

Enhanced Operational Metrics  
Project Schedule

ID	Task Name	Duration	Start	Finish	Predecessors	Timeline																															
						1/18	1/25	2/1	2/8	2/15	2/22	3/1	3/8	3/15	3/22	3/29	4/5	4/12	4/19	4/26	5/3	5/10	5/17	5/24	5/31	6/7	6/14	6/21	6/28	7/5	7/12	7/19	7/26				
1	P&IDs - prelim	20 days	Mon 11/10/14	Fri 12/5/14																																	
2	P&IDs - final	20 days	Mon 12/8/14	Fri 1/2/15	1																																
3	Network Diagram - prelim	15 days	Mon 12/29/14	Fri 1/16/15																																	
4	Network Diagram - final	10 days	Mon 1/19/15	Fri 1/30/15	3																																
5	LS2 Panel Drawing - prelim	20 days	Mon 12/8/14	Fri 1/2/15	1																																
6	LS2 Panel Drawing - final	15 days	Mon 1/5/15	Fri 1/23/15	5																																
7	LS1 panel drawing - prelim	10 days	Mon 1/5/15	Fri 1/16/15	5																																
8	LS1 panel drawing - final	15 days	Mon 1/19/15	Fri 2/6/15	7																																
9	LS3 panel drawing - prelim	10 days	Mon 1/5/15	Fri 1/16/15	5																																
10	LS3 panel drawing - final	10 days	Mon 1/19/15	Fri 1/30/15	9																																
11	IWF panel drawings - prelim	15 days	Mon 1/5/15	Fri 1/23/15	5																																
12	IWF panel drawings - final	10 days	Mon 1/26/15	Fri 2/6/15	11																																
13	Existing panel mod drawings - prelim	15 days	Mon 1/19/15	Fri 2/6/15	5,7																																
14	Existing panel mod drawings - final	10 days	Mon 2/9/15	Fri 2/20/15	6,8,10,12																																
15	Site plans - prelim	15 days	Mon 1/5/15	Fri 1/23/15																																	
16	Site plans - final	10 days	Mon 1/26/15	Fri 2/6/15	15																																
17	LS2 electrical drawings - prelim	10 days	Mon 1/5/15	Fri 1/16/15	5																																
18	LS2 electrical drawings - final	10 days	Mon 1/19/15	Fri 1/30/15	17																																
19	LS1 electrical drawings - prelim	15 days	Mon 1/19/15	Fri 2/6/15	7																																
20	LS1 electrical drawings - final	10 days	Mon 2/9/15	Fri 2/20/15	19																																
21	LS3 electrical drawings - prelim	10 days	Mon 1/19/15	Fri 1/30/15	9																																
22	LS3 electrical drawings - final	10 days	Mon 2/2/15	Fri 2/13/15	21																																
23	FBR control room mods - final	10 days	Mon 1/26/15	Fri 2/6/15	15																																
24	IWF electrical mod drawings - prelim	10 days	Mon 1/26/15	Fri 2/6/15	11																																
25	IWF electrical mod drawings - final	10 days	Mon 2/9/15	Fri 2/20/15	24																																
26	Control logic descriptions - prelim	10 days	Mon 12/8/14	Fri 12/19/14	1																																
27	Control logic descriptions - final	10 days	Mon 1/26/15	Fri 2/6/15	2,28,26																																
28	Quality control review	5 days	Mon 1/19/15	Fri 1/23/15	2,3,26,29																																
29	PLC IO list - prelim	10 days	Mon 12/8/14	Fri 12/19/14	1																																
30	PLC IO list - final	10 days	Mon 1/26/15	Fri 2/6/15	28,29																																
31	Specifications	10 days	Mon 1/26/15	Fri 2/6/15	28																																
32	Contractor selection	10 days	Mon 2/9/15	Fri 2/20/15	2,4,6,8,10,																																
33	Prepare PLC, HMI programs	40 days	Mon 2/2/15	Fri 3/27/15																																	
34	Fabricate LS2 panel	30 days	Mon 2/23/15	Fri 4/3/15	32																																
35	Test, ship LS2 panel	10 days	Mon 4/6/15	Fri 4/17/15	34																																
36	Install conduits, cable at LS2	10 days	Mon 4/6/15	Fri 4/17/15	34																																
37	Install LS2 panel	3 days	Mon 4/20/15	Wed 4/22/15	35,36																																
38	Install radio at FBR	2 days	Mon 4/20/15	Tue 4/21/15	35																																
39	Establish radio link from FBR to LS2	1 day	Thu 4/23/15	Thu 4/23/15	37,38																																
40	Transfer LS2 control to new panel	4 days	Fri 4/24/15	Wed 4/29/15	39																																
41	Fabricate LS1 panel	40 days	Mon 2/23/15	Fri 4/17/15	32																																
42	Test, ship LS1 panel	10 days	Mon 4/20/15	Fri 5/1/15	41																																
43	Install conduits and cable at LS1	10 days	Mon 4/20/15	Fri 5/1/15	36																																
44	Install LS1 panel	4 days	Mon 5/4/15	Thu 5/7/15	42,43																																
45	Establish radio link from LS2 to LS1	1 day	Fri 5/8/15	Fri 5/8/15	44																																
46	Transfer LS1 control to new panel	10 days	Mon 5/11/15	Fri 5/22/15	45																																
47	Install conduits and cable at LS3	10 days	Mon 5/4/15	Fri 5/15/15	43																																
48	Fabricate LS3 panel	40 days	Mon 2/23/15	Fri 4/17/15	32																																
49	Test, ship LS3 panel	10 days	Mon 4/20/15	Fri 5/1/15	48																																
50	Install LS3 panel	4 days	Mon 5/18/15	Thu 5/21/15	47,49																																
51	Establish radio link from LS3 to LS1/FBR	1 day	Fri 5/22/15	Fri 5/22/15	50																																
52	Transfer LS3 control to new panel	10 days	Mon 5/25/15	Fri 6/5/15	51																																
53	Install conduits and cable at IWF	10 days	Mon 5/18/15	Fri 5/29/15	47																																
54	Fabricate IWF panels	50 days	Mon 2/23/15	Fri 5/1/15	32																																
55	Test, ship IWF panels	15 days	Mon 5/4/15	Fri 5/22/15	54																																
56	Install IWF panels	5 days	Mon 6/1/15	Fri 6/5/15	53																																
57	Establish comms w/new panels	2 days	Mon 6/8/15	Tue 6/9/15	56,53																																
58	Transfer IWF control to new panels	18 days	Wed 6/10/15	Fri 7/3/15	52,57																																
59	Verify operation, reporting, alarms	20 days	Mon 7/6/15	Fri 7/31/15	58																																