.IN.20	Issue Purchase Order & Fabrication Time	5.0	29-Jul-14	04-Aug-14	■ Issue Purchase Order & Fabrication Time																																								
1412	PROC.FND.IN.60	Transport From Vender to Jobsite	5.0	05-Aug-14	08-Aug-14	■ Transport From Vender to Jobsite																																								
1413	<b>Lube Oil Cooler Anchors, Imbeds &amp; Mounting Steel</b>		11.8	22-Jul-14	04-Aug-14	[Summary bar]																																								
1414	PROC.FND.LO.10	Issue For Bid & Receive Bids From Venders	2.5	22-Jul-14	24-Jul-14	■ Issue For Bid & Receive Bids From Venders																																								
1415	PROC.FND.LO.20	Issue Purchase Order & Fabrication Time	5.0	24-Jul-14	31-Jul-14	■ Issue Purchase Order & Fabrication Time																																								
1416	PROC.FND.LO.70	Transport From Vender to Jobsite	5.0	31-Jul-14	04-Aug-14	■ Transport From Vender to Jobsite																																								
1417	<b>Rotor Air Cooler Anchors, Imbeds &amp; Mounting Steel</b>		11.8	22-Jul-14	04-Aug-14	[Summary bar]																																								
1418	PROC.FND.AC.10	Issue For Bid & Receive Bids From Venders	2.5	22-Jul-14	24-Jul-14	■ Issue For Bid & Receive Bids From Venders																																								
1419	PROC.FND.AC.20	Issue Purchase Order & Fabrication Time	5.0	24-Jul-14	31-Jul-14	■ Issue Purchase Order & Fabrication Time																																								
1420	PROC.FND.AC.80	Transport From Vender to Jobsite	5.0	31-Jul-14	04-Aug-14	■ Transport From Vender to Jobsite																																								
1421	<b>GSU Anchors, Imbeds &amp; Mounting Steel</b>		0.0	09-Jul-14 A	10-Jul-14 A	[Summary bar]																																								
1422	PROC.FND.GSU.	Issue For Bid & Receive Bids From Venders	0.0	09-Jul-14 A	09-Jul-14 A	[Actual Work bar]																																								
1423	PROC.FND.GSU.	Issue Purchase Order & Fabrication Time	0.0	09-Jul-14 A	09-Jul-14 A	[Actual Work bar]																																								
1424	PROC.FND.GSU.	Transport From Vender to Jobsite	0.0	10-Jul-14 A	10-Jul-14 A	[Actual Work bar]																																								
1425	<b>Auxillary Transformer Anchors, Imbeds &amp; Mounting Steel</b>		12.5	07-Aug-14	17-Aug-14	[Summary bar]																																								
1426	PROC.FND.AUX.	Issue For Bid & Receive Bids From Venders	2.5	07-Aug-14	09-Aug-14	■ Issue For Bid & Receive Bids From Venders																																								
1427	PROC.FND.AUX.i	Issue Purchase Order & Fabrication Time	5.0	09-Aug-14	13-Aug-14	■ Issue Purchase Order & Fabrication Time																																								
1428	PROC.FND.AUX.	Transport From Vender to Jobsite	5.0	13-Aug-14	17-Aug-14	■ Transport From Vender to Jobsite																																								
1429	<b>Emergency Generator Anchors, Imbeds &amp; Mounting Steel</b>		12.5	29-Jul-14	08-Aug-14	[Summary bar]																																								
1430	PROC.FND.EG.70	Issue For Bid & Receive Bids From Venders	2.5	29-Jul-14	31-Jul-14	■ Issue For Bid & Receive Bids From Venders																																								
1431	PROC.FND.EG.80	Issue Purchase Order & Fabrication Time	5.0	31-Jul-14	04-Aug-14	■ Issue Purchase Order & Fabrication Time																																								
1432	PROC.FND.EG.1:	Transport From Vender to Jobsite	5.0	04-Aug-14	08-Aug-14	■ Transport From Vender to Jobsite																																								
1433	<b>Black Start Generator Anchors, Imbeds &amp; Mounting Steel</b>		12.5	06-Aug-14	15-Aug-14	[Summary bar]																																								
1434	PROC.FND.BS.70	Issue For Bid & Receive Bids From Venders	2.5	06-Aug-14	07-Aug-14	■ Issue For Bid & Receive Bids From Venders																																								
1435	PROC.FND.BS.80	Issue Purchase Order & Fabrication Time	5.0	08-Aug-14	11-Aug-14	■ Issue Purchase Order & Fabrication Time																																								
1436	PROC.FND.BS.120	Transport From Vender to Jobsite	5.0	12-Aug-14	15-Aug-14	■ Transport From Vender to Jobsite																																								
1437	<b>Water Tanks Anchors, Imbeds &amp; Mounting Steel</b>		12.5	05-Aug-14	14-Aug-14	[Summary bar]																																								
1438	PROC.FND.DWT.	Issue For Bid & Receive Bids From Venders	2.5	05-Aug-14	06-Aug-14	■ Issue For Bid & Receive Bids From Venders																																								

■ Actual Work      ◆ Milestone  
■ Remaining Work      ▶ Summary  
■ Critical Remaining Work

100 MW Combustion Turbine (Integrated)...





100 MW Combustion Turbine Project

22-Jul-14

#	Activity ID	Activity Name	Remaining Duration	Start	Finish	14							S							D									
						June 2014	July 2014	August 2014	September 2014	October 2014	November 2014	December 2014	January 2015	February 2015	March 2015	April 2015	May 2015	June 2015	July 2015										
1484	PROC.BRM.BFL.1	Procurement of Backfill	12.5	01-Jul-14 A	11-Aug-14																								
1485	<b>Fuel Oil Liner</b>		36.1	07-Jul-14 A	29-Aug-14																								
1486	PROC.FO.LNR.10	Issue For Bid & Receive Bids From Venders	0.0	07-Jul-14 A	15-Jul-14 A																								
1487	PROC.FO.LNR.20	Issue Purchase Order & Receive/Review Shop Drawings	5.0	22-Jul-14	28-Jul-14																								
1488	PROC.FO.LNR.30	Approve Vendor Drawings & Fabrication Time	20.0	29-Jul-14	25-Aug-14																								
1489	PROC.FO.LNR.60	Ship From Vender to Jobsite	5.0	26-Aug-14	29-Aug-14																								
1490	<b>Ditches</b>		25.0	07-Aug-14	12-Sep-14																								
1491	<b>Road Area</b>		25.0	07-Aug-14	12-Sep-14																								
1492	PROC.RA.DCH.10	Procurement of Ditch Materials	25.0	07-Aug-14	12-Sep-14																								
1493	<b>Fuel Oil Area</b>		25.0	07-Aug-14	12-Sep-14																								
1494	PROC.FO.DCH.10	Procurement of Ditch Materials	25.0	07-Aug-14	12-Sep-14																								
1495	<b>CTG Area</b>		25.0	07-Aug-14	12-Sep-14																								
1496	PROC.CTG.DCH.	Procurement of Ditch Materials	25.0	07-Aug-14	12-Sep-14																								
1497	<b>Gravel/Rock</b>		25.0	30-Sep-14 A	07-Nov-14																								
1498	<b>GSU Rock</b>		25.0	03-Oct-14	07-Nov-14																								
1499	PROC.GSU.RCK.	Procurement of Rock/Gravel	25.0	03-Oct-14	07-Nov-14																								
1500	<b>Road Gravel</b>		25.0	03-Oct-14	07-Nov-14																								
1501	PROC.RD.RCK.10	Procurement of Rock/Gravel	25.0	03-Oct-14	07-Nov-14																								
1502	<b>CTG Area Gravel</b>		25.0	30-Sep-14 A	07-Nov-14																								
1503	PROC.CTG.RCK.	Procurement of Rock/Gravel	25.0	30-Sep-14 A	07-Nov-14																								
1504	<b>Construction</b>		118.8	02-Jun-14 A	01-Dec-14																								
1505	CONS.DOC.10	Operations & Routine Maint. Documentation	4.0	02-Jun-14 A	25-Jul-14																								
1506	<b>Balance of Plant</b>		118.8	13-Jun-14 A	01-Dec-14																								
1507	<b>Electrical System</b>		118.8	14-Jun-14 A	01-Dec-14																								
1508	HV.BF.10	Backfeed System	0.0	01-Oct-14																									
1509	<b>Electrical Equipment</b>		118.8	05-Jul-14 A	01-Dec-14																								
1510	<b>230 kV System</b>		40.0	30-Aug-14	01-Oct-14																								
1511	<b>Switchyard</b>		40.0	30-Aug-14	01-Oct-14																								
1512	SW.ELEC.10	Install Switchyard - By Client	40.0	30-Aug-14	01-Oct-14*																								
1513	<b>13.8 kV System</b>		117.5	05-Jul-14 A	30-Nov-14																								
1514	<b>GSU</b>		33.4	05-Jul-14 A	27-Aug-14																								
1515	GSU.FND.10	Excavate For Slab	0.0	05-Jul-14 A	07-Jul-14 A																								
1516	GSU.FND.20	Compact Soil Per Specification For Slab	0.0	07-Jul-14 A	08-Jul-14 A																								
1517	GSU.FND.30	Install Forms for Slab	0.0	08-Jul-14 A	10-Jul-14 A																								
1518	GSU.FND.50	Install Rebar/Anchors/Embeds & Joints For Slab	0.0	11-Jul-14 A	14-Jul-14 A																								
1519	GSU.FND.160	QA/QC Acceptance - Pad	0.0	14-Jul-14 A	14-Jul-14 A																								
1520	GSU.FND.60	Pour Concrete For Slab	0.0	14-Jul-14 A	14-Jul-14 A																								
1521	GSU.FND.180	Remove Forms for Slab	0.0	17-Jul-14 A	17-Jul-14 A																								
1522	GSU.FND.150	QA/QC Acceptance - Containment Wall	0.0	18-Jul-14 A	18-Jul-14 A																								
1523	GSU.FND.70	Slab Concrete Cure Time	0.0	14-Jul-14 A	18-Jul-14 A																								
1524	GSU.FND.260	Pour Concrete for Containment Wall	0.0	18-Jul-14 A	18-Jul-14 A																								
1525	GSU.FND.130	Pour Concrete for Pedestal	0.0	21-Jul-14 A	21-Jul-14 A																								
1526	GSU.FND.90	Install Rebar/Anchors/Embeds & Joints for Pedestal & Cotainment Wall	0.9	15-Jul-14 A	22-Jul-14																								
1527	GSU.FND.100	Install Forms For Pedestal & Containment Wall	0.9	15-Jul-14 A	22-Jul-14																								
1528	GSU.FND.170	Remove Forms on Pedestal	1.3	23-Jul-14	23-Jul-14																								

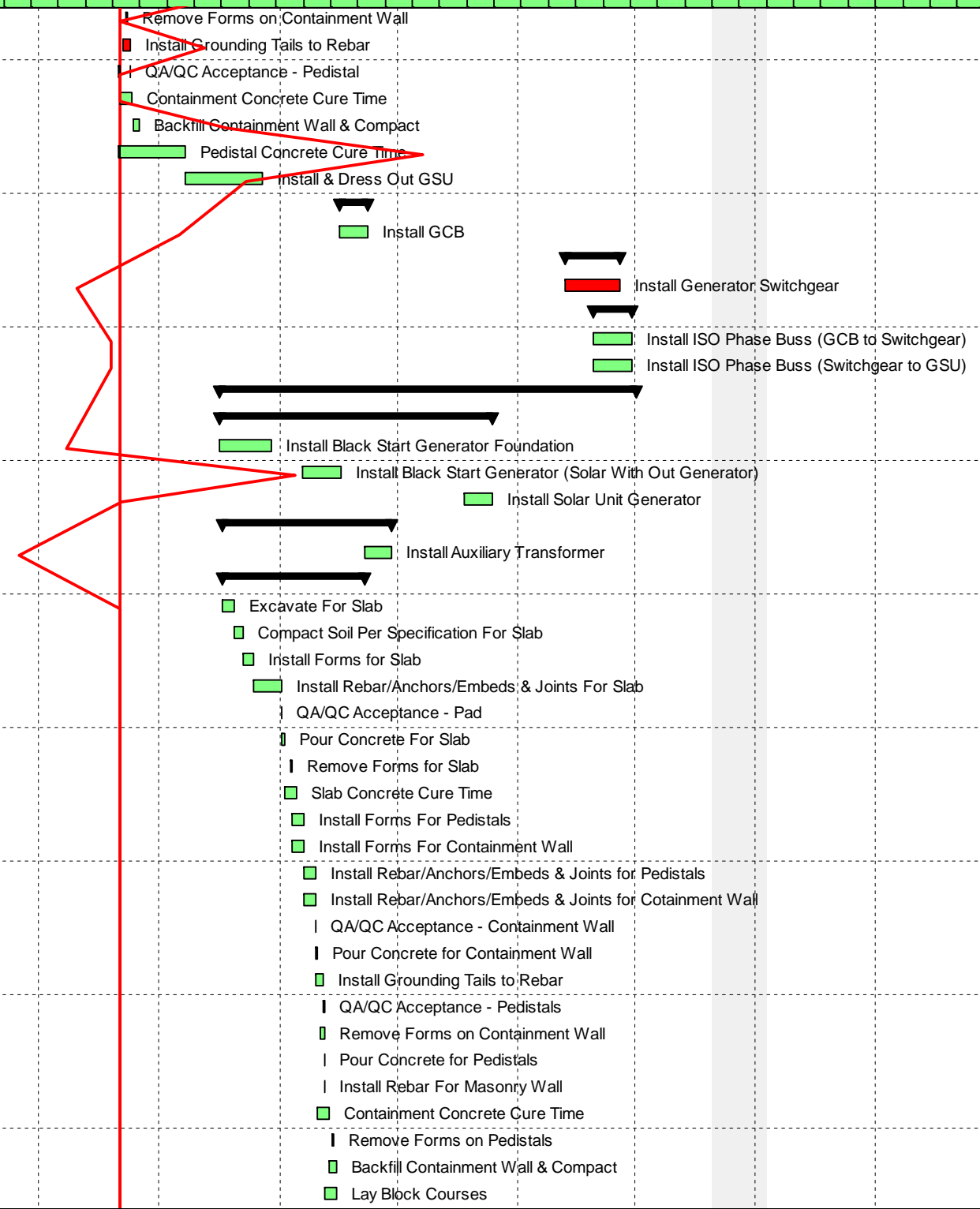
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone
- Summary

100 MW Combustion Turbine (Integrated)...

# 100 MW Combustion Turbine Project

22-Jul-14

#	Activity ID	Activity Name	Remaining Duration	Start	Finish	14														S					D					F																							
						8	25	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25	01	08	15	22							
1529	G.SU.FND.250	Remove Forms on Containment Wall	1.3	23-Jul-14	23-Jul-14																																																
1530	G.SU.FND.120	Install Grounding Tails to Rebar	2.5	22-Jul-14	24-Jul-14																																																
1531	G.SU.FND.270	QA/QC Acceptance - Pedistal	0.1	21-Jul-14 A	24-Jul-14																																																
1532	G.SU.FND.240	Containment Concrete Cure Time	9.0	22-Jul-14	25-Jul-14																																																
1533	G.SU.FND.230	Backfill Containment Wall & Compact	2.5	25-Jul-14	26-Jul-14																																																
1534	G.SU.FND.140	Pedistal Concrete Cure Time	49.8	21-Jul-14 A	07-Aug-14																																																
1535	G.SU.ELEC.20	Install & Dress Out GSU	25.0	07-Aug-14	27-Aug-14																																																
<b>13.8kV Generator Circuit Breaker</b>																																																					
1537	G.CB.20	Install GCB	8.8	16-Sep-14	23-Sep-14																																																
<b>13.8kV Generator Switchgear</b>																																																					
1539	G.WGR.20	Install Generator Switchgear	17.5	13-Nov-14	27-Nov-14																																																
<b>Iso Phase Buss</b>																																																					
1541	I.SB.10	Install ISO Phase Buss (GCB to Switchgear)	12.5	20-Nov-14	30-Nov-14																																																
1542	I.SB.20	Install ISO Phase Buss (Switchgear to GSU)	12.5	20-Nov-14	30-Nov-14																																																
<b>4160 V System</b>																																																					
<b>Black Start Generator</b>																																																					
1545	B.S.ELEC.10	Install Black Start Generator Foundation	17.5	16-Aug-14	29-Aug-14																																																
1546	B.S.ELEC.20	Install Black Start Generator (Solar With Out Generator)	12.5	06-Sep-14	16-Sep-14																																																
1547	B.S.ELEC.30	Install Solar Unit Generator	8.8	18-Oct-14	25-Oct-14																																																
<b>13.8kV to 4.16kV Auxillary Transformer</b>																																																					
1549	A.X.ELEC.40	Install Auxiliary Transformer	8.8	22-Sep-14	29-Sep-14																																																
<b>Auxillary Transformer's Foundation</b>																																																					
1551	A.UX.FND.10	Excavate For Slab	3.8	17-Aug-14	20-Aug-14																																																
1552	A.UX.FND.20	Compact Soil Per Specification For Slab	2.5	20-Aug-14	22-Aug-14																																																
1553	A.UX.FND.30	Install Forms for Slab	3.8	22-Aug-14	25-Aug-14																																																
1554	A.UX.FND.40	Install Rebar/Anchors/Embeds & Joints For Slab	8.8	25-Aug-14	01-Sep-14																																																
1555	A.UX.FND.50	QA/QC Acceptance - Pad	0.6	01-Sep-14	01-Sep-14																																																
1556	A.UX.FND.60	Pour Concrete For Slab	0.4	01-Sep-14	02-Sep-14																																																
1557	A.UX.FND.100	Remove Forms for Slab	0.5	03-Sep-14	04-Sep-14																																																
1558	A.UX.FND.70	Slab Concrete Cure Time	8.9	02-Sep-14	05-Sep-14																																																
1559	A.UX.FND.80	Install Forms For Pedistals	3.8	04-Sep-14	07-Sep-14																																																
1560	A.UX.FND.220	Install Forms For Containment Wall	3.8	04-Sep-14	07-Sep-14																																																
1561	A.UX.FND.90	Install Rebar/Anchors/Embeds & Joints for Pedistals	3.8	07-Sep-14	10-Sep-14																																																
1562	A.UX.FND.210	Install Rebar/Anchors/Embeds & Joints for Cotainment Wall	3.8	07-Sep-14	10-Sep-14																																																
1563	A.UX.FND.110	QA/QC Acceptance - Containment Wall	0.3	10-Sep-14	10-Sep-14																																																
1564	A.UX.FND.120	Pour Concrete for Containment Wall	0.8	10-Sep-14	10-Sep-14																																																
1565	A.UX.FND.130	Install Grounding Tails to Rebar	2.5	10-Sep-14	12-Sep-14																																																
1566	A.UX.FND.150	QA/QC Acceptance - Pedistals	0.3	12-Sep-14	12-Sep-14																																																
1567	A.UX.FND.180	Remove Forms on Containment Wall	1.3	11-Sep-14	12-Sep-14																																																
1568	A.UX.FND.160	Pour Concrete for Pedistals	0.8	12-Sep-14	12-Sep-14																																																
1569	A.UX.FND.230	Install Rebar For Masonry Wall	0.6	12-Sep-14	12-Sep-14																																																
1570	A.UX.FND.140	Containment Concrete Cure Time	9.0	10-Sep-14	13-Sep-14																																																
1571	A.UX.FND.190	Remove Forms on Pedistals	1.3	14-Sep-14	14-Sep-14																																																
1572	A.UX.FND.200	Backfill Containment Wall & Compact	2.5	13-Sep-14	15-Sep-14																																																
1573	A.UX.FND.240	Lay Block Courses	3.8	12-Sep-14	15-Sep-14																																																



**Legend:**

- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone
- Summary





#	Activity ID	Activity Name	Remaining Duration	Start	Finish	Calendar																																							
						14	June 2014					July 2014					August 2014					September 2014					October 2014					November 2014					December 2014					January 2015			
						8	25	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	04	11	18	25	01	08	15	22												
1619	CTG-DB-C.30	Install Pul Ropes & Ground Conductors in Conduits	2.5	22-Jul-14	23-Jul-14																																								
1620	<b>CTG Duct Bank D</b>		2.5	14-Jun-14 A	23-Jul-14																																								
1621	CTG-DB-D.10	Duct Bank Excavation	0.0	14-Jun-14 A	03-Jul-14 A																																								
1622	CTG-DB-D.20	Duct Bank Install Raceways, Braces & Forms (As Necessary)	0.0	03-Jul-14 A	14-Jul-14 A																																								
1623	CTG-DB-D.40	Duct Bank QA/QC	0.0	14-Jul-14 A	14-Jul-14 A																																								
1624	CTG-DB-D.50	Duct Bank Pour Concrete	0.0	15-Jul-14 A	15-Jul-14 A																																								
1625	CTG-DB-D.70	Remove Forms From Duct Banks (As Necessary)	0.0	16-Jul-14 A	16-Jul-14 A																																								
1626	CTG-DB-D.80	Duct Bank Back Fill	0.0	16-Jul-14 A	17-Jul-14 A																																								
1627	CTG-DB-D.60	Duct Bank Concrete Cure Time	0.0	15-Jul-14 A	17-Jul-14 A																																								
1628	CTG-DB-D.30	Install Pul Ropes & Ground Conductors in Conduits	2.5	22-Jul-14	23-Jul-14																																								
1629	<b>CTG Duct Bank E</b>		2.5	14-Jun-14 A	23-Jul-14																																								
1630	CTG-DB-E.10	Duct Bank Excavation	0.0	14-Jun-14 A	03-Jul-14 A																																								
1631	CTG-DB-E.40	Duct Bank QA/QC	0.0	16-Jul-14 A	16-Jul-14 A																																								
1632	CTG-DB-E.20	Duct Bank Install Raceways, Braces & Forms (As Necessary)	0.0	03-Jul-14 A	16-Jul-14 A																																								
1633	CTG-DB-E.50	Duct Bank Pour Concrete	0.0	16-Jul-14 A	16-Jul-14 A																																								
1634	CTG-DB-E.70	Remove Forms From Duct Banks (As Necessary)	0.0	17-Jul-14 A	17-Jul-14 A																																								
1635	CTG-DB-E.60	Duct Bank Concrete Cure Time	0.0	16-Jul-14 A	18-Jul-14 A																																								
1636	CTG-DB-E.80	Duct Bank Back Fill	0.0	21-Jul-14 A	21-Jul-14 A																																								
1637	CTG-DB-E.30	Install Pul Ropes & Ground Conductors in Conduits	2.5	22-Jul-14	23-Jul-14																																								
1638	<b>CTG Duct Bank F</b>		2.5	14-Jun-14 A	23-Jul-14																																								
1639	CTG-DB-F.10	Duct Bank Excavation	0.0	14-Jun-14 A	03-Jul-14 A																																								
1640	CTG-DB-F.20	Duct Bank Install Raceways, Braces & Forms (As Necessary)	0.0	03-Jul-14 A	14-Jul-14 A																																								
1641	CTG-DB-F.40	Duct Bank QA/QC	0.0	14-Jul-14 A	14-Jul-14 A																																								
1642	CTG-DB-F.50	Duct Bank Pour Concrete	0.0	15-Jul-14 A	16-Jul-14 A																																								
1643	CTG-DB-F.70	Remove Forms From Duct Banks (As Necessary)	0.0	17-Jul-14 A	17-Jul-14 A																																								
1644	CTG-DB-F.80	Duct Bank Back Fill	0.0	16-Jul-14 A	17-Jul-14 A																																								
1645	CTG-DB-F.60	Duct Bank Concrete Cure Time	0.0	15-Jul-14 A	17-Jul-14 A																																								
1646	CTG-DB-F.30	Install Pul Ropes & Ground Conductors in Conduits	2.5	22-Jul-14	23-Jul-14																																								
1647	<b>BOP Area</b>		17.5	07-Jul-14 A	09-Aug-14																																								
1648	<b>BOP Duct Bank A</b>		6.5	29-Jul-14	05-Aug-14																																								
1649	BOP-DB-A.10	Duct Bank Excavation	1.3	29-Jul-14	29-Jul-14																																								
1650	BOP-DB-A.20	Duct Bank Install Raceways, Braces & Forms (As Necessary)	2.5	30-Jul-14	31-Jul-14																																								
1651	BOP-DB-A.30	Install Pul Ropes & Ground Conductors in Conduits	1.3	31-Jul-14	31-Jul-14																																								
1652	BOP-DB-A.40	Duct Bank QA/QC	0.1	01-Aug-14	01-Aug-14																																								
1653	BOP-DB-A.50	Duct Bank Pour Concrete	0.1	01-Aug-14	01-Aug-14																																								
1654	BOP-DB-A.60	Duct Bank Concrete Cure Time	9.0	01-Aug-14	04-Aug-14																																								
1655	BOP-DB-A.70	Remove Forms From Duct Banks (As Necessary)	0.6	03-Aug-14	04-Aug-14																																								
1656	BOP-DB-A.80	Duct Bank Back Fill & Install Marker Tape	1.3	04-Aug-14	05-Aug-14																																								
1657	<b>BOP Duct Bank B</b>		6.5	29-Jul-14	05-Aug-14																																								
1658	BOP-DB-B.10	Duct Bank Excavation	1.3	29-Jul-14	29-Jul-14																																								
1659	BOP-DB-B.20	Duct Bank Install Raceways, Braces & Forms (As Necessary)	2.5	30-Jul-14	31-Jul-14																																								
1660	BOP-DB-B.30	Install Pul Ropes & Ground Conductors in Conduits	1.3	31-Jul-14	31-Jul-14																																								
1661	BOP-DB-B.40	Duct Bank QA/QC	0.1	01-Aug-14	01-Aug-14																																								
1662	BOP-DB-B.50	Duct Bank Pour Concrete	0.1	01-Aug-14	01-Aug-14																																								
1663	BOP-DB-B.60	Duct Bank Concrete Cure Time	9.0	01-Aug-14	04-Aug-14																																								

█ Actual Work      ◆ Milestone  
█ Remaining Work      ▼ Summary  
█ Critical Remaining Work









100 MW Combustion Turbine Project

22-Jul-14

#	Activity ID	Activity Name	Remaining Duration	Start	Finish	14																																		
						8	25	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11
1799	BOP-DB-Q.70	Remove Forms From Duct Banks (As Necessary)	1.3	31-Jul-14	01-Aug-14	█ Remove Forms From Duct Banks (As Necessary)																																		
1800	BOP-DB-Q.80	Duct Bank Back Fill & Install Marker Tape	1.3	01-Aug-14	02-Aug-14	█ Duct Bank Back Fill & Install Marker Tape																																		
1801	<b>Electrical Cables</b>		<b>61.3</b>	<b>10-Sep-14</b>	<b>29-Oct-14</b>	█ Install Electrical Cables																																		
1802	BOP.ELEC.20	Install Electrical Cables	61.3	10-Sep-14	29-Oct-14	█ Install Electrical Cables																																		
1803	<b>Grounding Grid</b>		<b>86.4</b>	<b>22-Jul-14</b>	<b>29-Sep-14</b>	█ Install Grounding Grid, Grounding Plates & Pigtails																																		
1804	<b>CTG Area Grounding</b>		<b>68.9</b>	<b>22-Jul-14</b>	<b>15-Sep-14</b>	█ Install Grounding Grid, Grounding Plates & Pigtails																																		
1805	GG.CTG.10	Install Grounding Grid, Grounding Plates & Pigtails	26.3	25-Aug-14	15-Sep-14	█ Install Grounding Grid, Grounding Plates & Pigtails																																		
1806	<b>Grounding Pig Tails</b>		<b>35.0</b>	<b>22-Jul-14</b>	<b>18-Aug-14</b>	█ Install 2 Grounding Pig Tails in CTG Foundation																																		
1807	<b>GSU</b>		<b>35.0</b>	<b>22-Jul-14</b>	<b>18-Aug-14</b>	█ Terminate Grounding Pig Tails on GSU																																		
1808	GG.GSU.560	Install 2 Grounding Pig Tails in CTG Foundation	17.5	22-Jul-14	04-Aug-14	█ Install 2 Grounding Pig Tails in CTG Foundation																																		
1809	GG.GSU.580	Terminate Grounding Pig Tails on GSU	17.5	05-Aug-14	18-Aug-14	█ Terminate Grounding Pig Tails on GSU																																		
1810	<b>Grounding Fence Posts</b>		<b>35.0</b>	<b>22-Jul-14</b>	<b>18-Aug-14</b>	█ Install 12 Grounding Tails to GSU Fence Posts																																		
1811	GG.GSU.600	Install 12 Grounding Tails to GSU Fence Posts	17.5	22-Jul-14	04-Aug-14	█ Install 12 Grounding Tails to GSU Fence Posts																																		
1812	GG.GSU.610	Install Ground Wire Across Each Horizontal Joint on Upper Fence Rail	17.5	05-Aug-14	18-Aug-14	█ Install Ground Wire Across Each Horizontal Joint on Upper Fence Rail																																		
1813	<b>Grounding Grid</b>		<b>17.5</b>	<b>22-Jul-14</b>	<b>04-Aug-14</b>	█ Install Grounding Grid That Travels Under or Through Foundation																																		
1814	GG.GSU.440	Install Grounding Grid That Travels Under or Through Foundation	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Grid That Travels Under or Through Foundation																																		
1815	GG.GSU.450	Install Grounding Grid Around Perimeter of Foundation	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Grid Around Perimeter of Foundation																																		
1816	GG.GSU.620	Install 2 Grounding Grid Ties From GSU Loop to Building Grounding Loop	17.5	22-Jul-14	04-Aug-14	█ Install 2 Grounding Grid Ties From GSU Loop to Building Grounding Loop																																		
1817	GG.GSU.630	Install Grounding Grid Tie From GSU Loop to Aux XMFR's Grounding Loop	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Grid Tie From GSU Loop to Aux XMFR's Grounding Loop																																		
1818	<b>CTG Building Area Grounding</b>		<b>86.4</b>	<b>22-Jul-14</b>	<b>29-Sep-14</b>	█ Install Grounding Grid, Grounding Plates & Pigtails																																		
1819	GG.BLDG.10	Install Grounding Grid, Grounding Plates & Pigtails	43.8	25-Aug-14	29-Sep-14	█ Install Grounding Grid, Grounding Plates & Pigtails																																		
1820	<b>Grounding Rods</b>		<b>17.5</b>	<b>22-Jul-14</b>	<b>04-Aug-14</b>	█ Install Grounding Rod GR-33																																		
1821	GG.GSU.670	Install Grounding Rod GR-33	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Rod GR-33																																		
1822	GG.GSU.680	Install Grounding Rod GR-34	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Rod GR-34																																		
1823	GG.GSU.690	Install Grounding Rod GR-35	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Rod GR-35																																		
1824	GG.GSU.700	Install Grounding Rod GR-36	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Rod GR-36																																		
1825	GG.GSU.710	Install Grounding Rod GR-37	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Rod GR-37																																		
1826	GG.GSU.720	Install Grounding Rod GR-38	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Rod GR-38																																		
1827	GG.GSU.730	Install Grounding Rod GR-39	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Rod GR-39																																		
1828	GG.GSU.840	Install Grounding Rod GR-40	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Rod GR-40																																		
1829	GG.GSU.850	Install Grounding Rod GR-41	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Rod GR-41																																		
1830	GG.GSU.860	Install Grounding Rod GR-42	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Rod GR-42																																		
1831	GG.GSU.870	Install Grounding Rod GR-43	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Rod GR-43																																		
1832	GG.GSU.880	Install Grounding Rod GR-44	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Rod GR-44																																		
1833	GG.GSU.890	Install Grounding Rod GR-45	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Rod GR-45																																		
1834	GG.GSU.900	Install Grounding Rod GR-46	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Rod GR-46																																		
1835	GG.GSU.910	Install Grounding Rod GR-47	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Rod GR-47																																		
1836	GG.GSU.920	Install Grounding Rod GR-48	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Rod GR-48																																		
1837	GG.GSU.930	Install Grounding Rod GR-49	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Rod GR-49																																		
1838	GG.GSU.940	Install Grounding Rod GR-50	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Rod GR-50																																		
1839	GG.GSU.950	Install Grounding Rod GR-51	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Rod GR-51																																		
1840	GG.GSU.960	Install Grounding Rod GR-52	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Rod GR-52																																		
1841	GG.GSU.1180	Install Grounding Rod GR-53	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Rod GR-53																																		
1842	<b>Grounding Test Wells</b>		<b>17.5</b>	<b>22-Jul-14</b>	<b>04-Aug-14</b>	█ Install Grounding Test Well GTW-5																																		
1843	GG.GSU.740	Install Grounding Test Well GTW-5	17.5	22-Jul-14	04-Aug-14	█ Install Grounding Test Well GTW-5																																		

█ Actual Work      ◆ Milestone  
█ Remaining Work      ▾ Summary  
█ Critical Remaining Work



# 100 MW Combustion Turbine Project

22-Jul-14

#	Activity ID	Activity Name	Remaining Duration	Start	Finish	Gantt Chart																																								
						14	June 2014	July 2014	August 2014	S	October 2014	N	D	January 2015	F																															
						8	25	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25	01	08	15	22
1844	GG.GSU.750	Install Grounding Test Well G TW-6	17.5	22-Jul-14	04-Aug-14																																									
1845	GG.GSU.970	Install Grounding Test Well G TW-7	17.5	22-Jul-14	04-Aug-14																																									
1846	GG.GSU.980	Install Grounding Test Well G TW-8	17.5	22-Jul-14	04-Aug-14																																									
1847	<b>Grounding Pig Tails</b>		35.0	22-Jul-14	18-Aug-14																																									
1848	<b>Intake</b>		35.0	22-Jul-14	18-Aug-14																																									
1849	GG.GSU.760	Install 4 Grounding Pig Tails For Intake Structure	17.5	22-Jul-14	04-Aug-14																																									
1850	GG.GSU.780	Terminate 4 Grounding Pig Tails on Intake Structure	17.5	05-Aug-14	18-Aug-14																																									
1851	<b>Exhaust</b>		35.0	22-Jul-14	18-Aug-14																																									
1852	GG.GSU.770	Install 4 Grounding Pig Tails For Exhaust Structure	17.5	22-Jul-14	04-Aug-14																																									
1853	GG.GSU.790	Terminate 4 Grounding Pig Tails on Exhaust Structure	17.5	05-Aug-14	18-Aug-14																																									
1854	<b>Rotar Air Cooler</b>		35.0	22-Jul-14	18-Aug-14																																									
1855	GG.GSU.990	Install 2 Grounding Pig Tails For Rotor Air Cooler	17.5	22-Jul-14	04-Aug-14																																									
1856	GG.GSU.1000	Terminate 2 Grounding Pig Tails on Grounding Plates	17.5	05-Aug-14	18-Aug-14																																									
1857	<b>Lube Oil Cooler</b>		35.0	22-Jul-14	18-Aug-14																																									
1858	GG.GSU.1010	Install 2 Grounding Pig Tails For Lube Oil Cooler	17.5	22-Jul-14	04-Aug-14																																									
1859	GG.GSU.1020	Terminate 2 Grounding Pig Tails on Lube Oil Cooler	17.5	05-Aug-14	18-Aug-14																																									
1860	<b>Electrical Room</b>		35.0	22-Jul-14	18-Aug-14																																									
1861	GG.GSU.1030	Install 12 Grounding Pig Tails For Electrical Room Ground Bus	17.5	22-Jul-14	04-Aug-14																																									
1862	GG.GSU.1040	Terminate 12 Grounding Pig Tails on Electrical Room Ground Bus	17.5	05-Aug-14	18-Aug-14																																									
1863	<b>Phase II Building Area</b>		35.0	22-Jul-14	18-Aug-14																																									
1864	GG.GSU.1050	Install 14 Grounding Pig Tails For Phase II Building Area	17.5	22-Jul-14	04-Aug-14																																									
1865	GG.GSU.1070	Terminate 2 Grounding Pig Tails on Grounding Lugs	17.5	22-Jul-14	04-Aug-14																																									
1866	GG.GSU.1080	Terminate 6 Grounding Pig Tails on Building Columns	17.5	22-Jul-14	04-Aug-14																																									
1867	GG.GSU.1060	Terminate 6 Grounding Pig Tails on Grounding Plates	17.5	05-Aug-14	18-Aug-14																																									
1868	<b>Air Compressor Area</b>		35.0	22-Jul-14	18-Aug-14																																									
1869	GG.GSU.1090	Install 7 Grounding Pig Tails For Air Compressor Area	17.5	22-Jul-14	04-Aug-14																																									
1870	GG.GSU.1110	Terminate 1 Grounding Pig Tail on Building Column	17.5	22-Jul-14	04-Aug-14																																									
1871	GG.GSU.1100	Terminate 6 Grounding Pig Tails on Grounding Plates	17.5	05-Aug-14	18-Aug-14																																									
1872	<b>Water Treatment Area</b>		35.0	22-Jul-14	18-Aug-14																																									
1873	GG.GSU.1120	Install 25 Grounding Pig Tails For Water Treatment Area	17.5	22-Jul-14	04-Aug-14																																									
1874	GG.GSU.1140	Terminate 19 Grounding Pig Tails on Grounding Plates	17.5	22-Jul-14	04-Aug-14																																									
1875	GG.GSU.1130	Terminate 6 Grounding Pig Tails on Building Columns	17.5	05-Aug-14	18-Aug-14																																									
1876	<b>Grounding Grid</b>		17.5	22-Jul-14	04-Aug-14																																									
1877	GG.GSU.640	Install Grounding Grid That Travels Under or Through Foundation	17.5	22-Jul-14	04-Aug-14																																									
1878	GG.GSU.650	Install Grounding Grid Around Perimeter of Foundation	17.5	22-Jul-14	04-Aug-14																																									
1879	GG.GSU.820	Install 2 Grounding Grid Ties From Building Loop to Switch Yard Perimeter Gro	17.5	22-Jul-14	04-Aug-14																																									
1880	<b>Grounding Bus</b>		17.5	22-Jul-14	04-Aug-14																																									
1881	GG.GSU.1150	Install Grounding Bus in Electrical Room	17.5	22-Jul-14	04-Aug-14																																									
1882	<b>Grounding Plates</b>		17.5	22-Jul-14	04-Aug-14																																									
1883	GG.GSU.1160	Install 31 Grounding Plates in Building Foundation	17.5	22-Jul-14	04-Aug-14																																									
1884	GG.GSU.1170	Install 2 Grounding Plates in Rotor Air Cooler Foundation	17.5	22-Jul-14	04-Aug-14																																									
1885	<b>Truck Unloading / Tank Farm Area Grounding</b>		68.9	22-Jul-14	15-Sep-14																																									
1886	GG.TUL.10	Install Grounding Grid, Grounding Plates & Pigtails	26.3	25-Aug-14	15-Sep-14																																									
1887	<b>Grounding Rods</b>		17.5	22-Jul-14	04-Aug-14																																									
1888	GG.GSU.1230	Install Grounding Rod GR-1	17.5	22-Jul-14	04-Aug-14																																									

█ Actual Work      ◆ Milestone  
█ Remaining Work      ▼ Summary  
█ Critical Remaining Work

100 MW Combustion Turbine (Integrated)...

# 100 MW Combustion Turbine Project

22-Jul-14

#	Activity ID	Activity Name	Remaining Duration	Start	Finish	Gantt Chart																																								
						14		June 2014				July 2014				August 2014				S				October 2014				N				D				January 2015				F						
						8	25	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25	01	08	15	22
1889	GG.GSU.1240	Install Grounding Rod GR-2	17.5	22-Jul-14	04-Aug-14																																									
1890	GG.GSU.1250	Install Grounding Rod GR-3	17.5	22-Jul-14	04-Aug-14																																									
1891	GG.GSU.1260	Install Grounding Rod GR-4	17.5	22-Jul-14	04-Aug-14																																									
1892	GG.GSU.1270	Install Grounding Rod GR-5	17.5	22-Jul-14	04-Aug-14																																									
1893	GG.GSU.1280	Install Grounding Rod GR-6	17.5	22-Jul-14	04-Aug-14																																									
1894	GG.GSU.1290	Install Grounding Rod GR-7	17.5	22-Jul-14	04-Aug-14																																									
1895	GG.GSU.1370	Install Grounding Rod GR-8	17.5	22-Jul-14	04-Aug-14																																									
1896	GG.GSU.1380	Install Grounding Rod GR-9	17.5	22-Jul-14	04-Aug-14																																									
1897	GG.GSU.1390	Install Grounding Rod GR-10	17.5	22-Jul-14	04-Aug-14																																									
1898	GG.GSU.1400	Install Grounding Rod GR-11	17.5	22-Jul-14	04-Aug-14																																									
1899	GG.GSU.1410	Install Grounding Rod GR-12	17.5	22-Jul-14	04-Aug-14																																									
1900	GG.GSU.1420	Install Grounding Rod GR-15	17.5	22-Jul-14	04-Aug-14																																									
1901	GG.GSU.1430	Install Grounding Rod GR-16	17.5	22-Jul-14	04-Aug-14																																									
1902	GG.GSU.1440	Install Grounding Rod GR-18	17.5	22-Jul-14	04-Aug-14																																									
1903	GG.GSU.1450	Install Grounding Rod GR-19	17.5	22-Jul-14	04-Aug-14																																									
1904	GG.GSU.1460	Install Grounding Rod GR-20	17.5	22-Jul-14	04-Aug-14																																									
1905	GG.GSU.1470	Install Grounding Rod GR-21	17.5	22-Jul-14	04-Aug-14																																									
1906	GG.GSU.1480	Install Grounding Rod GR-22	17.5	22-Jul-14	04-Aug-14																																									
1907	GG.GSU.1490	Install Grounding Rod GR-23	17.5	22-Jul-14	04-Aug-14																																									
1908	<b>Grounding Test Wells</b>		17.5	22-Jul-14	04-Aug-14																																									
1909	GG.GSU.1300	Install Grounding Test Well GTW-1	17.5	22-Jul-14	04-Aug-14																																									
1910	GG.GSU.1310	Install Grounding Test Well GTW-2	17.5	22-Jul-14	04-Aug-14																																									
1911	GG.GSU.1500	Install Grounding Test Well GTW-3	17.5	22-Jul-14	04-Aug-14																																									
1912	GG.GSU.1510	Install Grounding Test Well GTW-4	17.5	22-Jul-14	04-Aug-14																																									
1913	<b>Grounding Pig Tails</b>		35.0	22-Jul-14	18-Aug-14																																									
1914	<b>Tank Farm</b>		35.0	22-Jul-14	18-Aug-14																																									
1915	GG.GSU.1320	Install 8 Grounding Pig Tails For Liquid Fuel Tanks	17.5	22-Jul-14	04-Aug-14																																									
1916	GG.GSU.1340	Terminate 8 Grounding Pig Tails on Grounding Plates	17.5	05-Aug-14	18-Aug-14																																									
1917	<b>Truck Unloading</b>		35.0	22-Jul-14	18-Aug-14																																									
1918	GG.GSU.1330	Install 16 Grounding Pig Tails For Liquid Fuel Offloading Area	17.5	22-Jul-14	04-Aug-14																																									
1919	GG.GSU.1700	Terminate 4 Grounding Pig Tails on Liquid Fuel Offloading Columns	17.5	22-Jul-14	04-Aug-14																																									
1920	GG.GSU.1710	Terminate 5 Grounding Pig Tails on Grounding Plates	17.5	22-Jul-14	04-Aug-14																																									
1921	GG.GSU.1720	Terminate 2 Grounding Pig Tails on MCC	17.5	22-Jul-14	04-Aug-14																																									
1922	GG.GSU.1730	Terminate 2 Grounding Pig Tails on Ground Monitor	17.5	22-Jul-14	04-Aug-14																																									
1923	GG.GSU.1350	Terminate 3 Grounding Pig Tails on Ground Bus	17.5	05-Aug-14	18-Aug-14																																									
1924	<b>Grounding Grid</b>		17.5	22-Jul-14	04-Aug-14																																									
1925	GG.GSU.1210	Install Grounding Grid That Travels Under or Through Foundation	17.5	22-Jul-14	04-Aug-14																																									
1926	GG.GSU.1220	Install Grounding Grid Around Perimeter of Foundation	17.5	22-Jul-14	04-Aug-14																																									
1927	GG.GSU.1360	Install 2 Grounding Grid Ties From Liquid Fuel Loop to Switch Yard Perimeter (	17.5	22-Jul-14	04-Aug-14																																									
1928	<b>Grounding Plates</b>		17.5	22-Jul-14	04-Aug-14																																									
1929	GG.GSU.1680	Install 5 Grounding Plates in Building Foundation	17.5	22-Jul-14	04-Aug-14																																									
1930	GG.GSU.1690	Install 8 Grounding Plates in Liquid Fuel Tank Foundations	17.5	22-Jul-14	04-Aug-14																																									
1931	<b>Pipe Rack Grounding</b>		77.6	22-Jul-14	22-Sep-14																																									
1932	GG.TANK.10	Install Grounding Grid, Grounding Plates & Pigtails	35.0	25-Aug-14	22-Sep-14																																									
1933	<b>Grounding Rods</b>		35.0	22-Jul-14	18-Aug-14																																									

- █ Actual Work
- █ Remaining Work
- █ Critical Remaining Work
- ◆ Milestone
- Summary

100 MW Combustion Turbine (Integrated)...

# 100 MW Combustion Turbine Project

22-Jul-14

#	Activity ID	Activity Name	Remaining Duration	Start	Finish	Gantt Chart																																			
						14	8	25	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11
1934	GG.TANK.20	Install Grounding Rod GR-32	35.0	22-Jul-14	18-Aug-14																																				
1935	GG.TANK.30	Install Grounding Rod GR-24	35.0	22-Jul-14	18-Aug-14																																				
1936	GG.TANK.40	Install Grounding Rod GR-25	35.0	22-Jul-14	18-Aug-14																																				
1937	GG.TANK.50	Install Grounding Rod GR-26	35.0	22-Jul-14	18-Aug-14																																				
1938	GG.TANK.60	Install Grounding Rod GR-27	35.0	22-Jul-14	18-Aug-14																																				
1939	GG.TANK.70	Install Grounding Rod GR-28	35.0	22-Jul-14	18-Aug-14																																				
1940	GG.TANK.80	Install Grounding Rod GR-29	35.0	22-Jul-14	18-Aug-14																																				
1941	GG.TANK.90	Install Grounding Rod GR-30	35.0	22-Jul-14	18-Aug-14																																				
1942	GG.TANK.100	Install Grounding Rod GR-31	35.0	22-Jul-14	18-Aug-14																																				
1943	GG.TANK.130	Install Grounding Rod GR-13	35.0	22-Jul-14	18-Aug-14																																				
1944	GG.TANK.140	Install Grounding Rod GR-14	35.0	22-Jul-14	18-Aug-14																																				
1945	GG.TANK.150	Install Grounding Rod GR-17	35.0	22-Jul-14	18-Aug-14																																				
<b>Grounding Pig Tails</b>			35.0	22-Jul-14	18-Aug-14																																				
1947	GG.TANK.110	Install 16 Grounding Pig Tails For Pipe Rack	35.0	22-Jul-14	18-Aug-14																																				
1948	GG.TANK.120	Terminate 16 Grounding Pig Tails on Pipe Rack	35.0	22-Jul-14	18-Aug-14																																				
<b>GSU &amp; Aux XMFR Area Grounding</b>			60.1	22-Jul-14	08-Sep-14																																				
1950	GG.GSU.10	Install Grounding Grid, Grounding Plates & Pigtails	17.5	25-Aug-14	08-Sep-14																																				
<b>GSU Grounding</b>			35.0	22-Jul-14	18-Aug-14																																				
<b>Grounding Rods</b>			17.5	22-Jul-14	04-Aug-14																																				
1953	GG.GSU.60	Install Grounding Rod GR-54	17.5	22-Jul-14	04-Aug-14																																				
1954	GG.GSU.70	Install Grounding Rod GR-55	17.5	22-Jul-14	04-Aug-14																																				
1955	GG.GSU.80	Install Grounding Rod GR-56	17.5	22-Jul-14	04-Aug-14																																				
1956	GG.GSU.90	Install Grounding Rod GR-57	17.5	22-Jul-14	04-Aug-14																																				
1957	GG.GSU.100	Install Grounding Rod GR-58	17.5	22-Jul-14	04-Aug-14																																				
1958	GG.GSU.110	Install Grounding Rod GR-59	17.5	22-Jul-14	04-Aug-14																																				
1959	GG.GSU.120	Install Grounding Rod GR-60	17.5	22-Jul-14	04-Aug-14																																				
1960	GG.GSU.1190	Install Grounding Rod GR-61	17.5	22-Jul-14	04-Aug-14																																				
<b>Grounding Test Wells</b>			17.5	22-Jul-14	04-Aug-14																																				
1962	GG.GSU.130	Install Grounding Test Well GTW-9	17.5	22-Jul-14	04-Aug-14																																				
1963	GG.GSU.140	Install Grounding Test Well GTW-10	17.5	22-Jul-14	04-Aug-14																																				
<b>Grounding Pig Tails</b>			35.0	22-Jul-14	18-Aug-14																																				
<b>GSU</b>			35.0	22-Jul-14	18-Aug-14																																				
1966	GG.GSU.150	Install 2 Grounding Pig Tails in GSU Pedestal	17.5	22-Jul-14	04-Aug-14																																				
1967	GG.GSU.170	Terminate Grounding Pig Tails on GSU	17.5	05-Aug-14	18-Aug-14																																				
<b>Dead End Structure</b>			35.0	22-Jul-14	18-Aug-14																																				
1969	GG.GSU.160	Install Grounding Pig Tail For Dead End Structure	17.5	22-Jul-14	04-Aug-14																																				
1970	GG.GSU.180	Terminate Grounding Pig Tail on Dead End Structure	17.5	05-Aug-14	18-Aug-14																																				
<b>Grounding Fence Posts</b>			35.0	22-Jul-14	18-Aug-14																																				
1972	GG.GSU.190	Install 12 Grounding Tails to GSU Fence Posts	17.5	22-Jul-14	04-Aug-14																																				
1973	GG.GSU.200	Install Ground Wire Across Each Horizontal Joint on Upper Fence Rail	17.5	05-Aug-14	18-Aug-14																																				
<b>Grounding Grid</b>			17.5	22-Jul-14	04-Aug-14																																				
1975	GG.GSU.20	Install Grounding Grid That Travels Under or Through Foundation	17.5	22-Jul-14	04-Aug-14																																				
1976	GG.GSU.40	Install Grounding Grid Around Perimeter of Foundation	17.5	22-Jul-14	04-Aug-14																																				
1977	GG.GSU.210	Install 2 Grounding Grid Ties From GSU Loop to Building Grounding Loop	17.5	22-Jul-14	04-Aug-14																																				
1978	GG.GSU.220	Install Grounding Grid Tie From GSU Loop to Aux XMFR's Grounding Loop	17.5	22-Jul-14	04-Aug-14																																				

- Actual Work
- Remaining Work
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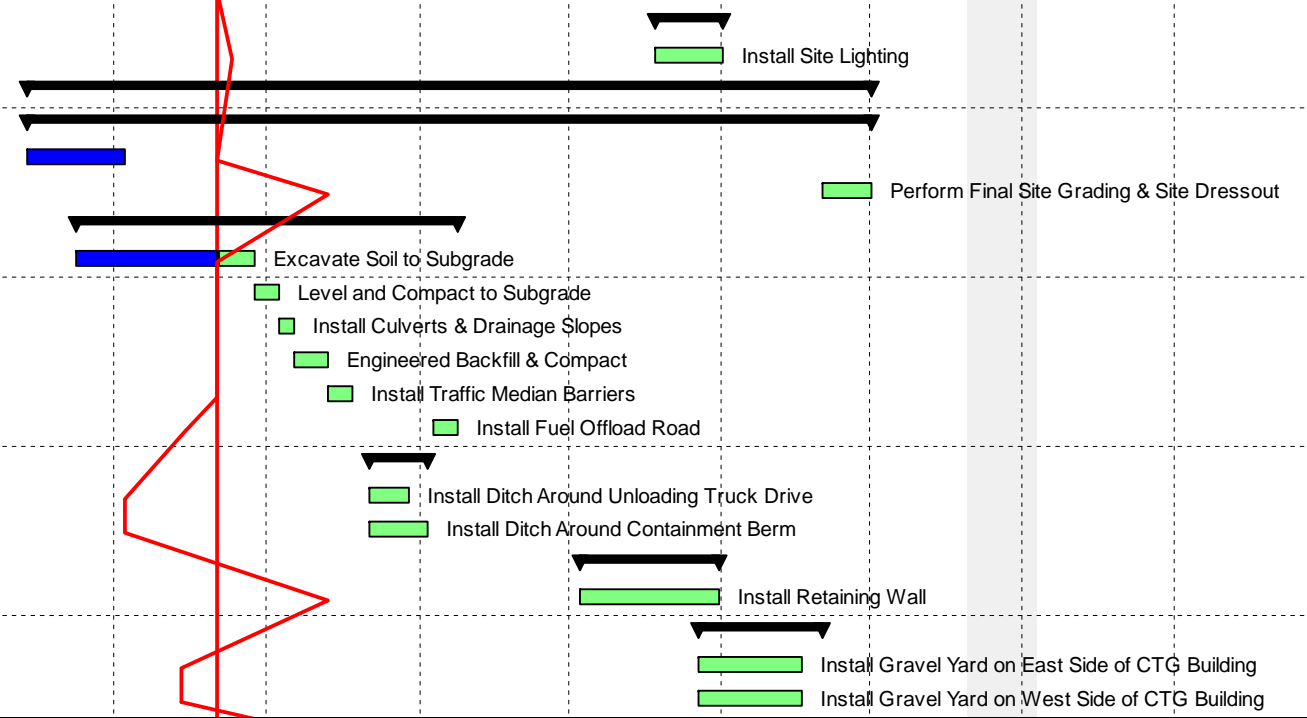
100 MW Combustion Turbine (Integrated)...



# 100 MW Combustion Turbine Project

22-Jul-14

#	Activity ID	Activity Name	Remaining Duration	Start	Finish	100 MW Combustion Turbine Project																																								
						14	June 2014					July 2014					August 2014			S			October 2014			N			D			January 2015			F											
						8	25	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25	01	08	15	22
1979	<b>Aux XMFR's Grounding</b>			35.0	22-Jul-14	18-Aug-14																																								
1980	<b>Grounding Rods</b>			17.5	22-Jul-14	04-Aug-14																																								
1981	GG.GSU.260	Install Grounding Rod GR-62	17.5	22-Jul-14	04-Aug-14																																									
1982	GG.GSU.270	Install Grounding Rod GR-63	17.5	22-Jul-14	04-Aug-14																																									
1983	GG.GSU.280	Install Grounding Rod GR-64	17.5	22-Jul-14	04-Aug-14																																									
1984	GG.GSU.290	Install Grounding Rod GR-65	17.5	22-Jul-14	04-Aug-14																																									
1985	GG.GSU.300	Install Grounding Rod GR-66	17.5	22-Jul-14	04-Aug-14																																									
1986	GG.GSU.1200	Install Grounding Rod GR-67	17.5	22-Jul-14	04-Aug-14																																									
1987	<b>Grounding Test Wells</b>			17.5	22-Jul-14	04-Aug-14																																								
1988	GG.GSU.330	Install Grounding Test Well G TW-11	17.5	22-Jul-14	04-Aug-14																																									
1989	GG.GSU.340	Install Grounding Test Well G TW-12	17.5	22-Jul-14	04-Aug-14																																									
1990	<b>Grounding Pig Tails</b>			35.0	22-Jul-14	18-Aug-14																																								
1991	<b>Aux XMFR</b>			35.0	22-Jul-14	18-Aug-14																																								
1992	GG.GSU.350	Install 4 Grounding Pig Tails in Aux XMFR's Pedistals	17.5	22-Jul-14	04-Aug-14																																									
1993	GG.GSU.370	Terminate Grounding Pig Tails on Aux XMFR's	17.5	05-Aug-14	18-Aug-14																																									
1994	<b>Cable Bus Structure</b>			35.0	22-Jul-14	18-Aug-14																																								
1995	GG.GSU.420	Install 3 Grounding Pit Tails in Aux XMFR's Containment	17.5	22-Jul-14	04-Aug-14																																									
1996	GG.GSU.430	Terminate 3 Grounding Pig Tails on Cable Bus Support Structure	17.5	05-Aug-14	18-Aug-14																																									
1997	<b>Grounding Fence Posts</b>			17.5	22-Jul-14	04-Aug-14																																								
1998	GG.GSU.390	Install 10 Grounding Tails to GSU Fence Posts	17.5	22-Jul-14	04-Aug-14																																									
1999	<b>Grounding Grid</b>			17.5	22-Jul-14	04-Aug-14																																								
2000	GG.GSU.230	Install Grounding Grid That Travels Under or Through Foundation	17.5	22-Jul-14	04-Aug-14																																									
2001	GG.GSU.240	Install Grounding Grid Around Perimeter of Foundation	17.5	22-Jul-14	04-Aug-14																																									
2002	GG.GSU.410	Install 2 Grounding Grid Ties From Aux XMFR Loop to Building Grounding Loop	17.5	22-Jul-14	04-Aug-14																																									
2003	<b>Site Lighting</b>			17.5	18-Oct-14	01-Nov-14																																								
2004	YDLT.10	Install Site Lighting	17.5	18-Oct-14	01-Nov-14																																									
2005	<b>Civil</b>			165.6	13-Jun-14 A	01-Dec-14																																								
2006	<b>Grading</b>			12.5	13-Jun-14 A	01-Dec-14																																								
2007	CIVIL.20	Perform Initial Site Grading/Grubbing	0.0	13-Jun-14 A	03-Jul-14 A																																									
2008	CIVIL.30	Perform Final Site Grading & Site Dressout	12.5	21-Nov-14	01-Dec-14																																									
2009	<b>Fuel Offload Truck Turnaround</b>			61.0	23-Jun-14 A	08-Sep-14																																								
2010	ROAD.20	Excavate Soil to Subgrade	9.4	23-Jun-14 A	29-Jul-14																																									
2011	ROAD.30	Level and Compact to Subgrade	6.3	29-Jul-14	03-Aug-14																																									
2012	ROAD.40	Install Culverts & Drainage Slopes	3.8	03-Aug-14	06-Aug-14																																									
2013	ROAD.50	Engineered Backfill & Compact	8.8	06-Aug-14	13-Aug-14																																									
2014	ROAD.60	Install Traffic Median Barriers	6.3	13-Aug-14	18-Aug-14																																									
2015	ROAD.10	Install Fuel Offload Road	6.3	03-Sep-14	08-Sep-14																																									
2016	<b>Ditches</b>			15.0	21-Aug-14	02-Sep-14																																								
2017	DTCH.10	Install Ditch Around Unloading Truck Drive	10.0	21-Aug-14	29-Aug-14																																									
2018	DTCH.20	Install Ditch Around Containment Berm	15.0	21-Aug-14	02-Sep-14																																									
2019	<b>Retaining Wall</b>			35.0	03-Oct-14	31-Oct-14																																								
2020	WALL.10	Install Retaining Wall	35.0	03-Oct-14	31-Oct-14																																									
2021	<b>Gravel Yard Area</b>			31.6	27-Oct-14	21-Nov-14																																								
2022	GVLVD.10	Install Gravel Yard on East Side of CTG Building	26.3	27-Oct-14	17-Nov-14																																									
2023	GVLVD.30	Install Gravel Yard on West Side of CTG Building	26.3	27-Oct-14	17-Nov-14																																									



█ Actual Work      ◆ Milestone  
█ Remaining Work      ▬ Summary  
█ Critical Remaining Work

100 MW Combustion Turbine (Integrated)...



# 100 MW Combustion Turbine Project

22-Jul-14

#	Activity ID	Activity Name	Remaining Duration	Start	Finish	Gantt Chart																																			
						14	8	25	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11
2069	<b>Demin Water Pumps</b>		18.8	28-Oct-14	12-Nov-14																																				
2070	DWP.10	Install Demin Water Pumps	18.8	28-Oct-14	12-Nov-14	Install Demin Water Pumps																																			
2071	<b>Demin Water Piping</b>		35.0	02-Oct-14	30-Oct-14																																				
2072	DW.PIPE.10	Install Demin Water Piping	35.0	02-Oct-14	30-Oct-14	Install Demin Water Piping																																			
2073	<b>Raw Water System</b>		44.6	02-Oct-14	07-Nov-14																																				
2074	<b>Raw Water Piping</b>		44.6	02-Oct-14	07-Nov-14																																				
2075	RW.PIPE.10	Install Raw Water Piping	26.3	02-Oct-14	23-Oct-14	Install Raw Water Piping																																			
2076	RW.PMP.10	Install Raw Water Pumps	26.3	17-Oct-14	07-Nov-14	Install Raw Water Pumps																																			
2077	<b>Oily/Water System</b>		45.4	19-Oct-14	24-Nov-14																																				
2078	WW.10	Install Oily/Water Piping	43.8	19-Oct-14	22-Nov-14	Install Oily/Water Piping																																			
2079	WW.20	Install Oily/Water Equipment	21.9	06-Nov-14	24-Nov-14	Install Oily/Water Equipment																																			
2080	<b>Compressed Air System</b>		79.1	17-Sep-14	19-Nov-14																																				
2081	CA.20	Install Compressed Air Equipment	37.5	17-Sep-14	16-Oct-14	Install Compressed Air Equipment																																			
2082	CA.10	Install Compressed Air Piping	60.0	02-Oct-14	19-Nov-14	Install Compressed Air Piping																																			
2083	<b>Liquid Fuel System</b>		108.8	18-Jun-14 A	19-Nov-14																																				
2084	<b>Liquid Fuel Tanks</b>		106.2	18-Jun-14 A	17-Nov-14																																				
2085	<b>Tank #1</b>		106.2	18-Jun-14 A	17-Nov-14																																				
2086	TANK1.10	Excavate For Foundation	0.0	18-Jun-14 A	02-Jul-14 A	Install Forms For Foundation																																			
2087	TANK1.30	Compact Soil Per Specification For Foundation	0.0	02-Jul-14 A	05-Jul-14 A	Install Rebar/Anchors/Embeds/Grinding Tails & Joints																																			
2088	TANK1.40	Install Forms For Foundation	3.4	16-Jul-14 A	24-Jul-14	QA/QC Acceptance																																			
2089	TANK1.20	Install Rebar/Anchors/Embeds/Grinding Tails & Joints	0.5	16-Jul-14 A	25-Jul-14	Pour Concrete For Foundation																																			
2090	TANK1.70	QA/QC Acceptance	0.3	25-Jul-14	25-Jul-14	Remove Forms From Foundation																																			
2091	TANK1.60	Pour Concrete For Foundation	0.4	25-Jul-14	25-Jul-14	Foundation Concrete Cure Time																																			
2092	TANK1.80	Remove Forms From Foundation	1.3	26-Jul-14	27-Jul-14	Install Geotextile, Geomembrane & Back Fill & Compact to Specifications																																			
2093	TANK1.50	Foundation Concrete Cure Time	9.0	25-Jul-14	28-Jul-14	Liquid Fuel Tank Foundation Complete																																			
2094	TANK1.130	Install Geotextile, Geomembrane & Back Fill & Compact to Specifications	1.3	29-Jul-14	30-Jul-14	Install Fuel Tank																																			
2095	TANK1.150	Liquid Fuel Tank Foundation Complete	0.0		30-Jul-14	Paint Interior & Exterior of Tank & Cure																																			
2096	TANK1.160	Install Fuel Tank	37.5	03-Oct-14	02-Nov-14	Install Fuel Tank																																			
2097	TANK1.170	Paint Interior & Exterior of Tank & Cure	18.8	02-Nov-14	17-Nov-14	Paint Interior & Exterior of Tank & Cure																																			
2098	<b>Tank #2</b>		104.9	18-Jun-14 A	17-Nov-14																																				
2099	TANK2.10	Excavate For Foundation	0.0	18-Jun-14 A	02-Jul-14 A	Install Forms For Foundation																																			
2100	TANK2.20	Compact Soil Per Specification For Foundation	0.0	02-Jul-14 A	02-Jul-14 A	Install Rebar/Anchors/Embeds/Grinding Tails & Joints																																			
2101	TANK2.40	Install Forms For Foundation	0.0	03-Jul-14 A	10-Jul-14 A	QA/QC Acceptance																																			
2102	TANK2.30	Install Rebar/Anchors/Embeds/Grinding Tails & Joints	0.0	11-Jul-14 A	17-Jul-14 A	Pour Concrete For Foundation																																			
2103	TANK2.50	QA/QC Acceptance	0.0	16-Jul-14 A	18-Jul-14 A	Remove Forms From Foundation																																			
2104	TANK2.60	Pour Concrete For Foundation	0.0	22-Jul-14 A	23-Jul-14 A	Foundation Concrete Cure Time																																			
2105	TANK2.80	Remove Forms From Foundation	1.3	23-Jul-14	23-Jul-14	Install Geotextile, Geomembrane & Back Fill & Compact to Specifications																																			
2106	TANK2.70	Foundation Concrete Cure Time	5.2	22-Jul-14 A	25-Jul-14	Liquid Fuel Tank Foundation Complete																																			
2107	TANK2.90	Install Geotextile, Geomembrane & Back Fill & Compact to Specifications	1.3	26-Jul-14	26-Jul-14	Install Fuel Tank																																			
2108	TANK2.100	Liquid Fuel Tank Foundation Complete	0.0		26-Jul-14	Paint Interior & Exterior of Tank & Cure																																			
2109	TANK2.110	Install Fuel Tank	37.5	03-Oct-14	02-Nov-14	Install Fuel Tank																																			
2110	TANK2.120	Paint Interior & Exterior of Tank & Cure	18.8	02-Nov-14	17-Nov-14	Paint Interior & Exterior of Tank & Cure																																			
2111	<b>Containment Berm</b>		146.9	02-Jul-14 A	16-Nov-14																																				
2112	BRM.30	Excavate Berm Area Soil to Grade	0.0	02-Jul-14 A	05-Jul-14 A	Backfill & Compact Berm Area Base																																			
2113	BRM.40	Backfill & Compact Berm Area Base	3.8	22-Jul-14	24-Jul-14	Backfill & Compact Berm Area Base																																			

- █ Actual Work
- █ Remaining Work
- █ Critical Remaining Work
- ◆ Milestone
- ▬ Summary

100 MW Combustion Turbine (Integrated)...





#	Activity ID	Activity Name	Remaining Duration	Start	Finish	Calendar																																	
						14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
2159	CNTRL.10	Install Supporting Control System Hardware	35.0	08-Oct-14	05-Nov-14	Install Supporting Control System Hardware																																	
2160	<b>CTG</b>		111.3	14-Jun-14 A	23-Nov-14																																		
2161	<b>Unit 100</b>		111.3	14-Jun-14 A	23-Nov-14																																		
2162	<b>CTG</b>		111.3	14-Jun-14 A	23-Nov-14																																		
2163	<b>Foundation</b>		34.5	14-Jun-14 A	28-Aug-14																																		
2164	GTGFND.10	Foundation Excavation	0.0	14-Jun-14 A	03-Jul-14 A																																		
2165	GTGFND.30	Foundation Compact Soil	0.0	26-Jun-14 A	04-Jul-14 A																																		
2166	GTGFND.40	Foundation Install Water Sumps (TBD)	0.0	04-Jul-14 A	05-Jul-14 A																																		
2167	GTGFND.60	Install Rebar For Base	0.0	18-Jul-14 A	22-Jul-14 A																																		
2168	GTGFND.50	Foundation Instal Base Forms	0.4	14-Jul-14 A	22-Jul-14	Foundation Instal Base Forms																																	
2169	GTGFND.70	Install Grounding Conduit Stub Ups	0.0	18-Jul-14 A	22-Jul-14 A																																		
2170	GTGFND.100	Install 21 Grounding Tails To Plates/Bus & 12 Pigtailes	2.5	22-Jul-14	23-Jul-14	Install 21 Grounding Tails To Plates/Bus & 12 Pigtailes																																	
2171	GTGFND.80	Install Floor Drains (As Required)	3.8	22-Jul-14	24-Jul-14	Install Floor Drains (As Required)																																	
2172	GTGFND.20	Foundation Base QA/QC	1.3	25-Jul-14	25-Jul-14	Foundation Base QA/QC																																	
2173	GTGFND.110	Foundation Base Pour Concrete	1.3	25-Jul-14	26-Jul-14	Foundation Base Pour Concrete																																	
2174	GTGFND.130	Foundation Base Remove Forms	5.0	29-Jul-14	01-Aug-14	Foundation Base Remove Forms																																	
2175	GTGFND.160	Install Pedestal Foundations Forms	3.8	02-Aug-14	04-Aug-14	Install Pedestal Foundations Forms																																	
2176	GTGFND.150	Foundation Back Fill & Compact	5.0	02-Aug-14	05-Aug-14	Foundation Back Fill & Compact																																	
2177	GTGFND.170	Install Pedestal Foundations Rebar, Imbeds & Anchors	2.5	05-Aug-14	06-Aug-14	Install Pedestal Foundations Rebar, Imbeds & Anchors																																	
2178	GTGFND.180	Install Pedestal Foundations Electrical Conduit & Grounding	1.3	06-Aug-14	06-Aug-14	Install Pedestal Foundations Electrical Conduit & Grounding																																	
2179	GTGFND.190	Foundation Pedestals QA/QC	0.3	07-Aug-14	07-Aug-14	Foundation Pedestals QA/QC																																	
2180	GTGFND.200	Foundation Pedestals Pour Concrete	0.5	07-Aug-14	07-Aug-14	Foundation Pedestals Pour Concrete																																	
2181	GTGFND.220	Foundation Pedestals Remove Forms	1.3	10-Aug-14	11-Aug-14	Foundation Pedestals Remove Forms																																	
2182	GTGFND.120	Foundation Base Concrete Cure Time	63.0	26-Jul-14	16-Aug-14	Foundation Base Concrete Cure Time																																	
2183	GTGFND.210	Foundation Pedestals Concrete Cure Time	63.0	07-Aug-14	28-Aug-14	Foundation Pedestals Concrete Cure Time																																	
2184	<b>Unit Installation</b>		130.6	11-Aug-14	23-Nov-14																																		
2185	GTG100.230	Set Starting Package Fixators	3.8	11-Aug-14	14-Aug-14	Set Starting Package Fixators																																	
2186	GTG100.180	Set CT Leveling Wedges (Incl. Fnd. Prep)	5.0	11-Aug-14	15-Aug-14	Set CT Leveling Wedges (Incl. Fnd. Prep)																																	
2187	GTG100.190	Set Generator Fixators (Inc. Fnd. Prep Only)	5.0	11-Aug-14	15-Aug-14	Set Generator Fixators (Inc. Fnd. Prep Only)																																	
2188	GTG100.210	Set CT (Includes Heavy Lift Prep)	8.1	28-Aug-14	04-Sep-14	Set CT (Includes Heavy Lift Prep)																																	
2189	GTG100.200	Install CT Inlet Lower & Upper Manifold	3.0	04-Sep-14	06-Sep-14	Install CT Inlet Lower & Upper Manifold																																	
2190	GTG100.250	Set Pipe Rack	3.5	04-Sep-14	06-Sep-14	Set Pipe Rack																																	
2191	GTG100.470	Set Hydraulic Control Skid	4.6	04-Sep-14	07-Sep-14	Set Hydraulic Control Skid																																	
2192	GTG100.320	Install Exhaust Manifold & Supports	5.0	04-Sep-14	08-Sep-14	Install Exhaust Manifold & Supports																																	
2193	GTG100.220	Set Generator	3.5	06-Sep-14	09-Sep-14	Set Generator																																	
2194	GTG100.280	Set Starting Package	1.1	09-Sep-14	10-Sep-14	Set Starting Package																																	
2195	GTG100.300	Set Mechanical Package	3.0	09-Sep-14	11-Sep-14	Set Mechanical Package																																	
2196	GTG100.270	Preliminary Align Generator to CT	3.8	09-Sep-14	12-Sep-14	Preliminary Align Generator to CT																																	
2197	GTG100.370	Set Fuel Oil Supply Skid & FOWI Skid	7.0	06-Sep-14	12-Sep-14	Set Fuel Oil Supply Skid & FOWI Skid																																	
2198	GTG100.240	Set CT to Final Elevation & Location	5.0	09-Sep-14	13-Sep-14	Set CT to Final Elevation & Location																																	
2199	GTG100.460	Set CT Compressor Water Wash Skid	4.6	10-Sep-14	13-Sep-14	Set CT Compressor Water Wash Skid																																	
2200	GTG100.290	Preliminary Align Starting Package to Generator	5.9	09-Sep-14	13-Sep-14	Preliminary Align Starting Package to Generator																																	
2201	GTG100.450	Install Generator Coolers	5.9	09-Sep-14	13-Sep-14	Install Generator Coolers																																	
2202	GTG100.970	Install I/C Hydraulic Control Tubing	8.8	07-Sep-14	14-Sep-14	Install I/C Hydraulic Control Tubing																																	
2203	GTG100.420	Set Lube Oil Cooler	4.6	11-Sep-14	15-Sep-14	Set Lube Oil Cooler																																	

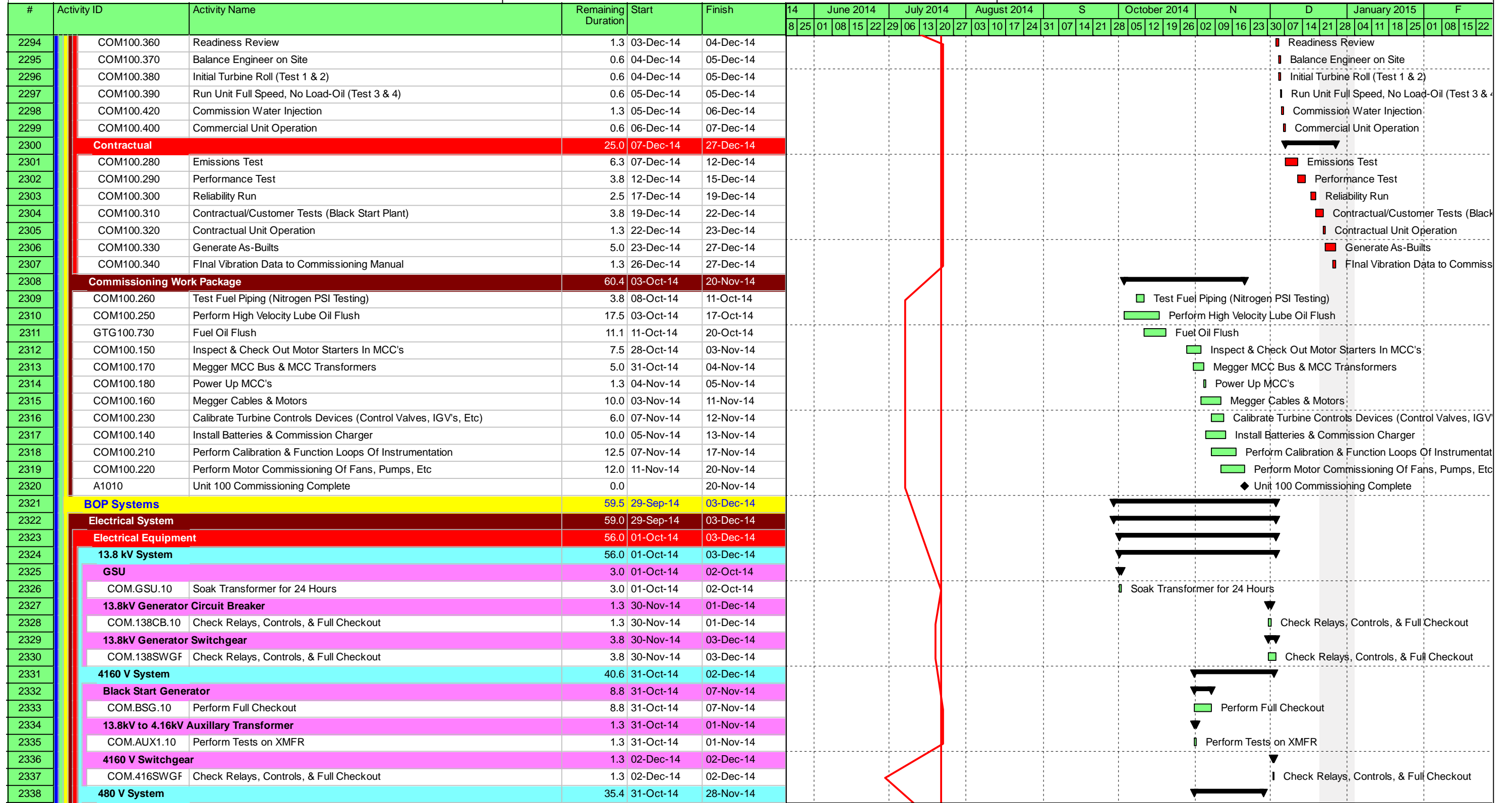
█ Actual Work      ◆ Milestone  
█ Remaining Work      ▼ Summary  
█ Critical Remaining Work





100 MW Combustion Turbine Project

22-Jul-14



█ Actual Work     ◆ Milestone  
█ Remaining Work     ─ Summary  
█ Critical Remaining Work

100 MW Combustion Turbine (Integrated)...







# Risk Analysis




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**DOCUMENT COVER SHEET**

PROJECT No: \_\_\_\_\_

PROJECT TITLE: New 100 MW Gas Turbine at Holyrood

WORLEYPARSONS DOCUMENT No: \_\_\_\_\_

DOCUMENT TITLE: Risk Management Plan

ELECTRONIC FILE LOCATION: \_\_\_\_\_

Originator: \_\_\_\_\_ Issue Date: \_\_\_\_\_

**DOCUMENT STATUS**

REV	DATE	DESCRIPTION	BY	CHKD	APPD
A					



## Risk Register Overview Information

### Overview

**Risk register owner** Stephen Parsons  
**Risk register custodian** Stephen Parsons

### Roles and responsibilities

**Risk register owner**

- Allocates resources and assigns responsibilities for implementation, operation and ongoing management of identified risks within this register
- Escalates material risks to the project manager

**Risk register custodian**

- Organizes the risk register workshop using a WorleyParsons approved facilitator
- Manages and leads the ongoing review and monitoring of the risk register
- Provides the risk register owner with register status information (e.g.: number of incomplete actions past agreed completion date)

**Risk action owner**  
*(‘Responsible person’ listed on the register)*

- Individual assigned with the responsibility of ensuring the risk mitigating actions are undertaken (they may delegate and/or share action implementation)

### Standards and procedures

The WorleyParsons risk management standards and procedures form the basis of the risk workshop and risk register. The relevant documents are summarized below.

- Risk Management Standard (CRP-0007)
- Project Risk Management Procedure (CRP-0011)
- Risk Management Plan Task Sheet (PAP-9002)

### Risk Management Requirements

**Risk workshop**

- A risk workshop is undertaken at the start of a project and at the start of the next phase of a project
- The workshop must be facilitated by a WorleyParsons approved risk facilitator

**Risk register review**

- The risk register is reviewed monthly by an appropriate group of project team members commensurate with the size and complexity of the project
- The register is reviewed for
  - action status and progress
  - changes (increase or decrease in risk level)
  - new risks (addition of any emerging risks)
  - invalid risks (closing of risks which are no longer valid)

### Risk management approach

**Action management**

The risk process is used to identify the different types of risks which may impact on the success of the project. Risks are defined by four levels (extreme, high, moderate and low). Risk mitigating actions are then prioritized for implementation based on the level of risk evaluated (e.g.: extreme risks are scheduled for completion before low risks)

**Project change**

The risk classification form is updated if the project:

- experiences major change
- commences a new phase

This may lead to the need for a new risk workshop to be undertaken



Index

<b>Client:</b>	Nalcor Energy
<b>Project No:</b>	
<b>Project Title:</b>	New 100 MW Gas Turbine
<b>Date:</b>	26-June-2014

Initial Risk Workshop Details

Initial

<b>Facilitator/s:</b>	<b>Title</b>	<b>Attended</b>
Enter facilitator name	Stephen Fitzpatrick	Yes

<b>Attendees- Name:</b>	<b>Title:</b>	<b>Attended</b>
Stephen Parsons	PM	Yes
Trevor Andrews	T&D	Yes
Terry Abbott	Electrical	Yes
Caryn Phillips	P&C	Yes
Gerard Piercey	Civil	Yes
Todd Collins	Engineering and Construction Coordinator	Yes
Terry Ledrew	Plant Mgr	Yes
Glen Hicks	Communications	Yes
Kerry Martin	Pro Energy Services - Quality	Yes
Sarah Giles	Safety	Yes



### Context for Risk Workshop:

The purpose of this risk workshop is to install a new 100MW gas turbine at Holyrood next to existing terminal station and generating facility. This project must be ready for operation by mid December 2014 to meet high peak demand period. The existing black start turbine is no longer operational and the leased black start diesels must be replaced. There is also a need to increase island capacity to the grid until Muskrat Falls comes on line.

#### Key Success Factors:

- 1 Zero Harm - meeting HSE objectives for Nalcor
- 2 Communication - many parties involved and they need to know what each other are doing.
- 3 Meet the deadline
- 4 Meet budget target
- 5 Asset will work as required and be reliable.
- 6 Maintainable
- 7 Seamless integration to operations

#### Stakeholders:

- 1 PUB
- 2 Intervenors
- 3 Rate Payers
- 4 General public
- 5 Municipalities of Holyrood and CBS
- 6 Holyrood Generating Station Operations and employees
- 7 Government Regulators - Environment, Safety, Transportation
- 8 NL Hydro
- 9 TRO
- 10 Contractors
- 11 ProEnergy/Pennecon
- 12 FM Global
- 13 NLH Procurement
- 14 Community liaison committee
- 15 ECC
- 16 System Planning
- 17 Unit Operators
- 18 Newfoundland Power
- 19 Industrial Customers



Below are some **suggested** likelihood and consequence scales.

Project teams are advised to review the categories and determine a scale that is relevant to their project; in particular the 'Financial' and 'Production/Schedule' categories should be modified to be specific to each Project. All fields should be reviewed and amended/deleted as required prior to commencing the brainstorming session.

<b>Likelihood Category</b>				
<b>E</b>	<b>D</b>	<b>C</b>	<b>B</b>	<b>A</b>
<b>Rare</b>	<b>Unlikely</b>	<b>Moderate</b>	<b>Likely</b>	<b>Almost Certain</b>
Highly unlikely to occur on this project	Given current practices and procedures, this incident is unlikely to occur on this project	Incident has occurred on a similar project	Incident is likely to occur on this project	Incident is very likely to occur on this project, possibly several times

	<b>Consequences</b>				
	<b>1 - Insignificant</b>	<b>2 - Minor</b>	<b>3 - Moderate</b>	<b>4 - Major</b>	<b>5 - Catastrophic</b>
<b>Safety and Health</b>	<b>First Aid Case</b>	<b>Minor Injury</b> , Medical Treatment Case with/or Restricted Work Case.	<b>Serious Injury</b> or Lost Work Case	<b>Major or Multiple Injuries</b> - permanent injury or disability	<b>Single or Multiple Fatalities</b>
<b>Environment</b>	<b>No impact</b> on baseline environment. Localized to point source. No recovery required	<b>Localized</b> within site boundaries. Recovery measurable within 1 month of impact	<b>Moderate</b> harm with possible wider effect. Recovery in 1 year	<b>Significant</b> harm with local effect. Recovery longer than 1 year.	<b>Significant</b> harm with widespread effect. Recovery longer than 1 year. Limited prospect of full recovery
<b>Financial</b>	< \$500k	\$500k - \$1M	\$1M - \$10M	\$10M - \$20M	>\$20M
<b>Production/Schedule</b>	< 3 days	3 days – 1 week	1 wk – 2 weeks	2 weeks – 1 month	> 1 month
<b>Reputation</b>	Localised temporary impact	Localised, short term impact	Localised, long term impact but manageable	Localised, long term impact with unmanageable outcomes	Long term regional impact
<b>Business Impact</b>	Impact can be absorbed through normal activity	An adverse event which can be absorbed with some management effort	A serious event which requires additional management effort	A critical event which requires extraordinary management effort	Disaster with potential to lead to collapse of the project



Risk Register and Action Plan

Project Number:

Project Name: New 100 MW GT

Column Key:	Do not enter data - automatically generated field
	Drop down list, select one item from list
	Enter text in this column

Number	Rank	Risk Description (Event and Consequence OR Cause)	Category	Existing Controls	Risk Severity Before Treatment			Risk Treatment Plan	Ability to Influence	Responsible Person (Risk Owner)	Due Date	Action Progress Status	Risk Status		
					Consequence	Likelihood	Risk Level Before Treatment								
14	1	Construction activities leads to contact with energized lines leading to safety incident		Some OH lines relocated. Operator power line hazards training Permit system established Lift plans/demarkation/ spotters JSA	5	Catastrophic	D	Unlikely	Extreme	1. Analyze lift plans to ensure appropriate cautions in place. 2. Investigate - Request entire lift crew to participate in power line hazards training. 3. Investigate opportunity to deenergize adjacent lines where possible.		1. Sarah 2. Sarah 3. Todd	1. mid July 2. mid-July 3. early July		
32	2	Unfamiliarity with new equipment leads to delay in commissioning		4 weeks of training is included in Proenergy contract	4	Major	A	Almost Certain	Extreme	1. Engage the ops and commissioning personnel in the initial loop checks etc with Proenergy 2. Training on relays and "TRO" equipment		1. Alberta 2. Alberta	1. late Oct 2. late Oct		
51	3	Digging to install underground interconnection lines leads to discovery of uncharted equipment leading to safety issue		Underground scan Review existing drawings Discuss the plans with experienced personnel. Digging permits	4	Major	B	Likely	Extreme	Look at alternate excavation techniques to minimize impact		Gerard Piercy	end June		
10	4	Labour issues at the plant/TRO leads to delay in project		Contract currently under negotiation. Labour relations personnel	4	Major	C	Moderate	Extreme	May change with outcome of contract negotiations with TRO Labour.		N/R			
17	5	Lack of coordination of work with all of the work crews on site leads to safety incident		Integrated work plan HSE plan - integrated Site orientation Contractor coordination meetings Toolbox meetings and other	4	Major	C	Moderate	Extreme	1. Clear identification of roles and responsibilities 2. Daily communication with workforce - whiteboard activities at the entrance.		1. Sarah 2. Sarah/Kerry	1. mid-July 2. end June		
29	6	Aggressive project schedule does not allow for any delay in design - lead to schedule delay		Set review period for drawings	4	Major	C	Moderate	Extreme	1. Ensure that all POs are issued as per schedule and the schedule incorporates appropriate lead time for vendor drawing completion. 2. Close coordination between the fast track design and construction teams		1. Todd 2. Kerry	1. early July 2. now		
36	7	Delay in delivery of 230kV breakers, disconnects and insulators leads to schedule delay		none.	4	Major	C	Moderate	Extreme	Expedite delivery of long lead items		Terry Abbott	now and ongoing		
42	8	Project team distractions due to other projects leads to delay in schedule.		Creating a segregated project team. Not all the team is fully dedicated to this project. Org chart developed identifying dedicated and shared resources	4	Major	C	Moderate	Extreme	Identify opportunities to release key personnel from other commitments.		Steve Parsons	end June		
43	9	Delay in vendor information leads to delay in schedule.		None.	4	Major	C	Moderate	Extreme	Expediting		Todd	now and ongoing		
44	27	Lack of coordination of work leads to schedule delay (interface management)		Integrated schedule Contracting plan Coordinator assigned	3	Moderate	C	Moderate	High	1. Shift scheduling 2. Daily communication with workforce - whiteboard activities at the entrance. 3. Develop contingency plans for key interfaces.		1. Kerry 2. Sarah/Kerry 3. Todd	1. early July 2. now 3. end July		
47	10	Delay in ferry shipment leads to delay in schedule for ancillary equipment.		None.	4	Major	C	Moderate	Extreme	Provide enough lead time for delivery		Steve Parsons	now and ongoing		
12	11	Crane failure during offloading leads to damage to GT and schedule delay		Lift plans have been requested. Health and Safety audits regularly scheduled. Equipment inspections and personnel certifications	5	Catastrophic	E	Rare	High						
48	12	Delay in environmental approvals leads to schedule delay		Active communication with environment regulator	5	Catastrophic	E	Rare	High	Investigate running the turbine without environmental approval - need CEO approval		Steve Parsons	end Nov		
2	13	Damage during transport leads to significant repair on the unit leading to delay in schedule		Proenergy has had a high success rate of delivering major equipment with minimal damage...They have proven crating and shipping practices.	4	Major	D	Unlikely	High	Identify the shipments that could have a major impact and analyze approach and packaging.		Kerry	now and ongoing		
6	41	Unforeseen subsurface soil conditions leads to schedule delay		Geotechnical investigation completed. Fuel tank area not on critical path	3	Moderate	D	Unlikely	Moderate						
9	14	Labour issues with contractor leads to delay in project		Experienced contractor which has good relationship with unions	4	Major	D	Unlikely	High	Investigate status of union contract with Proenergy/Pennecon		Kerry	now		

Risk Register and Action Plan

Project Number:

Project Name: New 100 MW GT

Column Key:

Do not enter data - automatically generated field
Drop down list, select one item from list
Enter text in this column

Number	Rank	Risk Description (Event and Consequence OR Cause)	Category	Existing Controls	Risk Severity Before Treatment			Risk Treatment Plan	Ability to Influence	Responsible Person (Risk Owner)	Due Date	Action Progress Status	Risk Status		
					Consequence	Likelihood	Risk Level Before Treatment								
18	15	Congestion at the work site leads to safety incident		Standard Housekeeping practices HSE plan Segregation of plant vs work site activities site plan traffic control measures daily coordination meetings	4	Major	D	Unlikely	High						
20	16	Lack of availability of qualified and experienced trades leads to safety incident.		Standard process to check worker qualifications Pennecon has preferential rights with the union	4	Major	D	Unlikely	High	Give sufficient notice to the union		Kerry	now		
33	17	Unfamiliarity with new equipment leads to safety issue		4 weeks of training is included in Proenergy contract	4	Major	D	Unlikely	High	1. Establish an internal trainer for the facility 2. Investigate opportunity for Proenergy to provide an operator for a period of time. 3. Assign dedicated personnel for facility		1. Alberta 2. Alberta 3. Alberta	1. end Aug 2. end Aug 3. end Aug		
45	18	Lack of available space (laydown area) in Holyrood leads to delay in schedule		Site plan prepared	4	Major	D	Unlikely	High	Identify location for 100 ft poles in the site plan.		Trevor	end July		
11	19	Crane failure during offloading leads to safety incident		Lift plans have been requested. Health and Safety audits regularly scheduled. Equipment inspections and personnel certifications	4	Major	E	Rare	High						
13	20	Crane failure during offloading leads to damage to GT and cost impact		Lift plans have been requested. Health and Safety audits regularly scheduled. Equipment inspections and personnel certifications	4	Major	E	Rare	High						
28	21	Asbestos discovered/disturbed leading to a safety incident		Holyrood Asbestos Management Plan asbestos survey standard asbestos removal procedures	4	Major	E	Rare	High	1. Contractor Asbestos management plan 2. Investigate appropriate PPE for higher risk areas.		Sarah	1. early July 2. early July		
3	22	Delay in shipping due to weather delays leads to delay in schedule		We are shipping at a optimal time of the year for Newfoundland, but hurricane season for the Gulf.	3	Moderate	B	Likely	High	Place orders as early as possible to build in float		Todd	now and ongoing		
25	23	Procurement team unable to meet deadlines due to resource restrictions leading to delay in schedule		None.	3	Moderate	B	Likely	High	1. Provide sufficient lead time where possible to allow for sufficient procurement planning. 2. Investigate adding additional resources in procurement department.		1. Todd 2. Steve	1. now and ongoing 2. June30		
26	24	Hydro commissioning resources are not available when required leading to delay in schedule		Integrated resource plan being completed.	3	Moderate	B	Likely	High	1. Incremental work plan - meet every week to talk about incremental work that has not been identified in the current plan		Steve Parsons	ongoing		
39	25	Poor media relations leads to reputation impact.		Communications plan and regular communications meeting Regular issue of news releases	3	Moderate	B	Likely	High						
46	26	Lack of material management leads to delay in schedule		Proenergy and Pennecon has a materials manager assigned. Is there a gap in T&D and communications?	3	Moderate	B	Likely	High	1. Investigate space for storage (Holyrood GS or Whitbourne?) 2. Create material register.		1. Todd 2. Todd	1. mid July 2. early July		
1	28	Delay at the border due to customs issues leads to project delay		Proenergy has experience with crossborder work and delivery All paperwork is planned to be prepared and at the border prior to arrival at the border.	3	Moderate	C	Moderate	High	For people, we have personnel who can cover if foreign workers need to return home. Use an experienced customs broker for equipment		Kerry	now		
8	29	Delay of contract award for T&D, terminal station or other by management leads to schedule delay		None.	3	Moderate	C	Moderate	High	Expedite contract approvals with management.		Steve Parsons	as required		
16	30	Delay due to material delivery (esp. 230kV line) leads to schedule delay.		None.	3	Moderate	C	Moderate	High	1. Expedite delivery of long lead items 2. Create materials register 3. Investigate special transportation permits for nonstandard poles		1,2. Terry/Trevor 3. Trevor	now and ongoing		

Risk Register and Action Plan

Project Number:

Project Name: New 100 MW GT

Column Key:	Do not enter data - automatically generated field
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Number	Rank	Risk Description (Event and Consequence OR Cause)	Category	Existing Controls	Risk Severity Before Treatment			Risk Treatment Plan	Ability to Influence	Responsible Person (Risk Owner)	Due Date	Action Progress Status	Risk Status
					Consequence	Likelihood	Risk Level Before Treatment						
19	31	Lack of availability of trades labour leads to project delay		Pennecon is attuned to the local labour market. Regular topic in progress meetings	3	Moderate	C	Moderate	High				
22	32	Lack of work protection permit/coordination leads to safety incident		Coordinator assigned to the project. Regular status meetings Work group member training - work protection system OSR	3	Moderate	C	Moderate	High	1. Provide training in advance so that personnel can absorb and clarify as required. 2. Reinforce the requirement for issuing a late PC1 or new permit if there is a change in scope. 3. Ensure permit holders attend all meetings related to their permit.	Todd	1. now 2. now 3. now and ongoing	
23	33	Poor weather leads to delay in construction		Sensitive areas of the plant will be covered first as per the schedule.	3	Moderate	C	Moderate	High	Plan to get weather-sensitive scope completed early in the schedule.	Kerry	end June	
35	34	Security breach leads to safety incident		HSE Plan Gate security Dedicated security person assigned.	3	Moderate	C	Moderate	High				
37	35	Construction schedule for 230kV tieline is aggressive with limited resources leads to schedule delay		Schedule is being developed. Not critical path	3	Moderate	C	Moderate	High	Ensure plan is communicated to all relevant parties to ensure that appropriate planning is in place.	Trevor	end June	
38	36	Scope additions to existing EPC contract lead to delay in schedule. These are currently not in the schedule.		Change management process Has been discussed extensively with the contractor	3	Moderate	C	Moderate	High	Incorporate changes in schedule as soon as possible.	Steve Parsons	as required	
52	37	Digging to install underground interconnection lines leads to discovery of uncharted equipment leading to reputation impact		Underground scan Review existing drawings Discuss the plans with experienced personnel. Digging permits	3	Moderate	C	Moderate	High	Look at alternate excavation techniques to minimize impact	Gerard Piercy	end June	
5	38	Road from Route 60 to plant - unforeseen road construction leads to delay in delivery		Route survey completed.	2	Minor	B	Likely	High	Contact appropriate authorities to ensure that there are no conflicts with construction plan.	Steve Parsons	end June	
50	39	Digging to install underground interconnection lines leads to discovery of uncharted equipment leading to delay in schedule		Underground scan Review existing drawings Discuss the plans with experienced personnel. Digging permits	2	Minor	B	Likely	High	Consider alternatives for excavation	Gerard Piercy	end June	
24	40	Asbestos discovered leading to a need for remediation and delay in schedule		Transmission and substation have been surveyed.	1	Insignificant	A	Almost Certain	High	Contractor Asbestos management plan Investigate appropriate PPE for higher risk areas.	Sarah	early July	
4	42	Route survey does not pick up a physical obstacle leading to delay in schedule		None.	3	Moderate	D	Unlikely	Moderate	Validate the route just prior to shipping to ensure that there are no changes or something missed.			
40	43	Disgruntled public leads to aggressive behaviour and safety incident.		Regular issue of news releases Violence prevention policy CLC structure in place	3	Moderate	D	Unlikely	Moderate	Violence/protest procedure			
21	44	Work protection permit/coordination leads to schedule delay		Coordinator assigned to the project. Regular status meetings	2	Minor	C	Moderate	Moderate				
30	45	Substandard design quality due to aggressive schedule leads to schedule delay		Internal designs have three levels of review.	2	Minor	C	Moderate	Moderate				
31	46	Substandard design quality due to aggressive schedule leads to quality issues and cost impact		Internal designs have three levels of review.	2	Minor	C	Moderate	Moderate				
49	47	Fuel spill leads to environmental incident		Tanks are bermed. Fuel loading area is contained	2	Minor	C	Moderate	Moderate				
27	48	Congestion at the work site leads to schedule delay		Integrated plan. Directing traffic around work site project orientation requirements status meetings	1	Insignificant	B	Likely	Moderate	Limiting access to worksite			
7	49	Unforeseen subsurface soil conditions leads to cost impact		Geotechnical investigation completed.	2	Minor	D	Unlikely	Low				

Risk Register and Action Plan

Project Number:

Project Name: New 100 MW GT

Column Key:

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Number	Rank	Risk Description (Event and Consequence OR Cause)	Category	Existing Controls	Risk Severity Before Treatment			Risk Treatment Plan	Ability to Influence	Responsible Person (Risk Owner)	Due Date	Action Progress Status	Risk Status	
					Consequence	Likelihood	Risk Level Before Treatment							
41	50	Redundant black start line to connect to T9. This may not be suitable as it has not been used in some time. Not critical path. Cost impact		Existing diesels will remain in place for black start until the new unit has been proven. Reviewing maintenance records for T9.	2	Minor	D	Unlikely	Low					
15	51	Lack of coordination of work with utility leads to schedule delay		Integrated plan in progress Previous experience working with Newfoundland Power	1	Insignificant	C	Moderate	Low					
34	52	Security breach leads to property loss and schedule delay		HSE Plan Gate security Dedicated security person assigned. Fenced area	1	Insignificant	C	Moderate	Low					



Risk Map  
Before Treatment

		Consequence				
		Insignificant 1	Minor 2	Moderate 3	Major 4	Catastrophic 5
Likelihood	A Almost Certain	24			32	
	B Likely	27	5 50	3 25 26 39 46	51	
	C Moderate	15 34	21 30 31 49	44 1 8 16 19 22 23 35 37 38 52	10 17 29 36 42 43 47	
	D Unlikely		7 41	6 4 40	2 9 18 20 33 45	14
	E Rare				11 13 28	12 48

Low	Moderate	High	Extreme
4	8	30	10

Risk Map  
After Treatment

		Consequence				
		Insignificant 1	Minor 2	Moderate 3	Major 4	Catastrophic 5
Likelihood	A Almost Certain	24				
	B Likely	27		51 39		
	C Moderate	15 34	47 3 25 46 23 21 30 31 49	32 26 19 35 37	10	
	D Unlikely		44 45 16 38 52 5 50 7 41	29 36 42 43 2 6 1 8 22 4 40	17 9 18	
	E Rare		48	33	14 20 11 13 28	12

Low	Moderate	High	Extreme
12	22	17	1



## Risk Summary

### Threats

			Sort	Sort
1	14	Construction activities leads to contact with energized lines leading to safety incident	Extreme	High
2	32	Unfamiliarity with new equipment leads to delay in commissioning	Extreme	High
3	51	Digging to install underground interconnection lines leads to discovery of uncharted equipment leading to safety issue	Extreme	High
4	10	Labour issues at the plant/TRO leads to delay in project	Extreme	Extreme
5	17	Lack of coordination of work with all of the work crews on site leads to safety incident	Extreme	High
6	29	Aggressive project schedule does not allow for any delay in design - lead to schedule delay	Extreme	Moderate
7	36	Delay in delivery of 230kV breakers, disconnects and insulators leads to schedule delay	Extreme	Moderate
8	42	Project team distractions due to other projects leads to delay in schedule.	Extreme	Moderate
9	43		Extreme	Moderate
10	47	Delay in ferry shipment leads to delay in schedule for ancillary equipment.	Extreme	Moderate
27	44	Lack of coordination of work leads to schedule delay (interface management)	High	Low
11	12	Crane failure during offloading leads to damage to GT and schedule delay	High	High
12	48		High	Low
13	2	Damage during transport leads to significant repair on the unit leading to delay in schedule	High	Moderate
14	9	Labour issues with contractor leads to delay in project	High	High
15	18	Congestion at the work site leads to safety incident	High	High
16	20	Lack of availability of qualified and experienced trades leads to safety incident.	High	High
17	33	Unfamiliarity with new equipment leads to safety issue	High	Moderate
18	45	Lack of available space (laydown area) in Holyrood leads to delay in schedule	High	Low
19	11	Crane failure during offloading leads to safety incident	High	High
20	13	Crane failure during offloading leads to damage to GT and cost impact	High	High
21	28	Asbestos discovered/disturbed leading to a safety incident	High	High
22	3	Delay in shipping due to weather delays leads to delay in schedule	High	Moderate
23	25	Procurement team unable to meet deadlines due to resource restrictions leading to delay in schedule	High	Moderate
24	26	Hydro commissioning resources are not available when required leading to delay in schedule	High	High
25	39	Poor media relations leads to reputation impact.	High	High
26	46	Lack of material management leads to delay in schedule	High	Moderate
28	1	Delay at the border due to customs issues leads to project delay	High	Moderate
29	8	Delay of contract award for T&D, terminal station or other by management leads to schedule delay	High	Moderate
30	16	Delay due to material delivery (esp. 230kV line) leads to schedule delay.	High	Low
31	19	Lack of availability of trades labour leads to project delay	High	High
32	22	Lack of work protection permit/coordination leads to safety incident	High	Moderate
33	23	Poor weather leads to delay in construction	High	Moderate
34	35	Security breach leads to safety incident	High	High



Risk Summary			Sort	Sort
Threats				
35	37	Construction schedule for 230kV tieline is aggressive with limited resources leads to schedule delay	High	High
36	38	Scope additions to existing EPC contract lead to delay in schedule. These are currently not in the schedule.	High	Low
37	52	Digging to install underground interconnection lines leads to discovery of uncharted equipment leading to reputation impact	High	Low
38	5	Road from Route 60 to plant - unforeseen road construction leads to delay in delivery	High	Low
39	50	Digging to install underground interconnection lines leads to discovery of uncharted equipment leading to delay in schedule	High	Low
40	24	Asbestos discovered leading to a need for remediation and delay in schedule	High	High
41	6	Unforeseen subsurface soil conditions leads to schedule delay	Moderate	Moderate
42	4	Route survey does not pick up a physical obstacle leading to delay in schedule	Moderate	Moderate
43	40	Disgruntled public leads to aggressive behaviour and safety incident.	Moderate	Moderate
44	21	Work protection permit/coordination leads to schedule delay	Moderate	Moderate
45	30	Substandard design quality due to aggressive schedule leads to schedule delay	Moderate	Moderate
46	31	Substandard design quality due to aggressive schedule leads to quality issues and cost impact	Moderate	Moderate
47	49	Fuel spill leads to environmental incident	Moderate	Moderate
48	27	Congestion at the work site leads to schedule delay	Moderate	Moderate
49	7	Unforeseen subsurface soil conditions leads to cost impact	Low	Low
50	41	Redundant black start line to connect to T9. This may not be suitable as it has not been used in some time. Not critical path. Cost impact	Low	Low
51	15	Lack of coordination of work with utility leads to schedule delay	Low	Low
52	34	Security breach leads to property loss and schedule delay	Low	Low