Lake Road Boiler 2 Dismantlement

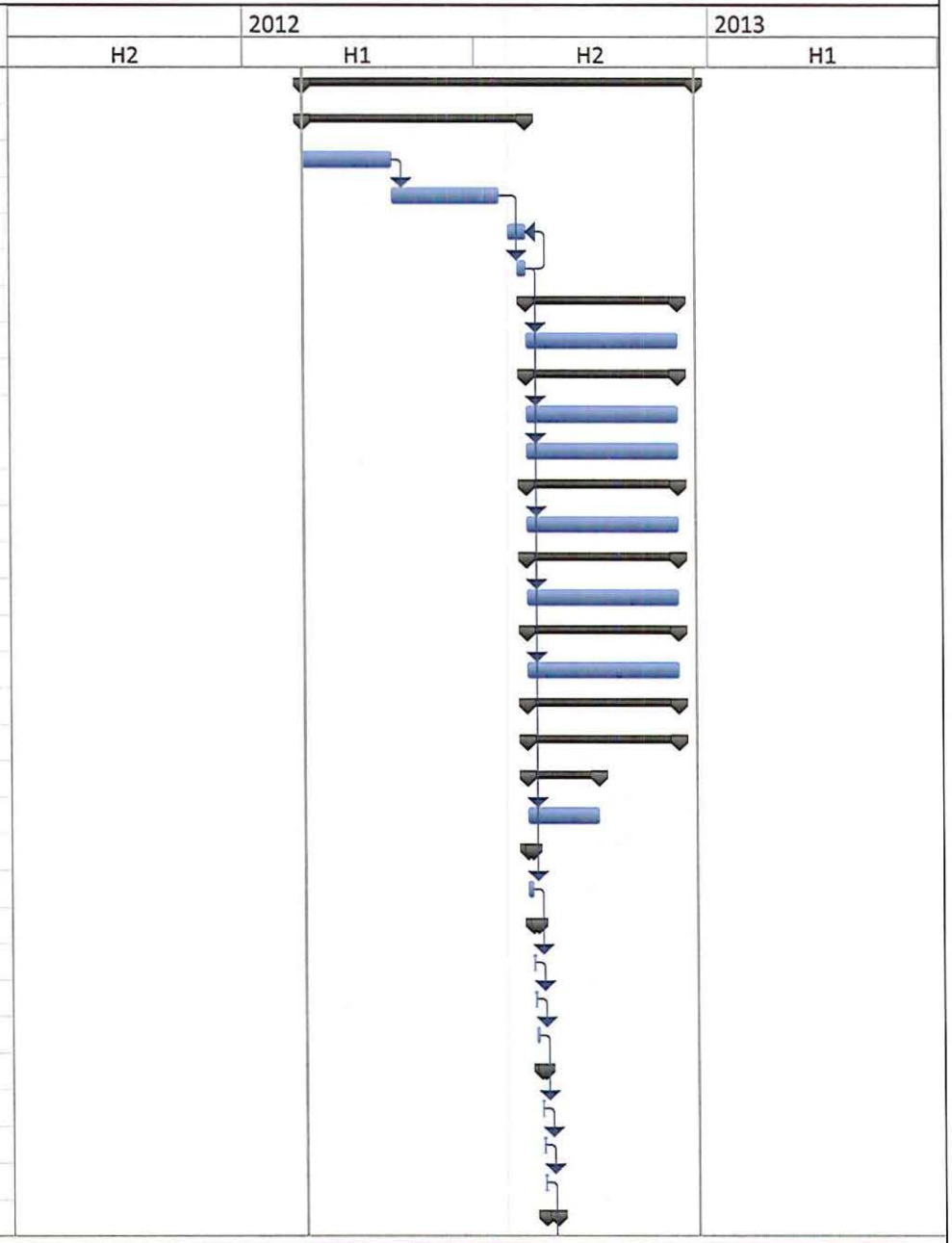
ID	Task Name	Cost
1	**Lake Road Boiler 2 Dismantlement**	**$2,057,957.12**
2	**Pre-Dismantlement Activities**	**$412,728.00**
3	Detailed Characterization Study	$234,744.40
4	Hire Demolition General Contractor	$167,184.00
5	KCP&L Prepares Unit for Dismantlement	$10,799.60
6	Demolition Contractor Mobilizes on Site	$0.00
7	**KCP&L Overhead during Dismantlement**	**$86,564.00**
8	KCP&L Engineer	$86,564.00
9	**Demoliton Contractor Overhead during Dismantlement**	**$129,546.80**
10	Demolition Contractor Safety Manager	$45,512.40
11	Demolition Contractor Superintendent	$84,034.40
12	**Demolition Contractor Equipment Rental Costs**	**$307,618.40**
13	Equipment Rental	$307,618.40
14	**Demolition Contractor Consummables**	**$306,904.40**
15	Consummables	$306,904.40
16	**Scrap Crew(s)**	**$304,531.20**
17	Crew to Handle Scrap Material(s)	$304,531.20
18	**Dismantlement Directs**	**$493,684.32**
19	**Phase 1 Demolition**	**$493,684.32**
20	**Electrical Demolition**	**$71,654.40**
21	Electrical Demolition Equipment	$71,654.40
22	**Critical Piping**	**$3,582.72**
23	Main Steam Piping	$3,582.72
24	**Fuel Systems (plant side)**	**$7,165.44**
25	Gas Piping and Valves	$1,791.36
26	Fuel Oil Piping and Valves	$1,791.36
27	Igniters	$3,582.72
28	**Chemical Feed Systems**	**$5,374.08**
29	Tanks	$1,791.36
30	Pumps	$1,791.36
31	Piping	$1,791.36
32	**Sampling Systems**	**$10,017.12**
33	Field Mounted Heat Exchangers	$3,582.72
34	Piping	$2,851.68
35	Sample Panel	$3,582.72
36	**Miscellaneous Equipment**	**$8,956.80**
37	Miscellaneous Equipment (including Fire Protection)	$8,956.80
38	**Boiler Equipment**	**$71,654.40**
39	Fans	$17,913.60
40	Drums	$17,913.60
41	Ductwork	$35,827.20
42	**Boiler Removal**	**$143,308.80**
43	Furnace	$143,308.80
44	**Boiler Steel Framing**	**$100,316.16**

Lake Road Boiler 2 Dismantlement

ID	Task Name	Cost
45	Framing	$35,827.20
46	Bracing and Girts	$35,827.20
47	Columns	$28,661.76
48	**Boiler Foundations**	**$71,654.40**
49	Equipment Foundation Demolition to Grade	$71,654.40
50	**Project Close-Out**	**$16,380.00**
51	Project Close-Out Activities	$16,380.00

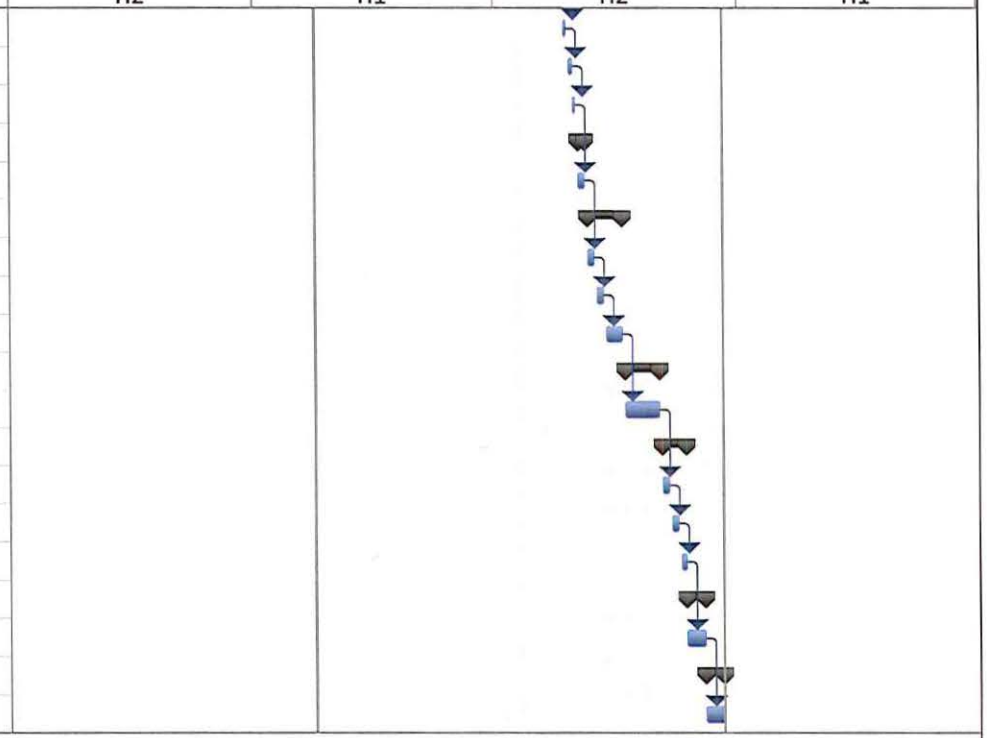
Lake Road Boiler 2 Dismantlement

ID	Task Name	Duration
1	**Lake Road Boiler 2 Dismantlement**	**220 days**
2	**Pre-Dismantlement Activities**	**125 days**
3	Detailed Characterization Study	50 days
4	Hire Demolition General Contractor	3 mons
5	KCP&L Prepares Unit for Dismantlement	2 wks
6	Demolition Contractor Mobilizes on Site	5 days
7	**KCP&L Overhead during Dismantlement**	**85 days**
8	KCP&L Engineer	85 days
9	**Demoliton Contractor Overhead during Dismantlemer**	**85 days**
10	Demolition Contractor Safety Manager	85 days
11	Demolition Contractor Superintendent	85 days
12	**Demolition Contractor Equipment Rental Costs**	**85 days**
13	Equipment Rental	85 days
14	**Demolition Contractor Consummables**	**85 days**
15	Consummables	85 days
16	**Scrap Crew(s)**	**85 days**
17	Crew to Handle Scrap Material(s)	85 days
18	**Dismantlement Directs**	**85 days**
19	**Phase 1 Demolition**	**85 days**
20	**Electrical Demolition**	**40 days**
21	Electrical Demolition Equipment	40 days
22	**Critical Piping**	**2 days**
23	Main Steam Piping	2 days
24	**Fuel Systems (plant side)**	**4 days**
25	Gas Piping and Valves	1 day
26	Fuel Oil Piping and Valves	1 day
27	Igniters	2 days
28	**Chemical Feed Systems**	**3 days**
29	Tanks	1 day
30	Pumps	1 day
31	Piping	1 day
32	**Sampling Systems**	**7 days**



Lake Road Boiler 2 Dismantlement

ID	Task Name	Duration
33	Field Mounted Heat Exchangers	2 days
34	Piping	3 days
35	Sample Panel	2 days
36	**Miscellaneous Equipment**	**5 days**
37	Miscellaneous Equipment (including Fire Protec	5 days
38	**Boiler Equipment**	**20 days**
39	Fans	5 days
40	Drums	5 days
41	Ductwork	10 days
42	**Boiler Removal**	**20 days**
43	Furnace	20 days
44	**Boiler Steel Framing**	**14 days**
45	Framing	5 days
46	Bracing and Girts	5 days
47	Columns	4 days
48	**Boiler Foundations**	**10 days**
49	Equipment Foundation Demolition to Grade	10 days
50	**Project Close-Out**	**10 days**
51	Project Close-Out Activities	10 days



BOILER 3

Lake Road Boiler 3 Retirement

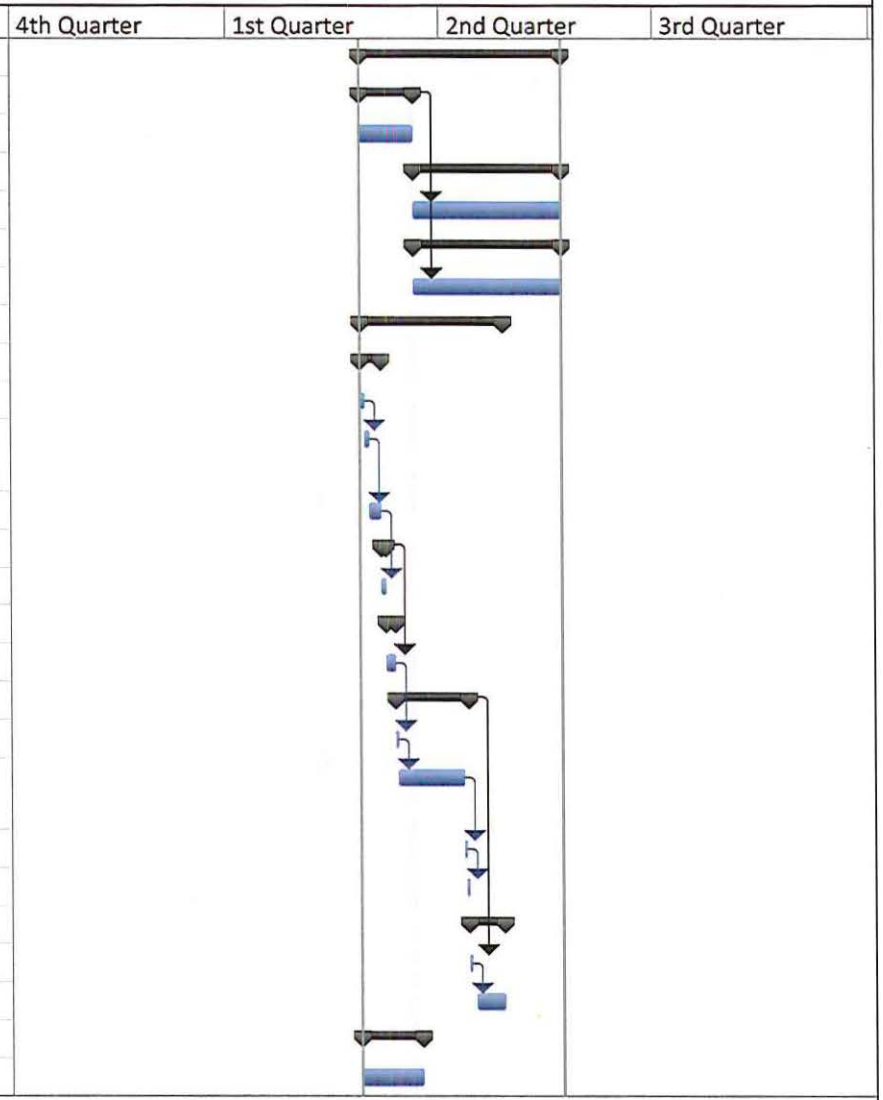
Owner Costs			
Pre-Retirement Activities		$25,969	
Retirement Activities		$84,001	
Post-Retirement Activities		$13,282	
Owner Direct Total			$123,252
Owner Internal Costs	5.00%		$6,163
Owner Contingency:	25.00%		$32,354
Lake Road Boiler 3 Retirement Opinion of Probable Cost:			$161,768

Lake Road Boiler 3 Retirement

ID	Task Name	Cost
1	**Lake Road Boiler 3 Retirement**	**$123,252.08**
2	**Pre-Engineering**	**$25,969.20**
3	Engineering analysis and establish isolation points.	$0.00
4	**KCL&L Overhead Costs**	**$27,882.00**
5	KCP&L Retirement Manager	$27,882.00
6	**Equipment Rentals**	**$9,446.40**
7	Vacuum truck	$9,446.40
8	**Retirement**	**$59,954.48**
9	**Motors**	**$6,216.00**
10	De-energize all primary power at the source.	$1,786.56
11	De-energize all low-voltage power sources for space heaters or other auxiliary equipment at the source.	$1,786.56
12	Drain lube oil system (if applicable) and dispose of oil.	$2,642.88
13	**Fuel Gas Systems**	**$1,685.44**
14	Vent the Fuel Gas Systems	$1,685.44
15	**Boiler Chemical Feed**	**$1,685.44**
16	Drain all chemical feed tanks and piping	$1,685.44
17	**Boiler**	**$25,004.64**
18	Open boiler doors.	$880.96
19	Gas side - perform cleaning of the boiler.	$22,400.00
20	Drain boiler, drum, downcomers and headers.	$842.72
21	Open drum doors.	$880.96
22	**Ductwork**	**$12,080.96**
23	Open ductwork doors.	$880.96
24	Perform extensive cleaning of the ductwork.	$11,200.00
25	**Post Retirement Activities**	**$13,282.00**
26	Post Retirement Activities	$13,282.00

Lake Road Boiler 3 Retirement

ID	Task Name	Duration
1	**Lake Road Boiler 3 Retirement**	**62 days**
2	**Pre-Engineering**	**17 days**
3	Engineering analysis and establish isolation points.	17 days
4	**KCL&L Overhead Costs**	**45 days**
5	KCP&L Retirement Manager	45 days
6	**Equipment Rentals**	**45 days**
7	Vacuum truck	45 days
8	**Retirement**	**45 days**
9	**Motors**	**7 days**
10	De-energize all primary power at the source.	2 days
11	De-energize all low-voltage power sources for space heaters or other auxiliary equipment at the source.	2 days
12	Drain lube oil system (if applicable) and dispose of oil.	3 days
13	**Fuel Gas Systems**	**2 days**
14	Vent the Fuel Gas Systems	2 days
15	**Boiler Chemical Feed**	**2 days**
16	Drain all chemical feed tanks and piping	2 days
17	**Boiler**	**23 days**
18	Open boiler doors.	1 day
19	Gas side - perform cleaning of the boiler.	20 days
20	Drain boiler, drum, downcomers and headers.	1 day
21	Open drum doors.	1 day
22	**Ductwork**	**11 days**
23	Open ductwork doors.	1 day
24	Perform extensive cleaning of the ductwork.	10 days
25	**Post Retirement Activities**	**20 days**
26	Post Retirement Activities	20 days



Lake Road Boiler 3 Dismantlement

Owner Costs				
Pre-Dismantlement Activities			$186,483	
Overhead During Dismantlement			$298,939	
Post-Dismantlement Activities			$16,380	
Owner Costs Total*				$501,802
Demolition General Contractor (DGC) Costs				
Site Management			$149,359	
Equipment Rental			$354,665	
Consummables			$353,842	
Scrap Crew(s)			$351,016	
Dismantlement			$671,358	
Contractor Direct Cost*		$1,880,240		
Contractor Allowances				
DGC Insurance	2.00%		$37,605	
Contingency/Profit	15.00%		$287,677	
Performance Bond	2.00%		$44,110.43	
Contractor Costs Total:				$2,249,632
Total:				$2,751,434
Owner Internal Costs:	5.00%			$137,572
Owner Contingency:	25.00%			$722,251
Lake Road Boiler 3 Dismantlement Opinion of Probable Cost:				$3,611,257

*Owner Costs Total + Contractor Direct Costs = Manpower Loaded Schedule Total w/o Contractor Allowances
= $2,382,042

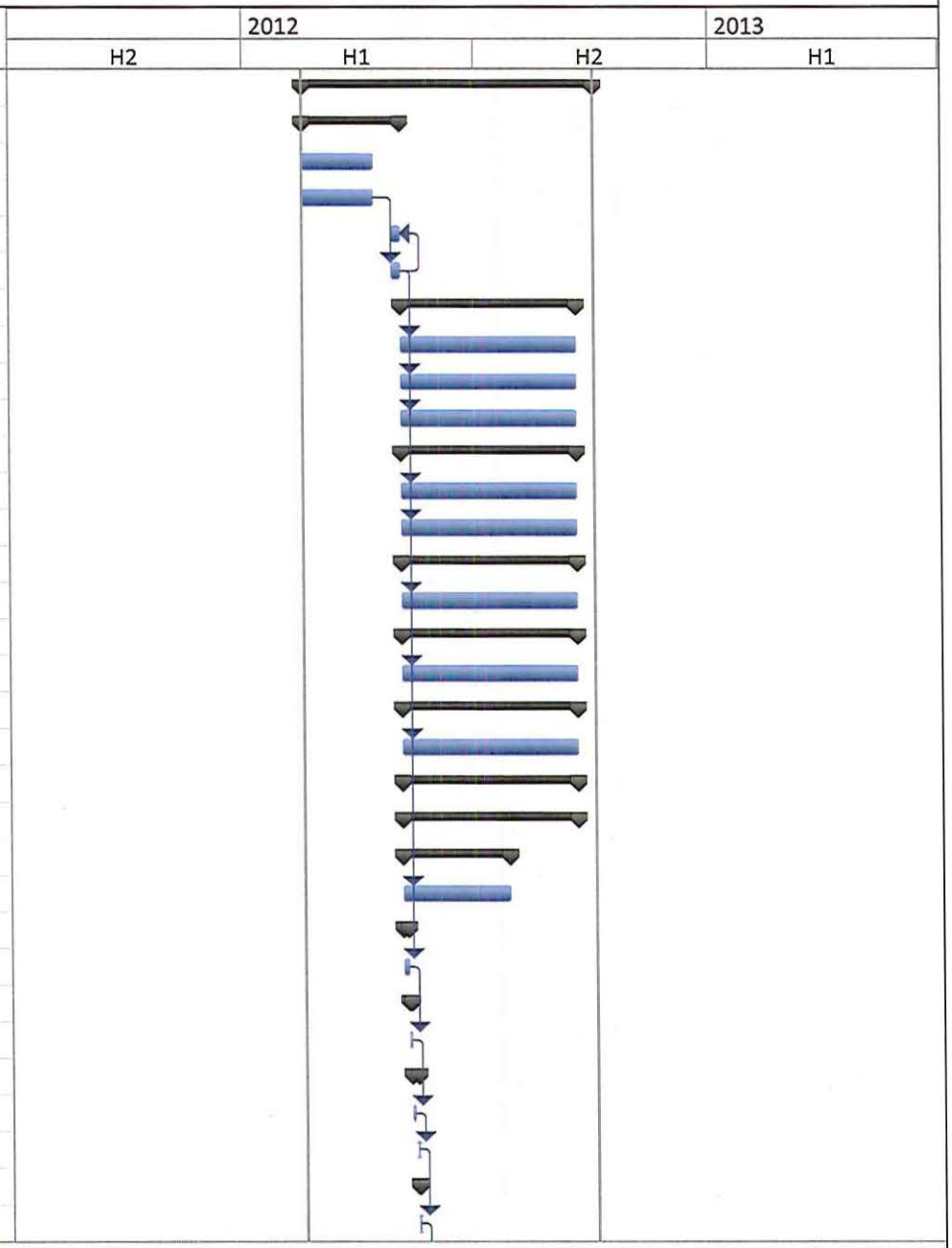
Lake Road Boiler 3 Dismantlement		
ID	Task Name	Cost
1	**Lake Road Boiler 3 Dismantlement**	**$2,382,135.80**
2	**Pre-Dismantlement Activities**	**$186,483.32**
3	Detailed Planning & Hire Owner's Engineer	$69,627.52
4	Hire Demolition General Contractor	$111,456.00
5	KCP&L Prepares Unit for Dismantlement	$5,399.80
6	Demolition Contractor Mobilizes on Site	$0.00
7	**KCP&L Overhead during Dismantlement**	**$298,939.20**
8	KCP&L Engineer	$99,803.20
9	Owners Engineer Project Manager	$29,792.00
10	Owners Engineer - Engineer	$169,344.00
11	**Demoliton Contractor Overhead during Dismantlement**	**$149,359.84**
12	Demolition Contractor Safety Manager	$52,473.12
13	Demolition Contractor Superintendent	$96,886.72
14	**Demolition Contractor Equipment Rental Costs**	**$354,665.92**
15	Equipment Rental	$354,665.92
16	**Demolition Contractor Consummables**	**$353,842.72**
17	Consummables	$353,842.72
18	**Scrap Crew(s)**	**$351,106.56**
19	Crew to Handle Scrap Material(s)	$351,106.56
20	**Dismantlement Directs**	**$671,358.24**
21	**Phase 1 Demolition**	**$671,358.24**
22	**Electrical Demolition**	**$107,481.60**
23	Electrical Demolition Equipment	$107,481.60
24	**Boiler Feed System**	**$3,582.72**
25	Feedwater piping	$3,582.72
26	**Critical Piping**	**$3,582.72**
27	Main Steam Piping	$3,582.72
28	**Fuel Systems (Plant Side)**	**$5,374.08**
29	Gas Piping and Equipment	$3,582.72
30	Igniters	$1,791.36
31	**Air Preheat System**	**$1,791.36**
32	Steam Coil Air Heater Piping	$1,791.36
33	**Miscellaneous Equipment**	**$8,956.80**
34	Miscellaneous Equipment (including Fire Protection)	$8,956.80
35	**Boiler Equipment**	**$67,669.92**
36	Fans	$17,913.60
37	Steam Drum	$28,661.76
38	Soot Blowers	$3,180.96
39	Ductwork	$17,913.60
40	**Boiler Removal**	**$114,647.04**
41	Furnace	$57,323.52
42	Back Pass	$57,323.52
43	**Boiler Steel Framing**	**$250,790.40**
44	Hanger Girders at Top	$35,827.20

Lake Road Boiler 3 Dismantlement

ID	Task Name	Cost
45	All Other Framing	$71,654.40
46	Bracing and Girts	$71,654.40
47	Columns	$71,654.40
48	**Boiler Foundations**	**$107,481.60**
49	Equipment Foundation Demolition to Grade	$107,481.60
50	**Project Close-Out**	**$16,380.00**
51	Project Close-Out Activities	$16,380.00

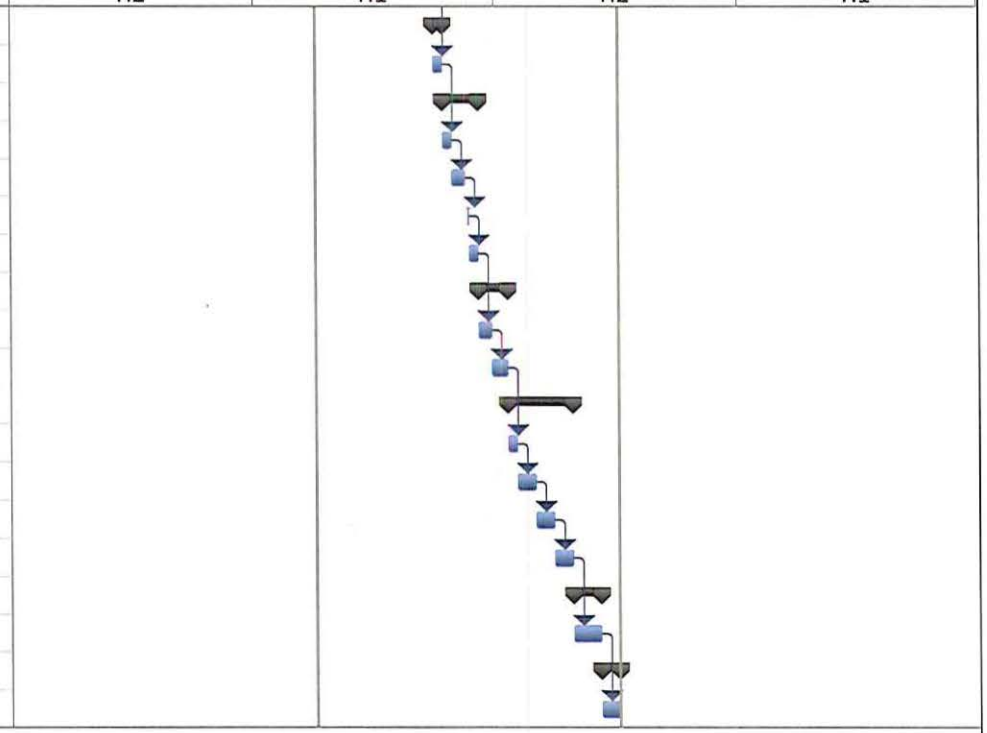
Lake Road Boiler 3 Dismantlement

ID	Task Name	Duration
1	**Lake Road Boiler 3 Dismantlement**	**163 days**
2	**Pre-Dismantlement Activities**	**55 days**
3	Detailed Planning & Hire Owner's Engineer	2 mons
4	Hire Demolition General Contractor	2 mons
5	KCP&L Prepares Unit for Dismantlement	1 wk
6	Demolition Contractor Mobilizes on Site	5 days
7	**KCP&L Overhead during Dismantlement**	**98 days**
8	KCP&L Engineer	98 days
9	Owners Engineer Project Manager	98 days
10	Owners Engineer - Engineer	98 days
11	**Demoliton Contractor Overhead during Dismantlemer**	**98 days**
12	Demolition Contractor Safety Manager	98 days
13	Demolition Contractor Superintendent	98 days
14	**Demolition Contractor Equipment Rental Costs**	**98 days**
15	Equipment Rental	98 days
16	**Demolition Contractor Consummables**	**98 days**
17	Consummables	98 days
18	**Scrap Crew(s)**	**98 days**
19	Crew to Handle Scrap Material(s)	98 days
20	**Dismantlement Directs**	**98 days**
21	**Phase 1 Demolition**	**98 days**
22	**Electrical Demolition**	**60 days**
23	Electrical Demolition Equipment	60 days
24	**Boiler Feed System**	**2 days**
25	Feedwater piping	2 days
26	**Critical Piping**	**2 days**
27	Main Steam Piping	2 days
28	**Fuel Systems (Plant Side)**	**3 days**
29	Gas Piping and Equipment	2 days
30	Igniters	1 day
31	**Air Preheat System**	**1 day**
32	Steam Coil Air Heater Piping	1 day



Lake Road Boiler 3 Dismantlement

ID	Task Name	Duration
33	**Miscellaneous Equipment**	**5 days**
34	Miscellaneous Equipment (including Fire Protec	5 days
35	**Boiler Equipment**	**19 days**
36	Fans	5 days
37	Steam Drum	8 days
38	Soot Blowers	1 day
39	Ductwork	5 days
40	**Boiler Removal**	**16 days**
41	Furnace	8 days
42	Back Pass	8 days
43	**Boiler Steel Framing**	**35 days**
44	Hanger Girders at Top	5 days
45	All Other Framing	10 days
46	Bracing and Girts	10 days
47	Columns	10 days
48	**Boiler Foundations**	**15 days**
49	Equipment Foundation Demolition to Grade	15 days
50	**Project Close-Out**	**10 days**
51	Project Close-Out Activities	10 days



BOILER 4

Lake Road Boiler 4 Retirement

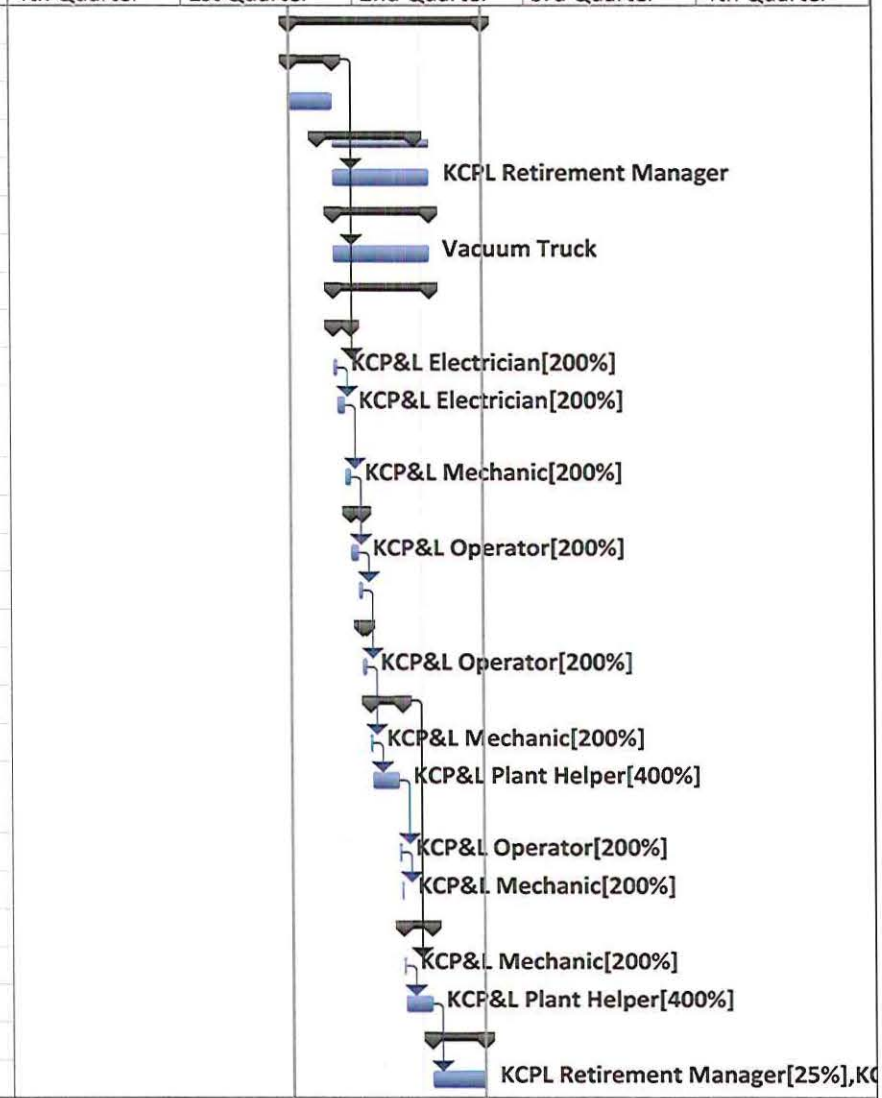
Owner Costs			
Pre-Retirement Activities		$25,969	
Retirement Activities		$66,164	
Post-Retirement Activities		$13,282	
Owner Direct Total			$105,415
Owner Internal Costs	5.00%		$5,271
Owner Contingency:	25.00%		$27,671
Lake Road Boiler 4 Retirement Opinion of Probable Cost:			$138,357

Lake Road Boiler 4 Retirement

ID	Task Name	Cost
1	**Lake Road Boiler 4 Retirement**	**$105,415.92**
2	**Pre-Engineering**	**$25,969.20**
3	Engineering analysis and establish isolation points.	$0.00
4	**KCL&L Overhead Costs**	**$22,925.20**
5	KCP&L Retirement Manager	$22,925.20
6	**Equipment Rentals**	**$7,767.04**
7	Vacuum truck	$7,767.04
8	**Retirement**	**$35,472.48**
9	**Motors**	**$6,216.00**
10	De-energize all primary power at the source.	$1,786.56
11	De-energize all low-voltage power sources for space heaters or other auxiliary equipment at the source.	$1,786.56
12	Drain lube oil system (if applicable) and dispose of oil.	$2,642.88
13	**Fuel Systems**	**$1,685.44**
14	Isolate and Vent the Fuel Gas Systems	$1,685.44
15	Isolate and Vent the Fuel Oil Systems	$0.00
16	**Boiler Chemical Feed**	**$1,685.44**
17	Drain all chemical feed tanks and piping	$1,685.44
18	**Boiler**	**$13,804.64**
19	Open boiler doors.	$880.96
20	Gas side - perform cleaning of the boiler.	$11,200.00
21	Drain boiler, drum, downcomers and headers.	$842.72
22	Open drum doors.	$880.96
23	**Ductwork**	**$12,080.96**
24	Open ductwork doors.	$880.96
25	Perform extensive cleaning of the ductwork.	$11,200.00
26	**Post Retirement Activities**	**$13,282.00**
27	Post Retirement Activities	$13,282.00

Lake Road Boiler 4 Retirement

ID	Task Name	Duration
1	**Lake Road Boiler 4 Retirement**	**74 days**
2	**Pre-Engineering**	**17 days**
3	Engineering analysis and establish isolation points.	17 days
4	**KCL&L Overhead Costs**	**37 days**
5	KCP&L Retirement Manager	37 days
6	**Equipment Rentals**	**37 days**
7	Vacuum truck	37 days
8	**Retirement**	**37 days**
9	**Motors**	**7 days**
10	De-energize all primary power at the source.	2 days
11	De-energize all low-voltage power sources for space heaters or other auxiliary equipment at the source.	2 days
12	Drain lube oil system (if applicable) and dispose of oil.	3 days
13	**Fuel Systems**	**4 days**
14	Isolate and Vent the Fuel Gas Systems	2 days
15	Isolate and Vent the Fuel Oil Systems	2 days
16	**Boiler Chemical Feed**	**2 days**
17	Drain all chemical feed tanks and piping	2 days
18	**Boiler**	**13 days**
19	Open boiler doors.	1 day
20	Gas side - perform cleaning of the boiler.	10 days
21	Drain boiler, drum, downcomers and headers.	1 day
22	Open drum doors.	1 day
23	**Ductwork**	**11 days**
24	Open ductwork doors.	1 day
25	Perform extensive cleaning of the ductwork.	10 days
26	**Post Retirement Activities**	**20 days**
27	Post Retirement Activities	20 days



Lake Road Boiler 4 Dismantlement

Owner Costs				
Pre-Dismantlement Activities			$186,483	
Overhead During Dismantlement			$298,939	
Post-Dismantlement Activities			$16,380	
Owner Costs Total*				$501,802
Demolition General Contractor (DGC) Costs				
Site Management			$172,221	
Equipment Rental			$408,951	
Consummables			$408,002	
Scrap Crew(s)			$404,847	
Dismantlement			$762,717	
Contractor Direct Cost*		$2,156,738		
Contractor Allowances				
DGC Insurance	2.00%		$43,135	
Contingency/Profit	15.00%		$329,981	
Performance Bond	2.00%		$50,597.07	
Contractor Costs Total:				$2,580,451
Total:				$3,082,253
Owner Internal Costs:	5.00%			$154,113
Owner Contingency:	25.00%			$809,091
Lake Road Boiler 4 Dismantlement Opinion of Probable Cost:				$4,045,457

*Owner Costs Total + Contractor Direct Costs = Manpower Loaded Schedule Total w/o Contractor Allowances
= $2,658,540

Lake Road Boiler 4 Dismantlement

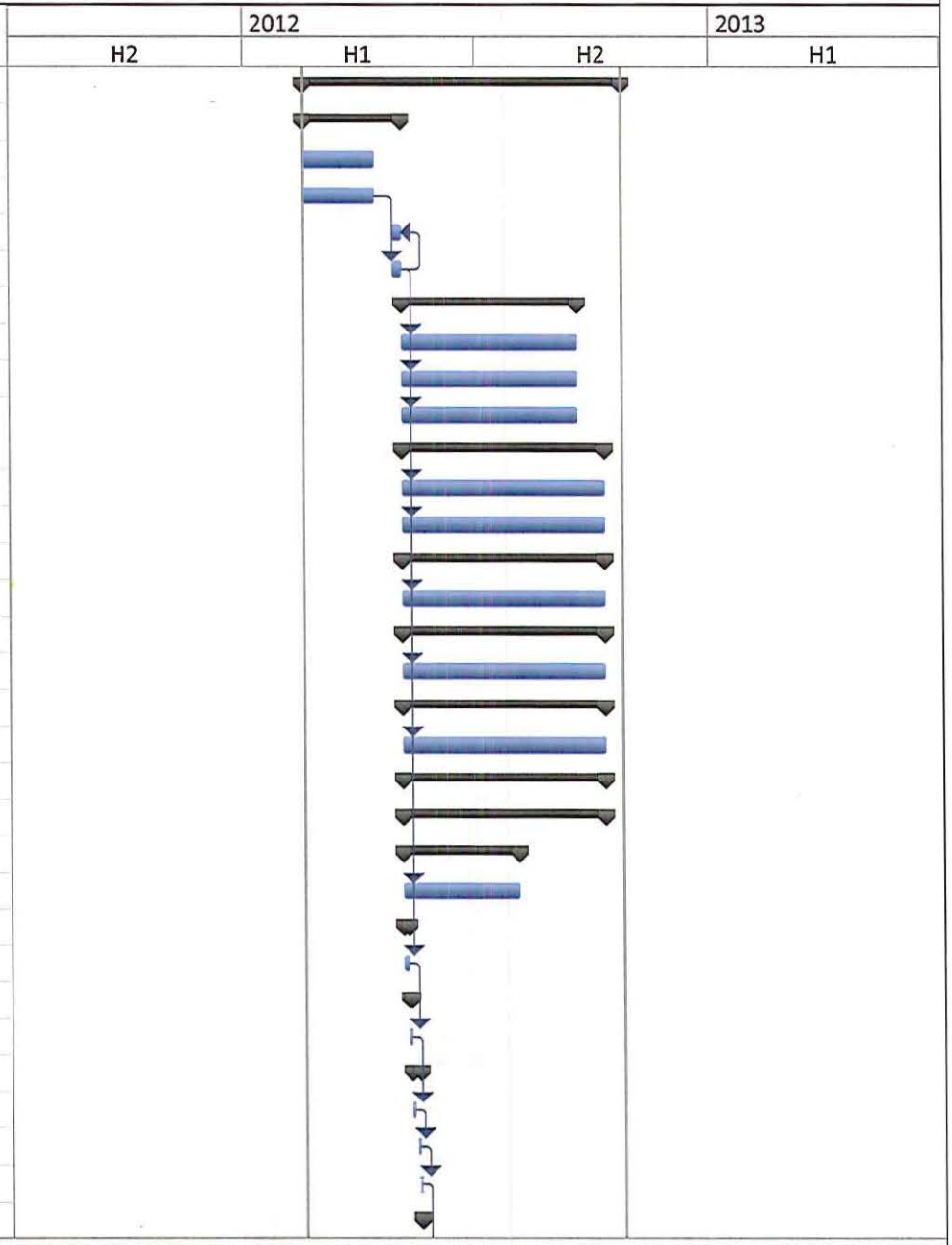
ID	Task Name	Cost
1	**Lake Road Boiler 4 Dismantlement**	**$2,658,542.36**
2	**Pre-Dismantlement Activities**	**$186,483.32**
3	Detailed Planning & Hire Owner's Engineer	$69,627.52
4	Hire Demolition General Contractor	$111,456.00
5	KCP&L Prepares Unit for Dismantlement	$5,399.80
6	Demolition Contractor Mobilizes on Site	$0.00
7	**KCP&L Overhead during Dismantlement**	**$298,939.20**
8	KCP&L Engineer	$99,803.20
9	Owners Engineer Project Manager	$29,792.00
10	Owners Engineer - Engineer	$169,344.00
11	**Demoliton Contractor Overhead during Dismantlement**	**$172,221.04**
12	Demolition Contractor Safety Manager	$60,504.72
13	Demolition Contractor Superintendent	$111,716.32
14	**Demolition Contractor Equipment Rental Costs**	**$408,951.52**
15	Equipment Rental	$408,951.52
16	**Demolition Contractor Consummables**	**$408,002.32**
17	Consummables	$408,002.32
18	**Scrap Crew(s)**	**$404,847.36**
19	Crew to Handle Scrap Material(s)	$404,847.36
20	**Dismantlement Directs**	**$762,717.60**
21	**Phase 1 Demolition**	**$762,717.60**
22	**Electrical Demolition**	**$116,438.40**
23	Electrical Demolition Equipment	$116,438.40
24	**Boiler Feed System**	**$3,582.72**
25	Feedwater piping	$3,582.72
26	**Critical Piping**	**$3,582.72**
27	Main Steam Piping	$3,582.72
28	**Fuel Systems (Plant Side)**	**$5,374.08**
29	Gas Piping and Equipment	$3,582.72
30	Fuel Oil Piping and Equipment	$0.00
31	Igniters	$1,791.36
32	**Air Preheat System**	**$1,791.36**
33	Steam Coil Air Heater Piping	$1,791.36
34	**Miscellaneous Equipment**	**$8,956.80**
35	Miscellaneous Equipment (including Fire Protection)	$8,956.80
36	**Boiler Equipment**	**$78,418.08**
37	Fans	$17,913.60
38	Steam Drum	$32,244.48
39	Soot Blowers	$3,180.96
40	Ductwork	$17,913.60
41	Old Coal Bunkers	$7,165.44
42	**Boiler Removal**	**$143,308.80**
43	Furnace	$71,654.40
44	Back Pass	$71,654.40

Lake Road Boiler 4 Dismantlement

ID	Task Name	Cost
45	**Boiler Steel Framing**	**$279,452.16**
46	Hanger Girders at Top	$42,992.64
47	All Other Framing	$78,819.84
48	Bracing and Girts	$78,819.84
49	Columns	$78,819.84
50	**Boiler Foundations**	**$121,812.48**
51	Equipment Foundation Demolition to Grade	$121,812.48
52	**Project Close-Out**	**$16,380.00**
53	Project Close-Out Activities	$16,380.00

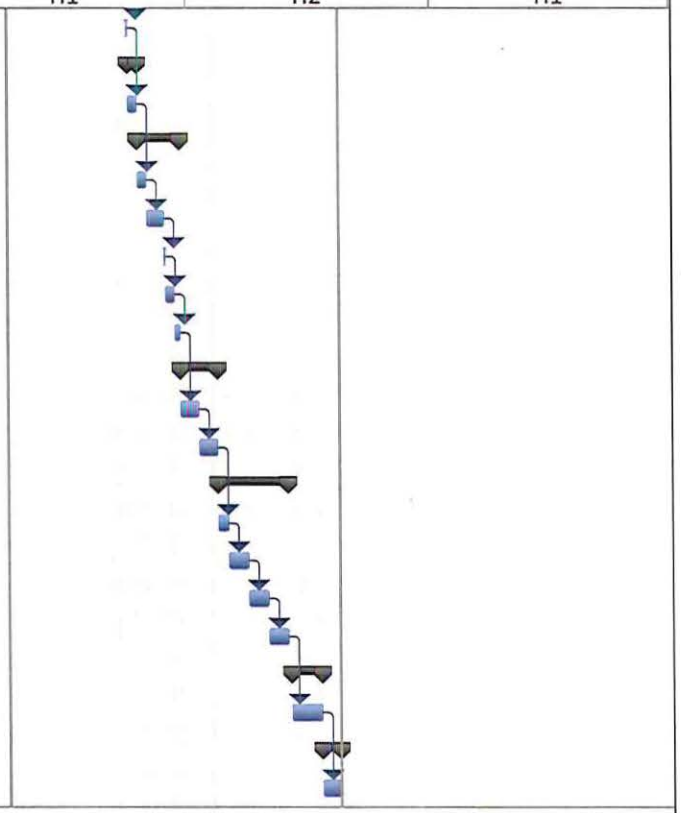
Lake Road Boiler 4 Dismantlement

ID	Task Name	Duration
1	**Lake Road Boiler 4 Dismantlement**	**178 days**
2	**Pre-Dismantlement Activities**	**55 days**
3	Detailed Planning & Hire Owner's Engineer	2 mons
4	Hire Demolition General Contractor	2 mons
5	KCP&L Prepares Unit for Dismantlement	1 wk
6	Demolition Contractor Mobilizes on Site	5 days
7	**KCP&L Overhead during Dismantlement**	**98 days**
8	KCP&L Engineer	98 days
9	Owners Engineer Project Manager	98 days
10	Owners Engineer - Engineer	98 days
11	**Demoliton Contractor Overhead during Dismantlemer**	**113 days**
12	Demolition Contractor Safety Manager	113 days
13	Demolition Contractor Superintendent	113 days
14	**Demolition Contractor Equipment Rental Costs**	**113 days**
15	Equipment Rental	113 days
16	**Demolition Contractor Consummables**	**113 days**
17	Consummables	113 days
18	**Scrap Crew(s)**	**113 days**
19	Crew to Handle Scrap Material(s)	113 days
20	**Dismantlement Directs**	**113 days**
21	**Phase 1 Demolition**	**113 days**
22	**Electrical Demolition**	**65 days**
23	Electrical Demolition Equipment	65 days
24	**Boiler Feed System**	**2 days**
25	Feedwater piping	2 days
26	**Critical Piping**	**2 days**
27	Main Steam Piping	2 days
28	**Fuel Systems (Plant Side)**	**5 days**
29	Gas Piping and Equipment	2 days
30	Fuel Oil Piping and Equipment	2 days
31	Igniters	1 day
32	**Air Preheat System**	**1 day**



Lake Road Boiler 4 Dismantlement

ID	Task Name	Duration
33	Steam Coil Air Heater Piping	1 day
34	**Miscellaneous Equipment**	**5 days**
35	Miscellaneous Equipment (including Fire Protec	5 days
36	**Boiler Equipment**	**22 days**
37	Fans	5 days
38	Steam Drum	9 days
39	Soot Blowers	1 day
40	Ductwork	5 days
41	Old Coal Bunkers	2 days
42	**Boiler Removal**	**20 days**
43	Furnace	10 days
44	Back Pass	10 days
45	**Boiler Steel Framing**	**39 days**
46	Hanger Girders at Top	6 days
47	All Other Framing	11 days
48	Bracing and Girts	11 days
49	Columns	11 days
50	**Boiler Foundations**	**17 days**
51	Equipment Foundation Demolition to Grade	17 days
52	**Project Close-Out**	**10 days**
53	Project Close-Out Activities	10 days



BOILER 5

Lake Road Boiler 5 Retirement

Owner Costs			
Pre-Retirement Activities		$25,969	
Retirement Activities		$100,380	
Post-Retirement Activities		$13,282	
Owner Direct Total			$139,631
Owner Internal Costs	5.00%		$6,982
Owner Contingency:	25.00%		$36,653
Lake Road Boiler 5 Retirement Opinion of Probable Cost:			$183,266
Activities Required by Permit or Regulation			
Lake Road 5 Pond		$58,349	
Lake Road Ash Pond Closure		$1,117,000	
Activities Required by Permit or Regulation:			$1,175,349

Lake Road Boiler 5 Retirement

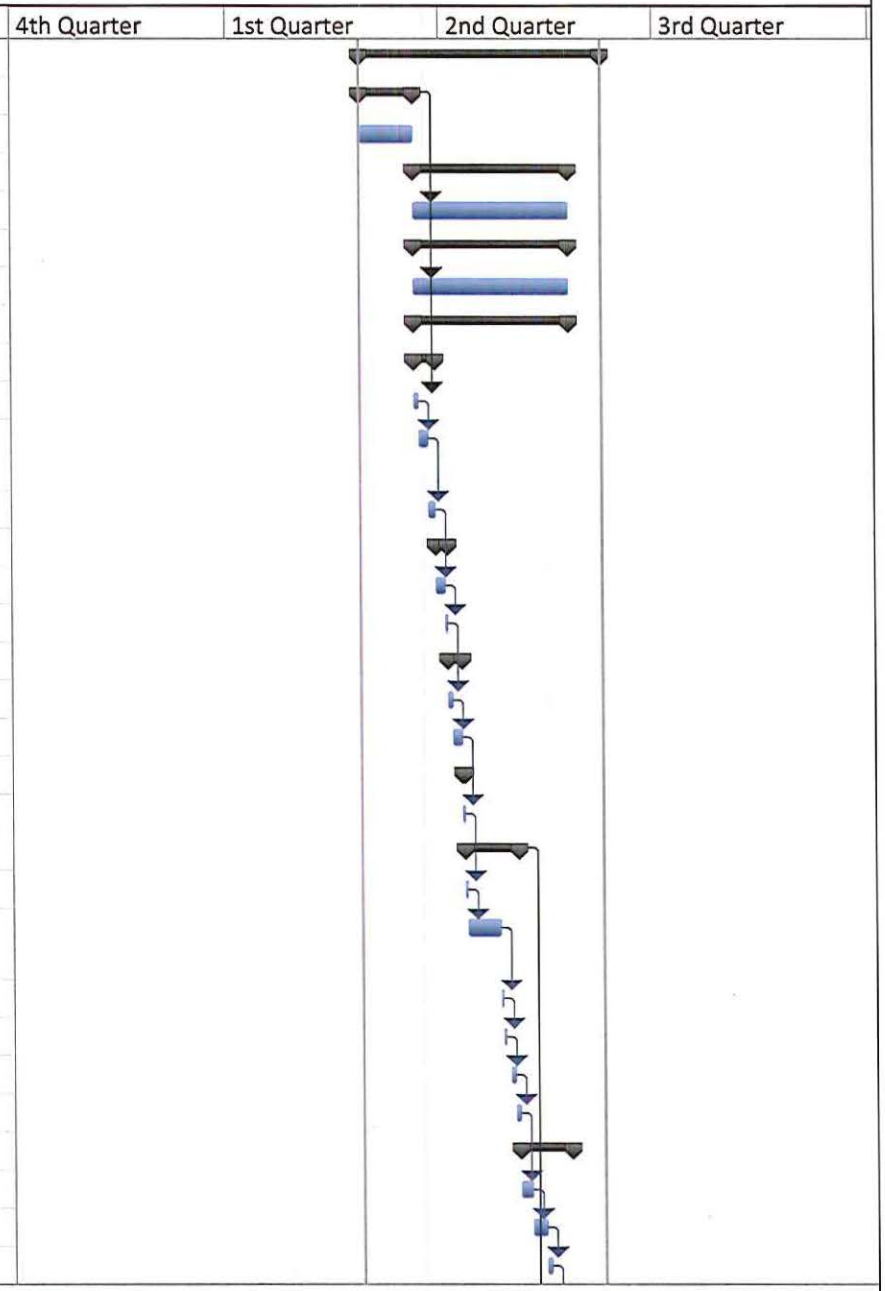
ID	Task Name	Cost
1	**Lake Road Boiler 5 Retirement**	**$139,631.92**
2	**Pre-Engineering**	**$25,969.20**
3	Engineering analysis and establish isolation points.	$0.00
4	**KCL&L Overhead Costs**	**$29,740.80**
5	KCP&L Retirement Manager	$29,740.80
6	**Equipment Rentals**	**$10,076.16**
7	Vacuum truck	$10,076.16
8	**Retirement**	**$60,563.76**
9	**Motors**	**$6,216.00**
10	De-energize all primary power at the source.	$1,786.56
11	De-energize all low-voltage power sources for space heaters or other auxiliary equipment at the source.	$1,786.56
12	Drain lube oil system (if applicable) and dispose of oil.	$2,642.88
13	**Sulfur Injection System**	**$2,522.72**
14	Empty, Clean and Vent the Storage Tank	$2,522.72
15	Drain and Flush the Sulfur Injection System Piping and Vent	$0.00
16	**Fuel Systems**	**$4,208.16**
17	Open and Clean the Boiler 5 Bunker	$1,685.44
18	Isolate and Vent the Gas Systems	$2,522.72
19	**Boiler Chemical Feed**	**$842.72**
20	Drain all chemical feed tanks and piping	$842.72
21	**Boiler**	**$13,804.64**
22	Open boiler doors.	$880.96
23	Gas side - perform cleaning of the boiler.	$11,200.00
24	Drain boiler, drum, downcomers and headers.	$842.72
25	Open drum doors.	$880.96
26	Open and Clean the Pulverizers	$0.00
27	Open and Vent the Coal Piping	$0.00
28	**Precipitator**	**$20,181.76**
29	Multiple cleaning cycles for collection plates.	$3,784.08
30	Clear hoppers of all ash	$5,045.44
31	Disconnect tranformers.	$2,522.72
32	Mechanically secure all compartment dampers and hopper outlet valves in open position.	$1,261.36
33	Disconnect ash transport piping and washdown baghouse hoppers and interior of casing.	$1,261.36
34	Install bird screens across hopper ash outlet and ash line flanges.	$1,261.36
35	Padlock or tack weld all hopper doors shut. (note: if ash hopper doors are indoors, they could be removed and the opening covered with bird screens.)	$1,261.36
36	Pull electrical supply breakers on all electrical equipment except lighting and HVAC components that are to remain in service.	$3,784.08
37	**Ductwork**	**$6,480.96**
38	Open ductwork doors.	$880.96

Lake Road Boiler 5 Retirement

ID	Task Name	Cost
39	Perform extensive cleaning of the ductwork.	$5,600.00
40	**Ash Handling**	**$6,306.80**
41	Open and Vacuum the Ash Silo	$5,045.44
42	Open and Clean Ash Handling Equipment	$1,261.36
43	**Post Retirement Activities**	**$13,282.00**
44	Post Retirement Activities	$13,282.00

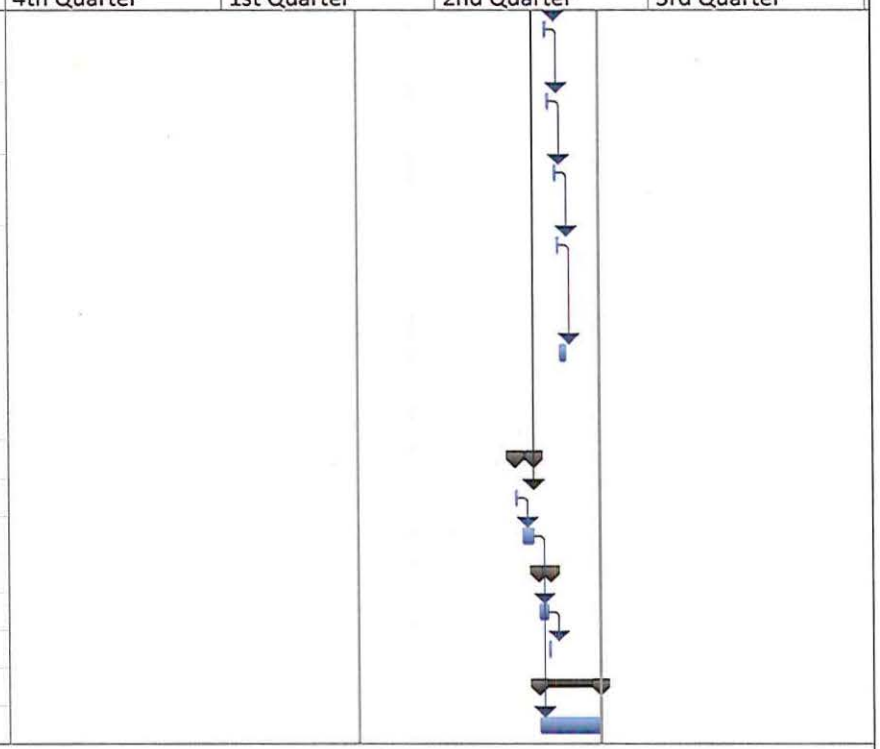
Lake Road Boiler 5 Retirement

ID	Task Name	Duration
1	**Lake Road Boiler 5 Retirement**	**75 days**
2	**Pre-Engineering**	**17 days**
3	Engineering analysis and establish isolation points.	17 days
4	**KCL&L Overhead Costs**	**48 days**
5	KCP&L Retirement Manager	48 days
6	**Equipment Rentals**	**48 days**
7	Vacuum truck	48 days
8	**Retirement**	**48 days**
9	**Motors**	**7 days**
10	De-energize all primary power at the source.	2 days
11	De-energize all low-voltage power sources for space heaters or other auxiliary equipment at the source.	2 days
12	Drain lube oil system (if applicable) and dispose of oil.	3 days
13	**Sulfur Injection System**	**3 days**
14	Empty, Clean and Vent the Storage Tank	2 days
15	Drain and Flush the Sulfur Injection System Piping and Vent	1 day
16	**Fuel Systems**	**4 days**
17	Open and Clean the Boiler 5 Bunker	2 days
18	Isolate and Vent the Gas Systems	2 days
19	**Boiler Chemical Feed**	**1 day**
20	Drain all chemical feed tanks and piping	1 day
21	**Boiler**	**17 days**
22	Open boiler doors.	1 day
23	Gas side - perform cleaning of the boiler.	10 days
24	Drain boiler, drum, downcomers and headers.	1 day
25	Open drum doors.	1 day
26	Open and Clean the Pulverizers	2 days
27	Open and Vent the Coal Piping	2 days
28	**Precipitator**	**16 days**
29	Multiple cleaning cycles for collection plates.	3 days
30	Clear hoppers of all ash	4 days
31	Disconnect tranformers.	2 days



Lake Road Boiler 5 Retirement

ID	Task Name	Duration
32	Mechanically secure all compartment dampers and hopper outlet valves in open position.	1 day
33	Disconnect ash transport piping and washdown baghouse hoppers and interior of casing.	1 day
34	Install bird screens across hopper ash outlet and ash line flanges.	1 day
35	Padlock or tack weld all hopper doors shut. (note: if ash hopper doors are indoors, they could be removed and the opening covered with bird screens.)	1 day
36	Pull electrical supply breakers on all electrical equipment except lighting and HVAC components that are to remain ir service.	3 days
37	**Ductwork**	**6 days**
38	Open ductwork doors.	1 day
39	Perform extensive cleaning of the ductwork.	5 days
40	**Ash Handling**	**5 days**
41	Open and Vacuum the Ash Silo	4 days
42	Open and Clean Ash Handling Equipment	1 day
43	**Post Retirement Activities**	**20 days**
44	Post Retirement Activities	20 days



Lake Road Boiler 5 Dismantlement

Owner Costs					
	Pre-Dismantlement Activities			$186,483	
	Overhead During Dismantlement			$558,223	
	Post-Dismantlement Activities			$16,380	
	Owner Costs Total*				$761,086
Demolition General Contractor (DGC) Costs					
	Site Management			$278,906	
	Equipment Rental			$662,284	
	Consummables			$660,747	
	Scrap Crew(s)			$655,637	
	Dismantlement			$1,174,730	
	Contractor Direct Cost*		$3,432,304		
	Contractor Allowances				
	DGC Insurance	2.00%		$68,646	
	Contingency/Profit	15.00%		$525,143	
	Performance Bond	2.00%		$80,521.85	
	Contractor Costs Total:				$4,106,614
Total:					$4,867,700
Owner Internal Costs:		5.00%			$243,385
Owner Contingency:		25.00%			$1,277,771
Lake Road Boiler 5 Dismantlement Opinion of Probable Cost:					$6,388,857

*Owner Costs Total + Contractor Direct Costs = Manpower Loaded Schedule Total w/o Contractor Allowances
= $4,193,390

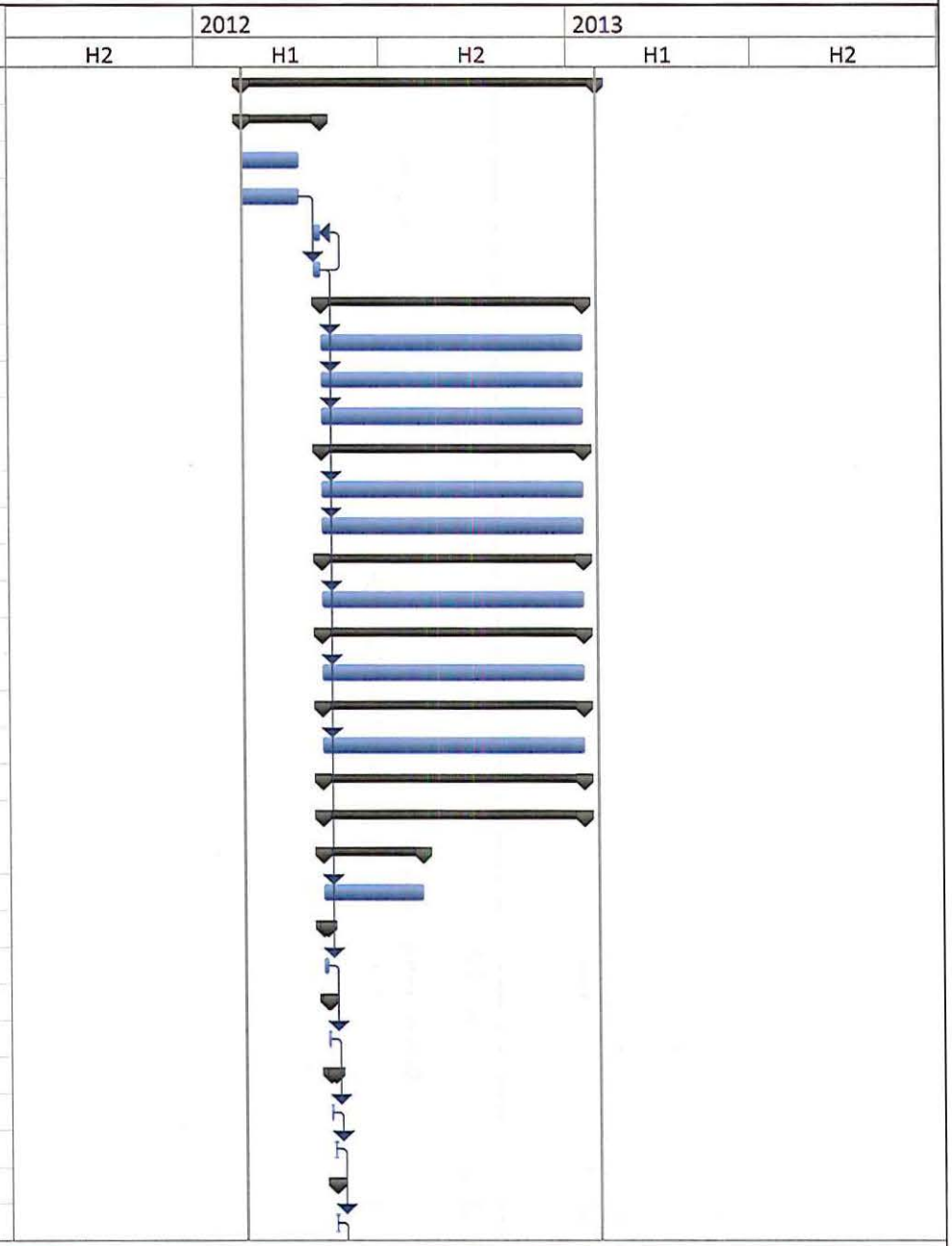
Lake Road Boiler 5 Dismantlement		
ID	Task Name	Cost
1	**Lake Road Boiler 5 Dismantlement**	**$4,193,392.76**
2	**Pre-Dismantlement Activities**	**$186,483.32**
3	Detailed Planning & Hire Owner's Engineer	$69,627.52
4	Hire Demolition General Contractor	$111,456.00
5	KCP&L Prepares Unit for Dismantlement	$5,399.80
6	Demolition Contractor Mobilizes on Site	$0.00
7	**KCP&L Overhead during Dismantlement**	**$558,223.20**
8	KCP&L Engineer	$186,367.20
9	Owners Engineer Project Manager	$55,632.00
10	Owners Engineer - Engineer	$316,224.00
11	**Demoliton Contractor Overhead during Dismantlement**	**$278,906.64**
12	Demolition Contractor Safety Manager	$97,985.52
13	Demolition Contractor Superintendent	$180,921.12
14	**Demolition Contractor Equipment Rental Costs**	**$662,284.32**
15	Equipment Rental	$662,284.32
16	**Demolition Contractor Consummables**	**$660,747.12**
17	Consummables	$660,747.12
18	**Scrap Crew(s)**	**$655,637.76**
19	Crew to Handle Scrap Material(s)	$655,637.76
20	**Dismantlement Directs**	**$1,174,730.40**
21	**Phase 1 Demolition**	**$1,174,730.40**
22	**Electrical Demolition**	**$125,395.20**
23	Electrical Demolition Equipment	$125,395.20
24	**Boiler Feed System**	**$3,582.72**
25	Feedwater piping	$3,582.72
26	**Critical Piping**	**$3,582.72**
27	Main Steam Piping	$3,582.72
28	**Gas Systems (Plant Side)**	**$5,374.08**
29	Gas Piping and Equipment	$3,582.72
30	Igniters	$1,791.36
31	**Air Preheat System**	**$1,791.36**
32	Steam Coil Air Heater Piping	$1,791.36
33	**Miscellaneous Equipment**	**$14,330.88**
34	Miscellaneous Equipment (including Fire Protection)	$14,330.88
35	**Boiler Equipment**	**$175,151.52**
36	Fans	$21,496.32
37	Steam Drum	$35,827.20
38	Soot Blowers	$3,180.96
39	Ductwork	$21,496.32
40	Pulverizers	$35,827.20
41	Coal Bunkers	$14,330.88
42	Feeders	$7,165.44
43	Ash Silo	$17,913.60
44	Ash Handling Equipment	$17,913.60

Lake Road Boiler 5 Dismantlement

ID	Task Name	Cost
45	**Boiler Removal**	**$207,797.76**
46	Furnace	$107,481.60
47	Back Pass	$100,316.16
48	**Boiler Steel Framing**	**$351,106.56**
49	Hanger Girders at Top	$71,654.40
50	All Other Framing	$100,316.16
51	Bracing and Girts	$100,316.16
52	Columns	$78,819.84
53	**Precipitator**	**$143,308.80**
54	Remove Precipitator	$143,308.80
55	**Boiler Foundations**	**$143,308.80**
56	Equipment Foundation Demolition to Grade	$143,308.80
57	**Project Close-Out**	**$16,380.00**
58	Project Close-Out Activities	$16,380.00

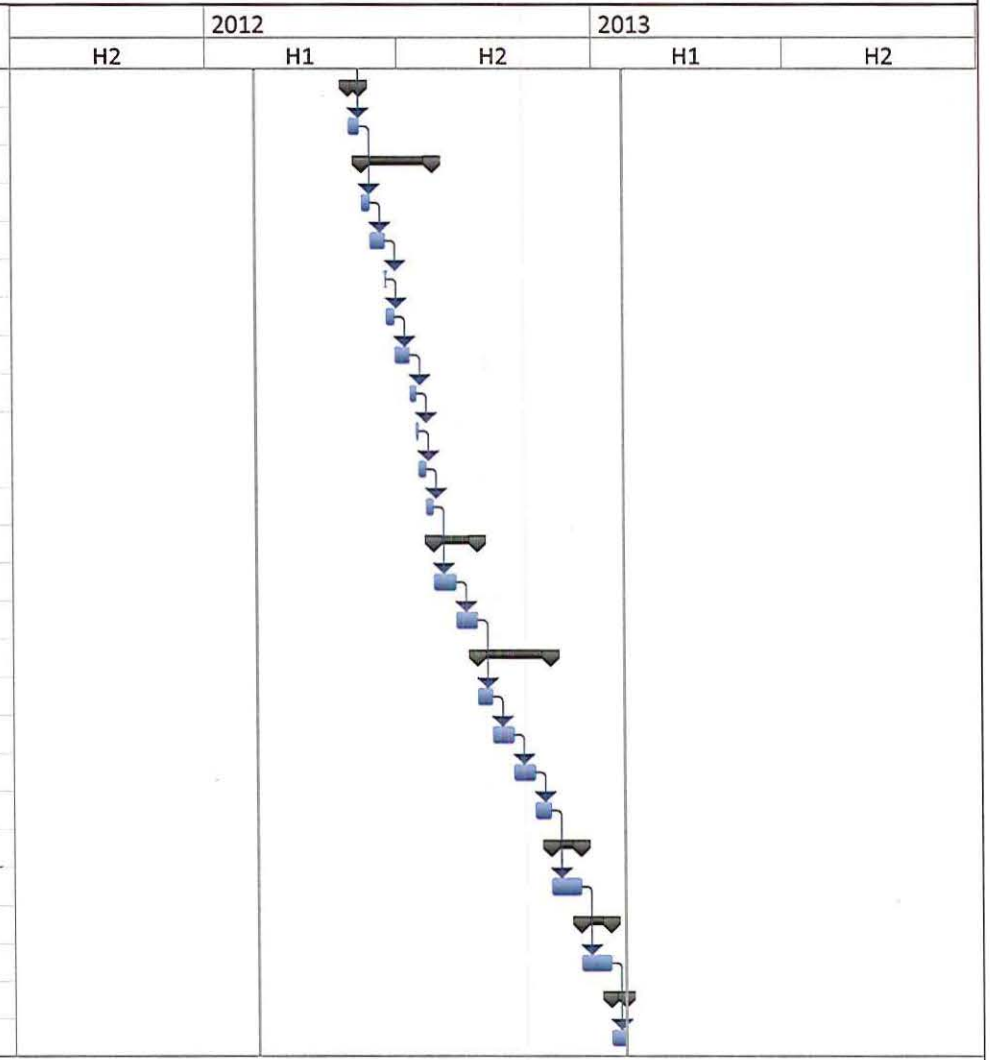
Lake Road Boiler 5 Dismantlement

ID	Task Name	Duration
1	**Lake Road Boiler 5 Dismantlement**	**248 days**
2	**Pre-Dismantlement Activities**	**55 days**
3	Detailed Planning & Hire Owner's Engineer	2 mons
4	Hire Demolition General Contractor	2 mons
5	KCP&L Prepares Unit for Dismantlement	1 wk
6	Demolition Contractor Mobilizes on Site	5 days
7	**KCP&L Overhead during Dismantlement**	**183 days**
8	KCP&L Engineer	183 days
9	Owners Engineer Project Manager	183 days
10	Owners Engineer - Engineer	183 days
11	**Demoliton Contractor Overhead during Dismantlemer**	**183 days**
12	Demolition Contractor Safety Manager	183 days
13	Demolition Contractor Superintendent	183 days
14	**Demolition Contractor Equipment Rental Costs**	**183 days**
15	Equipment Rental	183 days
16	**Demolition Contractor Consummables**	**183 days**
17	Consummables	183 days
18	**Scrap Crew(s)**	**183 days**
19	Crew to Handle Scrap Material(s)	183 days
20	**Dismantlement Directs**	**183 days**
21	**Phase 1 Demolition**	**183 days**
22	**Electrical Demolition**	**70 days**
23	Electrical Demolition Equipment	70 days
24	**Boiler Feed System**	**2 days**
25	Feedwater piping	2 days
26	**Critical Piping**	**2 days**
27	Main Steam Piping	2 days
28	**Gas Systems (Plant Side)**	**3 days**
29	Gas Piping and Equipment	2 days
30	Igniters	1 day
31	**Air Preheat System**	**1 day**
32	Steam Coil Air Heater Piping	1 day



Lake Road Boiler 5 Dismantlement

ID	Task Name	Duration
33	**Miscellaneous Equipment**	**8 days**
34	Miscellaneous Equipment (including Fire Protec	8 days
35	**Boiler Equipment**	**49 days**
36	Fans	6 days
37	Steam Drum	10 days
38	Soot Blowers	1 day
39	Ductwork	6 days
40	Pulverizers	10 days
41	Coal Bunkers	4 days
42	Feeders	2 days
43	Ash Silo	5 days
44	Ash Handling Equipment	5 days
45	**Boiler Removal**	**29 days**
46	Furnace	15 days
47	Back Pass	14 days
48	**Boiler Steel Framing**	**49 days**
49	Hanger Girders at Top	10 days
50	All Other Framing	14 days
51	Bracing and Girts	14 days
52	Columns	11 days
53	**Precipitator**	**20 days**
54	Remove Precipitator	20 days
55	**Boiler Foundations**	**20 days**
56	Equipment Foundation Demolition to Grade	20 days
57	**Project Close-Out**	**10 days**
58	Project Close-Out Activities	10 days



BOILER 8

Lake Road Boiler 8 Retirement

Owner Costs			
Pre-Retirement Activities		$22,914	
Retirement Activities		$44,223	
Post-Retirement Activities		$13,282	
Owner Direct Total			$80,419
Owner Internal Costs	5.00%		$4,021
Owner Contingency:	25.00%		$21,110
Lake Road Boiler 8 Retirement Opinion of Probable Cost:			$105,550

Lake Road Boiler 8 Retirement

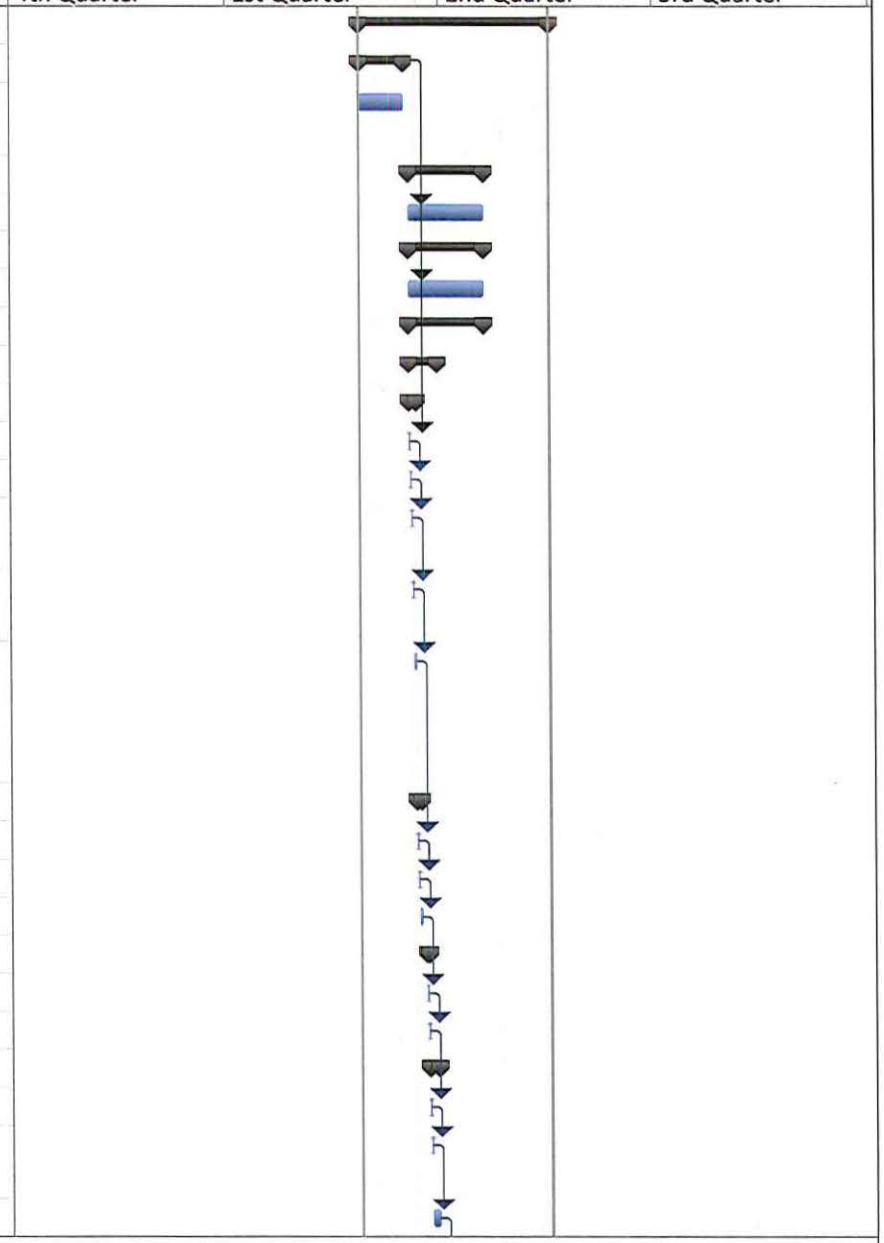
ID	Task Name	Cost
1	**Lake Road Boiler 8 Retirement**	**$80,419.36**
2	**Pre-Engineering**	**$22,914.00**
3	Permit review and engineering analysis and establish isolation points.	$22,914.00
4	**KCL&L Overhead Costs**	**$14,870.40**
5	KCP&L Retirement Manager	$14,870.40
6	**Equipment Rentals**	**$5,038.08**
7	Vacuum truck	$5,038.08
8	**Retirement**	**$24,314.88**
9	**Electrical**	**$10,037.04**
10	**Medium and Low Voltage Draw out Switchgear**	**$2,679.84**
11	De-energize all buses at the source.	$446.64
12	Open all circuit breakers.	$446.64
13	Rack all circuit breakers into the fully withdrawn, disconnected position.	$446.64
14	Verify that the closing/tripping springs are discharged.	$446.64
15	De-energize control power and auxiliary power circuits of each circuit breaker at the source and by opening control power circuit breakers or removing fuses in each breaker cubicle.	$893.28
16	**Motor Control Centers**	**$1,786.56**
17	De-energize all buses at the source.	$446.64
18	Open all circuit breakers and disconnect switches.	$446.64
19	Remove all fuses in control circuits.	$893.28
20	**Low-voltage Switchboards and Panelboards**	**$893.28**
21	De-energize all buses at the source.	$446.64
22	Open all circuit breakers and disconnect switches.	$446.64
23	**Motors**	**$4,677.36**
24	De-energize all primary power at the source.	$446.64
25	De-energize all low-voltage power sources for space heaters or other auxiliary equipment at the source.	$446.64
26	Drain lube oil system (if applicable) and dispose of oil.	$3,784.08
27	**Fuel Systems**	**$2,522.72**
28	Isolate gas lines from source, open and vent.	$1,261.36
29	Isolate fuel oil lines from source, drain, open and vent.	$1,261.36
30	**Boiler Chemical Feed**	**$1,261.36**
31	Drain all chemical feed tanks.	$1,261.36
32	**Boiler**	**$4,844.64**
33	Open boiler doors.	$880.96
34	Gas side - perform cleaning of the boiler and bottom ash system.	$2,240.00
35	Drain boiler, drum, downcomers and headers.	$842.72
36	Open drum doors.	$880.96
37	**Ductwork**	**$3,120.96**
38	Open ductwork doors.	$880.96
39	Perform extensive cleaning of the ductwork.	$2,240.00
40	**Feedwater Piping**	**$842.72**

Lake Road Boiler 8 Retirement

ID	Task Name	Cost
41	Drain water from the system.	$421.36
42	Leave open vents and drains.	$421.36
43	**Deaerator and Deaerator Storage Tank**	**$842.72**
44	Drain Deaerator and Storage	$421.36
45	Leave open vents and drains.	$421.36
46	**Compressed Air System**	**$842.72**
47	Open vents and drains.	$842.72
48	**Post Retirement Activities**	**$13,282.00**
49	Post Retirement Activities	$13,282.00

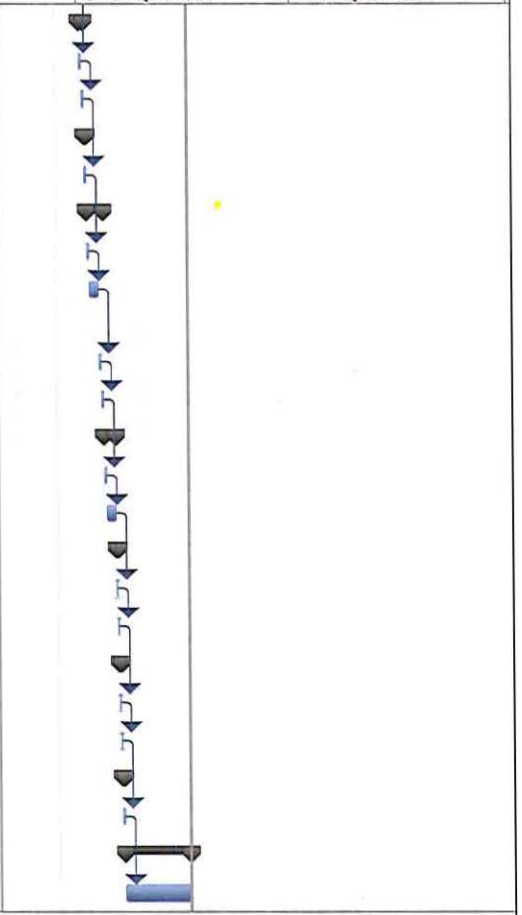
Lake Road Boiler 8 Retirement

ID	Task Name	Duration
1	**Lake Road Boiler 8 Retirement**	**59 days**
2	**Pre-Engineering**	**15 days**
3	Permit review and engineering analysis and establish isolation points.	15 days
4	**KCL&L Overhead Costs**	**24 days**
5	KCP&L Retirement Manager	24 days
6	**Equipment Rentals**	**24 days**
7	Vacuum truck	24 days
8	**Retirement**	**24 days**
9	**Electrical**	**10 days**
10	**Medium and Low Voltage Draw out Switchgear**	**3 days**
11	De-energize all buses at the source.	0.5 days
12	Open all circuit breakers.	0.5 days
13	Rack all circuit breakers into the fully withdrawn, disconnected position.	0.5 days
14	Verify that the closing/tripping springs are discharged.	0.5 days
15	De-energize control power and auxiliary power circuits of each circuit breaker at the source and by opening control power circuit breakers or removing fuses in each breaker cubicle.	1 day
16	**Motor Control Centers**	**2 days**
17	De-energize all buses at the source.	0.5 days
18	Open all circuit breakers and disconnect switches.	0.5 days
19	Remove all fuses in control circuits.	1 day
20	**Low-voltage Switchboards and Panelboards**	**1 day**
21	De-energize all buses at the source.	0.5 days
22	Open all circuit breakers and disconnect switches.	0.5 days
23	**Motors**	**4 days**
24	De-energize all primary power at the source.	0.5 days
25	De-energize all low-voltage power sources for space heaters or other auxiliary equipment at the source.	0.5 days
26	Drain lube oil system (if applicable) and dispose of oil.	3 days



Lake Road Boiler 8 Retirement

ID	Task Name	Duration
27	**Fuel Systems**	**2 days**
28	Isolate gas lines from source, open and vent.	1 day
29	Isolate fuel oil lines from source, drain, open and vent.	1 day
30	**Boiler Chemical Feed**	**1 day**
31	Drain all chemical feed tanks.	1 day
32	**Boiler**	**5 days**
33	Open boiler doors.	1 day
34	Gas side - perform cleaning of the boiler and bottom ash system.	2 days
35	Drain boiler, drum, downcomers and headers.	1 day
36	Open drum doors.	1 day
37	**Ductwork**	**3 days**
38	Open ductwork doors.	1 day
39	Perform extensive cleaning of the ductwork.	2 days
40	**Feedwater Piping**	**1 day**
41	Drain water from the system.	0.5 days
42	Leave open vents and drains.	0.5 days
43	**Deaerator and Deaerator Storage Tank**	**1 day**
44	Drain Deaerator and Storage	0.5 days
45	Leave open vents and drains.	0.5 days
46	**Compressed Air System**	**1 day**
47	Open vents and drains.	1 day
48	**Post Retirement Activities**	**20 days**
49	Post Retirement Activities	20 days



Lake Road Boiler 8 Dismantlement

Owner Costs				
Pre-Dismantlement Activities			$177,983	
Overhead During Dismantlement			$67,214	
Post-Dismantlement Activities			$16,380	
Owner Costs Total*				$261,577
Demolition General Contractor (DGC) Costs				
Site Management			$140,279	
Equipment Rental			$238,856	
Consummables			$238,302	
Scrap Crew(s)			$236,459	
Dismantlement			$360,502	
Contractor Direct Cost*		$1,214,398		
Contractor Allowances				
DGC Insurance	2.00%		$24,288	
Contingency/Profit	15.00%		$185,803	
Performance Bond	2.00%		$28,489.78	
Contractor Costs Total:				$1,452,979
Total:				$1,714,556
Owner Internal Costs:	5.00%			$85,728
Owner Contingency:	25.00%			$450,071
Lake Road Boiler 8 Dismantlement Opinion of Probable Cost:				$2,250,354

*Owner Costs Total + Contractor Direct Costs = Manpower Loaded Schedule Total w/o Contractor Allowances
= $1,475,975

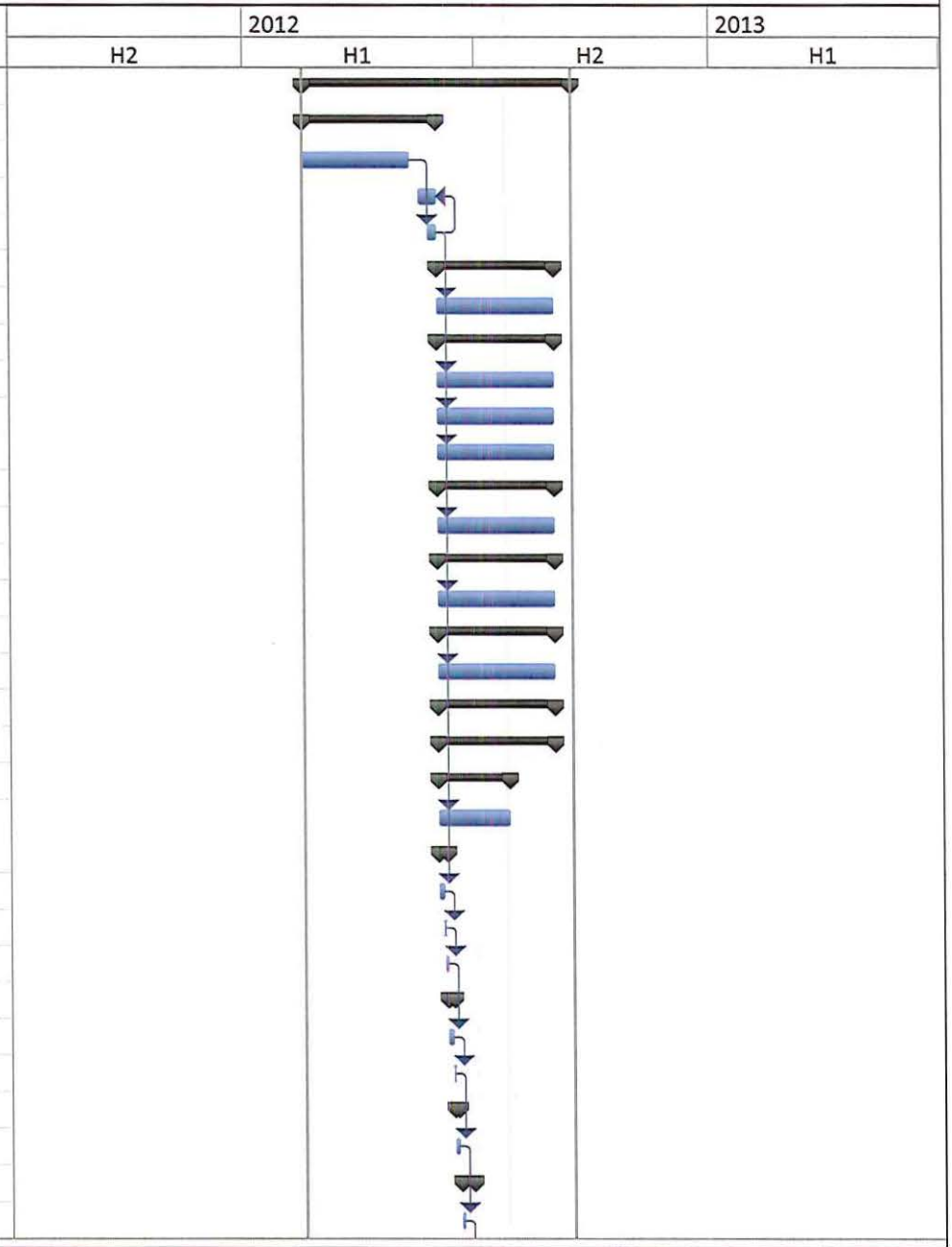
Lake Road Boiler 8 Dismantlement		
ID	Task Name	Cost
1	**Lake Road Boiler 8 Dismantlement**	**$1,475,977.84**
2	**Pre-Dismantlement Activities**	**$177,983.60**
3	Hire Demolition General Contractor	$167,184.00
4	KCP&L Prepares Unit for Dismantlement	$10,799.60
5	Demolition Contractor Mobilizes on Site	$0.00
6	**KCP&L Overhead during Dismantlement**	**$67,214.40**
7	KCP&L Engineer	$67,214.40
8	**Demoliton Contractor Overhead during Dismantlement**	**$140,279.04**
9	Demolition Contractor Project Manager	$39,689.76
10	Demolition Contractor Safety Manager	$35,339.04
11	Demolition Contractor Superintendent	$65,250.24
12	**Demolition Contractor Equipment Rental Costs**	**$238,856.64**
13	Equipment Rental	$238,856.64
14	**Demolition Contractor Consummables**	**$238,302.24**
15	Consummables	$238,302.24
16	**Scrap Crew(s)**	**$236,459.52**
17	Crew to Handle Scrap Material(s)	$236,459.52
18	**Dismantlement Directs**	**$360,502.40**
19	**Phase 1 Demolition**	**$360,502.40**
20	**Electrical Demolition**	**$71,654.40**
21	Electrical Demolition Equipment	$71,654.40
22	**Condensate System**	**$8,956.80**
23	Deaerator	$3,582.72
24	Deaerator Storage Tank	$1,791.36
25	Condensate Piping	$3,582.72
26	**Boiler Feed System**	**$11,187.20**
27	Boiler Feed Pumps	$4,021.76
28	Feedwater piping	$7,165.44
29	**Critical Piping**	**$5,374.08**
30	Main Steam Piping	$5,374.08
31	**Fuel Systems**	**$14,330.88**
32	Fuel Oil Piping	$3,582.72
33	Gas Piping	$1,791.36
34	Igniters	$8,956.80
35	**Chemical Feed Systems**	**$7,165.44**
36	Tanks	$1,791.36
37	Pumps	$1,791.36
38	Piping	$3,582.72
39	**Sampling Systems**	**$5,374.08**
40	Field Mounted Heat Exchangers	$1,791.36
41	Piping	$1,791.36
42	Sample Panel	$1,791.36
43	**Miscellaneous Equipment**	**$7,165.44**
44	Miscellaneous Equipment (including Fire Protection)	$7,165.44

Lake Road Boiler 8 Dismantlement

ID	Task Name	Cost
45	**Boiler Equipment**	**$28,661.76**
46	Fans	$3,582.72
47	Steam Drum	$14,330.88
48	Ductwork	$10,748.16
49	**Boiler Removal**	**$71,654.40**
50	Furnace	$71,654.40
51	**Boiler Steel Framing**	**$71,654.40**
52	Framing and Supports	$71,654.40
53	**Boiler Building**	**$21,496.32**
54	Remove Boiler Building	$21,496.32
55	**Boiler Foundations**	**$35,827.20**
56	Equipment Foundation Demolition to Grade	$35,827.20
57	**Project Close-Out**	**$16,380.00**
58	Project Close-Out Activities	$16,380.00

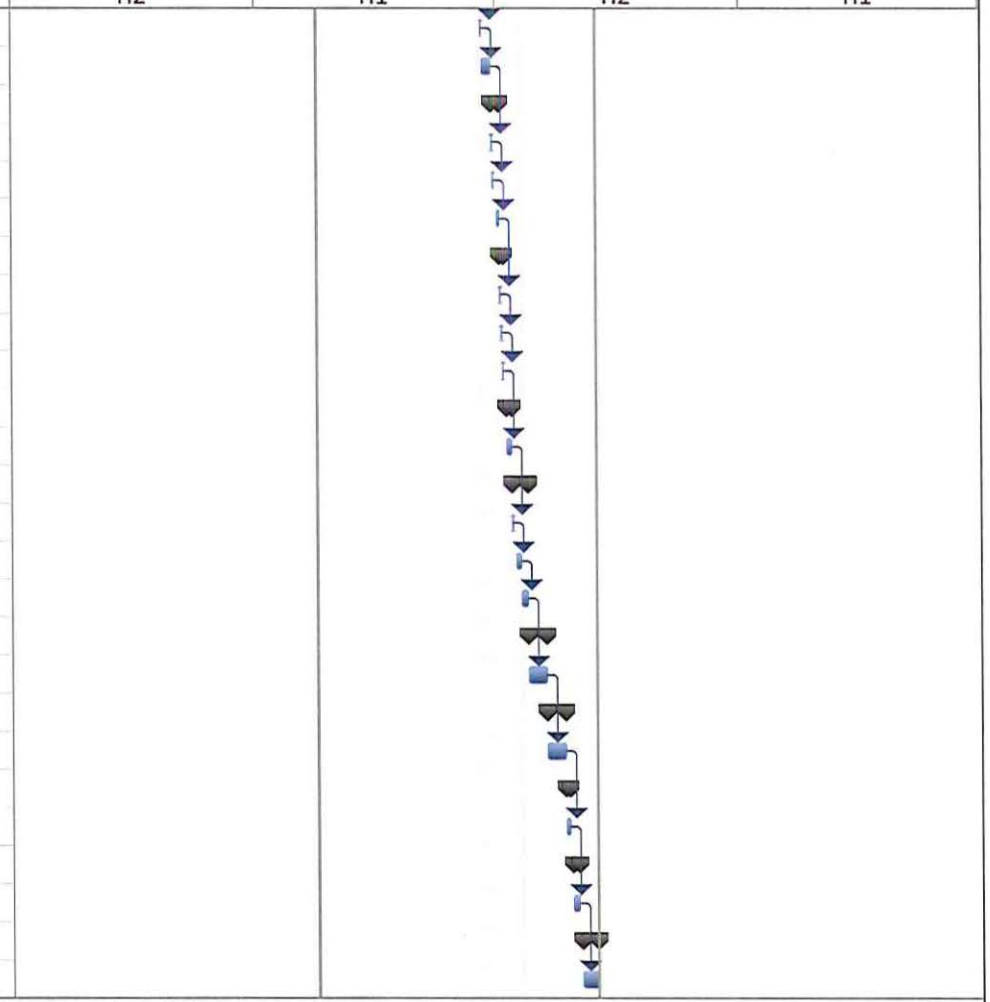
Lake Road Boiler 8 Dismantlement

ID	Task Name	Duration
1	**Lake Road Boiler 8 Dismantlement**	**151 days**
2	**Pre-Dismantlement Activities**	**75 days**
3	Hire Demolition General Contractor	3 mons
4	KCP&L Prepares Unit for Dismantlement	2 wks
5	Demolition Contractor Mobilizes on Site	5 days
6	**KCP&L Overhead during Dismantlement**	**66 days**
7	KCP&L Engineer	66 days
8	**Demoliton Contractor Overhead during Dismantlemer**	**66 days**
9	Demolition Contractor Project Manager	66 days
10	Demolition Contractor Safety Manager	66 days
11	Demolition Contractor Superintendent	66 days
12	**Demolition Contractor Equipment Rental Costs**	**66 days**
13	Equipment Rental	66 days
14	**Demolition Contractor Consummables**	**66 days**
15	Consummables	66 days
16	**Scrap Crew(s)**	**66 days**
17	Crew to Handle Scrap Material(s)	66 days
18	**Dismantlement Directs**	**66 days**
19	**Phase 1 Demolition**	**66 days**
20	**Electrical Demolition**	**40 days**
21	Electrical Demolition Equipment	40 days
22	**Condensate System**	**5 days**
23	Deaerator	2 days
24	Deaerator Storage Tank	1 day
25	Condensate Piping	2 days
26	**Boiler Feed System**	**3 days**
27	Boiler Feed Pumps	2 days
28	Feedwater piping	1 day
29	**Critical Piping**	**3 days**
30	Main Steam Piping	3 days
31	**Fuel Systems**	**8 days**
32	Fuel Oil Piping	2 days



Lake Road Boiler 8 Dismantlement

ID	Task Name	Duration
33	Gas Piping	1 day
34	Igniters	5 days
35	**Chemical Feed Systems**	**4 days**
36	Tanks	1 day
37	Pumps	1 day
38	Piping	2 days
39	**Sampling Systems**	**3 days**
40	Field Mounted Heat Exchangers	1 day
41	Piping	1 day
42	Sample Panel	1 day
43	**Miscellaneous Equipment**	**4 days**
44	Miscellaneous Equipment (including Fire Protec	4 days
45	**Boiler Equipment**	**8 days**
46	Fans	1 day
47	Steam Drum	4 days
48	Ductwork	3 days
49	**Boiler Removal**	**10 days**
50	Furnace	10 days
51	**Boiler Steel Framing**	**10 days**
52	Framing and Supports	10 days
53	**Boiler Building**	**3 days**
54	Remove Boiler Building	3 days
55	**Boiler Foundations**	**5 days**
56	Equipment Foundation Demolition to Grade	5 days
57	**Project Close-Out**	**10 days**
58	Project Close-Out Activities	10 days



Lake Road 4/6 Retirement

Owner Costs				
	Pre-Retirement Activities		$61,104	
	Retirement Activities		$206,732	
	Post-Retirement Activities		$26,564	
Owner Direct Total			$294,400	
Owner Internal Costs		5.00%	$14,720	
Owner Contingency:		25.00%	$77,280	
Lake Road 4/6 Retirement Opinion of Probable Cost:				$386,400
Activities Required by Permit or Regulation				
	Lake Road 4 River Intake		$637,591	
	Activities Required by Permit or Regulation:			$637,591

Lake Road 4/6 Retirement

ID	Task Name	Cost
1	**Lake Road 4/6 Retirement**	**$294,400.77**
2	**Pre-Engineering**	**$61,104.00**
3	Permit review and engineering analysis and establish isolation points.	$61,104.00
4	**KCL&L Overhead Costs**	**$73,732.40**
5	KCP&L Retirement Manager	$73,732.40
6	**Equipment Rentals**	**$24,980.48**
7	Vacuum truck	$24,980.48
8	**Retirement**	**$108,019.89**
9	**Electrical**	**$20,052.88**
10	**Medium and Low Voltage Draw out Switchgear**	**$2,679.84**
11	De-energize all buses at the source.	$446.64
12	Open all circuit breakers.	$446.64
13	Rack all circuit breakers into the fully withdrawn, disconnected position.	$446.64
14	Verify that the closing/tripping springs are discharged.	$446.64
15	De-energize control power and auxiliary power circuits of each circuit breaker at the source and by opening control power circuit breakers or removing fuses in each breaker cubicle.	$893.28
16	**Motor Control Centers**	**$1,786.56**
17	De-energize all buses at the source.	$446.64
18	Open all circuit breakers and disconnect switches.	$446.64
19	Remove all fuses in control circuits.	$893.28
20	**Low-voltage Switchboards and Panelboards**	**$893.28**
21	De-energize all buses at the source.	$446.64
22	Open all circuit breakers and disconnect switches.	$446.64
23	**Oil-Filled Power Transformers**	**$5,549.44**
24	De-energize all transformer primaries and verify that the secondary is de-energized.	$893.28
25	De-energize all low-voltage AC or DC power sources for space heaters, cooling equipment, controls, etc. at the source and open circuit breakers or remove fuses at transformer end.	$893.28
26	Drain and dispose of oil.	$2,642.88
27	Clean up and dispose of oil on surface areas around the transformers on in containment pits.	$1,120.00
28	**Dry-type Power Transformers**	**$1,786.56**
29	De-energize all transformer primaries and verify that the secondary is de-energized.	$893.28
30	De-energize all low-voltage AC or DC power sources for space heaters, cooling equipment, controls, etc. at the source and open circuit breakers or remove fuses at transformer end.	$893.28
31	**Motors**	**$7,357.20**
32	De-energize all primary power at the source.	$1,786.56
33	De-energize all low-voltage power sources for space heaters or other auxiliary equipment at the source.	$1,786.56

Lake Road 4/6 Retirement

ID	Task Name	Cost
34	Drain lube oil system (if applicable) and dispose of oil.	$3,784.08
35	**Coal Handling**	**$5,466.80**
36	Empty both coal silos.	$1,682.72
37	Confirm conveyors are run out of fuel.	$1,261.36
38	Perform cleaning of the coal handling equipment to assure that all coal and coal dust has been removed from area.	$2,522.72
39	**Gas System**	**$2,522.72**
40	Isolate lines from source, open and vent.	$2,522.72
41	**Boiler Chemical Feed**	**$2,522.72**
42	Drain all chemical feed tanks.	$2,522.72
43	**Demineralizer**	**$5,371.84**
44	Drain water from system.	$842.72
45	Drain acid and caustic tanks.	$1,685.44
46	Open tanks and vessels.	$880.96
47	Remove resin.	$1,120.00
48	Drain and Vent the Demineralized Water Storage Tank	$842.72
49	**Boiler**	**$26,508.85**
50	Open boiler doors.	$880.96
51	Gas side - perform cleaning of the boiler and bottom ash system.	$16,800.00
52	Drain boiler, drum, downcomers and headers.	$842.72
53	Open drum doors.	$880.96
54	Drain, vent and clean the fly ash, slag and transport systems	$2,480.13
55	Drain and vent the steam coil air heaters and piping	$1,541.36
56	Drain and vent the steam coil air heater drain tanks	$1,541.36
57	Drain and vent boiler sampling system panel and piping	$1,541.36
58	**Precipitator**	**$8,357.60**
59	Multiple cleaning cycles for collection plates.	$1,685.44
60	Clear hoppers of all ash	$1,402.72
61	Disconnect transformers.	$1,786.56
62	Mechanically secure all compartment dampers and hopper outlet valves in open position.	$720.48
63	Disconnect ash transport piping and washdown hoppers and interior of casing.	$1,000.48
64	Install bird screens across hopper ash outlet and ash line flanges.	$880.96
65	Padlock or tack weld all hopper doors shut. (note: if ash hopper doors are indoors, they could be removed and the opening covered with bird screens.)	$880.96
66	**Ductwork**	**$9,840.96**
67	Open ductwork doors.	$880.96
68	Perform extensive cleaning of the ductwork.	$8,960.00
69	Isolate ductwork at tie to common ductwork.	$0.00
70	**Condensate and Feedwater Piping**	**$1,685.44**
71	Drain water from the system.	$842.72
72	Leave open vents and drains.	$842.72

Lake Road 4/6 Retirement

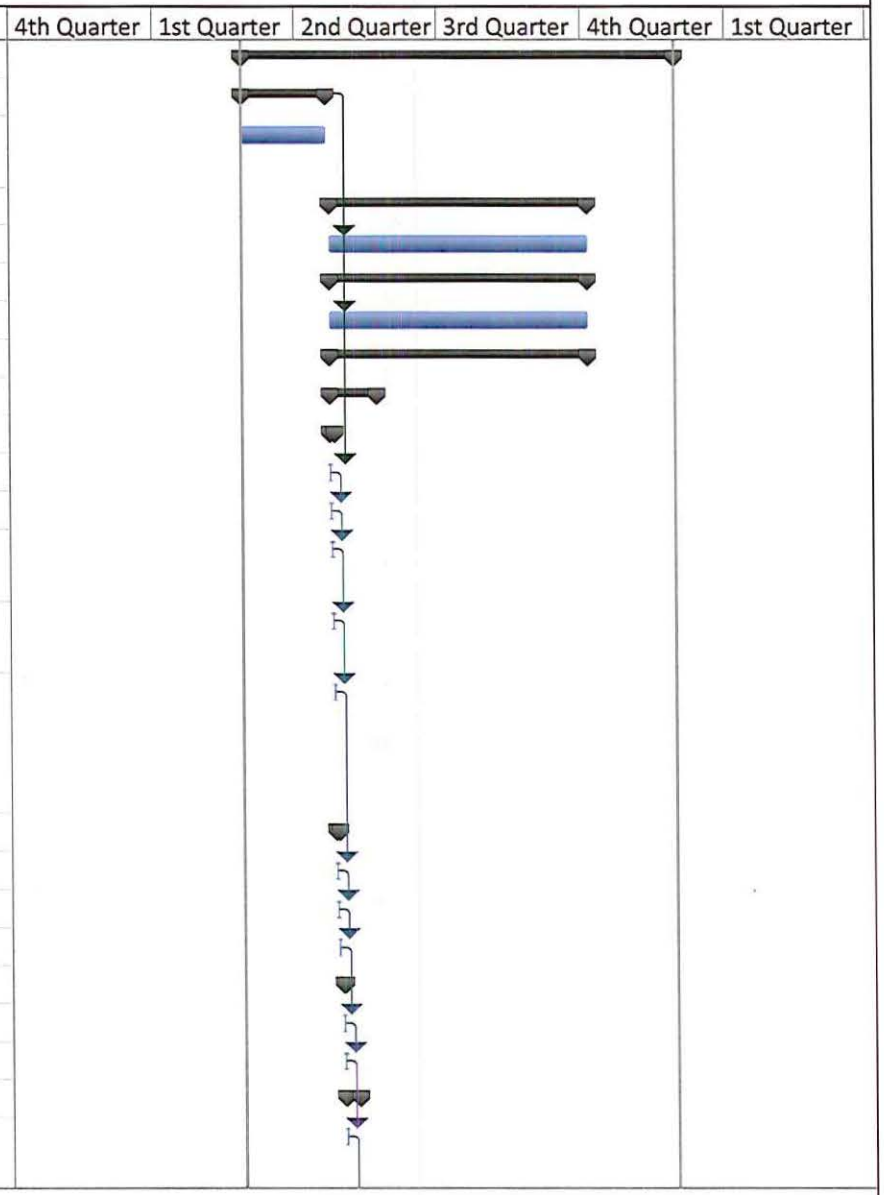
ID	Task Name	Cost
73	**Feedwater heaters**	**$3,370.88**
74	Drain feedwater heaters	$842.72
75	Leave open vents and drains.	$1,685.44
76	Drain and vent the heater drain piping.	$842.72
77	**Deaerator and Deaerator Storage Tank**	**$1,685.44**
78	Drain Deaerator and Storage	$842.72
79	Leave open vents and drains.	$842.72
80	**Turbine(s) and Condenser**	**$3,504.72**
81	Drain hotwell and leave doors open.	$861.84
82	Open main turbine doors.	$880.96
83	Remove lube oil.	$1,761.92
84	**Generator**	**$6,095.76**
85	Verify that generator circuit breaker is open and racked out or that high-voltage disconnect switch on substation side of GSU transformer is locked in the open position.	$446.64
86	Verify that generator field breaker or contactor (if applicable) is open.	$446.64
87	De-energize power supplies to generator excitation system at the source.	$446.64
88	De-energize AC and DC power supplies to generator and exciter space heaters, cooling equipment, controls, lighting, etc. at the source and open circuit breakers or remove fuses at the generator and exciter.	$446.64
89	Drain generator and exciter cooling water systems (if applicable).	$861.84
90	Disconnect and remove hydrogen gas tanks and purge generator hydrogen system.	$1,685.44
91	Disconnect and remove fire protection system gas/foam tanks and purge fire protection system.	$1,761.92
92	**Circulation Water and Turbine Cooling Water System**	**$2,566.40**
93	Drain.	$842.72
94	Open water box doors.	$880.96
95	Drain any circulating water chemical feed tanks.	$842.72
96	**Compressed Air System**	**$842.72**
97	Open vents and drains.	$842.72
98	**Auxiliary Steam System**	**$842.72**
99	Drain water from system.	$842.72
100	**Closed Cooling Water System**	**$1,685.44**
101	Drain water from system.	$842.72
102	Vent piping.	$842.72
103	**Condenser Air Extraction**	**$842.72**
104	Drain water from system.	$842.72
105	**Battery System**	**$4,253.28**
106	De-energize all battery chargers from the source.	$446.64
107	Open all AC and DC circuit breakers and/or fused switches on battery chargers and disconnect cables from batteries.	$446.64
108	Remove and dispose of battery electrolyte.	$1,680.00

Lake Road 4/6 Retirement

ID	Task Name	Cost
109	Remove and dispose of battery cells.	$1,120.00
110	Clean up and dispose of electrolyte on surface areas around batteries.	$560.00
111	**Post Retirement Activities**	**$26,564.00**
112	Post Retirement Activities	$26,564.00

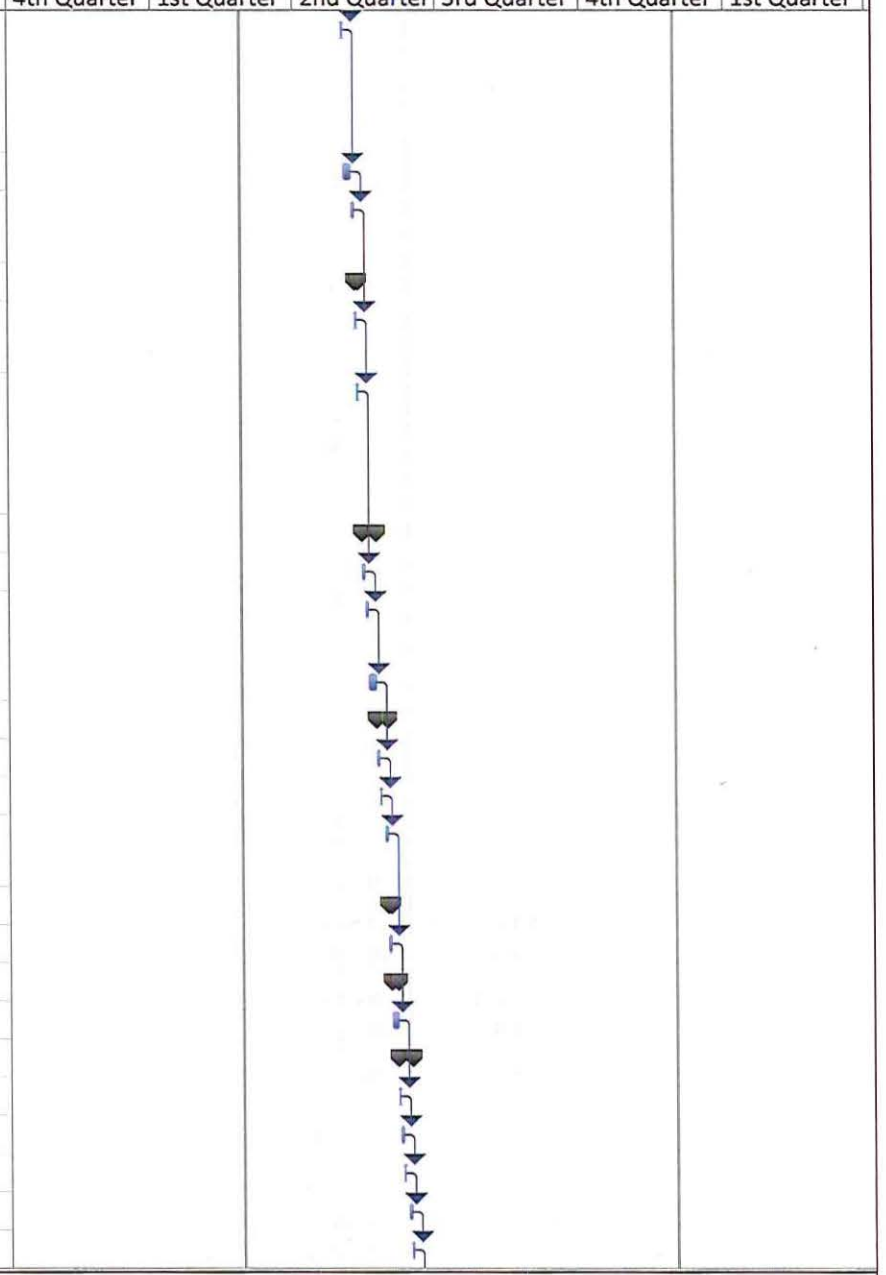
Lake Road 4/6 Retirement

ID	Task Name	Duration
1	**Lake Road 4/6 Retirement**	**199 days**
2	**Pre-Engineering**	**40 days**
3	Permit review and engineering analysis and establish isolation points.	40 days
4	**KCL&L Overhead Costs**	**119 days**
5	KCP&L Retirement Manager	119 days
6	**Equipment Rentals**	**119 days**
7	Vacuum truck	119 days
8	**Retirement**	**119 days**
9	**Electrical**	**22 days**
10	**Medium and Low Voltage Draw out Switchgear**	**3 days**
11	De-energize all buses at the source.	0.5 days
12	Open all circuit breakers.	0.5 days
13	Rack all circuit breakers into the fully withdrawn, disconnected position.	0.5 days
14	Verify that the closing/tripping springs are discharged.	0.5 days
15	De-energize control power and auxiliary power circuits of each circuit breaker at the source and by opening control power circuit breakers or removing fuses in each breaker cubicle.	1 day
16	**Motor Control Centers**	**2 days**
17	De-energize all buses at the source.	0.5 days
18	Open all circuit breakers and disconnect switches.	0.5 days
19	Remove all fuses in control circuits.	1 day
20	**Low-voltage Switchboards and Panelboards**	**1 day**
21	De-energize all buses at the source.	0.5 days
22	Open all circuit breakers and disconnect switches.	0.5 days
23	**Oil-Filled Power Transformers**	**7 days**
24	De-energize all transformer primaries and verify that the secondary is de-energized.	1 day



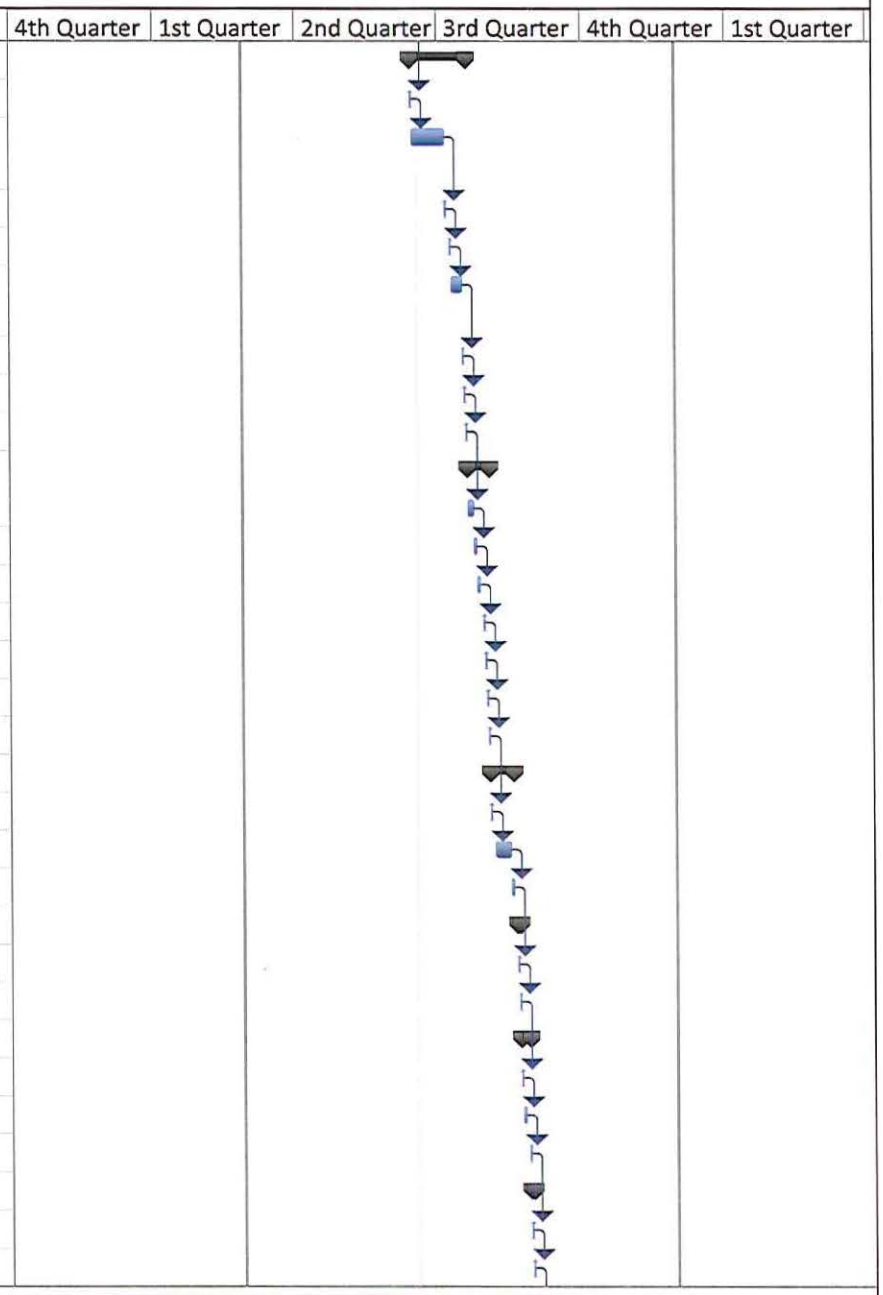
Lake Road 4/6 Retirement

ID	Task Name	Duration
25	De-energize all low-voltage AC or DC power sources for space heaters, cooling equipment, controls, etc. at the source and open circuit breakers or remove fuses at transformer end.	1 day
26	Drain and dispose of oil.	3 days
27	Clean up and dispose of oil on surface areas around the transformers on in containment pits.	2 days
28	**Dry-type Power Transformers**	**2 days**
29	De-energize all transformer primaries and verify that the secondary is de-energized.	1 day
30	De-energize all low-voltage AC or DC power sources for space heaters, cooling equipment, controls, etc. at the source and open circuit breakers or remove fuses at transformer end.	1 day
31	**Motors**	**7 days**
32	De-energize all primary power at the source.	2 days
33	De-energize all low-voltage power sources for space heaters or other auxiliary equipment at the source.	2 days
34	Drain lube oil system (if applicable) and dispose of oil.	3 days
35	**Coal Handling**	**5 days**
36	Empty both coal silos.	2 days
37	Confirm conveyors are run out of fuel.	1 day
38	Perform cleaning of the coal handling equipment to assure that all coal and coal dust has been removed from area.	2 days
39	**Gas System**	**2 days**
40	Isolate lines from source, open and vent.	2 days
41	**Boiler Chemical Feed**	**2 days**
42	Drain all chemical feed tanks.	2 days
43	**Demineralizer**	**7 days**
44	Drain water from system.	1 day
45	Drain acid and caustic tanks.	2 days
46	Open tanks and vessels.	1 day
47	Remove resin.	2 days
48	Drain and Vent the Demineralized Water Storage Tank	1 day



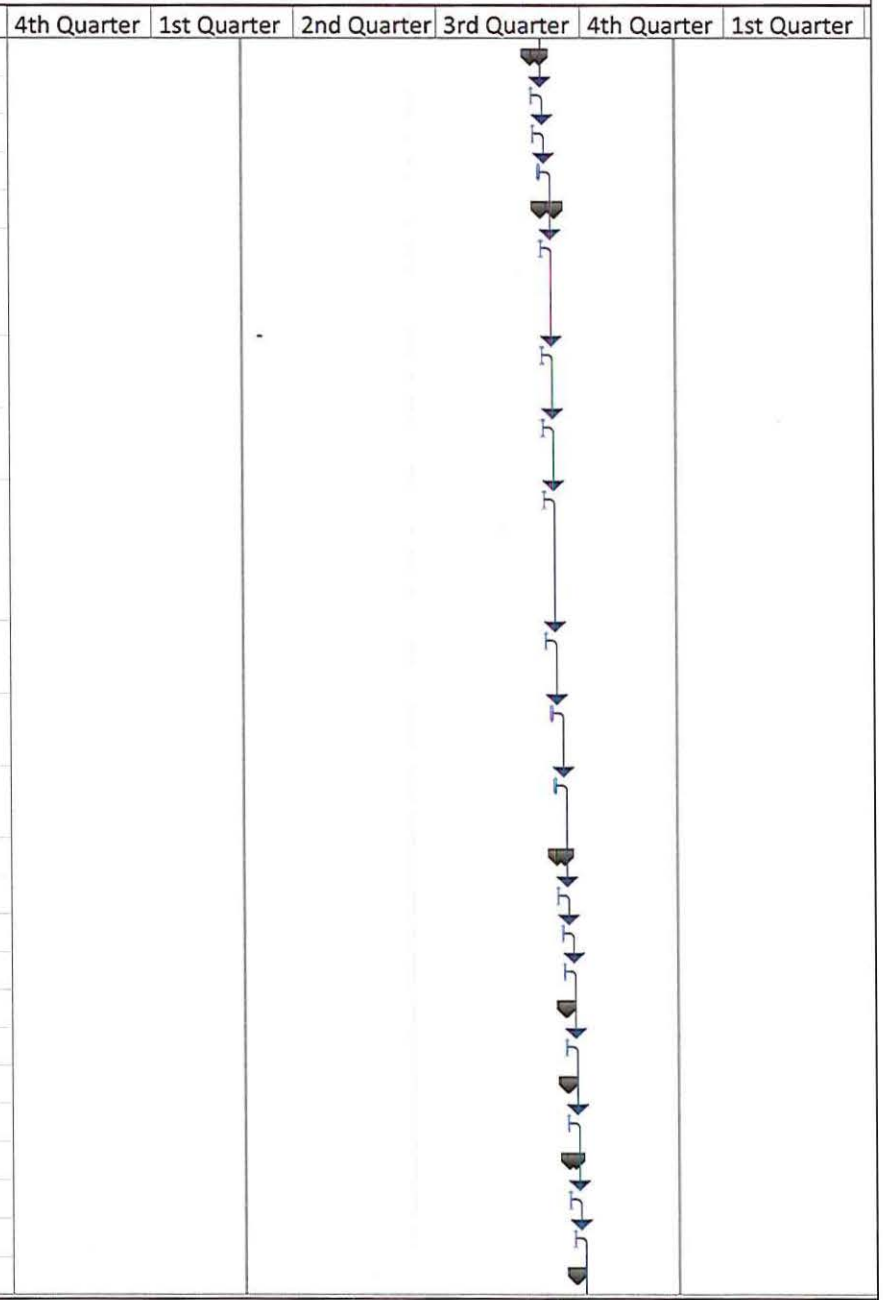
Lake Road 4/6 Retirement

ID	Task Name	Duration
49	**Boiler**	**26 days**
50	Open boiler doors.	1 day
51	Gas side - perform cleaning of the boiler and bottom ash system.	15 days
52	Drain boiler, drum, downcomers and headers.	1 day
53	Open drum doors.	1 day
54	Drain, vent and clean the fly ash, slag and transport systems	5 days
55	Drain and vent the steam coil air heaters and piping	1 day
56	Drain and vent the steam coil air heater drain tanks	1 day
57	Drain and vent boiler sampling system panel and piping	1 day
58	**Precipitator**	**10 days**
59	Multiple cleaning cycles for collection plates.	2 days
60	Clear hoppers of all ash	2 days
61	Disconnect transformers.	2 days
62	Mechanically secure all compartment dampers and hoppe	1 day
63	Disconnect ash transport piping and washdown hoppers ar	1 day
64	Install bird screens across hopper ash outlet and ash line fl	1 day
65	Padlock or tack weld all hopper doors shut. (note: if ash ho	1 day
66	**Ductwork**	**11 days**
67	Open ductwork doors.	1 day
68	Perform extensive cleaning of the ductwork.	8 days
69	Isolate ductwork at tie to common ductwork.	2 days
70	**Condensate and Feedwater Piping**	**2 days**
71	Drain water from the system.	1 day
72	Leave open vents and drains.	1 day
73	**Feedwater heaters**	**4 days**
74	Drain feedwater heaters	1 day
75	Leave open vents and drains.	2 days
76	Drain and vent the heater drain piping.	1 day
77	**Deaerator and Deaerator Storage Tank**	**2 days**
78	Drain Deaerator and Storage	1 day
79	Leave open vents and drains.	1 day



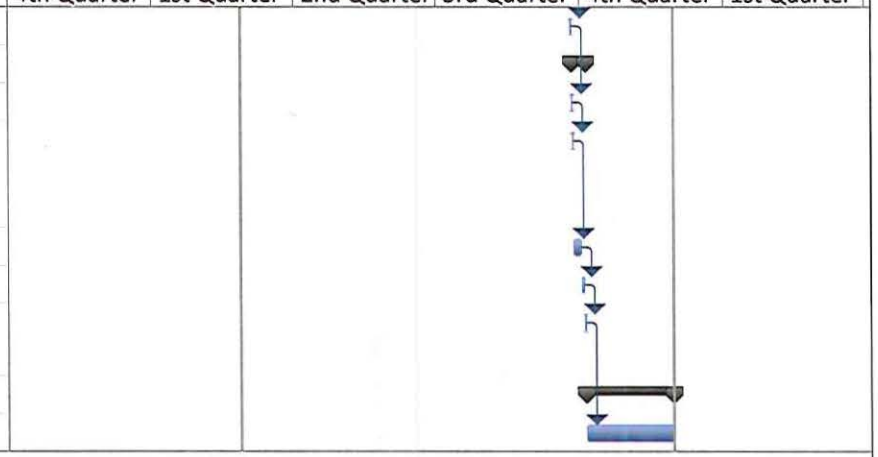
Lake Road 4/6 Retirement

ID	Task Name	Duration
80	**Turbine(s) and Condenser**	**4 days**
81	Drain hotwell and leave doors open.	1 day
82	Open main turbine doors.	1 day
83	Remove lube oil.	2 days
84	**Generator**	**7 days**
85	Verify that generator circuit breaker is open and racked out or that high-voltage disconnect switch on substation side of GSU transformer is locked in the open position.	0.5 days
86	Verify that generator field breaker or contactor (if applicable) is open.	0.5 days
87	De-energize power supplies to generator excitation system at the source.	0.5 days
88	De-energize AC and DC power supplies to generator and exciter space heaters, cooling equipment, controls, lighting, etc. at the source and open circuit breakers or remove fuses at the generator and exciter.	0.5 days
89	Drain generator and exciter cooling water systems (if applicable).	1 day
90	Disconnect and remove hydrogen gas tanks and purge generator hydrogen system.	2 days
91	Disconnect and remove fire protection system gas/foam tanks and purge fire protection system.	2 days
92	**Circulation Water and Turbine Cooling Water System**	**3 days**
93	Drain.	1 day
94	Open water box doors.	1 day
95	Drain any circulating water chemical feed tanks.	1 day
96	**Compressed Air System**	**1 day**
97	Open vents and drains.	1 day
98	**Auxiliary Steam System**	**1 day**
99	Drain water from system.	1 day
100	**Closed Cooling Water System**	**2 days**
101	Drain water from system.	1 day
102	Vent piping.	1 day
103	**Condenser Air Extraction**	**1 day**



Lake Road 4/6 Retirement

ID	Task Name	Duration
104	Drain water from system.	1 day
105	**Battery System**	**7 days**
106	De-energize all battery chargers from the source.	0.5 days
107	Open all AC and DC circuit breakers and/or fused switches on battery chargers and disconnect cables from batteries.	0.5 days
108	Remove and dispose of battery electrolyte.	3 days
109	Remove and dispose of battery cells.	2 days
110	Clean up and dispose of electrolyte on surface areas around batteries.	1 day
111	**Post Retirement Activities**	**40 days**
112	Post Retirement Activities	40 days



Lake Road 4-6 Dismantlement

Owner Costs				
Pre-Dismantlement Activities			$892,760	
Overhead During Dismantlement			$733,959	
Post-Dismantlement Activities			$49,140	
Owner Costs Total*				$1,675,859
Demolition General Contractor (DGC) Costs				
Site Management			$400,086	
Equipment Rental			$681,238	
Consummables			$679,657	
Scrap Crew(s)			$674,401	
Dismantlement			$1,500,720	
Contractor Direct Cost*		$3,936,101		
Contractor Allowances				
DGC Insurance	2.00%		$78,722	
Contingency/Profit	15.00%		$602,224	
Performance Bond	2.00%		$92,340.94	
Contractor Costs Total:				$4,709,388
Total:				$6,385,247
Owner Internal Costs:	5.00%			$319,262
Owner Contingency:	25.00%			$1,676,127
Lake Road 4-6 Dismantlement Opinion of Probable Cost:				$8,380,637

*Owner Costs Total + Contractor Direct Costs = Manpower Loaded Schedule Total w/o Contractor Allowances
= $5,611,960

TURBINE GENERATOR 1

Lake Road T/G 1 Retirement

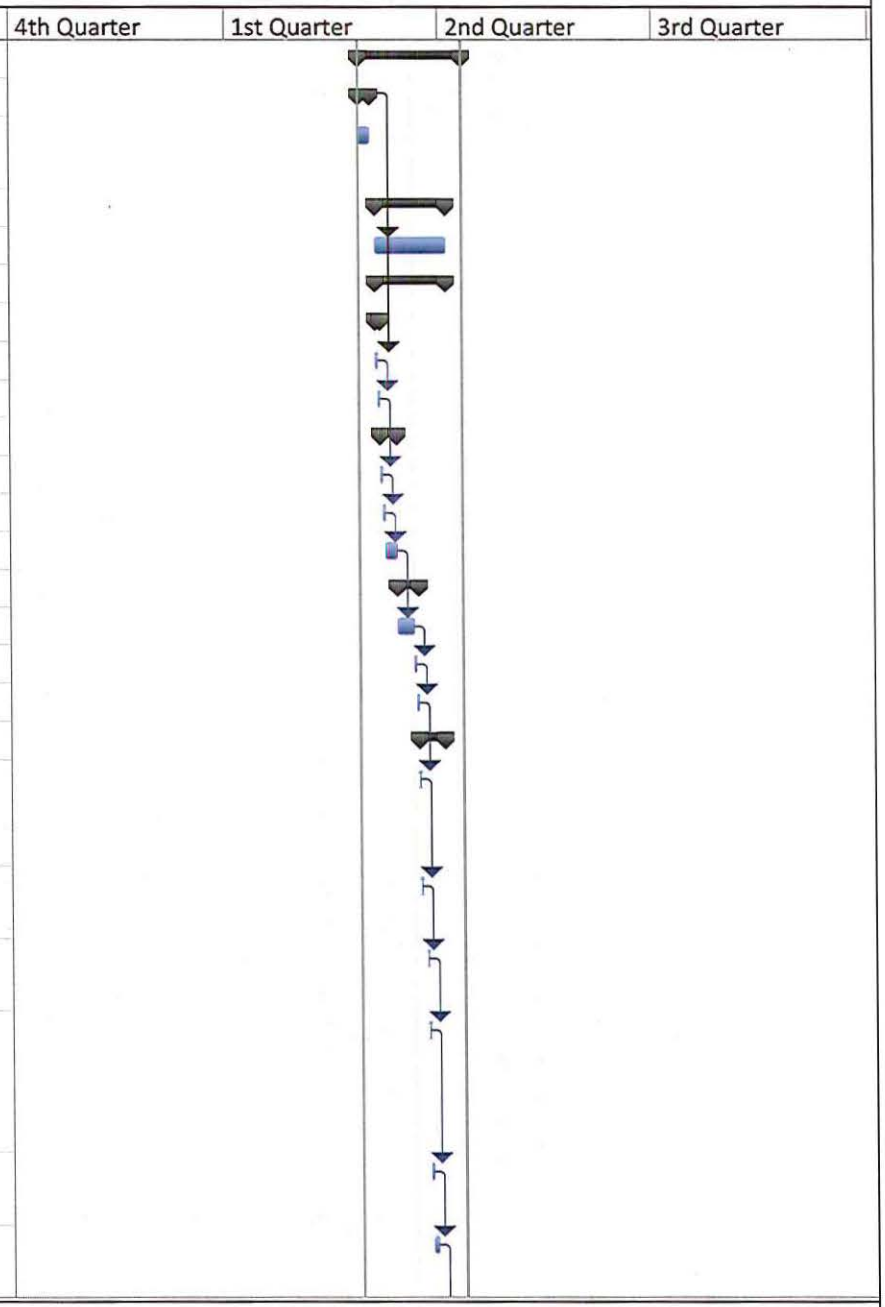
Owner Costs			
Pre-Retirement Activities		$7,638	
Retirement Activities		$26,641	
Post-Retirement Activities		$3,320	
Owner Direct Total			$37,599
Owner Internal Costs	5.00%		$1,880
Owner Contingency:	25.00%		$9,870
Lake Road T/G 1 Retirement Opinion of Probable Cost:			$49,349

Lake Road Turbine Generator 1 Retirement

ID	Task Name	Cost
1	**Lake Road Turbine Generator 1 Retirement**	**$37,599.30**
2	**Pre-Engineering**	**$7,638.00**
3	Engineering analysis and establish isolation points.	$7,638.00
4	**KCL&L Overhead Costs**	**$13,631.20**
5	KCP&L Retirement Manager	$13,631.20
6	**Retirement**	**$13,009.60**
7	**Feedwater Piping**	**$1,685.44**
8	Drain water from the system and isolate from system.	$842.72
9	Leave open vents and drains.	$842.72
10	**Turbine(s) and Condenser**	**$4,385.68**
11	Drain hotwell and leave doors open.	$861.84
12	Open main turbine doors.	$880.96
13	Remove lube oil.	$2,642.88
14	**Circulating Water System**	**$0.00**
15	Drain and Clean the Cooling Tower	$0.00
16	Drain and Vent the Circulating Water Pipe	$0.00
17	Drain, Clean and Vent the Cooling Tower Chemical Systems	$0.00
18	**Generator**	**$6,095.76**
19	Verify that generator circuit breaker is open and racked out or that high-voltage disconnect switch on substation side of GSU transformer is locked in the open position.	$446.64
20	Verify that generator field breaker or contactor (if applicable) is open.	$446.64
21	De-energize power supplies to generator excitation system at the source.	$446.64
22	De-energize AC and DC power supplies to generator and exciter space heaters, cooling equipment, controls, lighting, etc. at the source and open circuit breakers or remove fuses at the generator and exciter.	$446.64
23	Drain generator and exciter cooling water systems (if applicable).	$861.84
24	Disconnect and remove hydrogen gas tanks and purge generator hydrogen system.	$1,685.44
25	Disconnect and remove fire protection system gas/foam tanks and purge fire protection system.	$1,761.92
26	**Condenser Air Extraction**	**$842.72**
27	Drain water from system.	$842.72
28	**Post Retirement Activities**	**$3,320.50**
29	Post Retirement Activities	$3,320.50

Lake Road Turbine Generator 1 Retirement

ID	Task Name	Duration
1	**Lake Road Turbine Generator 1 Retirement**	**32 days**
2	**Pre-Engineering**	**5 days**
3	Engineering analysis and establish isolation points.	5 days
4	**KCL&L Overhead Costs**	**22 days**
5	KCP&L Retirement Manager	22 days
6	**Retirement**	**22 days**
7	**Feedwater Piping**	**2 days**
8	Drain water from the system and isolate from system.	1 day
9	Leave open vents and drains.	1 day
10	**Turbine(s) and Condenser**	**5 days**
11	Drain hotwell and leave doors open.	1 day
12	Open main turbine doors.	1 day
13	Remove lube oil.	3 days
14	**Circulating Water System**	**7 days**
15	Drain and Clean the Cooling Tower	5 days
16	Drain and Vent the Circulating Water Pipe	1 day
17	Drain, Clean and Vent the Cooling Tower Chemical Systems	1 day
18	**Generator**	**7 days**
19	Verify that generator circuit breaker is open and racked out or that high-voltage disconnect switch on substation side of GSU transformer is locked in the open position.	0.5 days
20	Verify that generator field breaker or contactor (if applicable) is open.	0.5 days
21	De-energize power supplies to generator excitation system at the source.	0.5 days
22	De-energize AC and DC power supplies to generator and exciter space heaters, cooling equipment, controls, lighting, etc. at the source and open circuit breakers or remove fuses at the generator and exciter.	0.5 days
23	Drain generator and exciter cooling water systems (if applicable).	1 day
24	Disconnect and remove hydrogen gas tanks and purge generator hydrogen system.	2 days



Lake Road Turbine Generator 1 Retirement

ID	Task Name	Duration	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter
25	Disconnect and remove fire protection system gas/foam tanks and purge fire protection system.	2 days				
26	**Condenser Air Extraction**	**1 day**				
27	Drain water from system.	1 day				
28	**Post Retirement Activities**	**5 days**				
29	Post Retirement Activities	5 days				

Lake Road T/G 1 Dismantlement

Owner Costs				
Pre-Dismantlement Activities			$172,583	
Overhead During Dismantlement			$92,674	
Post-Dismantlement Activities			$8,190	
Owner Costs Total*				$273,447
Demolition General Contractor (DGC) Costs				
Site Management			$89,966	
Equipment Rental			$329,332	
Consummables			$328,568	
Scrap Crew(s)			$326,027	
Dismantlement			$210,518	
Contractor Direct Cost*		$1,284,411		
Contractor Allowances				
DGC Insurance	2.00%		$25,688	
Contingency/Profit	15.00%		$196,515	
Performance Bond	2.00%		$30,132.28	
Contractor Costs Total:				$1,536,746
Total:				$1,810,193
Owner Internal Costs:	5.00%			$90,510
Owner Contingency:	25.00%			$475,176
Lake Road T/G 1 Dismantlement Opinion of Probable Cost:				$2,375,879

*Owner Costs Total + Contractor Direct Costs = Manpower Loaded Schedule Total w/o Contractor Allowances
= $1,557,858

Lake Road Turbine Generator 1 Dismantlement

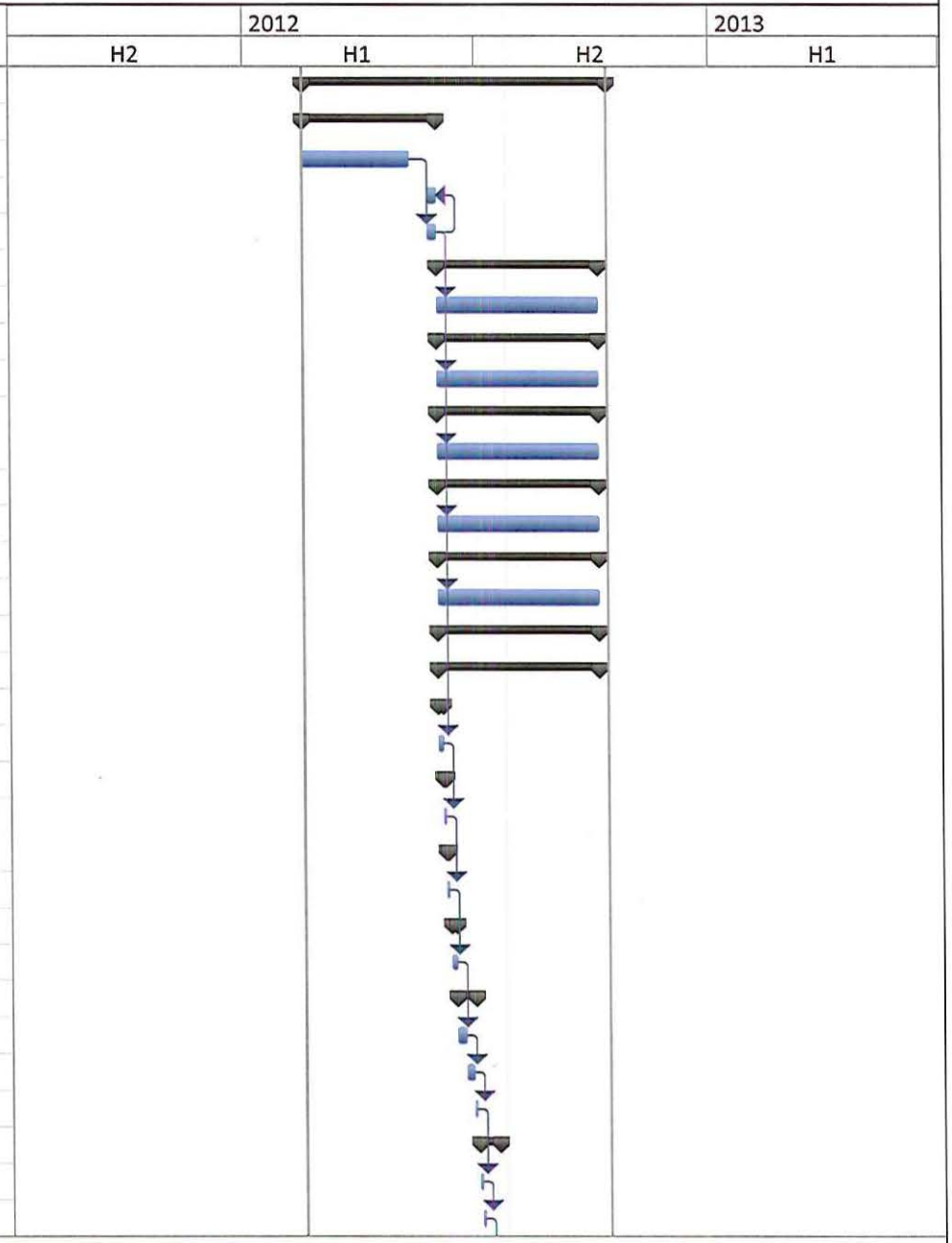
ID	Task Name	Cost
1	**Lake Road T/G 1 Removal**	**$1,557,861.80**
2	**Pre-Dismantlement Activities**	**$172,583.80**
3	Hire Demolition General Contractor	$167,184.00
4	KCP&L Prepares Unit for Dismantlement	$5,399.80
5	Demolition Contractor Mobilizes on Site	$0.00
6	**KCP&L Overhead during Dismantlement**	**$92,674.40**
7	KCP&L Engineer	$92,674.40
8	**Demoliton Contractor Overhead during Dismantlement**	**$89,966.24**
9	Demolition Contractor Superintendent	$89,966.24
10	**Demolition Contractor Equipment Rental Costs**	**$329,332.64**
11	Equipment Rental	$329,332.64
12	**Demolition Contractor Consummables**	**$328,568.24**
13	Consummables	$328,568.24
14	**Scrap Crew(s)**	**$326,027.52**
15	Crew to Handle Scrap Material(s)	$326,027.52
16	**Dismantlement Directs**	**$210,518.96**
17	**Phase 1 Demolition**	**$210,518.96**
18	**Critical Piping**	**$3,582.72**
19	Remove Main Steam Piping to the Turbine	$3,582.72
20	**Circulating Water (plant side)**	**$3,582.72**
21	Waterboxes	$3,582.72
22	**Condenser Air Extraction System**	**$3,582.72**
23	Vacuum Pumps	$3,582.72
24	**Turbine Seals and Drains**	**$7,165.44**
25	Piping	$7,165.44
26	**Turbine Lube Oil System**	**$18,443.76**
27	Turbine Lube Oil Tank	$7,695.60
28	Turbine Lube Oil Pumps	$7,165.44
29	Turbine Oil Mist Eliminator	$3,582.72
30	**Generator Auxiliary Systems**	**$21,496.32**
31	Hydrogen Cooler Skid and Piping	$3,582.72
32	Stator Cooling Water Skid and Piping	$3,582.72
33	Isophase Bus Duct	$7,165.44
34	Exciter Heat Exchanger	$3,582.72
35	EHC Coolers	$3,582.72
36	**Remove Turbine**	**$126,343.68**
37	Remove Turbine	$26,321.60
38	Remove Generator	$39,482.40
39	Remove Condenser Neck Heat Exchanger	$7,896.48
40	Remove Condenser	$13,160.80
41	Remove Misc. Auxiliary Turbine Equipment	$39,482.40
42	**Cooling Tower 1**	**$26,321.60**
43	Remove Cooling Tower 1	$26,321.60
44	**Project Close-Out**	**$8,190.00**

Lake Road Turbine Generator 1 Dismantlement

ID	Task Name	Cost
45	Project Close-Out Activities	$8,190.00

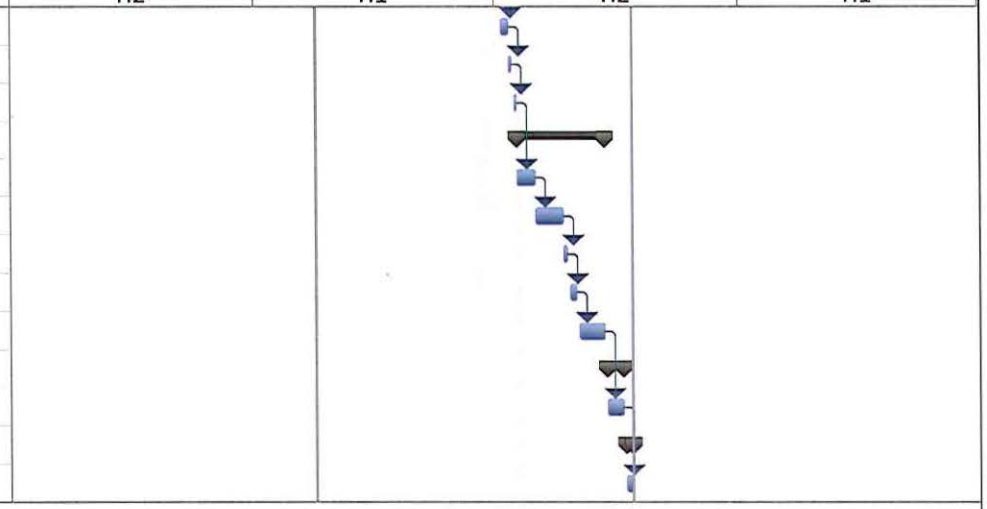
Lake Road Turbine Generator 1 Dismantlement

ID	Task Name	Duration
1	**Lake Road T/G 1 Removal**	**171 days**
2	**Pre-Dismantlement Activities**	**75 days**
3	Hire Demolition General Contractor	3 mons
4	KCP&L Prepares Unit for Dismantlement	1 wk
5	Demolition Contractor Mobilizes on Site	5 days
6	**KCP&L Overhead during Dismantlement**	**91 days**
7	KCP&L Engineer	91 days
8	**Demoliton Contractor Overhead during Dismantlemer**	**91 days**
9	Demolition Contractor Superintendent	91 days
10	**Demolition Contractor Equipment Rental Costs**	**91 days**
11	Equipment Rental	91 days
12	**Demolition Contractor Consummables**	**91 days**
13	Consummables	91 days
14	**Scrap Crew(s)**	**91 days**
15	Crew to Handle Scrap Material(s)	91 days
16	**Dismantlement Directs**	**91 days**
17	**Phase 1 Demolition**	**91 days**
18	**Critical Piping**	**2 days**
19	Remove Main Steam Piping to the Turbine	2 days
20	**Circulating Water (plant side)**	**2 days**
21	Waterboxes	2 days
22	**Condenser Air Extraction System**	**2 days**
23	Vacuum Pumps	2 days
24	**Turbine Seals and Drains**	**4 days**
25	Piping	4 days
26	**Turbine Lube Oil System**	**11 days**
27	Turbine Lube Oil Tank	5 days
28	Turbine Lube Oil Pumps	4 days
29	Turbine Oil Mist Eliminator	2 days
30	**Generator Auxiliary Systems**	**12 days**
31	Hydrogen Cooler Skid and Piping	2 days
32	Stator Cooling Water Skid and Piping	2 days



Lake Road Turbine Generator 1 Dismantlement

ID	Task Name	Duration
33	Isophase Bus Duct	4 days
34	Exciter Heat Exchanger	2 days
35	EHC Coolers	2 days
36	**Remove Turbine**	**48 days**
37	Remove Turbine	10 days
38	Remove Generator	15 days
39	Remove Condenser Neck Heat Exchanger	3 days
40	Remove Condenser	5 days
41	Remove Misc. Auxiliary Turbine Equipment	15 days
42	**Cooling Tower 1**	**10 days**
43	Remove Cooling Tower 1	10 days
44	**Project Close-Out**	**5 days**
45	Project Close-Out Activities	5 days



TURBINE GENERATOR 2

Lake Road T/G 2 Retirement

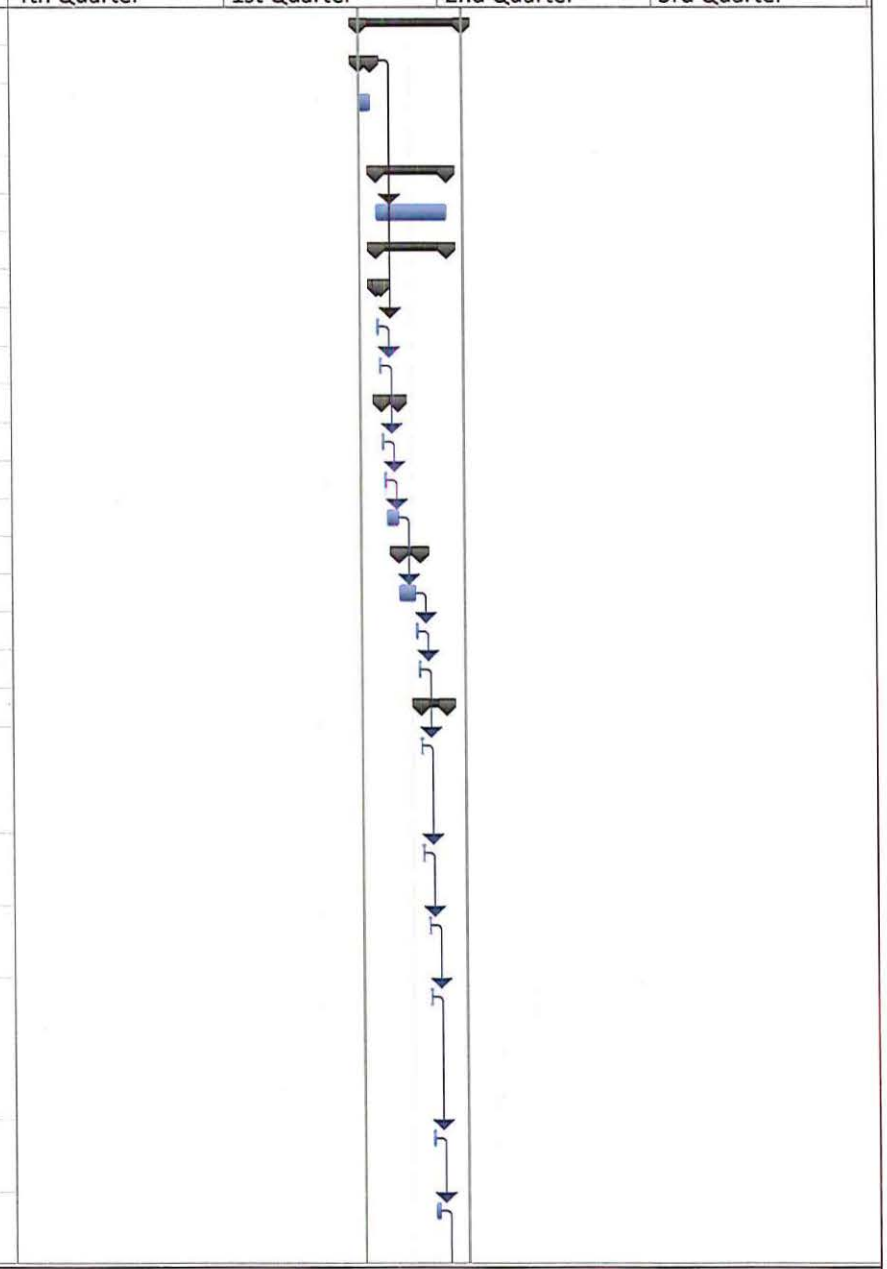
Owner Costs			
Pre-Retirement Activities		$7,638	
Retirement Activities		$26,641	
Post-Retirement Activities		$3,320	
Owner Direct Total			$37,599
Owner Internal Costs	5.00%		$1,880
Owner Contingency:	25.00%		$9,870
Lake Road T/G 2 Retirement Opinion of Probable Cost:			$49,349

Lake Road Turbine Generator 2 Retirement

ID	Task Name	Cost
1	**Lake Road Turbine Generator 2 Retirement**	**$37,599.30**
2	**Pre-Engineering**	**$7,638.00**
3	Engineering analysis and establish isolation points.	$7,638.00
4	**KCL&L Overhead Costs**	**$13,631.20**
5	KCP&L Retirement Manager	$13,631.20
6	**Retirement**	**$13,009.60**
7	**Feedwater Piping**	**$1,685.44**
8	Drain water from the system and isolate from system.	$842.72
9	Leave open vents and drains.	$842.72
10	**Turbine(s) and Condenser**	**$4,385.68**
11	Drain hotwell and leave doors open.	$861.84
12	Open main turbine doors.	$880.96
13	Remove lube oil.	$2,642.88
14	**Circulating Water System**	**$0.00**
15	Drain and Clean the Cooling Tower	$0.00
16	Drain and Vent the Circulating Water Pipe	$0.00
17	Drain, Clean and Vent the Cooling Tower Chemical Systems	$0.00
18	**Generator**	**$6,095.76**
19	Verify that generator circuit breaker is open and racked out or that high-voltage disconnect switch on substation side of GSU transformer is locked in the open position.	$446.64
20	Verify that generator field breaker or contactor (if applicable) is open.	$446.64
21	De-energize power supplies to generator excitation system at the source.	$446.64
22	De-energize AC and DC power supplies to generator and exciter space heaters, cooling equipment, controls, lighting, etc. at the source and open circuit breakers or remove fuses at the generator and exciter.	$446.64
23	Drain generator and exciter cooling water systems (if applicable).	$861.84
24	Disconnect and remove hydrogen gas tanks and purge generator hydrogen system.	$1,685.44
25	Disconnect and remove fire protection system gas/foam tanks and purge fire protection system.	$1,761.92
26	**Condenser Air Extraction**	**$842.72**
27	Drain water from system.	$842.72
28	**Post Retirement Activities**	**$3,320.50**
29	Post Retirement Activities	$3,320.50

Lake Road Turbine Generator 2 Retirement

ID	Task Name	Duration
1	**Lake Road Turbine Generator 2 Retirement**	**32 days**
2	**Pre-Engineering**	**5 days**
3	Engineering analysis and establish isolation points.	5 days
4	**KCL&L Overhead Costs**	**22 days**
5	KCP&L Retirement Manager	22 days
6	**Retirement**	**22 days**
7	**Feedwater Piping**	**2 days**
8	Drain water from the system and isolate from system.	1 day
9	Leave open vents and drains.	1 day
10	**Turbine(s) and Condenser**	**5 days**
11	Drain hotwell and leave doors open.	1 day
12	Open main turbine doors.	1 day
13	Remove lube oil.	3 days
14	**Circulating Water System**	**7 days**
15	Drain and Clean the Cooling Tower	5 days
16	Drain and Vent the Circulating Water Pipe	1 day
17	Drain, Clean and Vent the Cooling Tower Chemical Systems	1 day
18	**Generator**	**7 days**
19	Verify that generator circuit breaker is open and racked out or that high-voltage disconnect switch on substation side of GSU transformer is locked in the open position.	0.5 days
20	Verify that generator field breaker or contactor (if applicable) is open.	0.5 days
21	De-energize power supplies to generator excitation system at the source.	0.5 days
22	De-energize AC and DC power supplies to generator and exciter space heaters, cooling equipment, controls, lighting, etc. at the source and open circuit breakers or remove fuses at the generator and exciter.	0.5 days
23	Drain generator and exciter cooling water systems (if applicable).	1 day
24	Disconnect and remove hydrogen gas tanks and purge generator hydrogen system.	2 days



Lake Road Turbine Generator 2 Retirement

ID	Task Name	Duration	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter
25	Disconnect and remove fire protection system gas/foam tanks and purge fire protection system.	2 days				
26	**Condenser Air Extraction**	**1 day**				
27	Drain water from system.	1 day				
28	**Post Retirement Activities**	**5 days**				
29	Post Retirement Activities	5 days				

Lake Road T/G 2 Dismantlement

Owner Costs				
Pre-Dismantlement Activities			$172,583	
Overhead During Dismantlement			$102,858	
Post-Dismantlement Activities			$8,190	
Owner Costs Total*				$283,631
Demolition General Contractor (DGC) Costs				
Site Management			$99,852	
Equipment Rental			$365,523	
Consummables			$364,674	
Scrap Crew(s)			$361,854	
Dismantlement			$236,840	
Contractor Direct Cost*		$1,428,743		
Contractor Allowances				
DGC Insurance	2.00%		$28,575	
Contingency/Profit	15.00%		$218,598	
Performance Bond	2.00%		$33,518.31	
Contractor Costs Total:				$1,709,434
Total:				$1,993,065
Owner Internal Costs:	5.00%			$99,653
Owner Contingency:	25.00%			$523,180
Lake Road T/G 2 Dismantlement Opinion of Probable Cost:				$2,615,898

*Owner Costs Total + Contractor Direct Costs = Manpower Loaded Schedule Total w/o Contractor Allowances
= $1,712,374

Lake Road Turbine Generator 2 Dismantlement

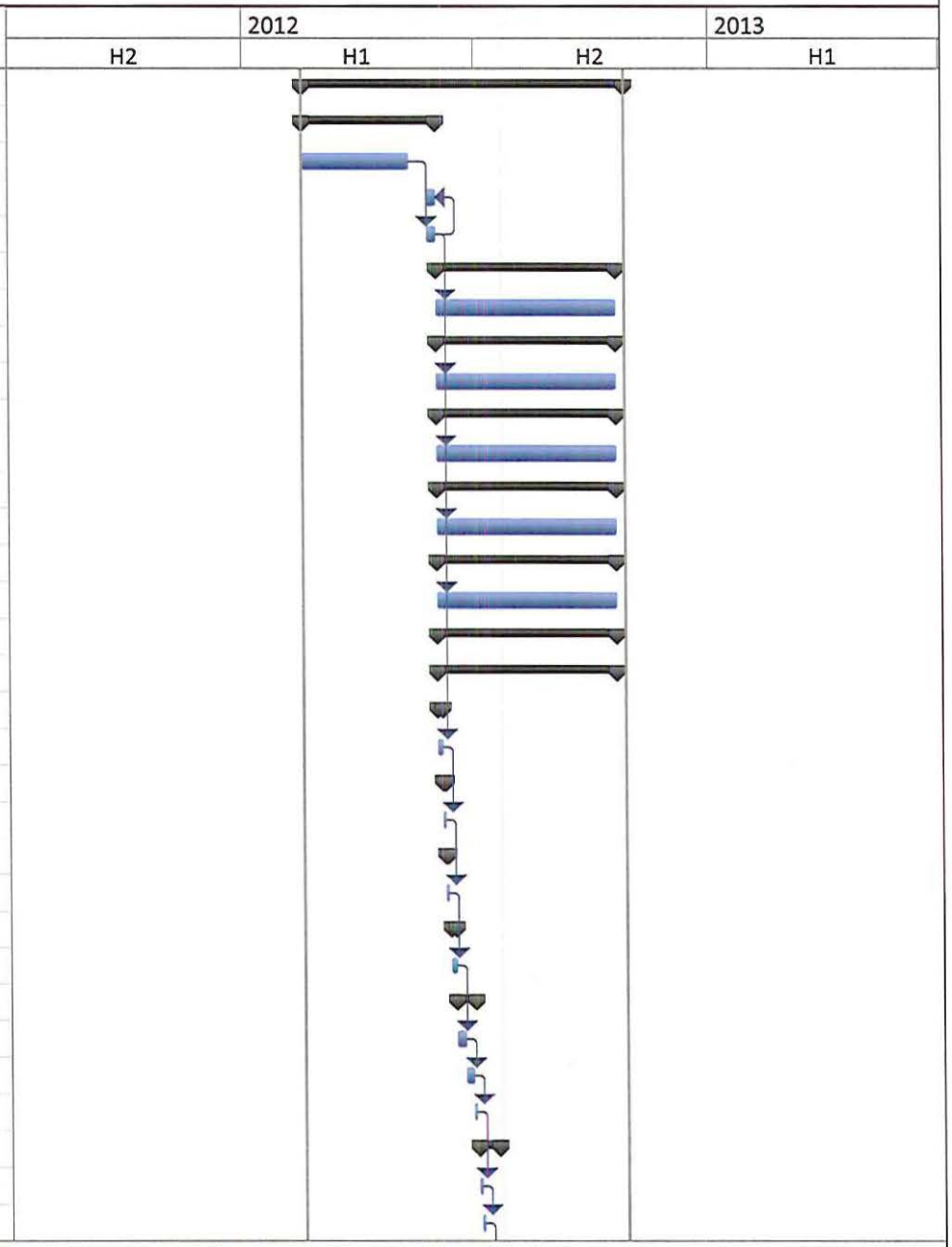
ID	Task Name	Cost
1	**Lake Road T/G 2 Removal**	**$1,712,377.80**
2	**Pre-Dismantlement Activities**	**$172,583.80**
3	Hire Demolition General Contractor	$167,184.00
4	KCP&L Prepares Unit for Dismantlement	$5,399.80
5	Demolition Contractor Mobilizes on Site	$0.00
6	**KCP&L Overhead during Dismantlement**	**$102,858.40**
7	KCP&L Engineer	$102,858.40
8	**Demoliton Contractor Overhead during Dismantlement**	**$99,852.64**
9	Demolition Contractor Superintendent	$99,852.64
10	**Demolition Contractor Equipment Rental Costs**	**$365,523.04**
11	Equipment Rental	$365,523.04
12	**Scrap Crew(s)**	**$361,854.72**
13	Crew to Handle Scrap Material(s)	$361,854.72
14	**Demolition Contractor Consummables**	**$364,674.64**
15	Consummables	$364,674.64
16	**Dismantlement Directs**	**$236,840.56**
17	**Phase 1 Demolition**	**$236,840.56**
18	**Critical Piping**	**$3,582.72**
19	Remove Main Steam Piping to the Turbine	$3,582.72
20	**Circulating Water (plant side)**	**$3,582.72**
21	Waterboxes	$3,582.72
22	**Condenser Air Extraction System**	**$3,582.72**
23	Vacuum Pumps	$3,582.72
24	**Turbine Seals and Drains**	**$7,165.44**
25	Piping	$7,165.44
26	**Turbine Lube Oil System**	**$18,443.76**
27	Turbine Lube Oil Tank	$7,695.60
28	Turbine Lube Oil Pumps	$7,165.44
29	Turbine Oil Mist Eliminator	$3,582.72
30	**Generator Auxiliary Systems**	**$21,496.32**
31	Hydrogen Cooler Skid and Piping	$3,582.72
32	Stator Cooling Water Skid and Piping	$3,582.72
33	Isophase Bus Duct	$7,165.44
34	Exciter Heat Exchanger	$3,582.72
35	EHC Coolers	$3,582.72
36	**Remove Turbine**	**$147,400.96**
37	Remove Turbine	$34,218.08
38	Remove Generator	$44,746.72
39	Remove Condenser Neck Heat Exchanger	$7,896.48
40	Remove Condenser	$15,792.96
41	Remove Misc. Auxiliary Turbine Equipment	$44,746.72
42	**Cooling Tower 2**	**$31,585.92**
43	Remove Cooling Tower 2	$31,585.92
44	**Project Close-Out**	**$8,190.00**

Lake Road Turbine Generator 2 Dismantlement

ID	Task Name	Cost
45	Project Close-Out Activities	$8,190.00

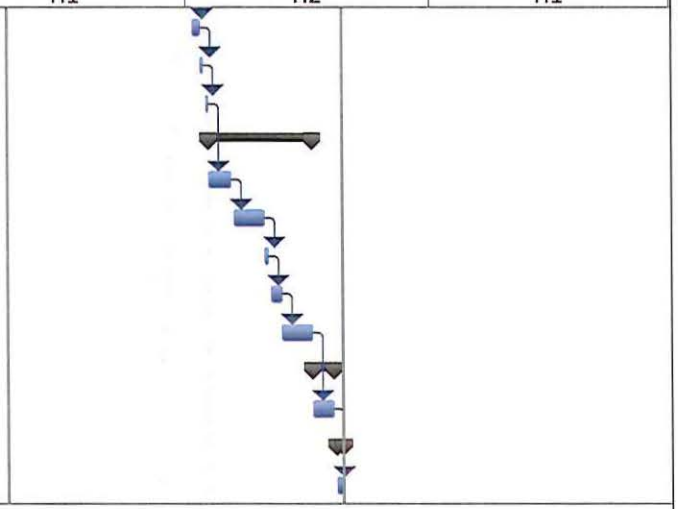
Lake Road Turbine Generator 2 Dismantlement

ID	Task Name	Duration
1	**Lake Road T/G 2 Removal**	**181 days**
2	**Pre-Dismantlement Activities**	**75 days**
3	Hire Demolition General Contractor	3 mons
4	KCP&L Prepares Unit for Dismantlement	1 wk
5	Demolition Contractor Mobilizes on Site	5 days
6	**KCP&L Overhead during Dismantlement**	**101 days**
7	KCP&L Engineer	101 days
8	**Demoliton Contractor Overhead during Dismantlemer**	**101 days**
9	Demolition Contractor Superintendent	101 days
10	**Demolition Contractor Equipment Rental Costs**	**101 days**
11	Equipment Rental	101 days
12	**Scrap Crew(s)**	**101 days**
13	Crew to Handle Scrap Material(s)	101 days
14	**Demolition Contractor Consummables**	**101 days**
15	Consummables	101 days
16	**Dismantlement Directs**	**101 days**
17	**Phase 1 Demolition**	**101 days**
18	**Critical Piping**	**2 days**
19	Remove Main Steam Piping to the Turbine	2 days
20	**Circulating Water (plant side)**	**2 days**
21	Waterboxes	2 days
22	**Condenser Air Extraction System**	**2 days**
23	Vacuum Pumps	2 days
24	**Turbine Seals and Drains**	**4 days**
25	Piping	4 days
26	**Turbine Lube Oil System**	**11 days**
27	Turbine Lube Oil Tank	5 days
28	Turbine Lube Oil Pumps	4 days
29	Turbine Oil Mist Eliminator	2 days
30	**Generator Auxiliary Systems**	**12 days**
31	Hydrogen Cooler Skid and Piping	2 days
32	Stator Cooling Water Skid and Piping	2 days



Lake Road Turbine Generator 2 Dismantlement

ID	Task Name	Duration
33	Isophase Bus Duct	4 days
34	Exciter Heat Exchanger	2 days
35	EHC Coolers	2 days
36	**Remove Turbine**	**56 days**
37	Remove Turbine	13 days
38	Remove Generator	17 days
39	Remove Condenser Neck Heat Exchanger	3 days
40	Remove Condenser	6 days
41	Remove Misc. Auxiliary Turbine Equipment	17 days
42	**Cooling Tower 2**	**12 days**
43	Remove Cooling Tower 2	12 days
44	**Project Close-Out**	**5 days**
45	Project Close-Out Activities	5 days



TURBINE GENERATOR 3

Lake Road T/G 3 Retirement

Owner Costs			
Pre-Retirement Activities		$7,638	
Retirement Activities		$22,304	
Post-Retirement Activities		$3,320	
Owner Direct Total			$33,262
Owner Internal Costs	5.00%		$1,663
Owner Contingency:	25.00%		$8,731

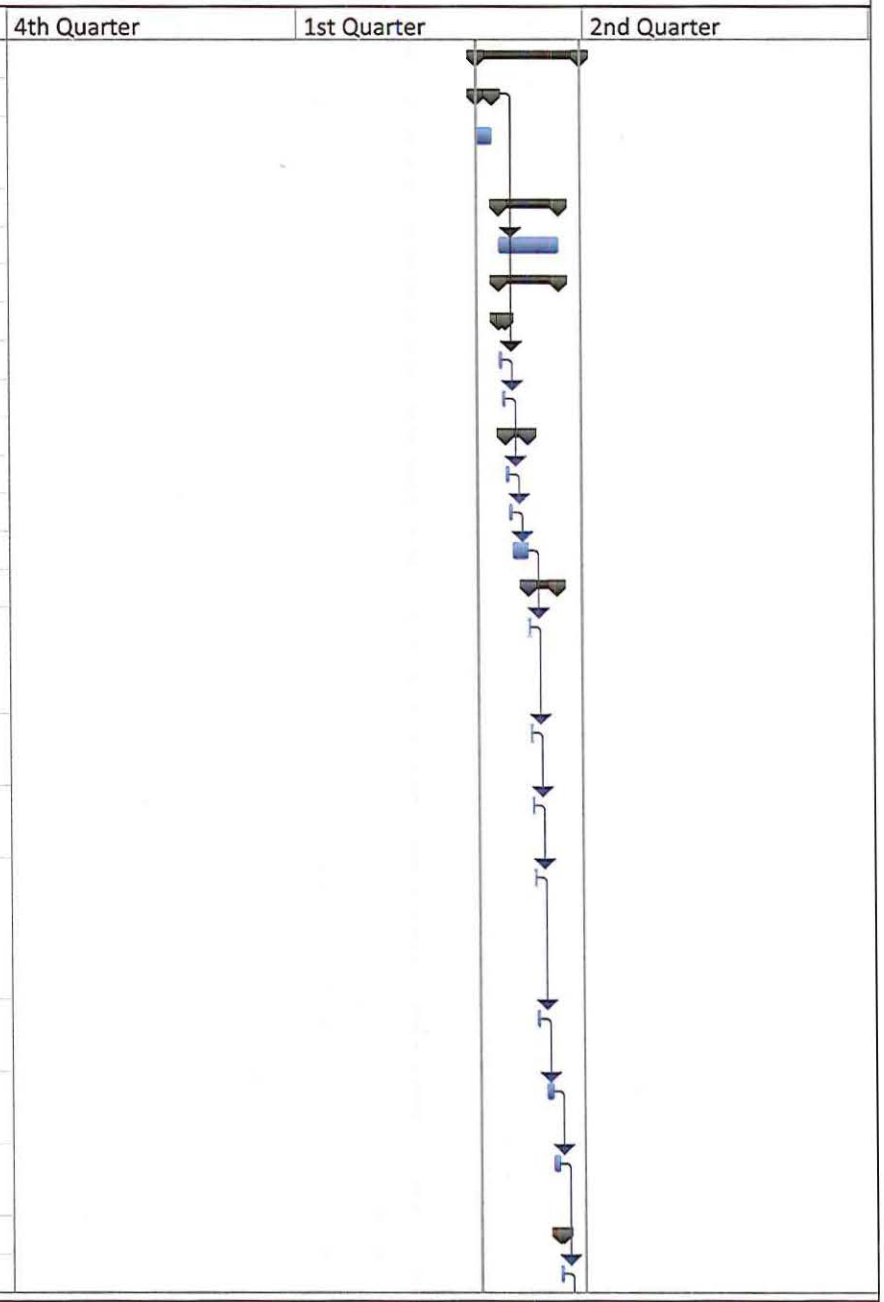
Lake Road T/G 3 Retirement Opinion of Probable Cost: $43,656

Lake Road Turbine Generator 3 Retirement

ID	Task Name	Cost
1	**Lake RoadTurbine Generator 3 Retirement**	**$33,262.10**
2	**Pre-Engineering**	**$7,638.00**
3	Engineering analysis and establish isolation points.	$7,638.00
4	**KCL&L Overhead Costs**	**$9,294.00**
5	KCP&L Retirement Manager	$9,294.00
6	**Retirement**	**$13,009.60**
7	**Feedwater Piping**	**$1,685.44**
8	Drain water from the system and isolate from system.	$842.72
9	Leave open vents and drains.	$842.72
10	**Turbine(s) and Condenser**	**$4,385.68**
11	Drain hotwell and leave doors open.	$861.84
12	Open main turbine doors.	$880.96
13	Remove lube oil.	$2,642.88
14	**Generator**	**$6,095.76**
15	Verify that generator circuit breaker is open and racked out or that high-voltage disconnect switch on substation side of GSU transformer is locked in the open position.	$446.64
16	Verify that generator field breaker or contactor (if applicable) is open.	$446.64
17	De-energize power supplies to generator excitation system at the source.	$446.64
18	De-energize AC and DC power supplies to generator and exciter space heaters, cooling equipment, controls, lighting, etc. at the source and open circuit breakers or remove fuses at the generator and exciter.	$446.64
19	Drain generator and exciter cooling water systems (if applicable).	$861.84
20	Disconnect and remove hydrogen gas tanks and purge generator hydrogen system.	$1,685.44
21	Disconnect and remove fire protection system gas/foam tanks and purge fire protection system.	$1,761.92
22	**Condenser Air Extraction**	**$842.72**
23	Drain water from system.	$842.72
24	**Post Retirement Activities**	**$3,320.50**
25	Post Retirement Activities	$3,320.50

Lake Road Turbine Generator 3 Retirement

ID	Task Name	Duration
1	**Lake RoadTurbine Generator 3 Retirement**	**25 days**
2	**Pre-Engineering**	**5 days**
3	Engineering analysis and establish isolation points.	5 days
4	**KCL&L Overhead Costs**	**15 days**
5	KCP&L Retirement Manager	15 days
6	**Retirement**	**15 days**
7	**Feedwater Piping**	**2 days**
8	Drain water from the system and isolate from system.	1 day
9	Leave open vents and drains.	1 day
10	**Turbine(s) and Condenser**	**5 days**
11	Drain hotwell and leave doors open.	1 day
12	Open main turbine doors.	1 day
13	Remove lube oil.	3 days
14	**Generator**	**7 days**
15	Verify that generator circuit breaker is open and racked out or that high-voltage disconnect switch on substation side of GSU transformer is locked in the open position.	0.5 days
16	Verify that generator field breaker or contactor (if applicable) is open.	0.5 days
17	De-energize power supplies to generator excitation system at the source.	0.5 days
18	De-energize AC and DC power supplies to generator and exciter space heaters, cooling equipment, controls, lighting, etc. at the source and open circuit breakers or remove fuses at the generator and exciter.	0.5 days
19	Drain generator and exciter cooling water systems (if applicable).	1 day
20	Disconnect and remove hydrogen gas tanks and purge generator hydrogen system.	2 days
21	Disconnect and remove fire protection system gas/foam tanks and purge fire protection system.	2 days
22	**Condenser Air Extraction**	**1 day**
23	Drain water from system.	1 day



Lake Road Turbine Generator 3 Retirement

ID	Task Name	Duration	4th Quarter	1st Quarter	2nd Quarter
24	**Post Retirement Activities**	**5 days**			
25	Post Retirement Activities	5 days			

Lake Road T/G 3 Dismantlement

Owner Costs				
Pre-Dismantlement Activities			$172,583	
Overhead During Dismantlement			$71,288	
Post-Dismantlement Activities			$8,190	
Owner Costs Total*				$252,061
Demolition General Contractor (DGC) Costs				
Site Management			$69,204	
Equipment Rental			$253,332	
Consummables			$252,744	
Scrap Crew(s)			$250,790	
Dismantlement			$156,925	
Contractor Direct Cost*		$982,995		
Contractor Allowances				
DGC Insurance	2.00%		$19,660	
Contingency/Profit	15.00%		$150,398	
Performance Bond	2.00%		$23,061	
Contractor Costs Total:				$1,176,114
Total:				$1,428,175
Owner Internal Costs:	5.00%			$71,409
Owner Contingency:	25.00%			$374,896
Lake Road T/G 3 Dismantlement Opinion of Probable Cost:				$1,874,480

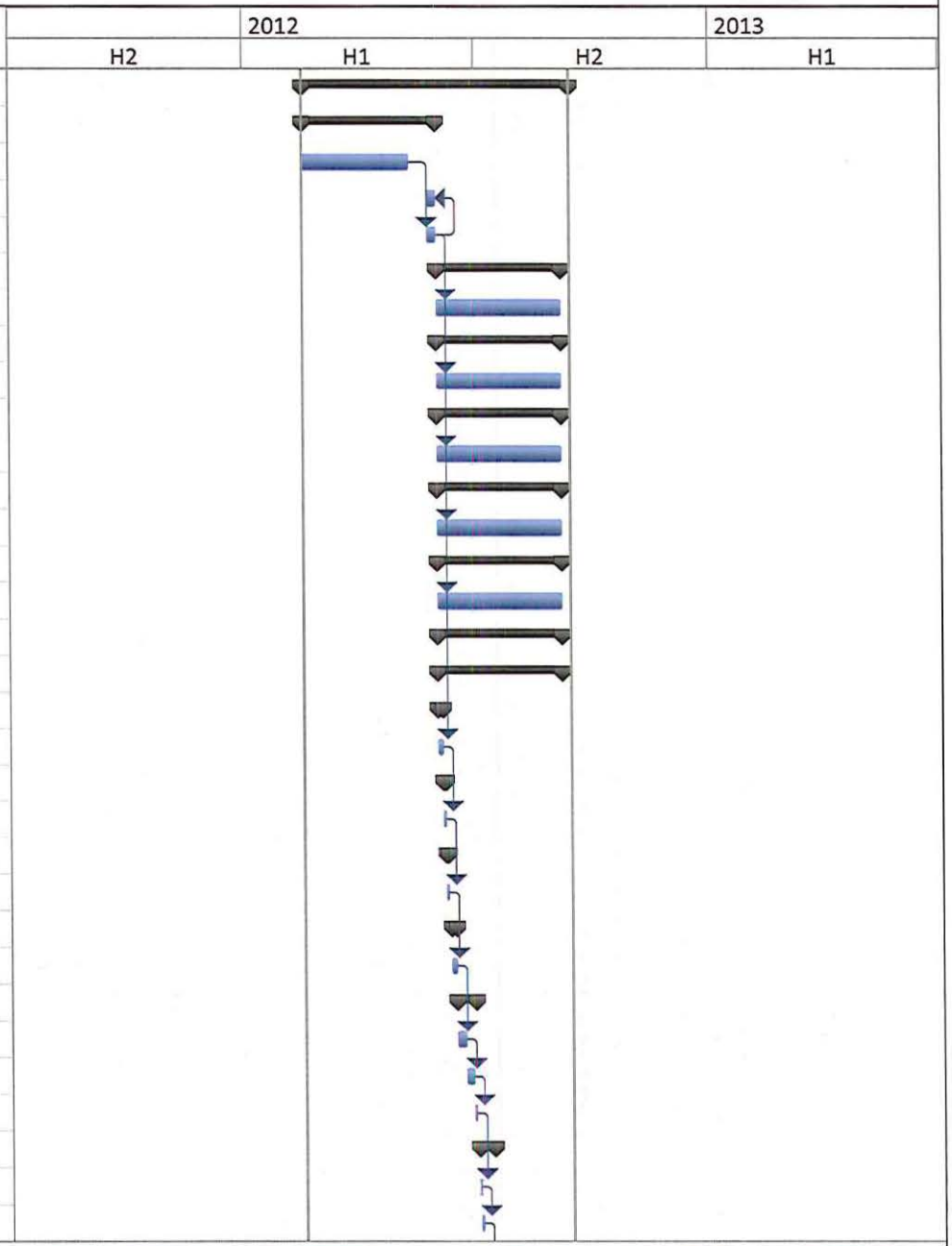
*Owner Costs Total + Contractor Direct Costs = Manpower Loaded Schedule Total w/o Contractor Allowances
= $1,235,056

Lake Road Turbine Generator 3 Dismantlement

ID	Task Name	Cost
1	**Lake Road T/G 3 Removal**	**$1,235,059.80**
2	**Pre-Dismantlement Activities**	**$172,583.80**
3	Hire Demolition General Contractor	$167,184.00
4	KCP&L Prepares Unit for Dismantlement	$5,399.80
5	Demolition Contractor Mobilizes on Site	$0.00
6	**KCP&L Overhead during Dismantlement**	**$71,288.00**
7	KCP&L Engineer	$71,288.00
8	**Demoliton Contractor Overhead during Dismantlement**	**$69,204.80**
9	Demolition Contractor Superintendent	$69,204.80
10	**Demolition Contractor Equipment Rental Costs**	**$253,332.80**
11	Equipment Rental	$253,332.80
12	**Demolition Contractor Consummables**	**$252,744.80**
13	Consummables	$252,744.80
14	**Scrap Crew(s)**	**$250,790.40**
15	Crew to Handle Scrap Material(s)	$250,790.40
16	**Dismantlement Directs**	**$156,925.20**
17	**Phase 1 Demolition**	**$156,925.20**
18	**Critical Piping**	**$3,582.72**
19	Remove Main Steam Piping to the Turbine	$3,582.72
20	**Circulating Water (plant side)**	**$3,582.72**
21	Waterboxes	$3,582.72
22	**Condenser Air Extraction System**	**$3,582.72**
23	Vacuum Pumps	$3,582.72
24	**Turbine Seals and Drains**	**$7,165.44**
25	Piping	$7,165.44
26	**Turbine Lube Oil System**	**$18,443.76**
27	Turbine Lube Oil Tank	$7,695.60
28	Turbine Lube Oil Pumps	$7,165.44
29	Turbine Oil Mist Eliminator	$3,582.72
30	**Generator Auxiliary Systems**	**$17,913.60**
31	Hydrogen Cooler Skid and Piping	$1,791.36
32	Stator Cooling Water Skid and Piping	$3,582.72
33	Isophase Bus Duct	$5,374.08
34	Exciter Heat Exchanger	$3,582.72
35	EHC Coolers	$3,582.72
36	**Remove Turbine**	**$102,654.24**
37	Remove Turbine	$21,057.28
38	Remove Generator	$34,218.08
39	Remove Condenser Neck Heat Exchanger	$7,896.48
40	Remove Condenser	$13,160.80
41	Remove Misc. Auxiliary Turbine Equipment	$26,321.60
42	**Project Close-Out**	**$8,190.00**
43	Project Close-Out Activities	$8,190.00

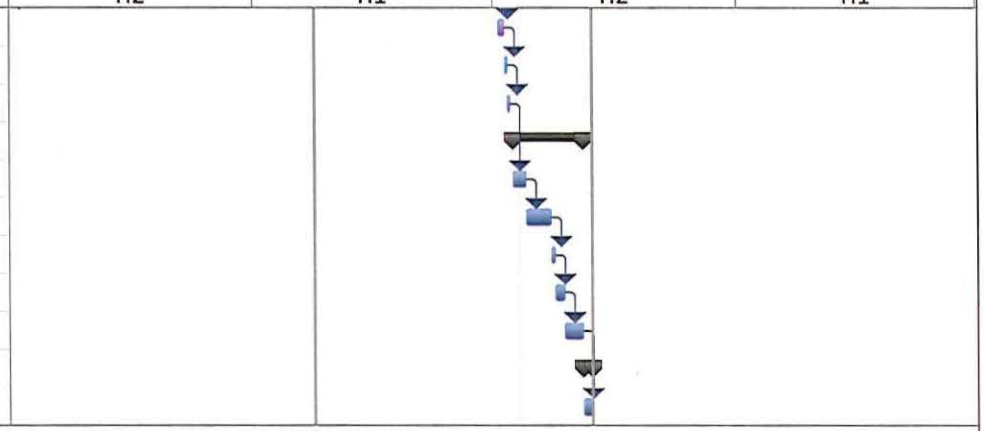
Lake Road Turbine Generator 3 Dismantlement

ID	Task Name	Duration
1	**Lake Road T/G 3 Removal**	**150 days**
2	**Pre-Dismantlement Activities**	**75 days**
3	Hire Demolition General Contractor	3 mons
4	KCP&L Prepares Unit for Dismantlement	1 wk
5	Demolition Contractor Mobilizes on Site	5 days
6	**KCP&L Overhead during Dismantlement**	**70 days**
7	KCP&L Engineer	70 days
8	**Demoliton Contractor Overhead during Dismantlemer**	**70 days**
9	Demolition Contractor Superintendent	70 days
10	**Demolition Contractor Equipment Rental Costs**	**70 days**
11	Equipment Rental	70 days
12	**Demolition Contractor Consummables**	**70 days**
13	Consummables	70 days
14	**Scrap Crew(s)**	**70 days**
15	Crew to Handle Scrap Material(s)	70 days
16	**Dismantlement Directs**	**70 days**
17	**Phase 1 Demolition**	**70 days**
18	**Critical Piping**	**2 days**
19	Remove Main Steam Piping to the Turbine	2 days
20	**Circulating Water (plant side)**	**2 days**
21	Waterboxes	2 days
22	**Condenser Air Extraction System**	**2 days**
23	Vacuum Pumps	2 days
24	**Turbine Seals and Drains**	**4 days**
25	Piping	4 days
26	**Turbine Lube Oil System**	**11 days**
27	Turbine Lube Oil Tank	5 days
28	Turbine Lube Oil Pumps	4 days
29	Turbine Oil Mist Eliminator	2 days
30	**Generator Auxiliary Systems**	**10 days**
31	Hydrogen Cooler Skid and Piping	1 day
32	Stator Cooling Water Skid and Piping	2 days



Lake Road Turbine Generator 3 Dismantlement

ID	Task Name	Duration
33	Isophase Bus Duct	3 days
34	Exciter Heat Exchanger	2 days
35	EHC Coolers	2 days
36	**Remove Turbine**	**39 days**
37	Remove Turbine	8 days
38	Remove Generator	13 days
39	Remove Condenser Neck Heat Exchanger	3 days
40	Remove Condenser	5 days
41	Remove Misc. Auxiliary Turbine Equipment	10 days
42	**Project Close-Out**	**5 days**
43	Project Close-Out Activities	5 days



COMBUSTION TURBINE 5

Lake Road CT 5 Retirement

Owner Costs			
Pre-Retirement Activities		$43,834	
Retirement Activities		$93,370	
Post-Retirement Activities		$22,576	
Owner Direct Total			$159,780
Owner Internal Costs	5.00%		$7,989
Owner Contingency:	25.00%		$41,942

Lake Road CT 5 Retirement Opinion of Probable Cost: $209,711

Lake Road CT 5 Retirement

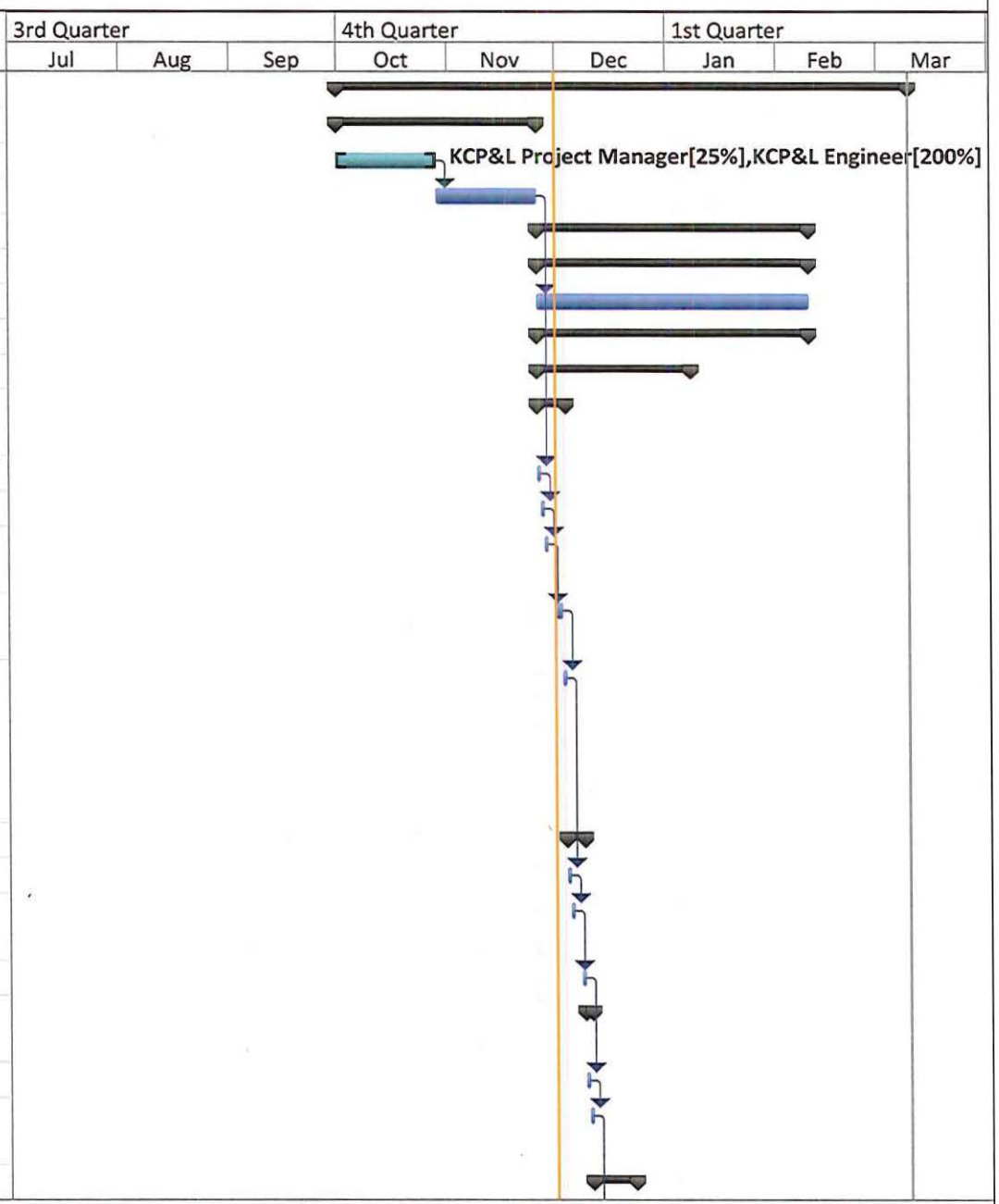
ID	Task Name	Cost
1	**Lake Road CT 5 Retirement**	**$159,780.68**
2	**Pre-Retirement Activities**	**$43,834.00**
3	Permitting Review	$23,466.00
4	Develop Detailed Retirement Plan	$20,368.00
5	**Retirement**	**$93,370.68**
6	**Project Management During Retirement**	**$43,309.08**
7	Project Management During Retirement	$43,309.08
8	**Retirement Activities**	**$50,061.60**
9	**Electrical**	**$27,691.68**
10	**Medium and Low Voltage Drawout Switchgear**	**$5,359.68**
11	De-energize all buses at the source.	$893.28
12	Open all circuit breakers.	$893.28
13	Rack all circuit breakers into the fully withdrawn, disconnected position.	$893.28
14	Verify that the closing/tripping springs are discharged.	$1,786.56
15	De-energize control power and auxiliary power circuits of each circuit breaker at the source and by opening control power circuit breakers or removing fuses in each breaker cubicle.	$893.28
16	**Motor Control Centers**	**$2,679.84**
17	De-energize all buses at the source.	$893.28
18	Open all circuit breakers and disconnect switches.	$893.28
19	Remove all fuses in control circuits.	$893.28
20	**Low-voltage Switchboards and Panelboards**	**$1,786.56**
21	De-energize all buses at the source.	$893.28
22	Open all circuit breakers and disconnect switches.	$893.28
23	**Oil-Filled Power Transformers**	**$7,146.24**
24	De-energize all buses at the source.	$893.28
25	Open all circuit breakers and disconnect switches.	$893.28
26	De-energize all buses at the source.	$893.28
27	Open all circuit breakers and disconnect switches.	$4,466.40
28	**Dry-type Power Transformers**	**$4,466.40**
29	De-energize all transformer primaries and verify that the secondary is de-energized.	$893.28
30	De-energize all low-voltage AC or DC power sources for space heaters, cooling equipment, controls, etc. at the source and open circuit breakers or remove fuses at transformer end.	$3,573.12
31	**Motors**	**$6,252.96**
32	De-energize all primary power at the source.	$893.28
33	De-energize all low-voltage power sources for space heaters or other auxiliary equipment at the source.	$893.28
34	Drain lube oil system (if applicable) and dispose of oil.	$4,466.40
35	**Fuel System**	**$3,466.80**

Lake Road CT 5 Retirement

ID	Task Name	Cost
36	Isolate Fuel Oil System	$2,604.96
37	Drain and Vent Fuel Oil Piping	$861.84
38	Open and vent gas piping.	$0.00
39	**Lube Oil Cooling Water System**	**$2,585.52**
40	Open and Drain the Water Side of the Lube Oil Coolers	$1,723.68
41	Open and Vent the Coolers and Expansion Tank	$861.84
42	**Miscelleaneous Piping**	**$4,309.20**
43	Open and Vent the Exhaust Frame Cooling Piping	$861.84
44	Open & Vent the CT Air Process Piping	$861.84
45	Open and Vent the CT Air Processing Piping	$2,585.52
46	**Fire Protection Piping**	**$3,428.24**
47	Empty the CO2 Storage Tank	$2,566.40
48	Open and Vent the Fire Protection Piping	$861.84
49	**Lube Oil System**	**$8,580.16**
50	Empty and Remove from Site the Lubricating Oil	$5,132.80
51	Drain Lubricating Oil Piping	$1,723.68
52	Open and Vent Lubricating Oil Piping	$1,723.68
53	**Post Retirement Closure Activity**	**$22,576.00**
54	Post Retirement Closure Activity	$22,576.00

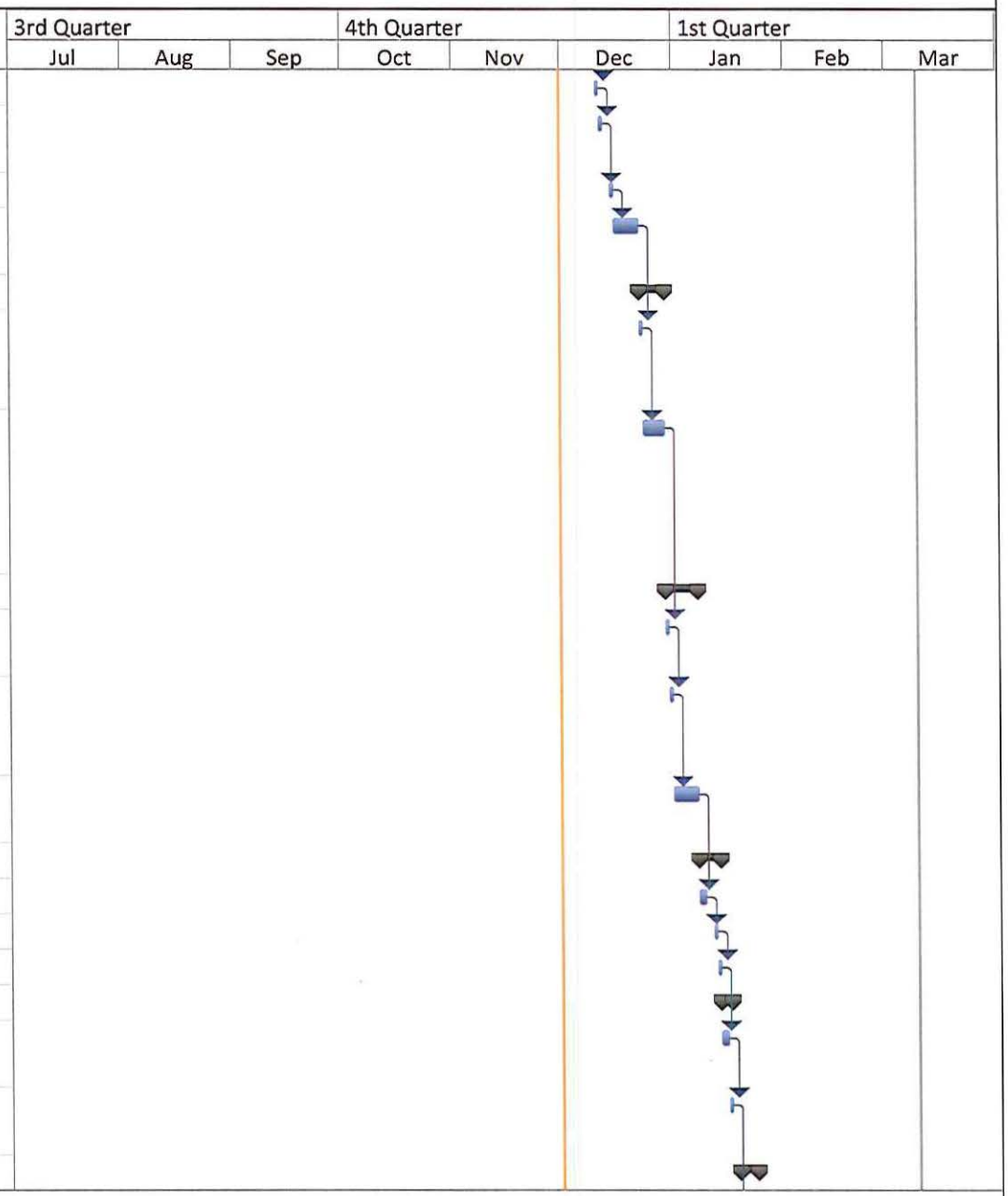
Lake Road CT 5 Retirement

ID	Task Name	Duration
1	**Lake Road CT 5 Retirement**	**114 days**
2	**Pre-Retirement Activities**	**40 days**
3	Permitting Review	20 days
4	Develop Detailed Retirement Plan	20 days
5	**Retirement**	**54 days**
6	**Project Management During Retirement**	**54 days**
7	Project Management During Retirement	54 days
8	**Retirement Activities**	**54 days**
9	**Electrical**	**31 days**
10	**Medium and Low Voltage Drawout Switchgear**	**6 days**
11	De-energize all buses at the source.	1 day
12	Open all circuit breakers.	1 day
13	Rack all circuit breakers into the fully withdrawn, disconnected	1 day
14	Verify that the closing/tripping springs are discharged.	2 days
15	De-energize control power and auxiliary power circuits of each circuit breaker at the source and by opening control power circuit breakers or removing fuses in each	1 day
16	**Motor Control Centers**	**3 days**
17	De-energize all buses at the source.	1 day
18	Open all circuit breakers and disconnect switches.	1 day
19	Remove all fuses in control circuits.	1 day
20	**Low-voltage Switchboards and Panelboards**	**2 days**
21	De-energize all buses at the source.	1 day
22	Open all circuit breakers and disconnect switches.	1 day
23	**Oil-Filled Power Transformers**	**8 days**



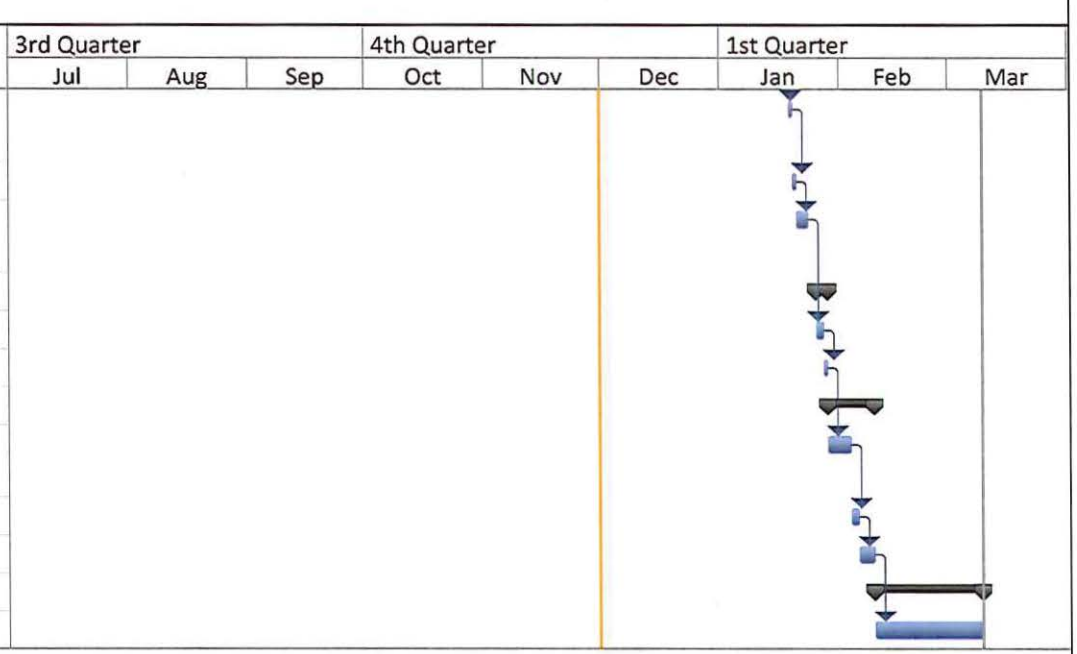
Lake Road CT 5 Retirement

ID	Task Name	Duration
24	De-energize all buses at the source.	1 day
25	Open all circuit breakers and disconnect switches.	1 day
26	De-energize all buses at the source.	1 day
27	Open all circuit breakers and disconnect switches.	5 days
28	**Dry-type Power Transformers**	**5 days**
29	De-energize all transformer primaries and verify that the secondary is de-energized.	1 day
30	De-energize all low-voltage AC or DC power sources for space heaters, cooling equipment, controls, etc. at the source and open circuit breakers or remove fuses at transformer end.	4 days
31	**Motors**	**7 days**
32	De-energize all primary power at the source.	1 day
33	De-energize all low-voltage power sources for space heaters or other auxiliary equipment at the source.	1 day
34	Drain lube oil system (if applicable) and dispose of oil.	5 days
35	**Fuel System**	**4 days**
36	Isolate Fuel Oil System	2 days
37	Drain and Vent Fuel Oil Piping	1 day
38	Open and vent gas piping.	1 day
39	**Lube Oil Cooling Water System**	**3 days**
40	Open and Drain the Water Side of the Lube Oil Coolers	2 days
41	Open and Vent the Coolers and Expansion Tank	1 day
42	**Miscelleaneous Piping**	**5 days**



Lake Road CT 5 Retirement

ID	Task Name	Duration
43	Open and Vent the Exhaust Frame Cooling Piping	1 day
44	Open & Vent the CT Air Process Piping	1 day
45	Open and Vent the CT Air Processing Piping	3 days
46	**Fire Protection Piping**	**3 days**
47	Empty the CO2 Storage Tank	2 days
48	Open and Vent the Fire Protection Pipin	1 day
49	**Lube Oil System**	**8 days**
50	Empty and Remove from Site the Lubricating Oil	4 days
51	Drain Lubricating Oil Piping	2 days
52	Open and Vent Lubricating Oil Piping	2 days
53	**Post Retirement Closure Activity**	**20 days**
54	Post Retirement Closure Activity	20 days



Lake Road CT 5 Dismantlement

Owner Costs				
Pre-Dismantlement Activities			$242,211	
Overhead During Dismantlement			$95,729	
Post-Dismantlement Activities			$16,380	
Owner Costs Total*				$354,320
Demolition General Contractor (DGC) Costs				
Site Management			$199,791	
Equipment Rental			$340,189	
Consummables			$339,400	
Scrap Crew(s)			$89,352	
Dismantlement			$272,506	
Contractor Direct Cost*		$1,241,238		
Contractor Allowances				
DGC Insurance	2.00%		$24,825	
Contingency/Profit	15.00%		$189,909	
Performance Bond	2.00%		$29,119	
Contractor Costs Total:				$1,485,092
Total:				$1,839,412
Owner Internal Costs:	5.00%			$91,971
Owner Contingency:	25.00%			$482,846
Lake Road CT 5 Dismantlement Opinion of Probable Cost:				$2,414,228

*Owner Costs Total + Contractor Direct Costs = Manpower Loaded Schedule Total w/o Contractor Allowances
= $1,595,558

Lake Road CTG 5 Dismantlement

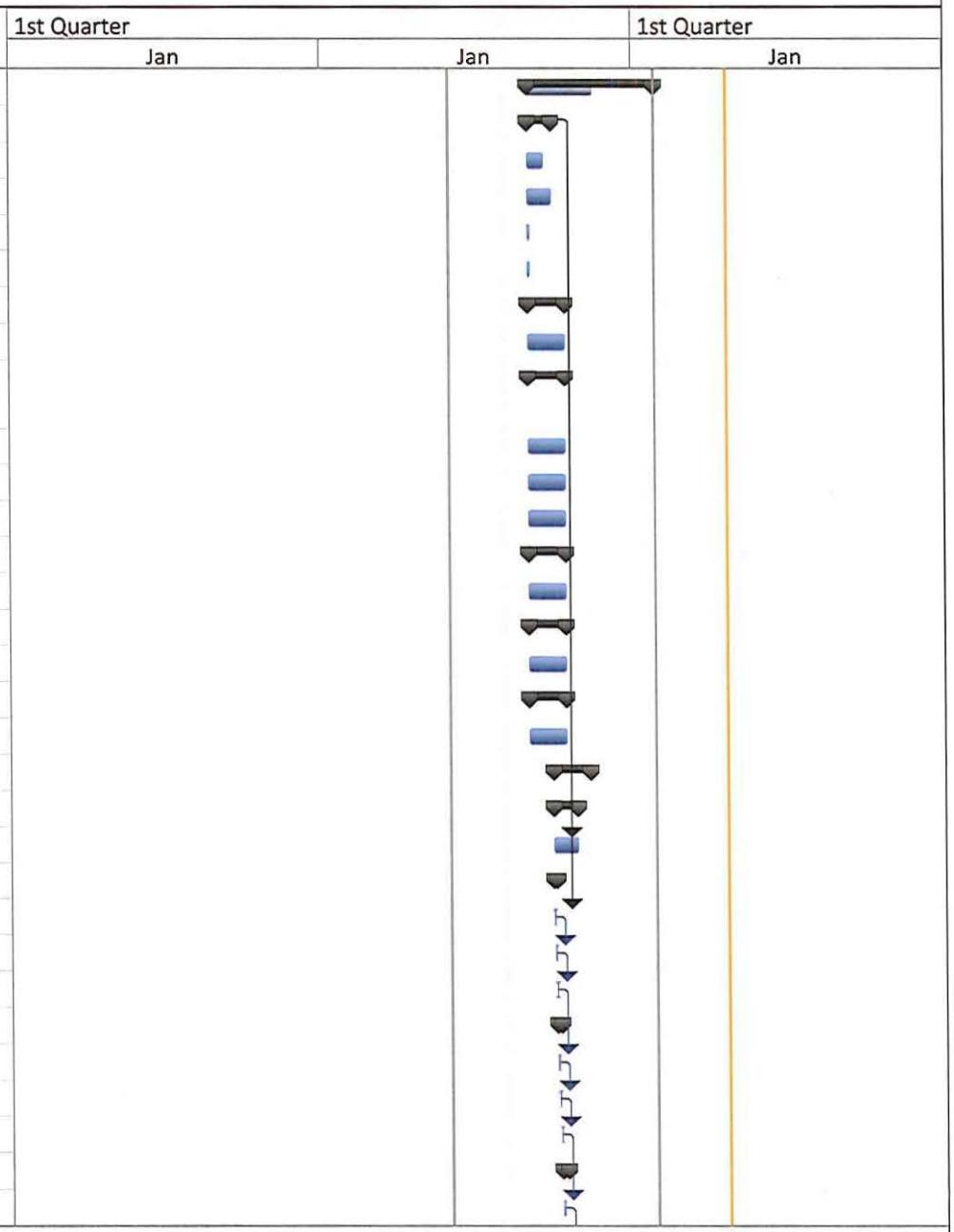
ID	Task Name	Cost
1	**Lake Road CTG 5 Dismantlement**	**$1,595,561.08**
2	**Pre-Demolition Activities**	**$242,211.32**
3	Detailed Planning & Hire Owner's Engineer	$69,627.52
4	Hire Demolition general Contractor	$167,184.00
5	KCP&L Prepares Unit for Dismantlement	$5,399.80
6	Demolition Contractor Mobilizes on Sit	$0.00
7	**KCP&L Overhead during Dismantlement**	**$95,729.60**
8	KCP&L Engineer	$95,729.60
9	**Demolition Contractor Overhead during Dismantlement**	**$199,791.36**
10	Demolition Contractor Project Manager	$56,527.84
11	Demolition Contractor Safety Manager	$50,331.36
12	Demolition Contractor Superintendent	$92,932.16
13	**Demolition Contractor Equipment Rental Cost**	**$340,189.76**
14	Equipment Rental	$340,189.76
15	**Demolition Contractor Consumables**	**$339,400.16**
16	Consumables	$339,400.16
17	**Scrap Crews**	**$89,352.64**
18	Crew to Handle Scrap Material(s)	$89,352.64
19	**Dismantlement**	**$272,506.24**
20	**Electrical**	**$107,481.60**
21	Electrical Demolition of Equipment	$107,481.60
22	**Fuel Gas System**	**$10,967.68**
23	Remove all above grade fuel gas piping.	$2,010.88
24	Gas Filter Skid	$5,374.08
25	Remove all above grade fuel oil piping	$3,582.72
26	**Lube Oil System**	**$17,913.60**
27	Lube Oil Piping	$5,374.08
28	Lube Oil Pumps	$5,374.08
29	Lube Oil Tanks	$7,165.44
30	**Fire Protection**	**$26,870.40**
31	Fire Protection Piping	$10,748.16
32	Firewater Tank	$8,956.80
33	CO2 Storage Tank	$7,165.44
34	**Generator**	**$7,165.44**
35	Generator	$7,165.44
36	**Combustion Turbine**	**$75,237.12**
37	Inlet duct	$8,956.80
38	Exhaust duct	$12,539.52
39	Combustion Turbine	$28,661.76
40	Combustion Turbine Foundation	$16,122.24
41	Enclosure	$8,956.80
42	**Stack**	**$26,870.40**
43	Stack	$26,870.40
44	**Post Dismantlement Activities**	**$16,380.00**

Lake Road CTG 5 Dismantlement

ID	Task Name	Cost
45	Post Dismantlement Activities	$16,380.00

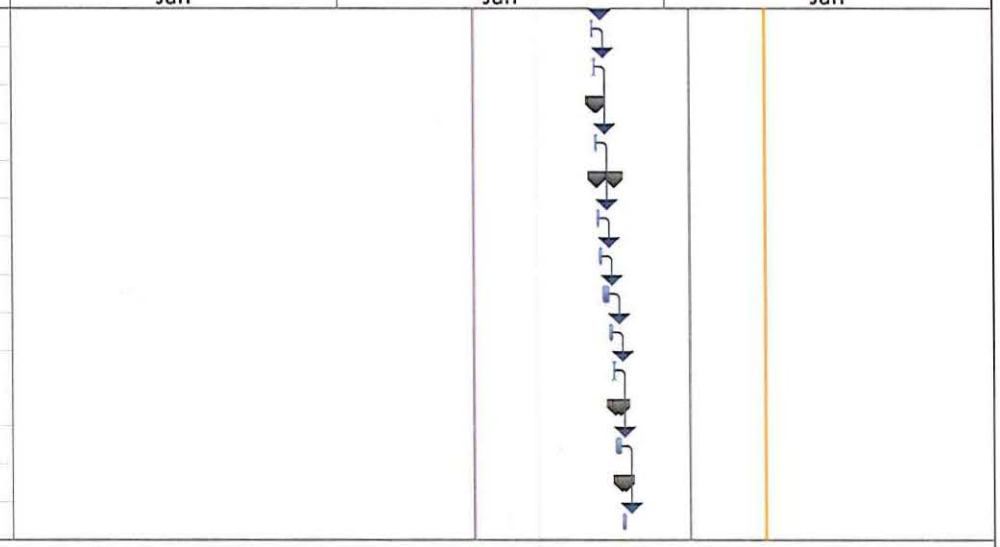
Lake Road CTG 5 Dismantlement

ID	Task Name	Duration
1	**Lake Road CTG 5 Dismantlement**	**319 days**
2	**Pre-Demolition Activities**	**60 days**
3	Detailed Planning & Hire Owner's Engineer	2 mons
4	Hire Demolition general Contractor	3 mons
5	KCP&L Prepares Unit for Dismantlement	1 wk
6	Demolition Contractor Mobilizes on Sit	5 days
7	**KCP&L Overhead during Dismantlement**	**94 days**
8	KCP&L Engineer	94 days
9	**Demolition Contractor Overhead during Dismantlement**	**94 days**
10	Demolition Contractor Project Manager	94 days
11	Demolition Contractor Safety Manager	94 days
12	Demolition Contractor Superintendent	94 days
13	**Demolition Contractor Equipment Rental Cost**	**94 days**
14	Equipment Rental	94 days
15	**Demolition Contractor Consumables**	**94 days**
16	Consumables	94 days
17	**Scrap Crews**	**94 days**
18	Crew to Handle Scrap Material(s)	94 days
19	**Dismantlement**	**94 days**
20	**Electrical**	**60 days**
21	Electrical Demolition of Equipment	60 days
22	**Fuel Gas System**	**8 days**
23	Remove all above grade fuel gas piping.	3 days
24	Gas Filter Skid	3 days
25	Remove all above grade fuel oil piping	2 days
26	**Lube Oil System**	**10 days**
27	Lube Oil Piping	3 days
28	Lube Oil Pumps	3 days
29	Lube Oil Tanks	4 days
30	**Fire Protection**	**15 days**
31	Fire Protection Piping	6 days



Lake Road CTG 5 Dismantlement

ID	Task Name	Duration
32	Firewater Tank	5 days
33	CO2 Storage Tank	4 days
34	**Generator**	**4 days**
35	Generator	4 days
36	**Combustion Turbine**	**42 days**
37	Inlet duct	5 days
38	Exhaust duct	7 days
39	Combustion Turbine	16 days
40	Combustion Turbine Foundation	9 days
41	Enclosure	5 days
42	**Stack**	**15 days**
43	Stack	15 days
44	**Post Dismantlement Activities**	**10 days**
45	Post Dismantlement Activities	10 days



COMBUSTION TURBINES 6 AND 7

Lake Road CT 6 & 7 Retirement

Owner Costs			
Pre-Retirement Activities		$69,498	
Retirement Activities		$29,491	
Post-Retirement Activities		$22,576	
Owner Direct Total			$121,565
Owner Internal Costs	5.00%		$6,078
Owner Contingency:	25.00%		$31,911

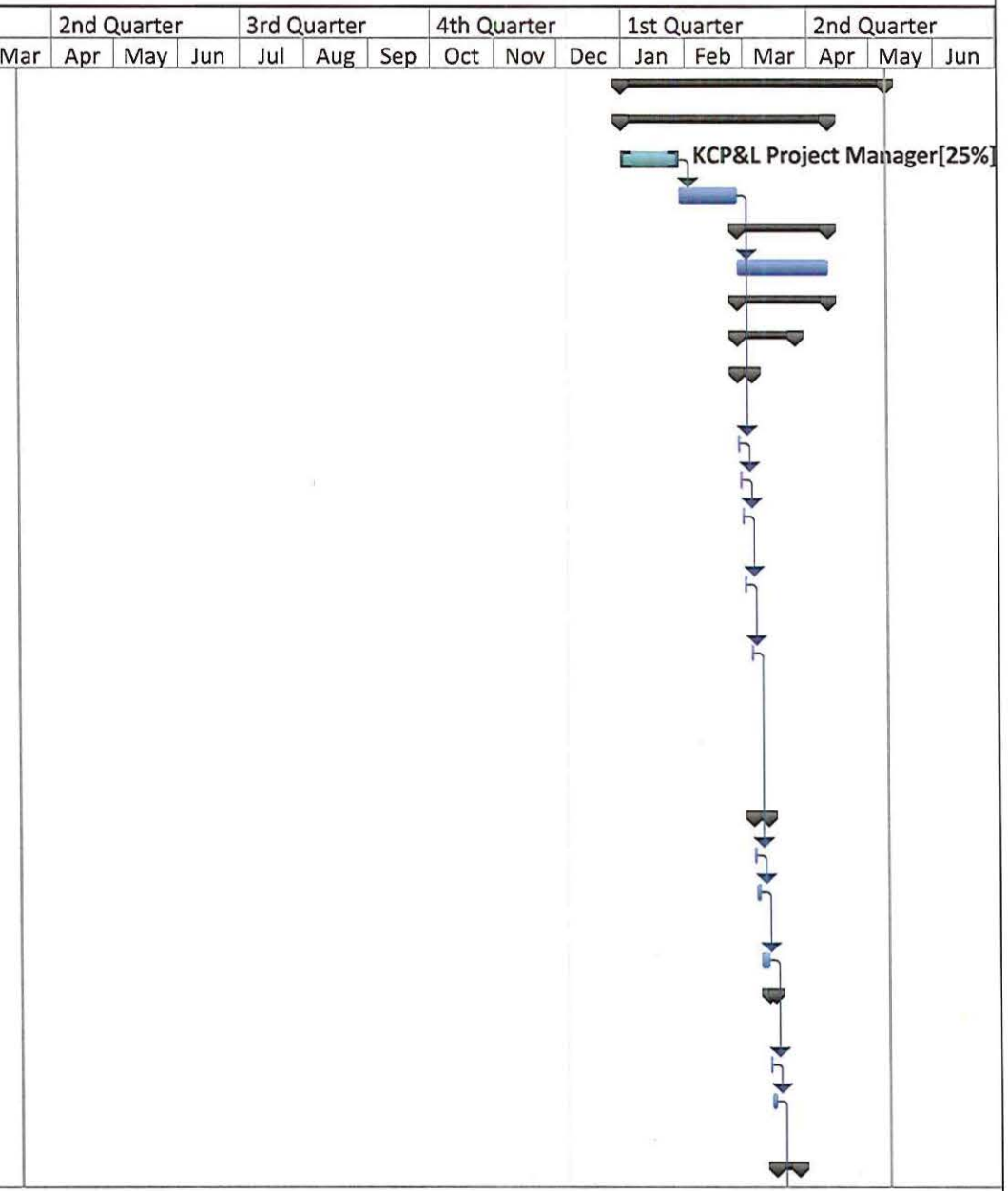
Lake Road CT 6 & 7 Retirement Opinion of Probable Cost: $159,554

Lake Road CTG 6 and 7 Retirement

ID	Task Name	Cost
1	**Lake Road CTG 6 and 7 Retirement**	**$121,565.68**
2	**Pre-Retirement Activities**	**$69,498.64**
3	Permitting Review	$23,466.00
4	Develop Detailed Retirement Plan	$20,368.00
5	**Project Management During Retirement**	**$25,664.64**
6	Project Management During Retirement	$25,664.64
7	**Retirement Activities**	**$29,491.04**
8	**Electrical**	**$17,865.60**
9	**Medium and Low Voltage Drawout Switchgear**	**$4,466.40**
10	De-energize all buses at the source.	$893.28
11	Open all circuit breakers.	$893.28
12	Rack all circuit breakers into the fully withdrawn, disconnected position.	$893.28
13	Verify that the closing/tripping springs are discharged.	$893.28
14	De-energize control power and auxiliary power circuits of each circuit breaker at the source and by opening control power circuit breakers or removing fuses in each breaker cubicle.	$893.28
15	**Motor Control Centers**	**$4,466.40**
16	De-energize all buses at the source.	$893.28
17	Open all circuit breakers and disconnect switches.	$1,786.56
18	Remove all fuses in control circuits.	$1,786.56
19	**Low-voltage Switchboards and Panelboards**	**$2,679.84**
20	De-energize all buses at the source.	$893.28
21	Open all circuit breakers and disconnect switches.	$1,786.56
22	**Motors**	**$6,252.96**
23	De-energize all primary power at the source.	$893.28
24	De-energize all low-voltage power sources for space heaters or other auxiliary equipment at the source.	$893.28
25	Drain lube oil system (if applicable) and dispose of oil.	$4,466.40
26	**Fuel Oil System**	**$3,026.16**
27	Isolate Fuel Oil System	$1,302.48
28	Drain and Vent Fuel Oil Piping	$1,723.68
29	**Lube Oil Cooling Water System**	**$2,585.52**
30	Open and Drain the Water Side of the Lube Oil Coolers	$1,723.68
31	Open and Vent the Coolers and Expansion Tank	$861.84
32	**Lube Oil System**	**$6,013.76**
33	Empty and Remove from Site the Lubricating Oil	$2,566.40
34	Drain Lubricating Oil Piping	$2,585.52
35	Open and Vent Lubricating Oil Piping	$861.84
36	**Post Retirement Closure Activity**	**$22,576.00**
37	Post Retirement Closure Activity	$22,576.00

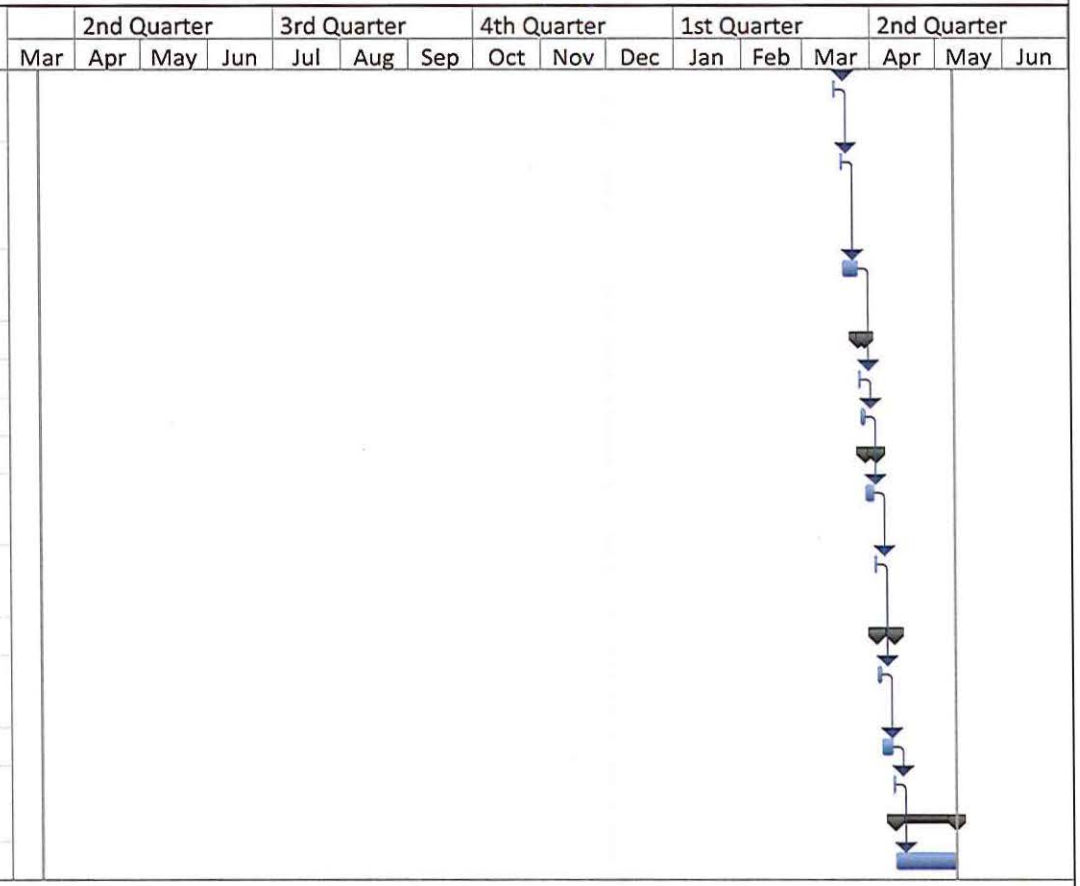
Lake Road CTG 6 and 7 Retirement

ID	Task Name	Duration
1	**Lake Road CTG 6 and 7 Retirement**	**92 days**
2	**Pre-Retirement Activities**	**72 days**
3	Permitting Review	20 days
4	Develop Detailed Retirement Plan	20 days
5	**Project Management During Retirement**	**32 days**
6	Project Management During Retirement	32 days
7	**Retirement Activities**	**32 days**
8	**Electrical**	**20 days**
9	**Medium and Low Voltage Drawout Switchgear**	**5 days**
10	De-energize all buses at the source.	1 day
11	Open all circuit breakers.	1 day
12	Rack all circuit breakers into the fully withdrawn, disconnected position.	1 day
13	Verify that the closing/tripping springs are discharged.	1 day
14	De-energize control power and auxiliary power circuits of each circuit breaker at the source and by opening control power circuit breakers or removing fuses in each breaker cubicle.	1 day
15	**Motor Control Centers**	**5 days**
16	De-energize all buses at the source.	1 day
17	Open all circuit breakers and disconnect switches.	2 days
18	Remove all fuses in control circuits.	2 days
19	**Low-voltage Switchboards and Panelboards**	**3 days**
20	De-energize all buses at the source.	1 day
21	Open all circuit breakers and disconnect switches.	2 days
22	**Motors**	**7 days**



Lake Road CTG 6 and 7 Retirement

ID	Task Name	Duration
23	De-energize all primary power at the source.	1 day
24	De-energize all low-voltage power sources for space heaters or other auxiliary equipment at the source.	1 day
25	Drain lube oil system (if applicable) and dispose of oil.	5 days
26	**Fuel Oil System**	**3 days**
27	Isolate Fuel Oil System	1 day
28	Drain and Vent Fuel Oil Piping	2 days
29	**Lube Oil Cooling Water System**	**3 days**
30	Open and Drain the Water Side of the Lube Oil Coolers	2 days
31	Open and Vent the Coolers and Expansion Tank	1 day
32	**Lube Oil System**	**6 days**
33	Empty and Remove from Site the Lubricating Oil	2 days
34	Drain Lubricating Oil Piping	3 days
35	Open and Vent Lubricating Oil Piping	1 day
36	**Post Retirement Closure Activity**	**20 days**
37	Post Retirement Closure Activity	20 days



Lake Road CT 6 & 7 Dismantlement

Owner Costs				
Pre-Dismantlement Activities			$191,883	
Overhead During Dismantlement			$99,918	
Post-Dismantlement Activities			$32,760	
Owner Costs Total*				$324,561
Demolition General Contractor (DGC) Costs				
Site Management			$129,651	
Equipment Rental			$220,761	
Consummables			$220,249	
Scrap Crew(s)			$57,984	
Dismantlement			$160,911	
Contractor Direct Cost*		$789,556		
Contractor Allowances				
DGC Insurance	2.00%		$15,791	
Contingency/Profit	15.00%		$120,802	
Performance Bond	2.00%		$18,523	
Contractor Costs Total:				$944,672
Total:				$1,269,233
Owner Internal Costs:	5.00%			$63,462
Owner Contingency:	25.00%			$333,174
Lake Road CT 6 & 7 Dismantlement Opinion of Probable Cost:				$1,665,869

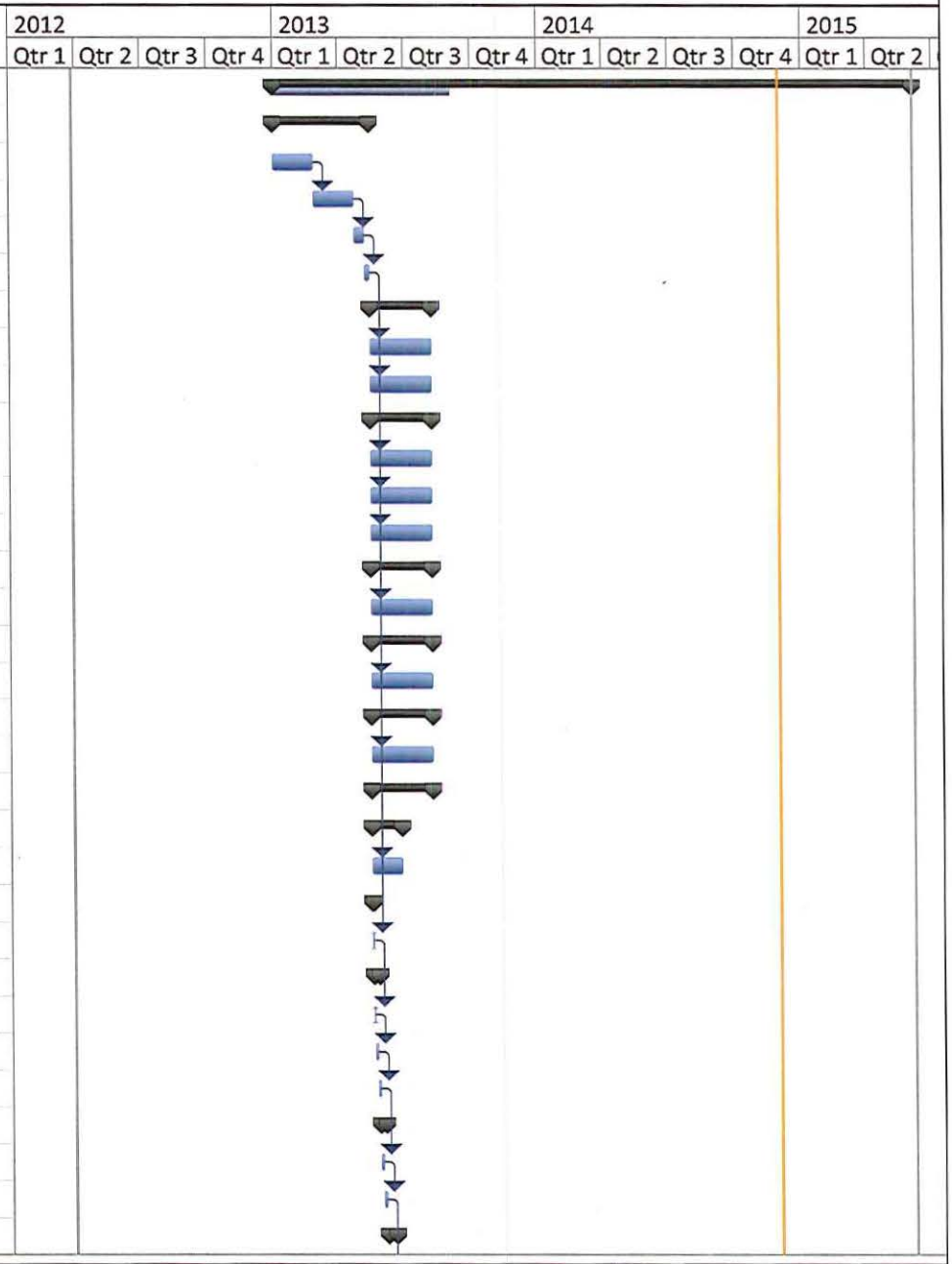
*Owner Costs Total + Contractor Direct Costs = Manpower Loaded Schedule Total w/o Contractor Allowances
= $1,114,117

Lake Road CT 6 and 7 Dismantlement

ID	Task Name	Cost
1	**Lake Road CT 6 and 7 Dismantlement**	**$1,114,119.36**
2	**Pre-Demolition Activities**	**$191,883.12**
3	Detailed Planning	$69,627.52
4	Hire Demolition general Contractor	$111,456.00
5	KCP&L Prepares Unit for Dismantlement	$10,799.60
6	Demolition Contractor Mobilizes on Site	$0.00
7	**KCP&L Overhead during Dismantlement**	**$99,918.00**
8	KCP&L Project Manager	$37,795.60
9	KCP&L Engineer	$62,122.40
10	**Demolition Contractor Overhead during Dismantlement**	**$129,651.84**
11	Demolition Contractor Project Manager	$36,682.96
12	Demolition Contractor Safety Manager	$32,661.84
13	Demolition Contractor Superintendent	$60,307.04
14	**Demolition Contractor Equipment Rental Cost**	**$220,761.44**
15	Equipment Rental	$220,761.44
16	**Demolition Contractor Consumables**	**$220,249.04**
17	Consumables	$220,249.04
18	**Scrap Crews**	**$57,984.16**
19	Crew to Handle Scrap Material(s)	$57,984.16
20	**Dismantlement**	**$160,911.76**
21	**Electrical**	**$53,740.80**
22	Electrical Demolition of Equipment	$53,740.80
23	**Fuel Oil System**	**$1,480.72**
24	Remove all above grade fuel oil piping.	$1,480.72
25	**Lube Oil System**	**$10,748.16**
26	Lube Oil Piping	$1,791.36
27	Lube Oil Pumps	$3,582.72
28	Lube Oil Tanks	$5,374.08
29	**Fire Protection**	**$10,748.16**
30	Fire Protection Piping	$3,582.72
31	CO2 Storage Tank	$7,165.44
32	**Generator**	**$17,913.60**
33	Generators	$17,913.60
34	**Combustion Turbine**	**$62,697.60**
35	Inlet ducts	$7,165.44
36	Exhaust ducts	$7,165.44
37	Combustion Turbines	$17,913.60
38	Combustion Turbine Foundation	$21,496.32
39	Combustion Turbine Enclosure Building	$8,956.80
40	**Stack**	**$3,582.72**
41	Stacks	$3,582.72
42	**Post Dismantlement Activities**	**$32,760.00**
43	Post Dismantlement Activities	$32,760.00

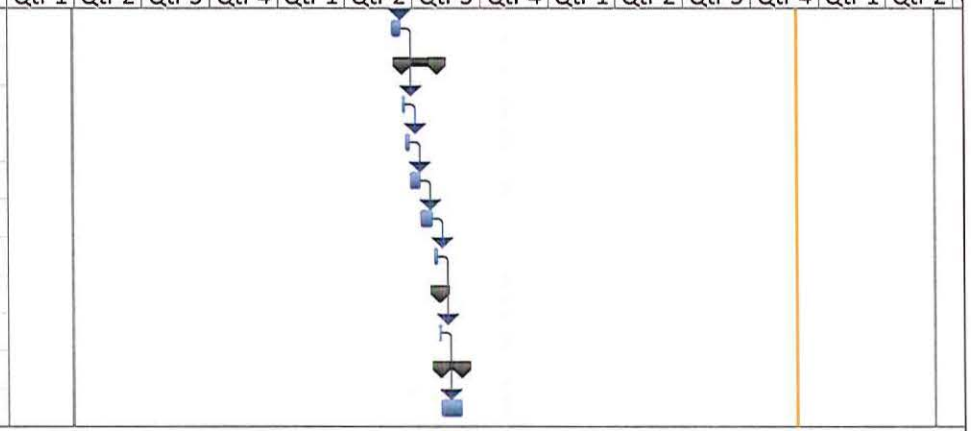
Lake Road CT 6 & 7 Dismantlement

ID	Task Name	Duration
1	**Lake Road CT 6 and 7 Dismantlement**	**633 days**
2	**Pre-Demolition Activities**	**95 days**
3	Detailed Planning	2 mons
4	Hire Demolition general Contractor	2 mons
5	KCP&L Prepares Unit for Dismantlement	2 wks
6	Demolition Contractor Mobilizes on Site	5 days
7	**KCP&L Overhead during Dismantlement**	**61 days**
8	KCP&L Project Manager	61 days
9	KCP&L Engineer	61 days
10	**Demolition Contractor Overhead during Dismantlemer**	**61 days**
11	Demolition Contractor Project Manager	61 days
12	Demolition Contractor Safety Manager	61 days
13	Demolition Contractor Superintendent	61 days
14	**Demolition Contractor Equipment Rental Cost**	**61 days**
15	Equipment Rental	61 days
16	**Demolition Contractor Consumables**	**61 days**
17	Consumables	61 days
18	**Scrap Crews**	**61 days**
19	Crew to Handle Scrap Material(s)	61 days
20	**Dismantlement**	**61 days**
21	**Electrical**	**30 days**
22	Electrical Demolition of Equipment	30 days
23	**Fuel Oil System**	**2 days**
24	Remove all above grade fuel oil piping.	2 days
25	**Lube Oil System**	**6 days**
26	Lube Oil Piping	1 day
27	Lube Oil Pumps	2 days
28	Lube Oil Tanks	3 days
29	**Fire Protection**	**6 days**
30	Fire Protection Piping	2 days
31	CO2 Storage Tank	4 days
32	**Generator**	**10 days**



Lake Road CT 6 & 7 Dismantlement

ID	Task Name	Duration
33	Generators	10 days
34	**Combustion Turbine**	**35 days**
35	Inlet ducts	4 days
36	Exhaust ducts	4 days
37	Combustion Turbines	10 days
38	Combustion Turbine Foundation	12 days
39	Combustion Turbine Enclosure Building	5 days
40	**Stack**	**2 days**
41	Stacks	2 days
42	**Post Dismantlement Activities**	**20 days**
43	Post Dismantlement Activities	20 days



COMMON

Lake Road Common Retirement

Owner Costs			
Pre-Retirement Activities		$52,448	
Retirement Activities		$588,014	
Post-Retirement Activities		$26,224	
Owner Direct Total			$666,686
Owner Internal Costs	5.00%		$33,334
Owner Contingency:	25.00%		$175,005
Lake Road Common Retirement Opinion of Probable Cost:			$875,025

Activities Required by Permit or Regulation

Lake Road 5 Tank	$31,069	
Lake Road 6 Tank	$71,610	
Lake Road 7 Tank	$71,610	
Activities Required by Permit or Regulation:		$174,289

Lake Road Common Retirement

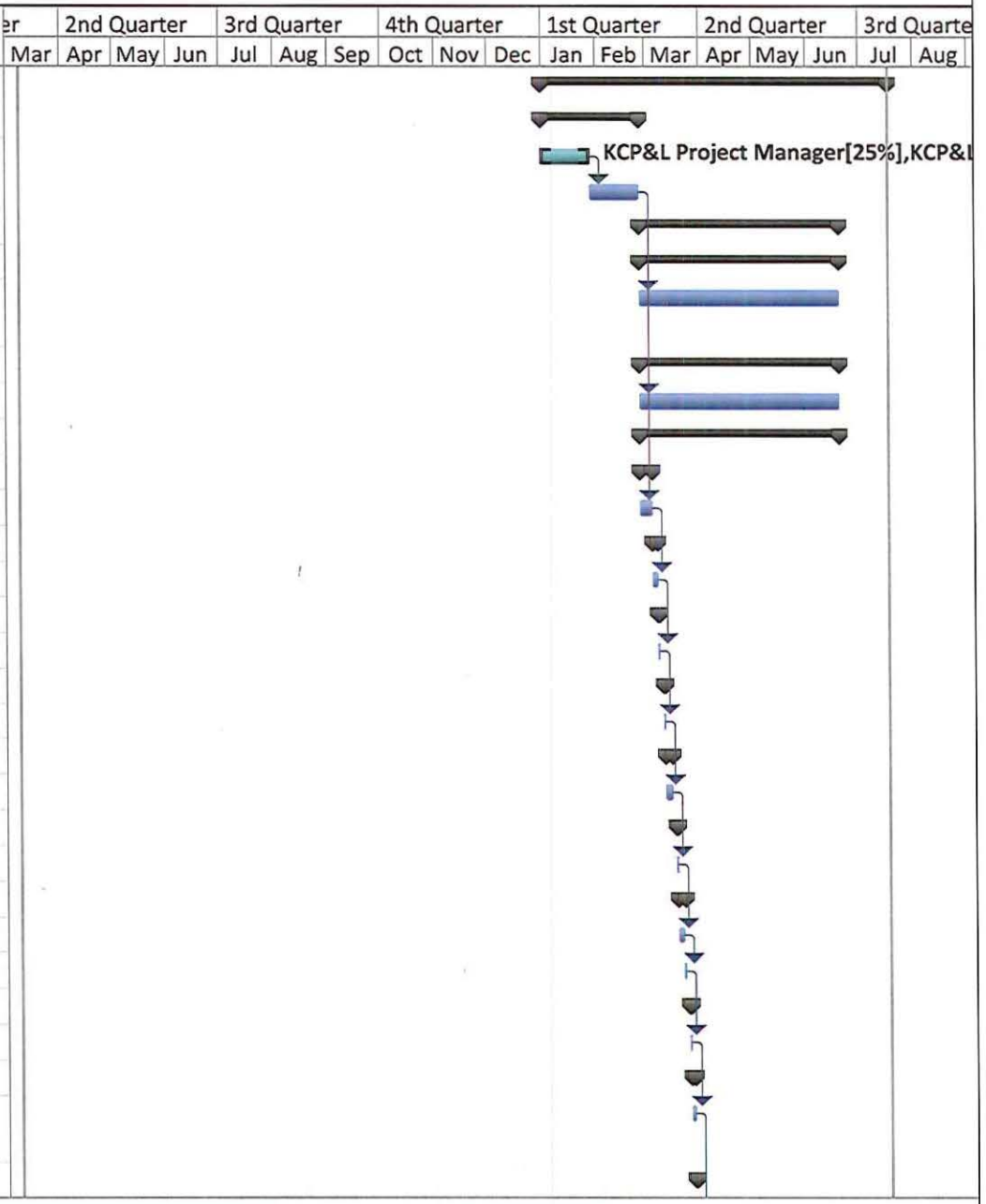
ID	Task Name	Cost
1	**Lake Road Common Retirement**	**$666,686.48**
2	**Pre-Retirement Activities**	**$52,448.80**
3	Permitting Review	$26,224.40
4	Develop Detailed Retirement Plan	$26,224.40
5	**Overheads**	**$137,346.72**
6	**Retirement Overheads**	**$120,133.28**
7	Added Overhead Staff for Common Retirement	$120,133.28
8	**Common Removal Equipment Rental**	**$17,213.44**
9	Common Removal Equipment Rental	$17,213.44
10	**Retirement Activities**	**$450,666.56**
11	**Administration Building**	**$9,342.40**
12	Secure Administration Building	$9,342.40
13	**Fuel Yard Office Building**	**$5,605.44**
14	Secure Fuel Yard Office Building	$5,605.44
15	**Butler Building**	**$1,868.48**
16	Secure Butler Building	$1,868.48
17	**Dozer Building**	**$1,868.48**
18	Secure Dozer Building	$1,868.48
19	**Laboratory**	**$9,260.48**
20	Secure Laboratory	$9,260.48
21	**Guard Shack**	**$1,868.48**
22	Secure Guard Shack	$1,868.48
23	**Gas Metering Station**	**$6,866.80**
24	Isolate Gas Metering Station at the Source	$5,605.44
25	Vent Piping	$1,261.36
26	**Propane Tanks**	**$1,261.36**
27	Open and Vent Propane Tanks	$1,261.36
28	**Non-Potable/Fire Protection Water Tank**	**$2,522.72**
29	Drain and Vent the Non-Potable/Fire Protection Water Tank	$2,522.72
30	**Condensate Storage Tank**	**$1,261.36**
31	Drain and Vent the Condensate Storage Tank	$1,261.36
32	**Fuel Yard**	**$26,690.80**
33	**Car Dumper**	**$8,829.52**
34	Empty Car Track Hoppers	$1,261.36
35	Clean Car Dumper	$3,784.08
36	Empty and Clean Belt Feeders 3A, 3B and 3C	$3,784.08
37	**West Yard Reclaim**	**$15,338.56**
38	Clean West Yard Reclaim Hoppers	$2,522.72
39	Clean the West Yard Reclaim Hopper Vibrating Feeders	$1,261.36
40	Clean the Frozen Coal Cracker	$1,261.36
41	**Boiler 4 and Boiler 5 Tripper**	**$2,522.72**
42	Clean the Boiler 4 and Boiler 5 Tripper	$2,522.72
43	**Coal Conveyors**	**$50,454.40**
44	Clean Conveyors - 5A, 5B, 6, 7, 8, 1, 2, and 3	$25,227.20

Lake Road Common Retirement

ID	Task Name	Cost
45	**Wells**	**$299,000.00**
46	Close 13 Wells	$299,000.00
47	**900 Lb. Steam Header System**	**$5,045.44**
48	Open and Vent the 900 Lb. Steam Header System	$2,522.72
49	Open and Vent the 200 Lb. and 3 Lb. Flash Tanks	$2,522.72
50	**200 Lb. Steam Header System**	**$2,522.72**
51	Open and Vent the 200 Lb. Steam Header System	$2,522.72
52	**Low Side Water Treatment**	**$22,704.48**
53	Open and Clean the Mixing Tanks	$1,261.36
54	Open and Clean the 4 Lime Softeners	$6,306.80
55	Open, Empty and Clean the Carbon Filters (11)	$3,784.08
56	Open, Empty and Clean the Zeolite Filters (4)	$3,784.08
57	Open and Vent the Low Side Deaerator	$1,261.36
58	Open and Vent the Feedwater Storage Tanks (4)	$1,261.36
59	Open and Vent the Desuperheater Storage Tank (1)	$1,261.36
60	Flush the Piping	$3,784.08
61	**Low Side Feedwater System**	**$2,522.72**
62	Open and Vent BFP Suction and Discharge Piping	$1,261.36
63	Open and Vent the Feedwater Heaters	$1,261.36
64	**Post Retirement Closure Activities**	**$26,224.40**
65	Post Retirement Closure Activities	$26,224.40

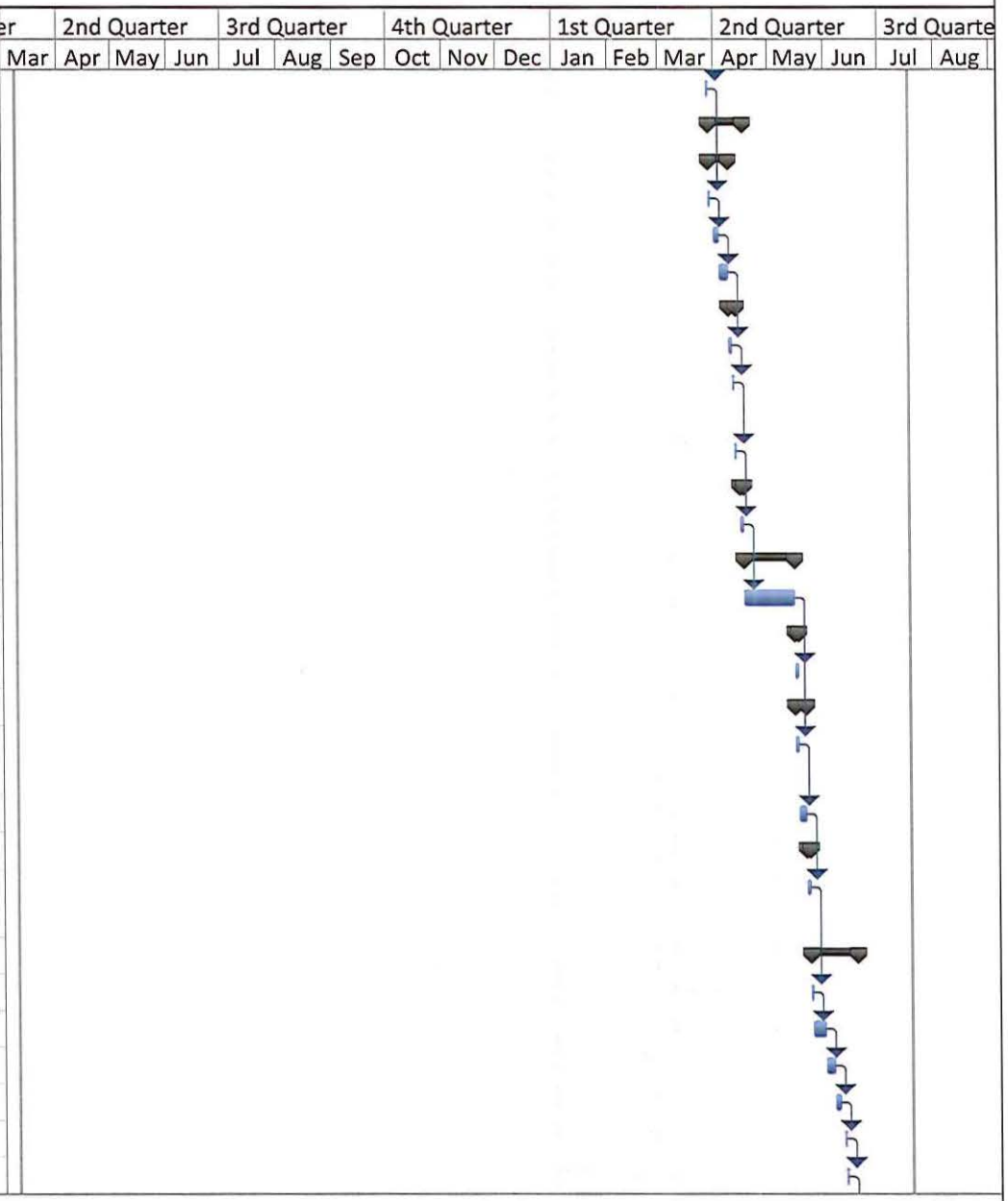
Lake Road Common Retirement

ID	Task Name	Duration
1	**Lake Road Common Retirement**	**142 days**
2	**Pre-Retirement Activities**	**40 days**
3	Permitting Review	20 days
4	Develop Detailed Retirement Plan	20 days
5	**Overheads**	**82 days**
6	**Retirement Overheads**	**82 days**
7	Added Overhead Staff for Common Retirement	82 days
8	**Common Removal Equipment Rental**	**82 days**
9	Common Removal Equipment Rental	82 days
10	**Retirement Activities**	**82 days**
11	**Administration Building**	**5 days**
12	Secure Administration Building	5 days
13	**Fuel Yard Office Building**	**3 days**
14	Secure Fuel Yard Office Building	3 days
15	**Butler Building**	**1 day**
16	Secure Butler Building	1 day
17	**Dozer Building**	**1 day**
18	Secure Dozer Building	1 day
19	**Laboratory**	**4 days**
20	Secure Laboratory	4 days
21	**Guard Shack**	**1 day**
22	Secure Guard Shack	1 day
23	**Gas Metering Station**	**4 days**
24	Isolate Gas Metering Station at the Source	3 days
25	Vent Piping	1 day
26	**Propane Tanks**	**1 day**
27	Open and Vent Propane Tanks	1 day
28	**Non-Potable/Fire Protection Water Tank**	**2 days**
29	Drain and Vent the Non-Potable/Fire Protection Water Tank	2 days
30	**Condensate Storage Tank**	**1 day**



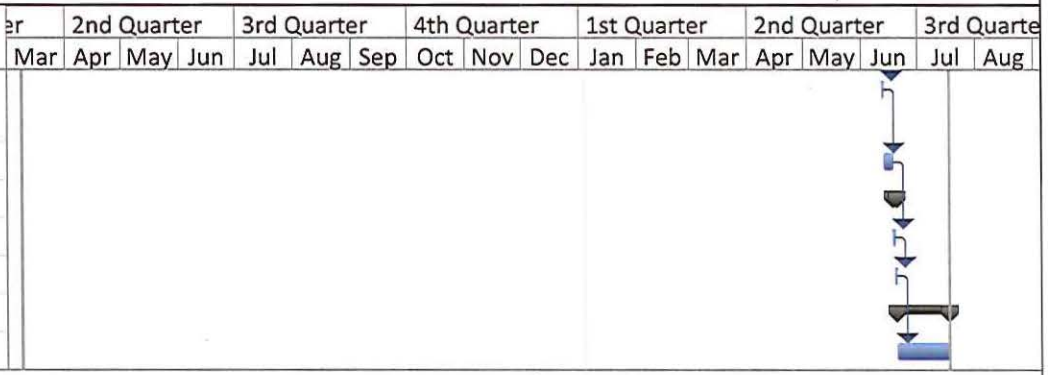
Lake Road Common Retirement

ID	Task Name	Duration
31	Drain and Vent the Condensate Storage Tank	1 day
32	**Fuel Yard**	**13 days**
33	**Car Dumper**	**7 days**
34	Empty Car Track Hoppers	1 day
35	Clean Car Dumper	3 days
36	Empty and Clean Belt Feeders 3A, 3B and	3 days
37	**West Yard Reclaim**	**4 days**
38	Clean West Yard Reclaim Hoppers	2 days
39	Clean the West Yard Reclaim Hopper Vibrating Feeders	1 day
40	Clean the Frozen Coal Cracker	1 day
41	**Boiler 4 and Boiler 5 Tripper**	**2 days**
42	Clean the Boiler 4 and Boiler 5 Tripper	2 days
43	**Coal Conveyors**	**20 days**
44	Clean Conveyors - 5A, 5B, 6, 7, 8, 1, 2, and 3	20 days
45	**Wells**	**2 days**
46	Close 13 Wells	2 days
47	**900 Lb. Steam Header System**	**4 days**
48	Open and Vent the 900 Lb. Steam Header System	2 days
49	Open and Vent the 200 Lb. and 3 Lb. Flash Ta	2 days
50	**200 Lb. Steam Header System**	**2 days**
51	Open and Vent the 200 Lb. Steam Header System	2 days
52	**Low Side Water Treatment**	**18 days**
53	Open and Clean the Mixing Tanks	1 day
54	Open and Clean the 4 Lime Softeners	5 days
55	Open, Empty and Clean the Carbon Filters (1	3 days
56	Open, Empty and Clean the Zeolite Filters (4)	3 days
57	Open and Vent the Low Side Deaerator	1 day
58	Open and Vent the Feedwater Storage Tanks	1 day



Lake Road Common Retirement

ID	Task Name	Duration
59	Open and Vent the Desuperheater Storage Tank (1)	1 day
60	Flush the Piping	3 days
61	**Low Side Feedwater System**	**2 days**
62	Open and Vent BFP Suction and Discharge Pi	1 day
63	Open and Vent the Feedwater Heaters	1 day
64	**Post Retirement Closure Activities**	**20 days**
65	Post Retirement Closure Activities	20 days



Lake Road Common Dismantlement

Owner Additional Costs				
Pre-Dismantlement Activities			$0	
Overhead During Dismantlement			$0	
Owner Costs Total*				$0
Demolition General Contractor (DGC) Costs				
Additional Site Management			$100,346	
Equipment Rental			$489,213	
Consummables			$732,959	
Scrap Crew(s)			$727,292	
Dismantlement			$532,207.	
Contractor Direct Cost*		$2,582,017		
Contractor Allowances				
DGC Insurance	2.00%		$51,640	
Contingency/Profit	15.00%		$395,049	
Performance Bond	2.00%		$60,574	
Contractor Costs Total:				$3,089,280
Total:				$3,089,280
Owner Internal Costs:	5.00%			$154,464
Owner Contingency:	25.00%			$810,936
Lake Road Common Dismantlement Opinion of Probable Cost:				$4,054,680

*Owner Costs Total + Contractor Direct Costs = Manpower Loaded Schedule Total w/o Contractor Allowances
= $2,582,017

Lake Road Common Dismantlement

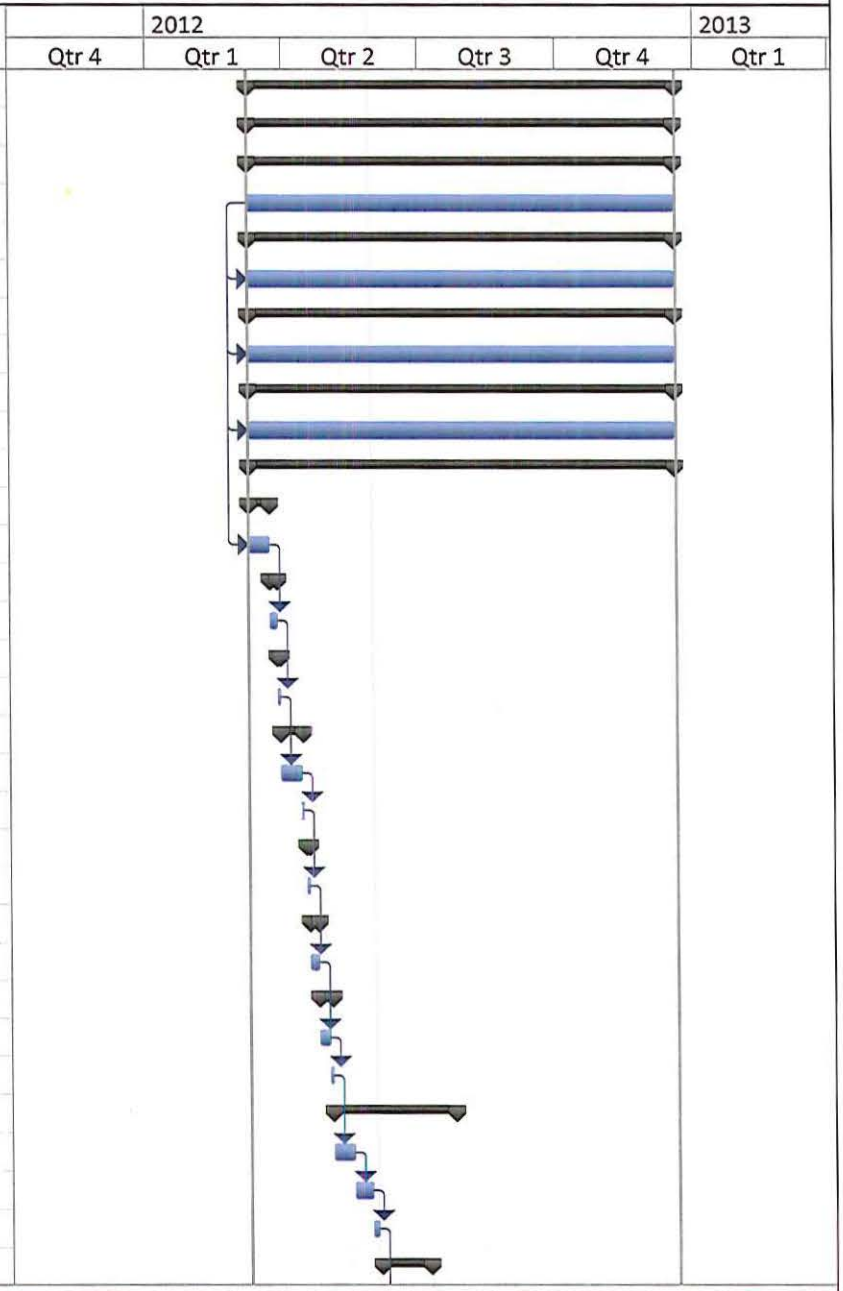
ID	Task Name	Cost
1	**Lake Road Common Dismantlement**	**$2,582,020.72**
2	**Overheads**	**$2,049,812.80**
3	**Common Removal Overheads**	**$100,346.96**
4	Added Overhead Staff for Common Removals	$100,346.96
5	**Common Removal Equipment Rental**	**$489,213.76**
6	Common Removal Equipment Rental	$489,213.76
7	**Demolition Contractor Consummables**	**$732,959.92**
8	Consummables	$732,959.92
9	**Scrap Crew**	**$727,292.16**
10	Crew(s) to Handle Scrap Material	$727,292.16
11	**Dismantlement Activities**	**$532,207.92**
12	**Administration Building**	**$35,827.20**
13	Administration Building	$35,827.20
14	**Fuel Yard Office Building**	**$10,748.16**
15	Remove Fuel Yard Office Building	$10,748.16
16	**Butler Building**	**$7,165.44**
17	Butler Building	$7,165.44
18	**Parking Lots and Plant Roads**	**$39,409.92**
19	Plant Roads and Parking Areas	$35,827.20
20	Guard Shack	$3,582.72
21	**Dozer Building**	**$7,165.44**
22	Dozer Building	$7,165.44
23	**Laboratory**	**$9,286.08**
24	Laboratory	$9,286.08
25	**Fuel Equipment**	**$11,607.60**
26	Remove Propane Tanks and above ground piping	$11,607.60
27	Remove Gas Metering Station and above ground piping	$0.00
28	**Fuel Yard**	**$147,260.16**
29	Remove Car Dumper	$23,215.20
30	Remove West Yard Reclaim	$18,572.16
31	Remove Boiler 4 and Boiler 5 Tripper	$9,286.08
32	**Conveyors**	**$58,038.00**
33	Remove Conveyors - 5A, 5B, 6, 7, 8, 1, 2, and 3	$58,038.00
34	Remove Dust Collectors	$2,321.52
35	Remove Miscellaneous Fuel Yard Equipment	$35,827.20
36	**Underground Circulating Water Piping between Condensers and Intake**	**$39,409.92**
37	Excavate Underground Circulating Water Piping	$10,748.16
38	Collapse Underground Circulating Water Piping	$7,165.44
39	Backfill and Compact Over Circulating Water Piping	$21,496.32
40	**Yard Fire Water Systems**	**$10,748.16**
41	Remove Hydrants and Fire Water System Piping Down to 3' Below Grade	$10,748.16
42	**Low Side Water Treatment**	**$60,359.52**
43	Remove Mixing Tanks	$4,643.04

Lake Road Common Dismantlement

ID	Task Name	Cost
44	Remove 4 Lime Softeners	$4,643.04
45	Remove 11 Carbon Filters	$16,250.64
46	Remove 4 Zeolite Filters	$6,964.56
47	Remove Deaerator	$4,643.04
48	Remove 4 Feedwater Storage Tanks	$9,286.08
49	Remove Desuperheater Storage Tanks	$2,321.52
50	Remove interconnecting piping and equipment	$11,607.60
51	**Low Side Feedwater System**	**$16,250.64**
52	Remove BFP Suction and Discharge Pipe	$2,321.52
53	Remove 3 Boiler Feed Pump/Motor Sets	$9,286.08
54	Remove the Active and Retired Feedwater Heaters	$2,321.52
55	Remove Low Side Sampling System	$2,321.52
56	**Boiler/Turbine Building**	**$23,215.20**
57	Remove the Common Boiler and Turbine Building	$23,215.20
58	**Water Storage Tanks**	**$16,250.64**
59	Remove the Non-Potable/Fire Protection Water Tank	$11,607.60
60	Remove the Condensate Storage Tank	$4,643.04
61	**Steam Header Systems**	**$13,929.12**
62	Remove 900 Lb. Steam Header Piping and Equipment	$11,607.60
63	Remove 200 Lb. Steam Header Piping and Equipment	$2,321.52
64	**Stacks**	**$83,574.72**
65	Remove #6 Stack to Grade	$32,501.28
66	Remove #5 Stack to Grade	$27,858.24
67	Remove #4 Stack to Grade	$23,215.20
68	**Final Site Grading and Drainage**	**$0.00**
69	Final Site Grading and Drainage	$0.00

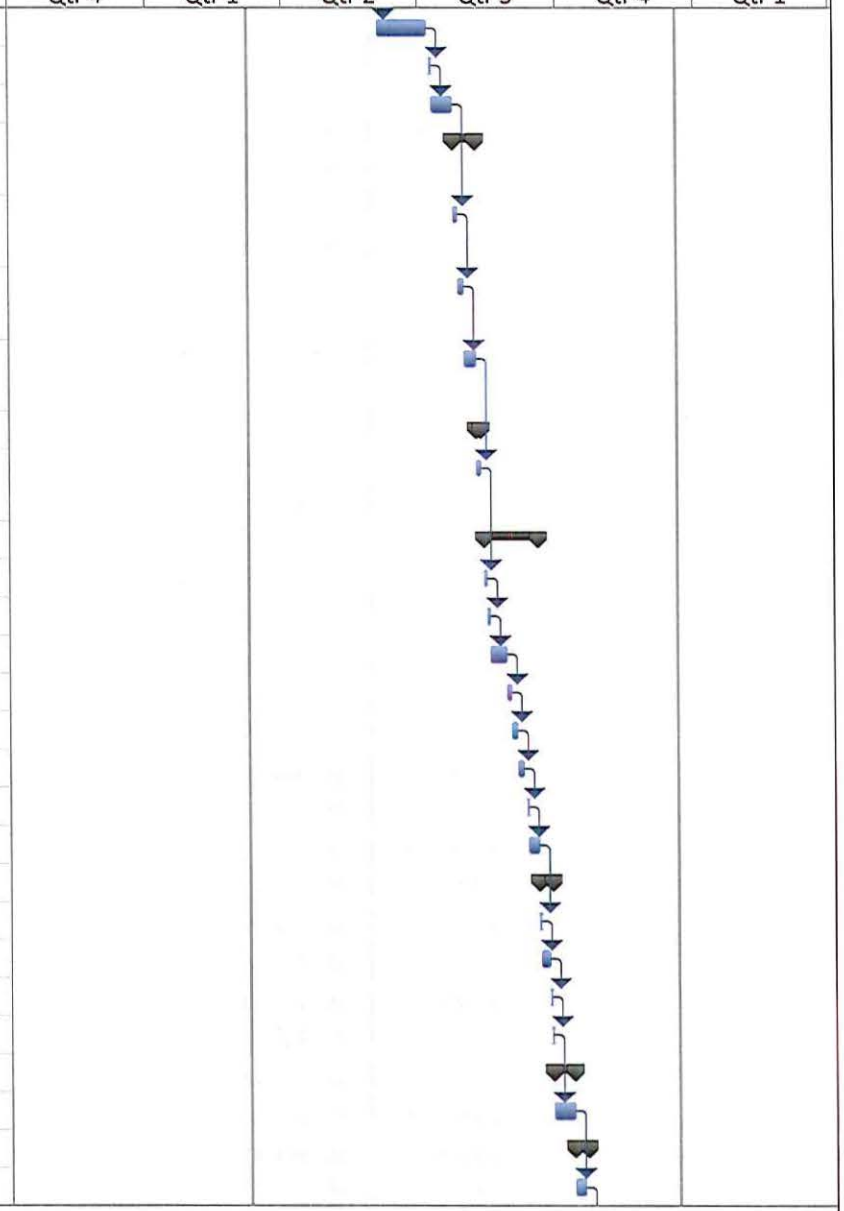
Lake Road Common Dismantlement

ID	Task Name	Duration
1	**Lake Road Common Dismantlement**	**204 days**
2	**Overheads**	**203 days**
3	**Common Removal Overheads**	**203 days**
4	Added Overhead Staff for Common Removals	203 days
5	**Common Removal Equipment Rental**	**203 days**
6	Common Removal Equipment Rental	203 days
7	**Demolition Contractor Consummables**	**203 days**
8	Consummables	203 days
9	**Scrap Crew**	**203 days**
10	Crew(s) to Handle Scrap Material	203 days
11	**Dismantlement Activities**	**203 days**
12	**Administration Building**	**10 days**
13	Administration Building	10 days
14	**Fuel Yard Office Building**	**3 days**
15	Remove Fuel Yard Office Building	3 days
16	**Butler Building**	**2 days**
17	Butler Building	2 days
18	**Parking Lots and Plant Roads**	**11 days**
19	Plant Roads and Parking Areas	10 days
20	Guard Shack	1 day
21	**Dozer Building**	**2 days**
22	Dozer Building	2 days
23	**Laboratory**	**4 days**
24	Laboratory	4 days
25	**Fuel Equipment**	**7 days**
26	Remove Propane Tanks and above ground piping	5 days
27	Remove Gas Metering Station and above ground piping	2 days
28	**Fuel Yard**	**58 days**
29	Remove Car Dumper	10 days
30	Remove West Yard Reclaim	8 days
31	Remove Boiler 4 and Boiler 5 Tripper	4 days
32	**Conveyors**	**25 days**



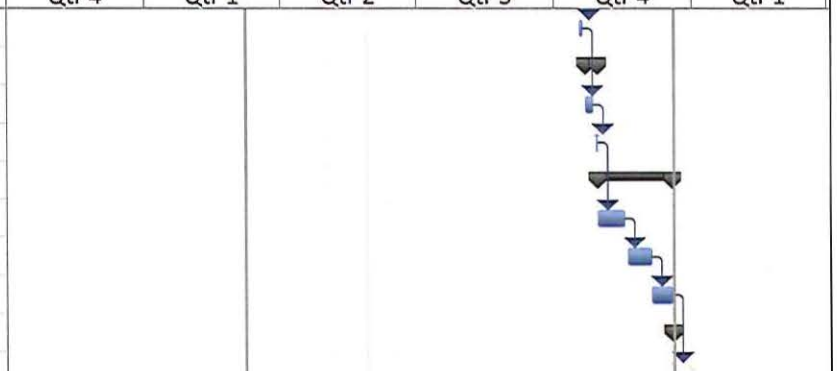
Lake Road Common Dismantlement

ID	Task Name	Duration
33	Remove Conveyors - 5A, 5B, 6, 7, 8, 1, 2, and 3	25 days
34	Remove Dust Collectors	1 day
35	Remove Miscellaneous Fuel Yard Equipment	10 days
36	**Underground Circulating Water Piping between Condensers and Intake and Cooling Towers**	**11 days**
37	Excavate Underground Circulating Water Piping	3 days
38	Collapse Underground Circulating Water Piping	2 days
39	Backfill and Compact Over Circulating Water Piping	6 days
40	**Yard Fire Water Systems**	**3 days**
41	Remove Hydrants and Fire Water System Piping Down to 3' Below Grade	3 days
42	**Low Side Water Treatment**	**26 days**
43	Remove Mixing Tanks	2 days
44	Remove 4 Lime Softeners	2 days
45	Remove 11 Carbon Filters	7 days
46	Remove 4 Zeolite Filters	3 days
47	Remove Deaerator	2 days
48	Remove 4 Feedwater Storage Tanks	4 days
49	Remove Desuperheater Storage Tanks	1 day
50	Remove interconnecting piping and equipment	5 days
51	**Low Side Feedwater System**	**7 days**
52	Remove BFP Suction and Discharge Pipe	1 day
53	Remove 3 Boiler Feed Pump/Motor Sets	4 days
54	Remove the Active and Retired Feedwater Heaters	1 day
55	Remove Low Side Sampling System	1 day
56	**Boiler/Turbine Building**	**10 days**
57	Remove the Common Boiler and Turbine Building	10 days
58	**Water Storage Tanks**	**7 days**
59	Remove the Non-Potable/Fire Protection Water Tank	5 days



Lake Road Common Dismantlement

ID	Task Name	Duration
60	Remove the Condensate Storage Tank	2 days
61	**Steam Header Systems**	**6 days**
62	Remove 900 Lb. Steam Header Piping and Equipment	5 days
63	Remove 200 Lb. Steam Header Piping and Equipment	1 day
64	**Stacks**	**36 days**
65	Remove #6 Stack to Grade	14 days
66	Remove #5 Stack to Grade	12 days
67	Remove #4 Stack to Grade	10 days
68	**Final Site Grading and Drainage**	**1 day**
69	Final Site Grading and Drainage	1 day



IATAN

IATAN STATION

The Iatan Generating Station consists of two coal-fired power plants.

Iatan Unit 1 has an SPP-accredited unit rating of 705 MW and was placed in service in 1980. Unit 1 has a sub-critical Babcock & Wilcox boiler and a General Electric turbine. Missouri River water is used for condenser cooling. Iatan Unit 1 was originally commissioned with a dedicated chimney and an electrostatic precipitator for flue gas particulate removal. In 2009, Iatan Unit 1 was retrofitted with an SCR, baghouse, and wet scrubber. The original electrostatic precipitator and stack were abandoned in place and the flue gas was redirected to a common Iatan Units 1 and 2 chimney with a dedicated Unit 1 flue.

Iatan Unit 2 has an SPP-accredited unit rated of 881 MW and was placed in service in 2010. Unit 2 has a super-critical Alstom boiler and a Toshiba turbine. A cooling tower is used for condenser cooling with well water for cooling tower makeup. Iatan Unit 2 has an SCR, baghouse, and wet scrubber. The flue gas is discharged through a common Iatan Units 1 and 2 chimney with a dedicated Unit 2 flue.

The Iatan fuel yard has a rotary car dumper to unload unit trains of coal. The coal is stored in a common fuel yard. Fuel is reclaimed from the common fuel yard via a stacker reclaimer or a series of reclaim pits and transferred to Units 1 and 2 through a common conveyor system. Coal is transferred from the common conveyor system to dedicated unit conveyors (located near the final coal transfer points for each unit).

Both Iatan Units 1 and 2 have a fuel oil igniter system. Both units are supplied with fuel oil from a common fuel oil unloading and storage facility.

Both Units 1 and 2 have a wet scrubber that utilizes a common reagent preparation and gypsum handling facility. This facility includes a limestone unloading and storage area, a limestone slurry preparation system, a gypsum preparation system, and a gypsum stack-out and storage system.

Both Units 1 and 2 beneficially use coal combustion products off site. Coal combustion products that are not beneficially used off site are disposed of in the on-site landfill.

The following are the major systems and equipment that were included in the retirement and dismantlement of each unit and the major systems and equipment that were considered common (additional details are listed in the attached retirement and dismantlement schedules included in this Appendix).

IATAN UNIT 1

1. Boiler, SCR, and boiler auxiliaries.
2. Turbine, heat balance equipment, and turbine auxiliaries.
3. Precipitator (currently retired in place).
4. Baghouse and wet scrubber.
5. Waste oil system.
6. Dedicated Unit 1 fuel handling equipment.
7. Dedicated Unit 1 fuel oil equipment.
8. Circulating water intake structure, circulating water piping, and circulating water equipment.

IATAN UNIT 2

1. Boiler, SCR, and boiler auxiliaries.
2. Turbine, heat balance equipment, and turbine auxiliaries.
3. Baghouse and wet scrubber.
4. Dedicated Unit 2 fuel handling equipment.
5. Dedicated Unit 2 fuel oil equipment.
6. Cooling tower and wells.

COMMON

1. Administration building.
2. Fuel yard office building.
3. Training building.
4. Warehouses.
5. Maintenance shops.
6. Common fuel handling equipment.
7. Sewage treatment.
8. Fuel oil storage and unloading.
9. Fire water systems.
10. Reagent preparation and gypsum handling.
11. Unit 1 stack (currently retired in place).
12. Units 1 and 2 common stack.
13. Landfill.
14. Clarifiers, clarifier storage tanks, and zero-liquid discharge equipment and auxiliaries.

UNIT 1

Iatan 1 Retirement

Owner Costs			
Pre-Retirement Activities		$100,822	
Retirement Activities		$661,769	
Post-Retirement Activities		$26,564	
Owner Direct Total			$789,155
Owner Internal Costs	5.00%		$39,458
Owner Contingency:	25.00%		$207,153
Iatan 1 Retirement Opinion of Probable Cost:			$1,035,765.41

Activities Required by Permit or Regulation

Iatan 1 Intake Removal	$613,077	
Iatan Unit 1 Ash Pond Closure	$36,357,000	
Activities Required by Permit or Regulation:		$36,970,077

Iatan 1 Retirement		
ID	Task Name	Cost
1	**Iatan 1 Retirement**	**$789,156.31**
2	**Pre-Engineering**	**$100,821.60**
3	Permit review and engineering analysis, establish isolation points, and confirm fuel yard inventory has been reduced to zero tons.	$0.00
4	**KCL&L Overhead Costs**	**$115,245.60**
5	KCP&L Retirement Manager	$115,245.60
6	**Equipment Rentals**	**$39,070.50**
7	Vacuum truck	$39,070.50
8	**Retirement**	**$507,454.61**
9	**Electrical**	**$18,911.68**
10	**Medium and Low Voltage Draw out Switchgear**	**$2,679.84**
11	De-energize all buses at the source.	$446.64
12	Open all circuit breakers.	$446.64
13	Rack all circuit breakers into the fully withdrawn, disconnected position.	$446.64
14	Verify that the closing/tripping springs are discharged.	$446.64
15	De-energize control power and auxiliary power circuits of each circuit breaker at the source and by opening control power circuit breakers or removing fuses in each breaker cubicle.	$893.28
16	**Motor Control Centers**	**$1,786.56**
17	De-energize all buses at the source.	$446.64
18	Open all circuit breakers and disconnect switches.	$446.64
19	Remove all fuses in control circuits.	$893.28
20	**Low-voltage Switchboards and Panelboards**	**$893.28**
21	De-energize all buses at the source.	$446.64
22	Open all circuit breakers and disconnect switches.	$446.64
23	**Oil-Filled Power Transformers**	**$5,549.44**
24	De-energize all transformer primaries and verify that the secondary is de-energized.	$893.28
25	De-energize all low-voltage AC or DC power sources for space heaters, cooling equipment, controls, etc. at the source and open circuit breakers or remove fuses at transformer end.	$893.28
26	Drain and dispose of oil.	$2,642.88
27	Clean up and dispose of oil on surface areas around the transformers on in containment pits.	$1,120.00
28	**Dry-type Power Transformers**	**$1,786.56**
29	De-energize all transformer primaries and verify that the secondary is de-energized.	$893.28
30	De-energize all low-voltage AC or DC power sources for space heaters, cooling equipment, controls, etc. at the source and open circuit breakers or remove fuses at transformer end.	$893.28
31	**Motors**	**$6,216.00**
32	De-energize all primary power at the source.	$1,786.56

Iatan 1 Retirement		
ID	Task Name	Cost
33	De-energize all low-voltage power sources for space heaters or other auxiliary equipment at the source.	$1,786.56
34	Drian lube oil system (if applicable) and dispoe of oil.	$2,642.88
35	**Coal Handling**	**$27,475.44**
36	Empty all transfer hoppers.	$1,704.56
37	Burn out coal silos.	$1,685.44
38	Confirm all fuel lines, conveyors and trippers are clear of fuel.	$1,685.44
39	Perform cleaning of the coal handling equipment to assure that all coal and coal dust has been removed from site.	$22,400.00
40	**Fuel Oil and Igniter System**	**$2,528.16**
41	Drain fuel oil system	$2,528.16
42	**Waste Oil System**	**$1,685.44**
43	Drain all waste oil systems	$1,685.44
44	**Boiler Chemical Feed**	**$1,685.44**
45	Drain all chemical feed tanks.	$1,685.44
46	**Boiler**	**$27,484.77**
47	Open boiler doors.	$880.96
48	Gas side - perform cleaning of the boiler and bottom ash system.	$22,400.00
49	Drain boiler, drum, downcomers and headers.	$842.72
50	Open drum doors.	$880.96
51	Drain and clean the submerged flight conveyor system.	$2,480.13
52	**Stack and Ductwork**	**$326,961.04**
53	Open ductwork doors.	$880.96
54	Perform extensive cleaning of the ductwork.	$11,200.00
55	Place cap over stack opening to keep moisture out.	$314,880.08
56	**Condensate and Feedwater Piping**	**$1,685.44**
57	Drain water from the system.	$842.72
58	Leave open vents and drains.	$842.72
59	**Feedwater heaters**	**$2,528.16**
60	Drain feedwater heaters	$842.72
61	Leave open vents and drains.	$1,685.44
62	**Deaerator and Deaerator Storage Tank**	**$1,685.44**
63	Drain Deaerator and Storage	$842.72
64	Leave open vents and drains.	$842.72
65	**Baghouse**	**$17,351.92**
66	Multiple cleaning cycles for filter bags.	$2,528.16
67	Open all vent and drain lines on bag cleaning air and control air lines. Leave in open position or remove vent valves.	$842.72
68	Remove all filter bags and cages.	$880.96
69	Clear hoppers of all ash	$2,805.44
70	Mechanically secure all compartment dampers and hopper outlet valves in open position.	$880.96
71	Disconnect ash transport piping and washdown baghouse hoppers and interior of casing.	$1,421.84

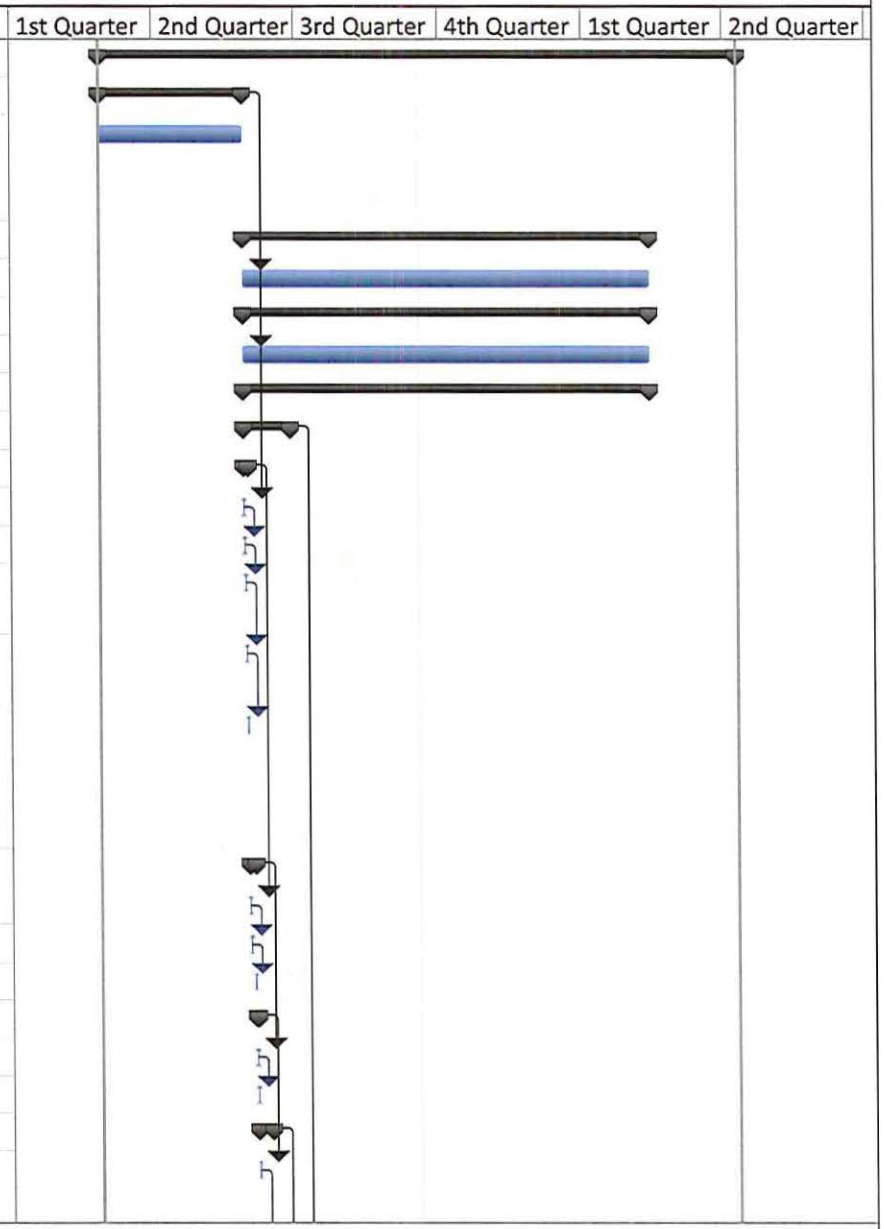
Iatan 1 Retirement		
ID	Task Name	Cost
72	Install bird screens across hopper ash outlet and ash line flanges.	$880.96
73	Padlock or tack weld all hopper doors shut. (note: if ash hopper doors are indoors, they could be removed and the opening covered with bird screens.)	$880.96
74	If walk-in plenum, padlock or tack weld all outlet plenum doors and compartment ventilation dampers shut.	$880.96
75	If top-door plenum, close and secure top doors and remove/disable door lift hoist.	$1,723.68
76	If top-door plenum, establish natural ventilation or maintain HVAC fan to provide minimum air changes per hour in penthouse enclosure.	$945.44
77	Pull electrical supply breakers on all electrical equipment except lighting and HVAC components that are to remain in service.	$2,679.84
78	**Wet FGD system**	**$23,908.00**
79	Multiple mist eliminator wash cycles. Remove ME's from absorber.	$2,145.04
80	Drain and flush all slurry and reclaim water pumps and piping. Leave vent and drain valves open or remove. Install bird screens across drain openings.	$1,723.68
81	Drain and wash out the reaction tank, reagent storage tank, recycle water tank, absorber blowdown tank, etc.	$4,624.08
82	Leave all tank drain valves open or remove. Install bird screens across openings.	$1,761.92
83	Drain all makeup and mist eliminator water pumps and piping. Leave vent and drain valves open or remove. Install bird screens across drain openings.	$2,604.64
84	Mechanically secure all flue gas isolation dampers in open position or remove damper blades.	$1,761.92
85	Remove solids from all inlet and outlet ductwork as necessary	$2,240.00
86	Open all vent station air and control air lines. Leave in open position or remove vent valves	$1,723.68
87	Padlock or tack weld all access doors to modules and ductwork shut.	$1,762.24
88	Remove access doors to open-top tanks.	$880.96
89	Pull electrical supply breakers on all electrical equipment except lighting and HVAC components that are to remain in service.	$2,679.84
90	**FGD Reagent Preparation-Limestone wet Scrubber**	**$10,262.88**
91	Remove limestone from day bins.	$1,402.72
92	Removed cartridges/bags from bin vent filters	$1,402.72
93	Padlock or tack weld all bin access doors shut. (note: if doors are indoors, they could be removed and the opening covered with bird screens.)	$881.12
94	Remove bin discharge isolation valve and install bird screen.	$440.48
95	Thoroughly wash and drain mills	$1,402.72
96	Remove balls from any ball mills	$1,120.00
97	Padlock or tack weld mill access doors closed.	$881.12

Iatan 1 Retirement		
ID	Task Name	Cost
98	Establish natural ventilation or maintain HVAC fan to provide minimum air changes per hour in building.	$945.44
99	Pull electrical supply breakers on all electrical equipment except lighting and HVAC components that are to remain in service.	$1,786.56
100	**FGD Byproduct Dewatering - Hydrocyclones and Vacuum Filters**	**$7,287.12**
101	Wash vacuum filter belt and remove all accumulated solids	$2,240.00
102	Wash out vacuum receiver, remove pressure relief valve and access door. Install bird screens.	$1,421.84
103	Establish natural ventilation or maintain HVAC fan to provide minimum air changes per hour in building.	$945.44
104	Pull electrical supply breakers on all electrical equipment except lighting and HVAC components that are to remain in service.	$2,679.84
105	**SCR**	**$10,054.00**
106	Vacuum fly ash from catalyst.	$2,240.00
107	Remove catalyst of salvage or disposal.	$2,881.92
108	Padlock or tack weld access doors shut.	$880.96
109	Remove ammonia from storage tank for resale.	$701.36
110	Wash out and drain storage tank and supply piping.	$701.36
111	Vent storage tank and all piping. Leave vent and drain valves open or remove. Install bird screens.	$861.84
112	Pull electrical supply breakers on all electrical equipment except lighting and HVAC components that are to remain in service.	$1,786.56
113	**Turbine(s) and Condenser**	**$5,266.64**
114	Drain hotwell and leave doors open.	$861.84
115	Open main turbine doors.	$880.96
116	Open bfp turbine doors.	$880.96
117	Remove lube oil.	$2,642.88
118	**Generator**	**$6,095.76**
119	Verify that generator circuit breaker is open and racked out or that high-voltage disconnect switch on substation side of GSU transformer is locked in the open position.	$446.64
120	Verify that generator field breaker or contactor (if applicable) is open.	$446.64
121	De-energize power supplies to generator excitation system at the source.	$446.64
122	De-energize AC and DC power supplies to generator and exciter space heaters, cooling equipment, controls, lighting, etc. at the source and open circuit breakers or remove fuses at the generator and exciter.	$446.64
123	Drain generator and exciter cooling water systems (if applicable).	$861.84
124	Disconnect and remove hydrogen gas tanks and purge generator hydrogen system.	$1,685.44
125	Disconnect and remove fire protection system gas/foam tanks and purge fire protection system.	$1,761.92
126	**Circulation Water and Turbine Cooling Water System**	**$3,409.12**
127	Drain.	$1,685.44

Iatan 1 Retirement		
ID	Task Name	Cost
128	Open water box doors.	$880.96
129	Drain any circulating water chemical feed tanks.	$842.72
130	**Compressed Air System**	**$2,721.28**
131	Open vents and drains.	$842.72
132	Remove desiccant from desiccant dryers.	$1,878.56
133	**Auxiliary Steam System**	**$1,685.44**
134	Drain water from system.	$842.72
135	Remove aux boiler chemicals.	$842.72
136	**Auxiliary Cooling Water System**	**$842.72**
137	Drain water from system.	$842.72
138	**Condenser Air Extraction and Waterbox Priming System**	**$842.72**
139	Drain water from system.	$842.72
140	**Building Heating System**	**$842.72**
141	Drain water from system.	$842.72
142	**Battery System**	**$4,253.28**
143	De-energize all battery chargers from the source.	$446.64
144	Open all AC and DC circuit breakers and/or fused switches on battery chargers and disconnect cables from batteries.	$446.64
145	Remove and dispose of battery electrolyte.	$1,680.00
146	Remove and dispose of battery cells.	$1,120.00
147	Clean up and dispose of electrolyte on surface areas around batteries.	$560.00
148	**Post Retirement Activities**	**$26,564.00**
149	Post Retirement Activities	$26,564.00

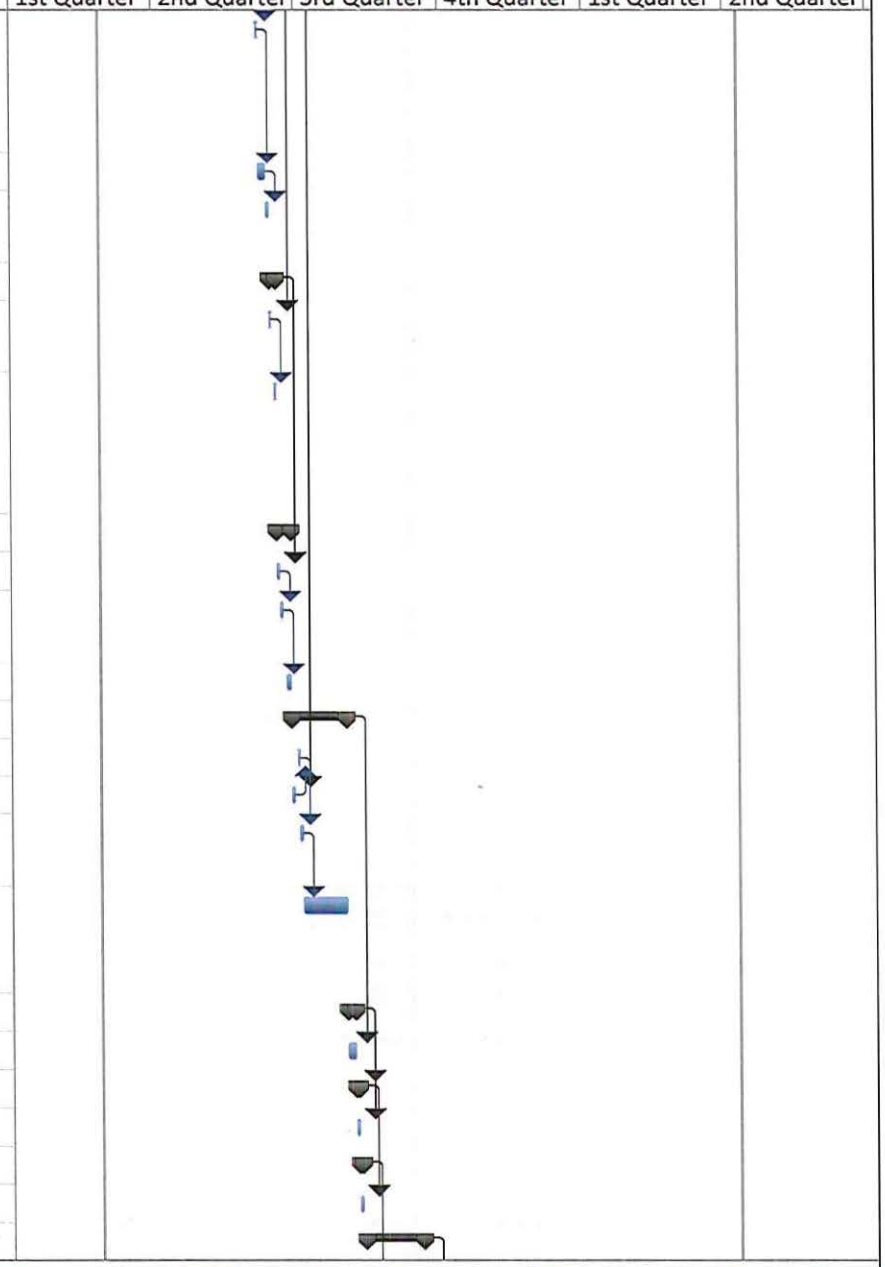
Iatan 1 Retirement

ID	Task Name	Duration
1	**Iatan 1 Retirement**	**292 days**
2	**Pre-Engineering**	**66 days**
3	Permit review and engineering analysis, establish isolation points, and confirm fuel yard inventory has been reduced to zero tons.	66 days
4	**KCL&L Overhead Costs**	**186 days**
5	KCP&L Retirement Manager	186 days
6	**Equipment Rentals**	**186 days**
7	Vacuum truck	186 days
8	**Retirement**	**186 days**
9	**Electrical**	**22 days**
10	**Medium and Low Voltage Draw out Switchgear**	**3 days**
11	De-energize all buses at the source.	0.5 days
12	Open all circuit breakers.	0.5 days
13	Rack all circuit breakers into the fully withdrawn, disconnected position.	0.5 days
14	Verify that the closing/tripping springs are discharged.	0.5 days
15	De-energize control power and auxiliary power circuits of each circuit breaker at the source and by opening control power circuit breakers or removing fuses in each breaker cubicle.	1 day
16	**Motor Control Centers**	**2 days**
17	De-energize all buses at the source.	0.5 days
18	Open all circuit breakers and disconnect switches.	0.5 days
19	Remove all fuses in control circuits.	1 day
20	**Low-voltage Switchboards and Panelboards**	**1 day**
21	De-energize all buses at the source.	0.5 days
22	Open all circuit breakers and disconnect switches.	0.5 days
23	**Oil-Filled Power Transformers**	**7 days**
24	De-energize all transformer primaries and verify that the secondary is de-energized.	1 day



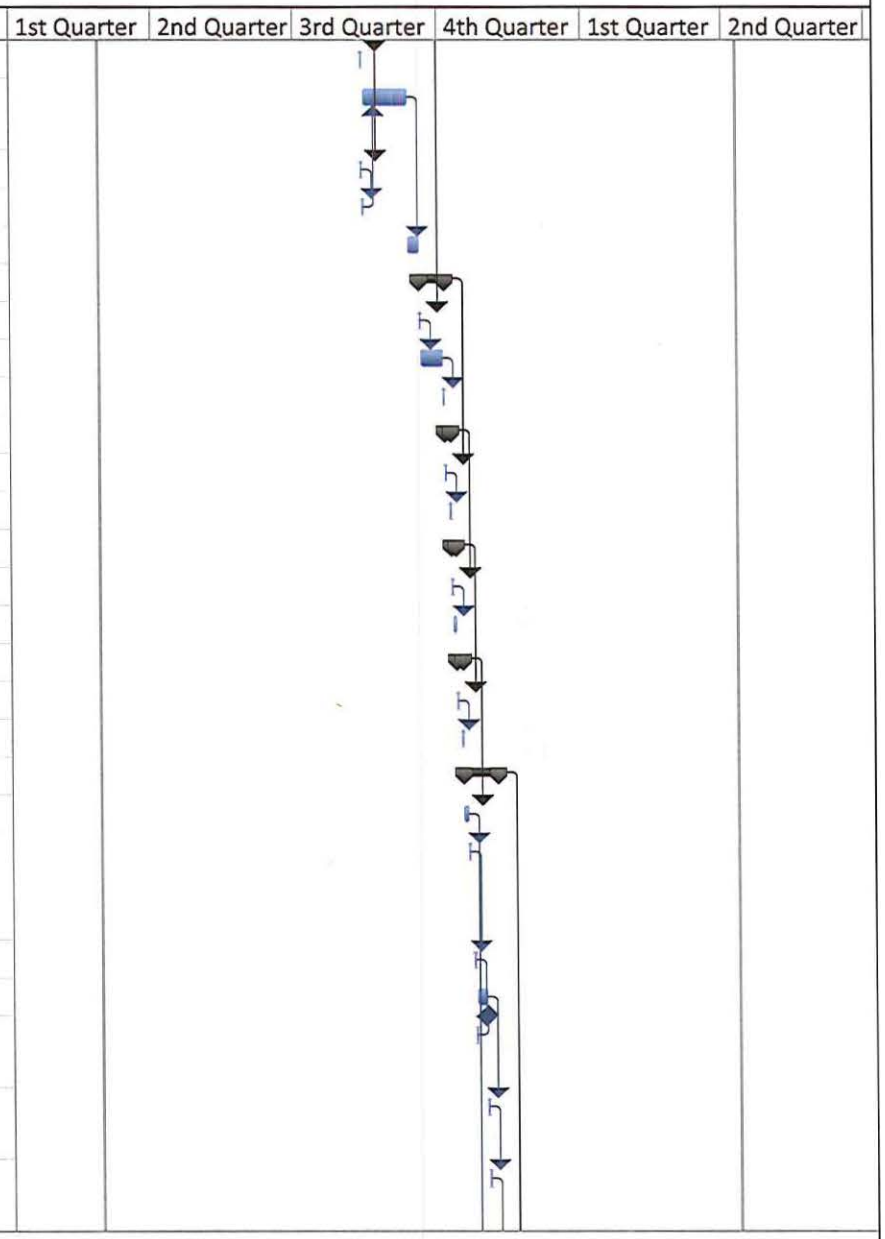
Iatan 1 Retirement

ID	Task Name	Duration
25	De-energize all low-voltage AC or DC power sources for space heaters, cooling equipment, controls, etc. at the source and open circuit breakers or remove fuses at transformer end.	1 day
26	Drain and dispose of oil.	3 days
27	Clean up and dispose of oil on surface areas around the transformers on in containment pits.	2 days
28	**Dry-type Power Transformers**	**2 days**
29	De-energize all transformer primaries and verify that the secondary is de-energized.	1 day
30	De-energize all low-voltage AC or DC power sources for space heaters, cooling equipment, controls, etc. at the source and open circuit breakers or remove fuses at transformer end.	1 day
31	**Motors**	**7 days**
32	De-energize all primary power at the source.	2 days
33	De-energize all low-voltage power sources for space heaters or other auxiliary equipment at the source.	2 days
34	Drian lube oil system (if applicable) and dispoe of oil.	3 days
35	**Coal Handling**	**25 days**
36	Empty all transfer hoppers.	1 day
37	Burn out coal silos.	2 days
38	Confirm all fuel lines, conveyors and trippers are clear of fuel.	2 days
39	Perform cleaning of the coal handling equipment to assure that all coal and coal dust has been removed from site.	20 days
40	**Fuel Oil and Igniter System**	**3 days**
41	Drain fuel oil system	3 days
42	**Waste Oil System**	**2 days**
43	Drain all waste oil systems	2 days
44	**Boiler Chemical Feed**	**2 days**
45	Drain all chemical feed tanks.	2 days
46	**Boiler**	**27 days**



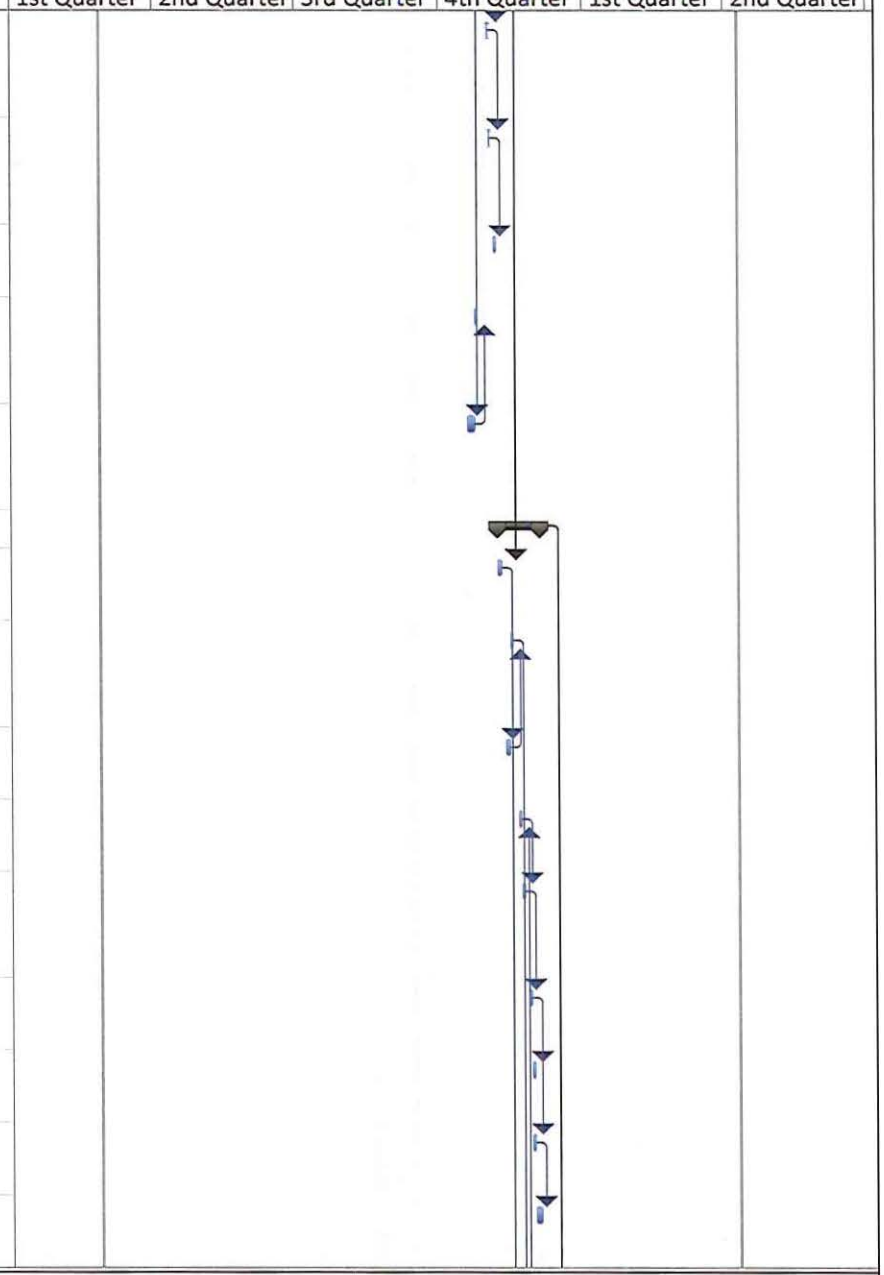
Iatan 1 Retirement

ID	Task Name	Duration
47	Open boiler doors.	1 day
48	Gas side - perform cleaning of the boiler and bottom ash system.	20 days
49	Drain boiler, drum, downcomers and headers.	1 day
50	Open drum doors.	1 day
51	Drain and clean the submerged flight conveyor system.	5 days
52	**Stack and Ductwork**	**12 days**
53	Open ductwork doors.	1 day
54	Perform extensive cleaning of the ductwork.	10 days
55	Place cap over stack opening to keep moisture out.	1 day
56	**Condensate and Feedwater Piping**	**2 days**
57	Drain water from the system.	1 day
58	Leave open vents and drains.	1 day
59	**Feedwater heaters**	**3 days**
60	Drain feedwater heaters	1 day
61	Leave open vents and drains.	2 days
62	**Deaerator and Deaerator Storage Tank**	**2 days**
63	Drain Deaerator and Storage	1 day
64	Leave open vents and drains.	1 day
65	**Baghouse**	**16 days**
66	Multiple cleaning cycles for filter bags.	3 days
67	Open all vent and drain lines on bag cleaning air and control air lines. Leave in open position or remove vent valves.	1 day
68	Remove all filter bags and cages.	1 day
69	Clear hoppers of all ash	4 days
70	Mechanically secure all compartment dampers and hopper outlet valves in open position.	1 day
71	Disconnect ash transport piping and washdown baghouse hoppers and interior of casing.	1 day
72	Install bird screens across hopper ash outlet and ash line flanges.	1 day



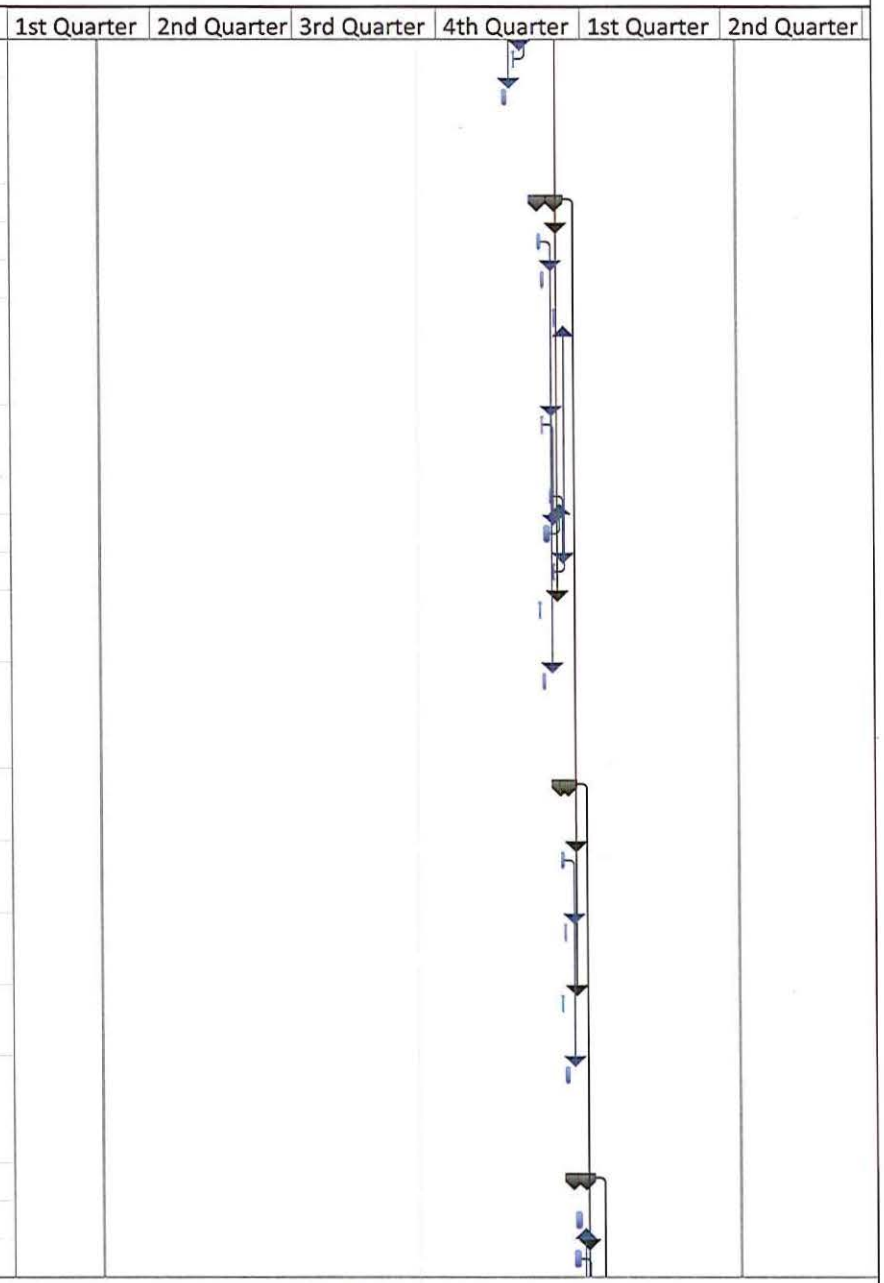
Iatan 1 Retirement

ID	Task Name	Duration
73	Padlock or tack weld all hopper doors shut. (note: if ash hopper doors are indoors, they could be removed and the opening covered with bird screens.)	1 day
74	If walk-in plenum, padlock or tack weld all outlet plenum doors and compartment ventilation dampers shut.	1 day
75	If top-door plenum, close and secure top doors and remove/disable door lift hoist.	2 days
76	If top-door plenum, establish natural ventilation or maintain HVAC fan to provide minimum air changes per hour in penthouse enclosure.	1 day
77	Pull electrical supply breakers on all electrical equipment except lighting and HVAC components that are to remain ir service.	3 days
78	**Wet FGD system**	**19 days**
79	Multiple mist eliminator wash cycles. Remove ME's from absorber.	3 days
80	Drain and flush all slurry and reclaim water pumps and piping. Leave vent and drain valves open or remove. Install bird screens across drain openings.	2 days
81	Drain and wash out the reaction tank, reagent storage tank, recycle water tank, absorber blowdown tank, etc.	3 days
82	Leave all tank drain valves open or remove. Install bird screens across openings.	2 days
83	Drain all makeup and mist eliminator water pumps and piping. Leave vent and drain valves open or remove. Install bird screens across drain openings.	2 days
84	Mechanically secure all flue gas isolation dampers in open position or remove damper blades.	2 days
85	Remove solids from all inlet and outlet ductwork as necessary	2 days
86	Open all vent station air and control air lines. Leave in open position or remove vent valves	2 days
87	Padlock or tack weld all access doors to modules and ductwork shut.	2 days



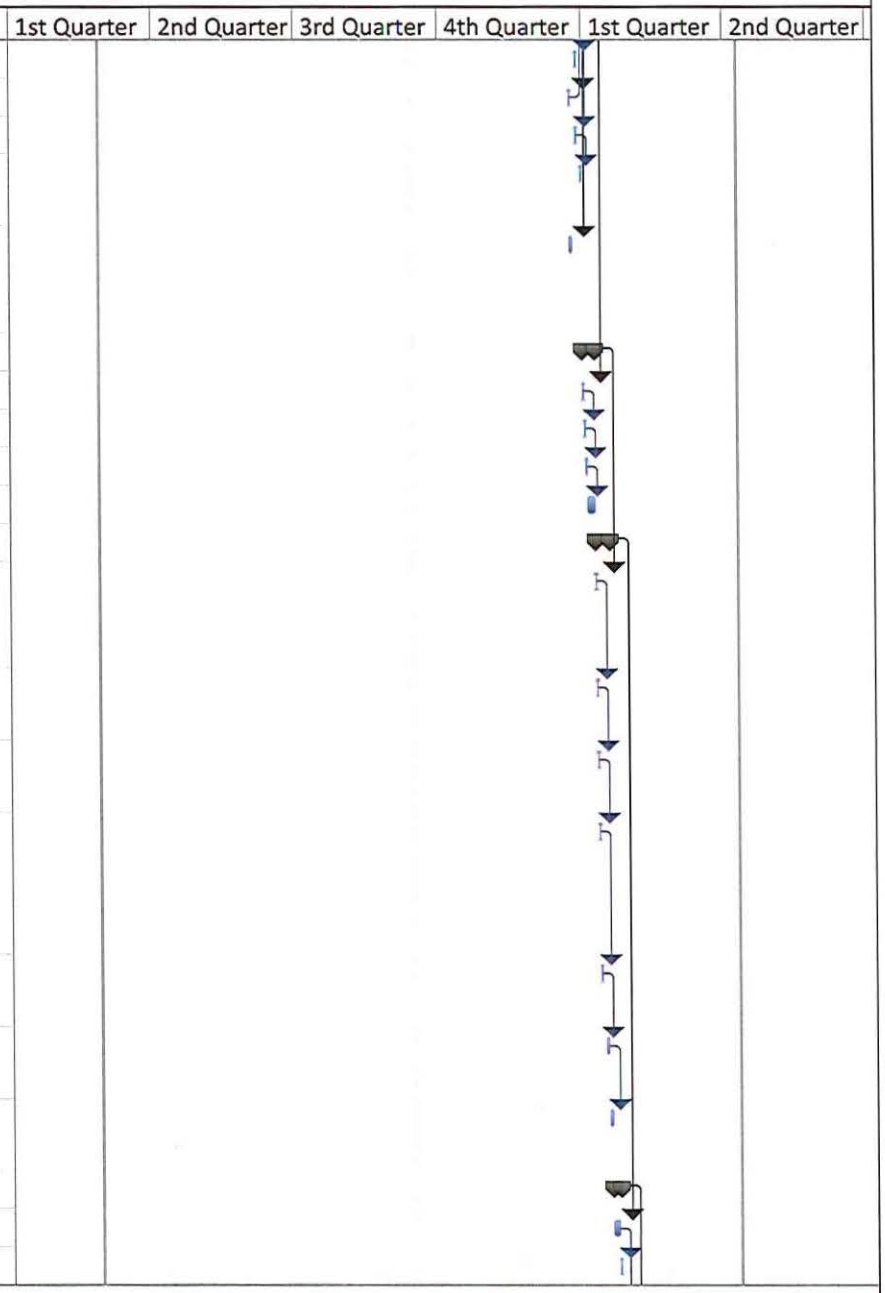
Iatan 1 Retirement

ID	Task Name	Duration
88	Remove access doors to open-top tanks.	1 day
89	Pull electrical supply breakers on all electrical equipment except lighting and HVAC components that are to remain ir service.	3 days
90	**FGD Reagent Preparation-Limestone wet Scrubber**	**9 days**
91	Remove limestone from day bins.	2 days
92	Removed cartridges/bags from bin vent filters	2 days
93	Padlock or tack weld all bin access doors shut. (note: if doors are indoors, they could be removed and the opening covered with bird screens.)	1 day
94	Remove bin discharge isolation valve and install bird screen.	1 day
95	Thoroughly wash and drain mills	2 days
96	Remove balls from any ball mills	2 days
97	Padlock or tack weld mill access doors closed.	1 day
98	Establish natural ventilation or maintain HVAC fan to provide minimum air changes per hour in building.	1 day
99	Pull electrical supply breakers on all electrical equipment except lighting and HVAC components that are to remain ir service.	2 days
100	**FGD Byproduct Dewatering - Hydrocyclones and Vacuum Filters**	**5 days**
101	Wash vacuum filter belt and remove all accumulated solids	2 days
102	Wash out vacuum receiver, remove pressure relief valve and access door. Install bird screens.	1 day
103	Establish natural ventilation or maintain HVAC fan to provide minimum air changes per hour in building.	1 day
104	Pull electrical supply breakers on all electrical equipment except lighting and HVAC components that are to remain ir service.	3 days
105	**SCR**	**6 days**
106	Vacuum fly ash from catalyst.	4 days
107	Remove catalyst of salvage or disposal.	4 days



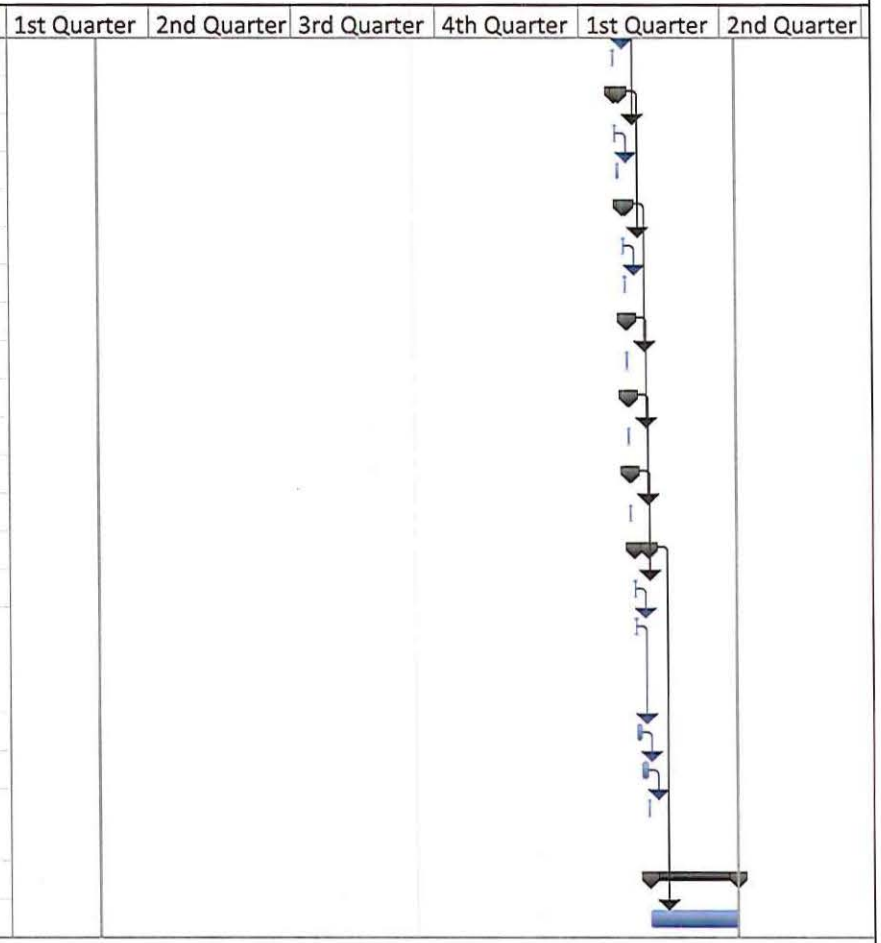
Iatan 1 Retirement

ID	Task Name	Duration
108	Padlock or tack weld access doors shut.	1 day
109	Remove ammonia from storage tank for resale.	1 day
110	Wash out and drain storage tank and supply piping.	1 day
111	Vent storage tank and all piping. Leave vent and drain valves open or remove. Install bird screens.	1 day
112	Pull electrical supply breakers on all electrical equipment except lighting and HVAC components that are to remain ir service.	2 days
113	**Turbine(s) and Condenser**	**6 days**
114	Drain hotwell and leave doors open.	1 day
115	Open main turbine doors.	1 day
116	Open bfp turbine doors.	1 day
117	Remove lube oil.	3 days
118	**Generator**	**7 days**
119	Verify that generator circuit breaker is open and racked out or that high-voltage disconnect switch on substation side of GSU transformer is locked in the open position.	0.5 days
120	Verify that generator field breaker or contactor (if applicable) is open.	0.5 days
121	De-energize power supplies to generator excitation system at the source.	0.5 days
122	De-energize AC and DC power supplies to generator and exciter space heaters, cooling equipment, controls, lighting, etc. at the source and open circuit breakers or remove fuses at the generator and exciter.	0.5 days
123	Drain generator and exciter cooling water systems (if applicable).	1 day
124	Disconnect and remove hydrogen gas tanks and purge generator hydrogen system.	2 days
125	Disconnect and remove fire protection system gas/foam tanks and purge fire protection system.	2 days
126	**Circulation Water and Turbine Cooling Water System**	**3 days**
127	Drain.	2 days
128	Open water box doors.	1 day



Iatan 1 Retirement

ID	Task Name	Duration
129	Drain any circulating water chemical feed tanks.	1 day
130	**Compressed Air System**	**3 days**
131	Open vents and drains.	1 day
132	Remove desiccant from desiccant dryers.	2 days
133	**Auxiliary Steam System**	**2 days**
134	Drain water from system.	1 day
135	Remove aux boiler chemicals.	1 day
136	**Auxiliary Cooling Water System**	**1 day**
137	Drain water from system.	1 day
138	**Condenser Air Extraction and Waterbox Priming System**	**1 day**
139	Drain water from system.	1 day
140	**Building Heating System**	**1 day**
141	Drain water from system.	1 day
142	**Battery System**	**7 days**
143	De-energize all battery chargers from the source.	0.5 days
144	Open all AC and DC circuit breakers and/or fused switches on battery chargers and disconnect cables from batteries.	0.5 days
145	Remove and dispose of battery electrolyte.	3 days
146	Remove and dispose of battery cells.	2 days
147	Clean up and dispose of electrolyte on surface areas around batteries.	1 day
148	**Post Retirement Activities**	**40 days**
149	Post Retirement Activities	40 days



Iatan 1 Dismantlement

Owner Costs				
Pre-Dismantlement Activities			$892,760	
Overhead During Dismantlement			$1,676,621	
Post-Dismantlement Activities			$65,520	
Owner Costs Total*				$2,634,901
Demolition General Contractor (DGC) Costs				
Site Management			$1,255,135	
Equipment Rental			$2,172,838	
Consummables			$2,371,947	
Scrap Crew(s)			$2,149,631	
Dismantlement			$5,143,375	
Contractor Direct Cost*		$13,092,926		
Contractor Allowances				
DGC Insurance	2.00%		$261,859	
Contingency/Profit	15.00%		$2,003,218	
Performance Bond	2.00%		$307,160.04	
Contractor Costs Total:				$15,665,162
Total:				$18,300,063
Owner Internal Costs:	5.00%			$915,003
Owner Contingency:	25.00%			$4,803,767
Iatan Unit 1 Dismantlement Opinion of Probable Cost:				$24,018,833

*Owner Costs Total + Contractor Direct Costs = Manpower Loaded Schedule Total w/o Contractor Allowances
= $15,727,827

Iatan 1 Dismantlement

ID	Task Name	Cost
1	**Iatan Unit 1 Dismantlement**	**$12,345,531.67**
2	**Pre-Demolition Activities**	**$892,760.32**
3	Detailed Planning & Hire Owner's Engineer	$104,441.28
4	Detailed Site Characterization Study	$610,335.44
5	Hire Demolition General Contractor	$167,184.00
6	KCP&L Prepares Unit for Dismantlement	$10,799.60
7	Demolition Contractor Mobilizes on Site	$0.00
8	**KCP&L Overhead during Dismantlement**	**$1,676,621.54**
9	KCP&L Project Manager	$266,427.98
10	KCP&L Administrative Support	$98,521.59
11	KCP&L Engineer	$437,911.97
12	Owners Engineer Project Manager	$130,720.00
13	Owners Engineer - Engineer	$743,040.00
14	**Demoliton Contractor Overhead during Dismantlement**	**$913,939.13**
15	Demolition Contractor Project Manager	$258,584.78
16	Demolition Contractor Safety Manager	$230,239.18
17	Demolition Contractor Superintendent	$425,115.17
18	**Demolition Contractor Equipment Rental Costs**	**$1,556,187.08**
19	Equipment Rental	$1,556,187.08
20	**Demolition Contractor Consummables**	**$1,552,575.20**
21	Consummables	$1,552,575.20
22	**Scrap Crew**	**$1,540,569.60**
23	Crew to Handle Scrap Material(s)	$1,540,569.60
24	**Dismantlement**	**$4,147,358.80**
25	**Phase 1 Demolition**	**$957,905.44**
26	**Phase 1 Electrical Demolition**	**$342,149.76**
27	Electrical Demolition of Phase 1 Equipment	$342,149.76
28	**Condensate System**	**$105,690.24**
29	Condensate Pumps	$3,582.72
30	Condensate Transfer Pumps	$1,791.36
31	Cycle Make-Up Pump	$1,791.36
32	Steam Packing Exhauster and Blower	$3,582.72
33	Low Pressure Heaters (except the condenser neck heat exchangers)	$53,740.80
34	Deaerator	$14,330.88
35	Deaerator Storage Tank	$8,956.80
36	Condensate Piping	$17,913.60
37	**Boiler Feed System**	**$67,816.96**
38	Boiler Feed Pump Turbine and Exhaust	$14,076.16
39	Boiler Feed Pump	$17,913.60
40	High Pressure Heaters	$35,827.20
41	**Critical Piping**	**$80,611.20**
42	Main Steam Piping	$26,870.40
43	Cold Reheat Piping	$26,870.40

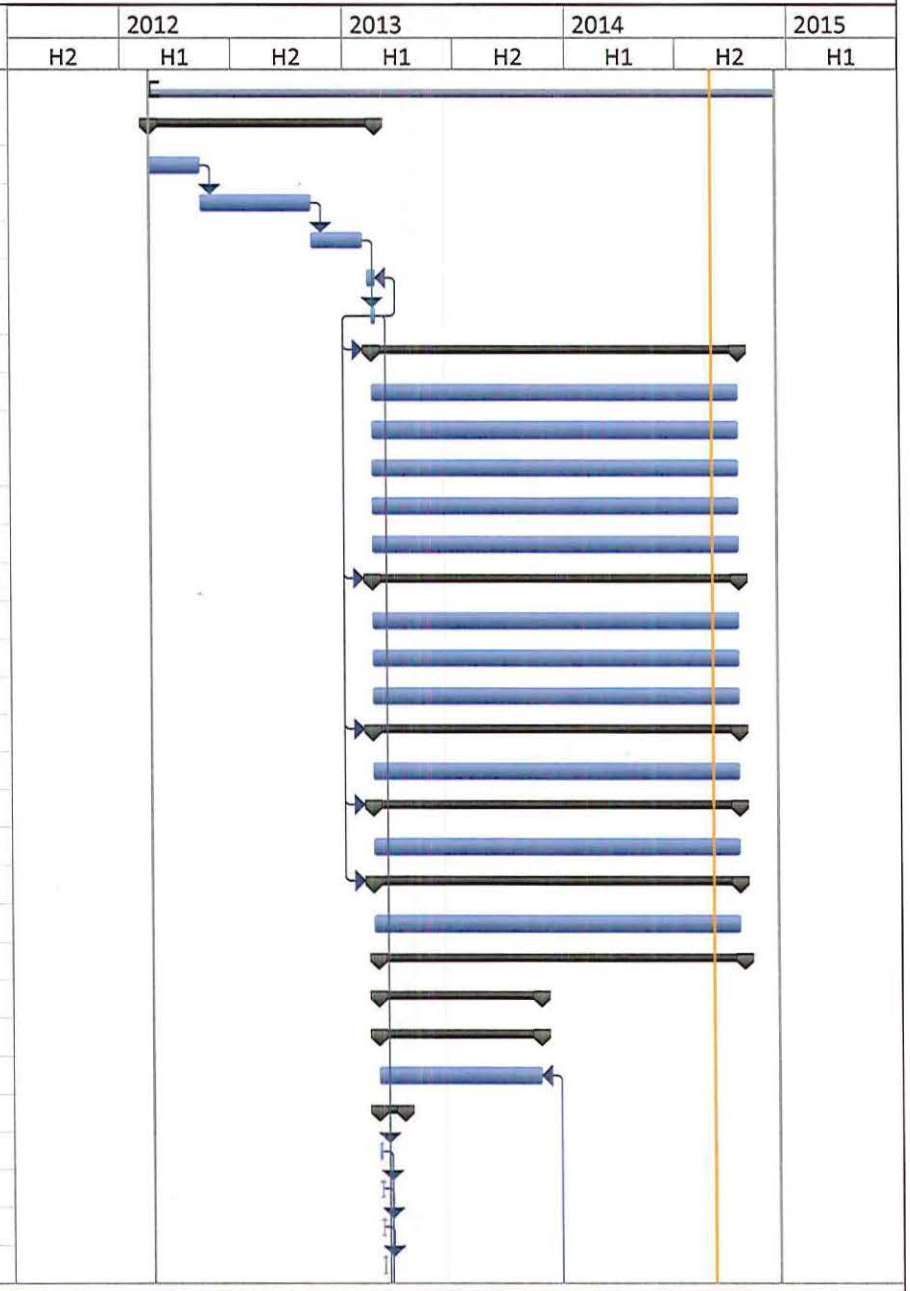
Iatan 1 Dismantlement		
ID	Task Name	Cost
44	Hot Reheat Piping	$26,870.40
45	**Extraction Steam System**	**$17,913.60**
46	Piping	$17,913.60
47	**Heater Drips**	**$14,330.88**
48	Piping	$14,330.88
49	**Auxiliary Steam**	**$25,079.04**
50	Auxiliary Boilers and Auxiliary Skids	$8,956.80
51	Auxiliary Steam Piping	$16,122.24
52	**Circulating Water (plant side)**	**$8,956.80**
53	Waterboxes	$8,956.80
54	**Bearing Cooling Water**	**$30,453.12**
55	Bearing Cooling Water Pumps	$3,582.72
56	Bearing Cooling Water Heat Exchanger	$8,956.80
57	Bearing Cooling Water Piping	$17,913.60
58	**Auxiliary Cooling Water**	**$28,661.76**
59	Auxiliary Cooling Water Heat Exchanger	$5,374.08
60	Auxiliary Cooling Water Pumps	$5,374.08
61	Auxiliary Cooling Water Piping	$17,913.60
62	**Service Water**	**$8,956.80**
63	Service Water Piping	$8,956.80
64	**Fuel Oil System (plant side)**	**$41,201.28**
65	Igniter Fuel Oil Pumps	$5,374.08
66	Igniter Fuel Oil and Atomizing Air Piping	$8,956.80
67	Igniters	$26,870.40
68	**Waste Oil System**	**$12,539.52**
69	Waste Oil Tank	$3,582.72
70	Waste Oil Transfer Pump	$3,582.72
71	Waste Oil Piping	$5,374.08
72	**Air Preheat System**	**$10,236.64**
73	Air Preheat Pumps	$3,582.72
74	Air Preheat Piping	$6,653.92
75	**Condenser Air Extraction System**	**$10,748.16**
76	Vacuum Pumps	$7,165.44
77	Extraction Piping	$3,582.72
78	**Turbine Seals and Drains**	**$12,539.52**
79	Piping	$12,539.52
80	**Turbine Lube Oil System**	**$20,363.52**
81	Turbine Lube Oil Tank	$11,406.72
82	Turbine Lube Oil Pumps	$7,165.44
83	Turbine Oil Mist Eliminator	$1,791.36
84	**Generator Auxiliary Systems**	**$32,244.48**
85	Hydrogen Cooler Skid and Piping	$8,956.80
86	Stator Cooling Water Skid and Piping	$8,956.80
87	Isophase Bus Duct	$7,165.44

Iatan 1 Dismantlement		
ID	Task Name	Cost
88	Exciter Heat Exchanger	$3,582.72
89	EHC Coolers	$3,582.72
90	**Chemical Feed Systems**	**$19,303.20**
91	Tanks	$8,555.04
92	Pumps	$5,374.08
93	Piping	$5,374.08
94	**Sampling Systems**	**$6,434.40**
95	Field Mounted Heat Exchangers	$3,582.72
96	Piping	$2,851.68
97	**Building Heating Systems**	**$13,307.84**
98	Steam Unit Heaters	$9,505.60
99	Steam Piping	$3,802.24
100	**Compressed Air System**	**$26,870.40**
101	Air Compressors	$7,165.44
102	Air Drying Equipment	$5,374.08
103	Air Reciever Tanks	$5,374.08
104	Compressed Air Piping	$8,956.80
105	**Miscellaneous Equipment**	**$21,496.32**
106	Miscellaneous Equipment (including Fire Protection)	$21,496.32
107	**Phase 2 Demolition**	**$2,929,157.36**
108	**Precipitator**	**$107,481.60**
109	Remove Precipitator	$107,481.60
110	**Boiler Equipment**	**$732,490.24**
111	Fans	$63,246.40
112	Pulverizers	$71,654.40
113	Bottom Ash	$16,451.52
114	Air Heater	$200,632.32
115	Steam Drum	$89,568.00
116	Coal Bunkers	$71,654.40
117	Coal Feeders	$46,575.36
118	Soot Blowers	$50,895.36
119	Ductwork	$100,316.16
120	Miscellaneous Other	$21,496.32
121	**Boiler Removal**	**$401,264.64**
122	Furnace	$229,294.08
123	Back Pass	$171,970.56
124	**Boiler Steel Framing**	**$723,709.44**
125	Hanger Girders at Top	$107,481.60
126	All Other Framing	$336,775.68
127	Bracing and Girts	$164,805.12
128	Columns	$114,647.04
129	**Boiler Foundations**	**$128,977.92**
130	Equipment Foundation Demolition to Grade	$128,977.92
131	**Remove Turbine**	**$835,233.52**

Iatan 1 Dismantlement		
ID	Task Name	Cost
132	Remove HP Turbine	$26,321.60
133	Remove IP Turbine	$26,321.60
134	Remove LP Turbine	$26,321.60
135	Remove Generator	$52,643.20
136	Remove Condenser Neck Heat Exchanger	$26,321.60
137	Remove Condenser	$26,321.60
138	Remove Misc. Auxiliary Turbine Equipment	$39,482.40
139	**Turbine Pedestal Demolition to Grade**	**$268,480.32**
140	Top Slab and Beams	$105,286.40
141	Columns	$163,193.92
142	**Remove Turbine Building**	**$343,019.60**
143	Siding and Rooding	$108,682.80
144	All Framing Elevations	$157,929.60
145	Bracing and Girts	$52,643.20
146	Columns	$23,764.00
147	**Phase 3 Yard Demolition**	**$260,296.00**
148	**Circulating Water Pipe (yard)**	**$71,654.40**
149	Excavate Circulating Water Pipe	$17,913.60
150	Collapse Circulating Water Pipe	$35,827.20
151	Backfill Circulating Water Pipe	$17,913.60
152	**Remove Ash Handling Equipment and Piping**	**$35,827.20**
153	Remove Fly-Ash Silo and Scale	$26,870.40
154	Remove Ash Piping and Misc. Equipment	$8,956.80
155	Remove Laydown Equipment and Warehoused Equipment	$71,654.40
156	Remove Unit 1 Condensate Storage Tank and Pump	$9,505.60
157	Remove Unit 1 Make-Up Water Storage Tank	$17,913.60
158	Remove Unit 1 Water Treatment Equipment and Building	$53,740.80
159	**Post Dismantlement Activities**	**$65,520.00**
160	Post Dismantlement Activities	$65,520.00

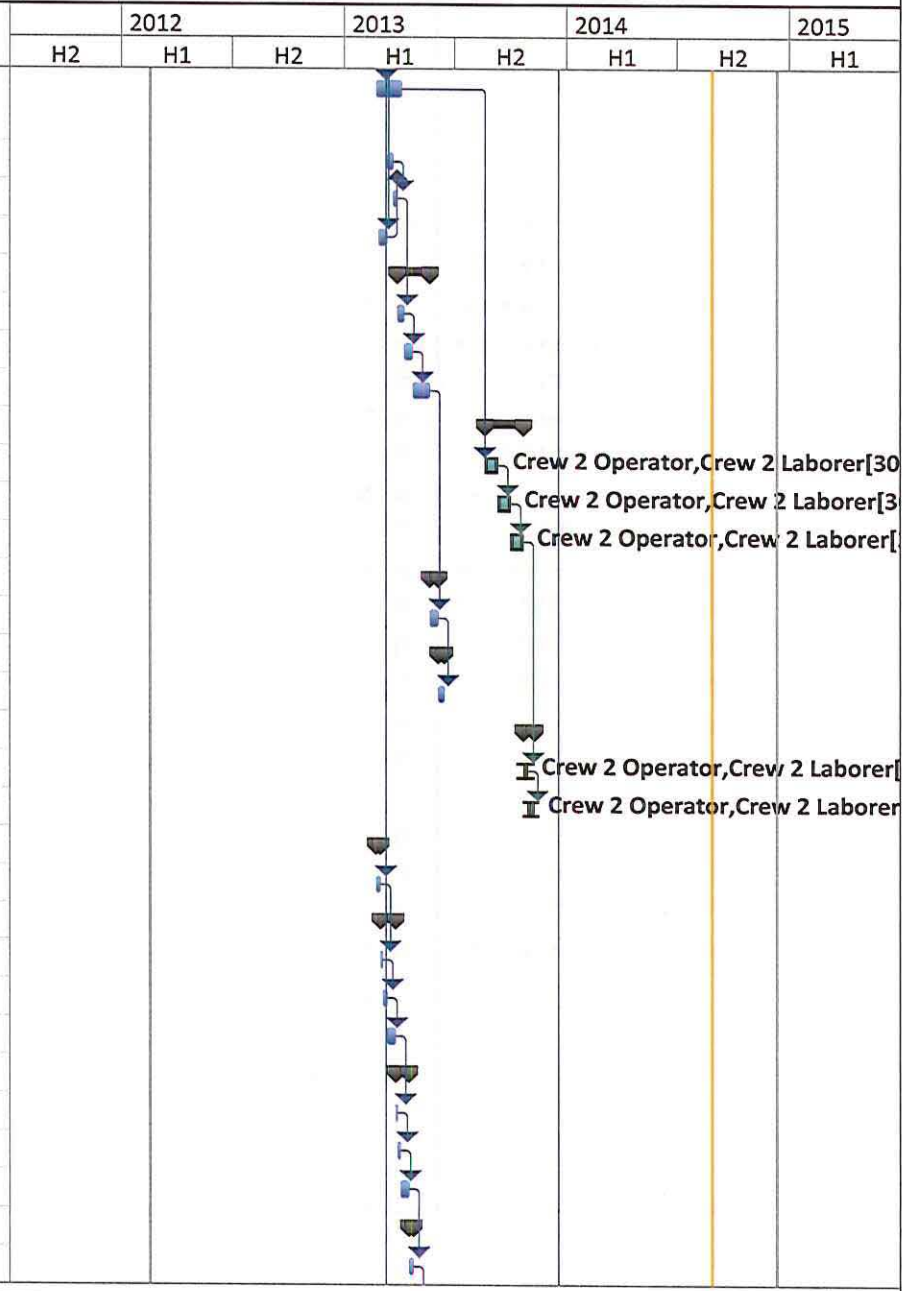
Iatan 1 Dismantlement

ID	Task Name	Duration
1	**Iatan Unit 1 Dismantlement**	
2	**Pre-Demolition Activities**	**265 days**
3	Detailed Planning & Hire Owner's Engineer	3 mons
4	Detailed Site Characterization Study	130 days
5	Hire Demolition General Contractor	3 mons
6	KCP&L Prepares Unit for Dismantlement	2 wks
7	Demolition Contractor Mobilizes on Site	5 days
8	**KCP&L Overhead during Dismantlement**	**430 days**
9	KCP&L Project Manager	430 days
10	KCP&L Administrative Support	430 days
11	KCP&L Engineer	430 days
12	Owners Engineer Project Manager	430 days
13	Owners Engineer - Engineer	430 days
14	**Demoliton Contractor Overhead during Dismantlement**	**430 days**
15	Demolition Contractor Project Manager	430 days
16	Demolition Contractor Safety Manager	430 days
17	Demolition Contractor Superintendent	430 days
18	**Demolition Contractor Equipment Rental Costs**	**430 days**
19	Equipment Rental	430 days
20	**Demolition Contractor Consummables**	**430 days**
21	Consummables	430 days
22	**Scrap Crew**	**430 days**
23	Crew to Handle Scrap Material(s)	430 days
24	**Dismantlement**	**430 days?**
25	**Phase 1 Demolition**	**191 days?**
26	**Phase 1 Electrical Demolition**	**191 days**
27	Electrical Demolition of Phase 1 Equipment	191 days
28	**Condensate System**	**30 days**
29	Condensate Pumps	2 days
30	Condensate Transfer Pumps	1 day
31	Cycle Make-Up Pump	1 day
32	Steam Packing Exhauster and Blower	2 days



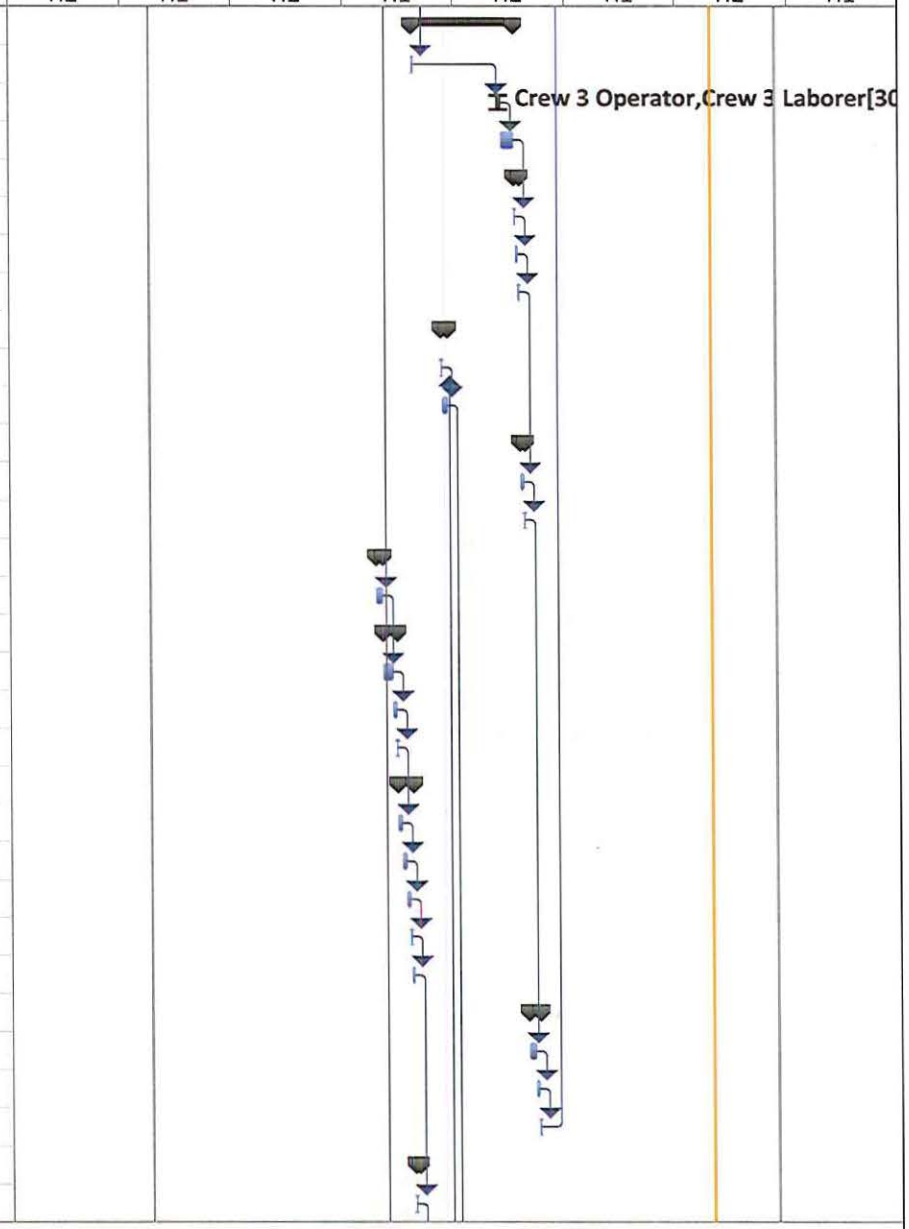
Iatan 1 Dismantlement

ID	Task Name	Duration
33	Low Pressure Heaters (except the condenser neck heat exchangers)	30 days
34	Deaerator	8 days
35	Deaerator Storage Tank	5 days
36	Condensate Piping	10 days
37	**Boiler Feed System**	**37 days**
38	Boiler Feed Pump Turbine and Exhaust	7 days
39	Boiler Feed Pump	10 days
40	High Pressure Heaters	20 days
41	**Critical Piping**	**45 days**
42	Main Steam Piping	15 days
43	Cold Reheat Piping	15 days
44	Hot Reheat Piping	15 days
45	**Extraction Steam System**	**10 days**
46	Piping	10 days
47	**Heater Drips**	**8 days**
48	Piping	8 days
49	**Auxiliary Steam**	**14 days**
50	Auxiliary Boilers and Auxiliary Skids	5 days
51	Auxiliary Steam Piping	9 days
52	**Circulating Water (plant side)**	**5 days**
53	Waterboxes	5 days
54	**Bearing Cooling Water**	**17 days**
55	Bearing Cooling Water Pumps	2 days
56	Bearing Cooling Water Heat Exchanger	5 days
57	Bearing Cooling Water Piping	10 days
58	**Auxiliary Cooling Water**	**16 days**
59	Auxiliary Cooling Water Heat Exchanger	3 days
60	Auxiliary Cooling Water Pumps	3 days
61	Auxiliary Cooling Water Piping	10 days
62	**Service Water**	**5 days**
63	Service Water Piping	5 days



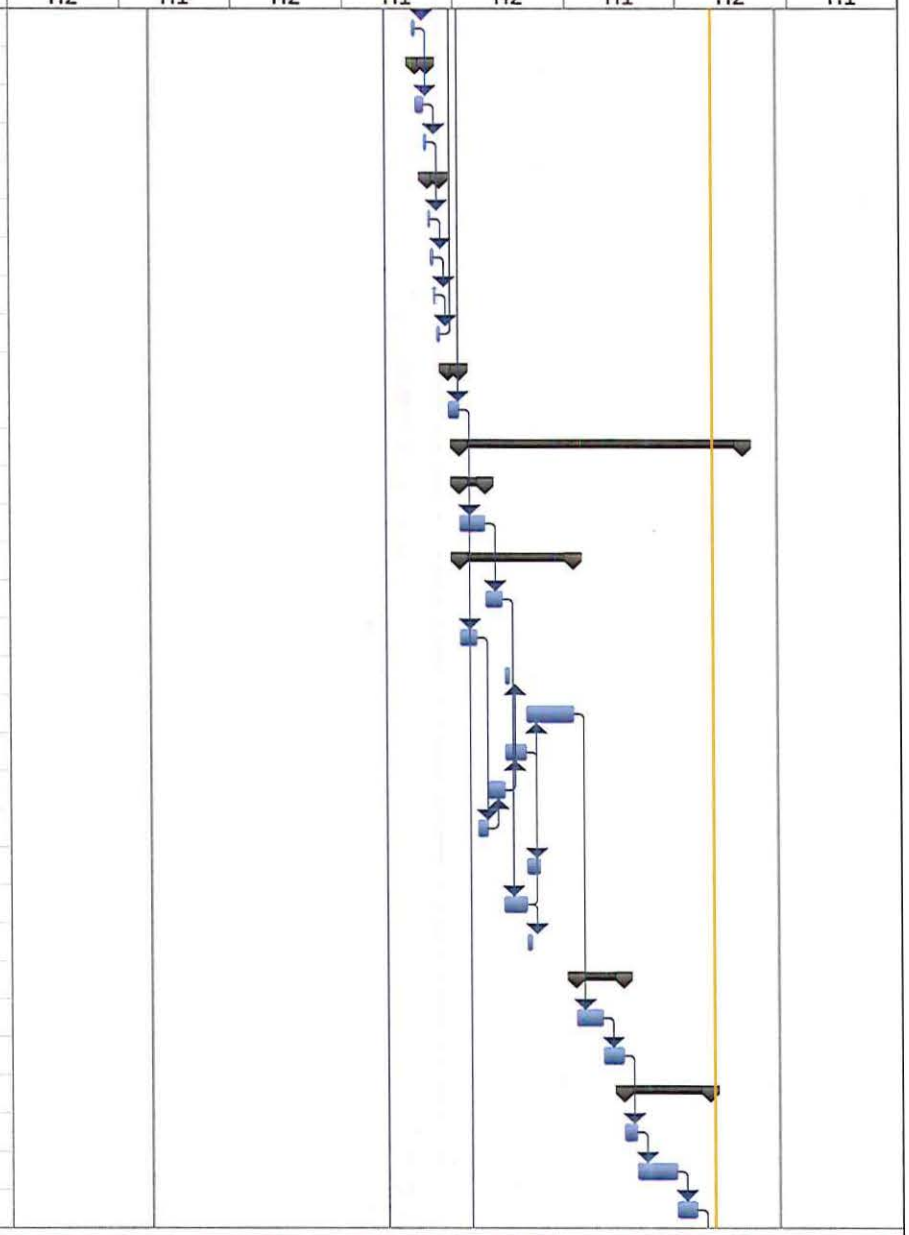
Iatan 1 Dismantlement

ID	Task Name	Duration
64	**Fuel Oil System (plant side)**	**120 days**
65	Igniter Fuel Oil Pumps	3 days
66	Igniter Fuel Oil and Atomizing Air Piping	5 days
67	Igniters	15 days
68	**Waste Oil System**	**7 days**
69	Waste Oil Tank	2 days
70	Waste Oil Transfer Pump	2 days
71	Waste Oil Piping	3 days
72	**Air Preheat System**	**9 days**
73	Air Preheat Pumps	2 days
74	Air Preheat Piping	7 days
75	**Condenser Air Extraction System**	**6 days**
76	Vacuum Pumps	4 days
77	Extraction Piping	2 days
78	**Turbine Seals and Drains**	**7 days**
79	Piping	7 days
80	**Turbine Lube Oil System**	**17 days?**
81	Turbine Lube Oil Tank	12 days
82	Turbine Lube Oil Pumps	4 days
83	Turbine Oil Mist Eliminator	1 day?
84	**Generator Auxiliary Systems**	**18 days**
85	Hydrogen Cooler Skid and Piping	5 days
86	Stator Cooling Water Skid and Piping	5 days
87	Isophase Bus Duct	4 days
88	Exciter Heat Exchanger	2 days
89	EHC Coolers	2 days
90	**Chemical Feed Systems**	**15 days**
91	Tanks	9 days
92	Pumps	3 days
93	Piping	3 days
94	**Sampling Systems**	**5 days**
95	Field Mounted Heat Exchangers	2 days



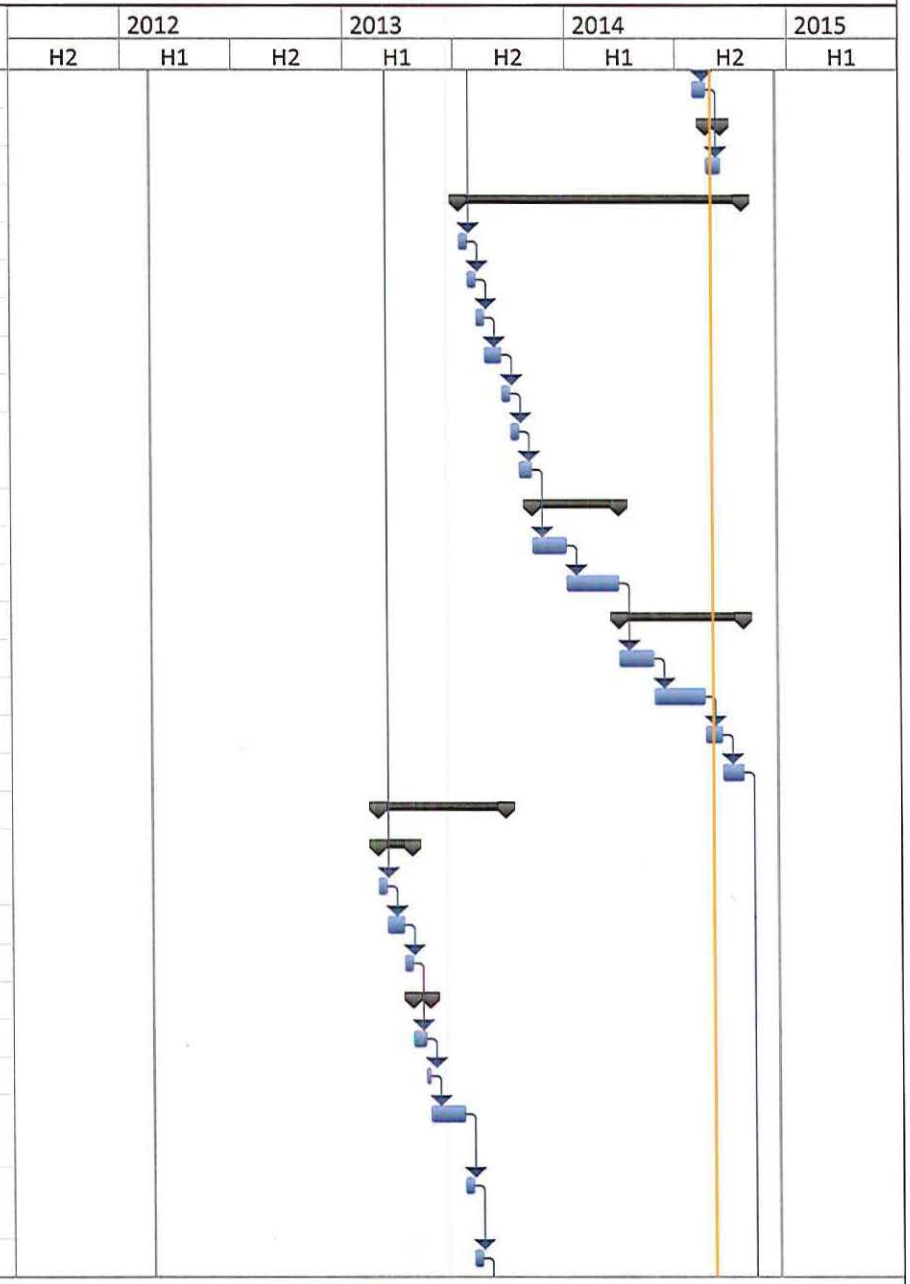
Iatan 1 Dismantlement

ID	Task Name	Duration
96	Piping	3 days
97	**Building Heating Systems**	**14 days**
98	Steam Unit Heaters	10 days
99	Steam Piping	4 days
100	**Compressed Air System**	**15 days**
101	Air Compressors	4 days
102	Air Drying Equipment	3 days
103	Air Reciever Tanks	3 days
104	Compressed Air Piping	5 days
105	**Miscellaneous Equipment**	**12 days**
106	Miscellaneous Equipment (including Fire Protection)	12 days
107	**Phase 2 Demolition**	**333 days**
108	**Precipitator**	**30 days**
109	Remove Precipitator	30 days
110	**Boiler Equipment**	**134 days**
111	Fans	20 days
112	Pulverizers	20 days
113	Bottom Ash	6 days
114	Air Heater	56 days
115	Steam Drum	25 days
116	Coal Bunkers	20 days
117	Coal Feeders	13 days
118	Soot Blowers	16 days
119	Ductwork	28 days
120	Miscellaneous Other	6 days
121	**Boiler Removal**	**56 days**
122	Furnace	32 days
123	Back Pass	24 days
124	**Boiler Steel Framing**	**101 days**
125	Hanger Girders at Top	15 days
126	All Other Framing	47 days
127	Bracing and Girts	23 days



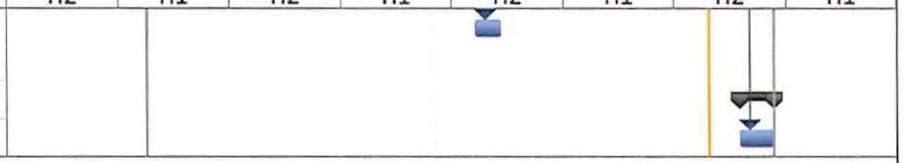
Iatan 1 Dismantlement

ID	Task Name	Duration
128	Columns	16 days
129	**Boiler Foundations**	**18 days**
130	Equipment Foundation Demolition to Grade	18 days
131	**Remove Turbine**	**333 days**
132	Remove HP Turbine	10 days
133	Remove IP Turbine	10 days
134	Remove LP Turbine	10 days
135	Remove Generator	20 days
136	Remove Condenser Neck Heat Exchanger	10 days
137	Remove Condenser	10 days
138	Remove Misc. Auxiliary Turbine Equipment	15 days
139	**Turbine Pedestal Demolition to Grade**	**102 days**
140	Top Slab and Beams	40 days
141	Columns	62 days
142	**Remove Turbine Building**	**146 days**
143	Siding and Rooding	41 days
144	All Framing Elevations	60 days
145	Bracing and Girts	20 days
146	Columns	25 days
147	**Phase 3 Yard Demolition**	**150 days**
148	**Circulating Water Pipe (yard)**	**40 days**
149	Excavate Circulating Water Pipe	10 days
150	Collapse Circulating Water Pipe	20 days
151	Backfill Circulating Water Pipe	10 days
152	**Remove Ash Handling Equipment and Piping**	**20 days**
153	Remove Fly-Ash Silo and Scale	15 days
154	Remove Ash Piping and Misc. Equipment	5 days
155	Remove Laydown Equipment and Warehoused Equipment	40 days
156	Remove Unit 1 Condensate Storage Tank and Pump	10 days
157	Remove Unit 1 Make-Up Water Storage Tank	10 days



Iatan 1 Dismantlement

ID	Task Name	Duration
158	Remove Unit 1 Water Treatment Equipment and Building	30 days
159	**Post Dismantlement Activities**	**40 days**
160	Post Dismantlement Activities	40 days



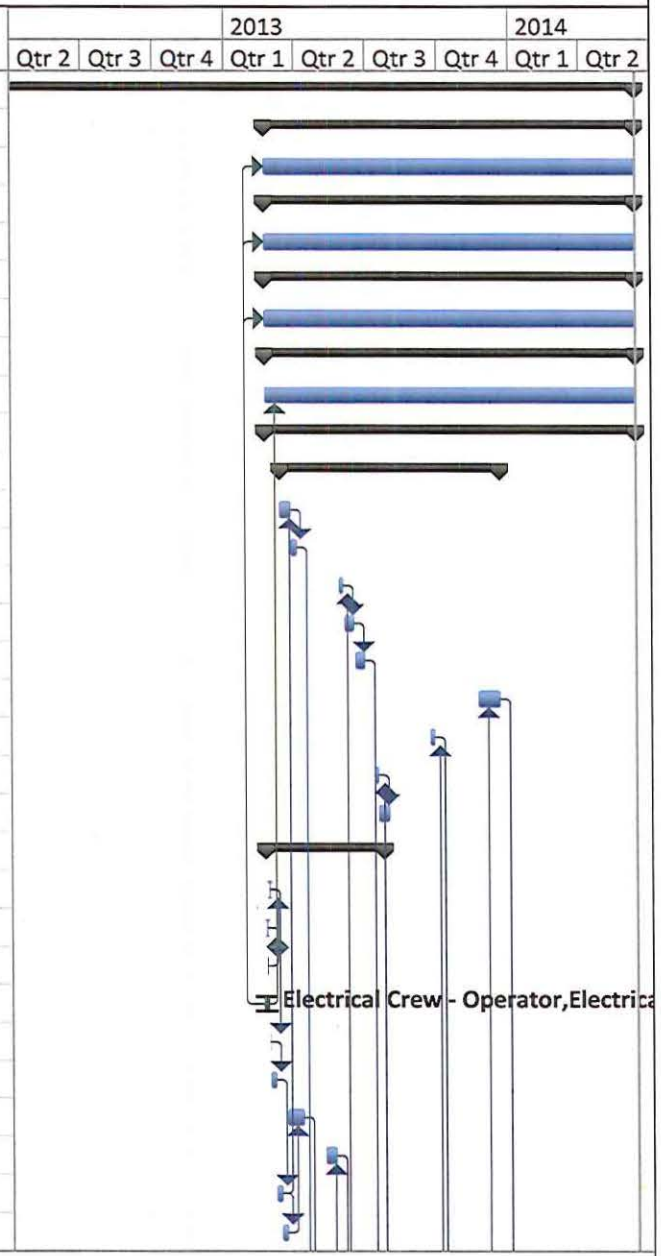
Iatan 1 AQCS		
ID	Task Name	Cost
1	**Iatan Unit 1 AQCS Dismantlement**	**$3,382,301.12**
2	**Common Removal Overheads**	**$341,196.80**
3	Added Overhead Staff for Common Removals	$341,196.80
4	**Scrap Crew**	**$609,062.40**
5	Crew(s) to Handle Scrap Material	$609,062.40
6	**Demolition Contractor Consummables**	**$819,372.80**
7	Consummables	$819,372.80
8	**Demolition Contractor Equipment Rental Costs**	**$616,651.20**
9	Equipment Rental	$616,651.20
10	**Dismantlement**	**$996,017.92**
11	**Initial Structural**	**$130,313.68**
12	Remove SCR box & ductwork lagging & insulation	$17,913.60
13	Remove SCR expansion joints	$10,748.16
14	Remove ductwork lagging & insulation	$7,952.40
15	Remove ductwork expansion joints	$17,913.60
16	Remove ductwork access platforms & ladders	$17,913.60
17	Remove FF lagging, insulation, wall panel, & roof panels	$35,827.20
18	Remove ID fan lagging & insulation	$7,165.44
19	Removal all HVAC equipment located on FGD Bldg roof	$5,374.08
20	Remove FGD Bldg lagging, insulation, wall panel, & roof	$9,505.60
21	**General Electric**	**$202,423.68**
22	Remove breakers serving all FF equipment	$895.68
23	Remove breakers serving all FGD equipment	$1,791.36
24	Remove breakers serving all ID fan equipment	$895.68
25	Remove breakers serving all SCR equipment	$895.68
26	Remove breakers serving all comp air equipment	$895.68
27	Remove all ductwork primary instrumentation, controls & assoc'd cables, and conduit	$8,956.80
28	Remove all FGD primary instrumentation, controls & assoc'd cables, and conduit	$26,870.40
29	Remove all FF primary instrumentation, controls & assoc'd cables, and conduit	$17,913.60
30	Remove SCR primary instrumentation, controls, & assoc'd cable & conduit	$8,956.80
31	Remove NH3 supply primary instrumentation, controls, & assoc'd cable & conduit	$8,956.80
32	Remove wiring and conduit serving FGD equipment, HVAC, lighting and convenience outlets	$35,827.20
33	Remove wiring and conduit serving FF equipment, HVAC, lighting and convenience outlets	$17,913.60
34	Remove wiring and conduit serving the ID fans and assoc'd equipment	$21,496.32
35	Remove wiring & conduit serving SCR vaporization & injection equipment	$5,374.08

Iatan 1 AQCS		
ID	Task Name	Cost
36	Remove wiring & conduit serving compressed air equipment	$5,374.08
37	Remove wiring & conduit serving comp air equipment	$3,582.72
38	Remove electrial control cabinets & switchgear	$17,913.60
39	Demolish electrical control room	$17,913.60
40	**FGD System**	**$201,109.68**
41	Remove ductwork between FGD module and chimney	$7,952.40
42	Remove support steel and access platforms between FGD and chimney	$5,374.08
43	Remove FGD elevator	$8,956.80
44	Remove all mechanical equipment, pumps, and motors and tanks in FGD Bldg	$35,827.20
45	Remove oxi air blowers	$895.68
46	Remove all FGD piping & valves other than recirc piping	$26,870.40
47	Remove ox air lines	$5,374.08
48	Remove FGD MEs panels	$9,542.88
49	Remove FGD outlet duct and top cone	$5,374.08
50	Remove FGD internal wash ME piping and ME supports	$5,374.08
51	Remove FGD internal spray header piping	$8,956.80
52	Remove FGD support steel, access provisions, stair tower, and recirc piping from top down	$35,827.20
53	Remove FGD module walls	$17,913.60
54	Remove FGD inlet duct	$5,374.08
55	Remove FGD reaction tank walls and floor	$17,913.60
56	Remove FGD Bldg trench floor grating	$3,582.72
57	**ID Fans**	**$78,819.84**
58	Remove ductwork between ID fan outlets and FGD module	$12,539.52
59	Remove support steel and access platforms between ID fan outlets and FGD module	$5,374.08
60	Remove ductwork between FF outlet and ID fan inlets	$12,539.52
61	Remove support steel between FF outlet and ID fan inlets	$5,374.08
62	Removed ID fan isolation dampers	$14,330.88
63	Removed ID fan drive motor	$7,165.44
64	Remove ID fan seal air system	$7,165.44
65	Remove fan casing & rotor	$14,330.88
66	**Fabric Filters**	**$309,905.28**
67	Remove ductwork between air heater and FF	$8,956.80
68	Remove ductwork structural steel between AH and FF	$5,374.08
69	Remove FF penthouse hoists and trolleys	$7,165.44
70	Remove FF hopper heaters, HVAC, lighting and convenience outlets	$17,913.60
71	Remove FF ash handling piping	$26,870.40
72	Remove compress air blower, dryers, and receivers, piping & valves	$17,913.60
73	Remove FF penthouse roof panels supporting steel	$17,913.60
74	Remove FF compartment roof hatches	$5,374.08

Iatan 1 AQCS		
ID	Task Name	Cost
75	Remove FF compartment pulse air piping	$5,374.08
76	Remove FF compartment pulse air and compressed air supply piping	$10,748.16
77	Remove FF outlet poppet damper operators	$12,539.52
78	Remove FF bags & cages	$25,079.04
79	Remove FF bag support sheets	$25,079.04
80	Remove remaining FF roof	$7,165.44
81	Remove FF outlet dampers	$7,165.44
82	Remove ductwork between air heater and FF	$8,956.80
83	Remove FF wall panels to hopper level	$50,158.08
84	Remove ductwork structural steel between AH and FF	$5,374.08
85	Remove FF stair tower(s)	$17,913.60
86	Remove FF inlet dampers	$7,165.44
87	Remove FF hoppers	$12,539.52
88	Remove FF support steel	$7,165.44
89	**SCR and Ammonia Supply**	**$73,445.76**
90	Vacuum SCR catalyst	$3,582.72
91	Remove SCR catalyst	$16,122.24
92	Remove ammonia injection grid	$3,582.72
93	Remove NH3 piping between storage & injection	$3,582.72
94	Remove air horn air receiver & supply piping	$3,582.72
95	Remove SCR guillotine dampers	$7,165.44
96	Remove SCr muliti-louver dampers	$3,582.72
97	Remove SCR box, internal supports, & assoc'd ductwork	$26,870.40
98	Remove NH3 piping between storage & vaporizors	$5,374.08
99	**Site Preperation Work**	**$0.00**
100	<New Task>	$0.00

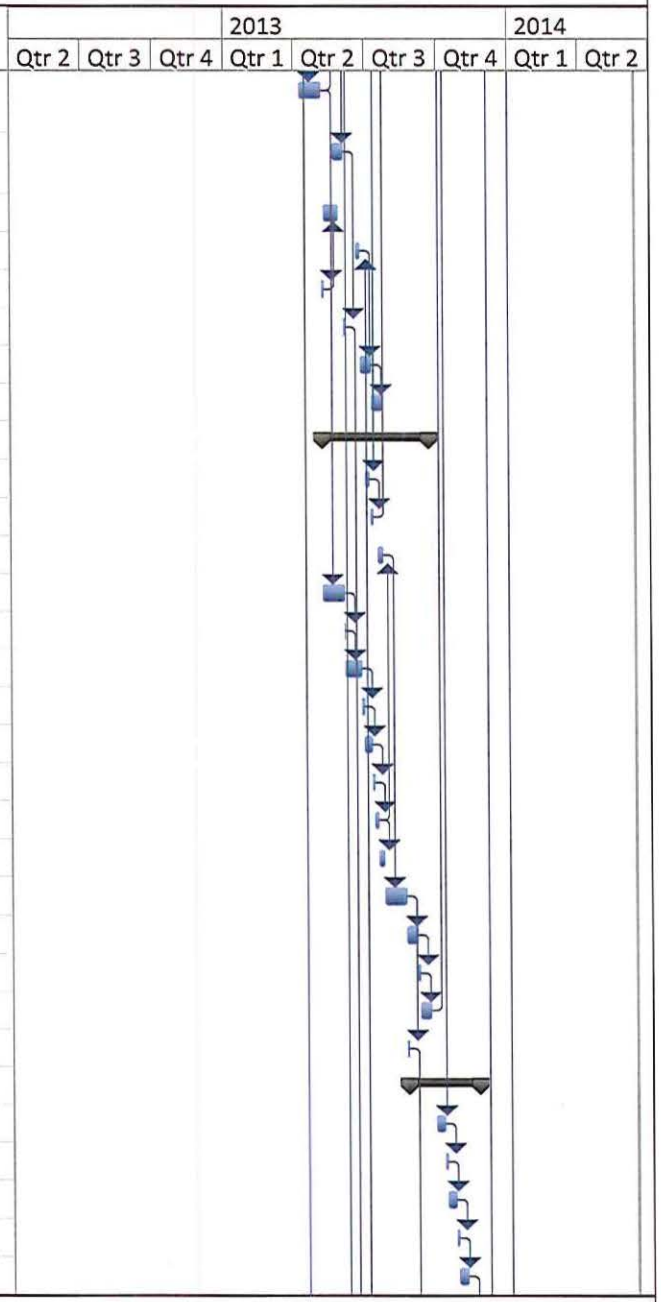
Iatan 1 AQCS Dismantlement

ID	Task Name	Duration
1	**Iatan Unit 1 AQCS Dismantlement**	**594.5 days**
2	**Common Removal Overheads**	**340 days**
3	Added Overhead Staff for Common Removals	340 days
4	**Scrap Crew**	**340 days**
5	Crew(s) to Handle Scrap Material	340 days
6	**Demolition Contractor Consummables**	**340 days**
7	Consummables	340 days
8	**Demolition Contractor Equipment Rental Costs**	**340 days**
9	Equipment Rental	340 days
10	**Dismantlement**	**340.5 days**
11	**Initial Structural**	**202.5 days**
12	Remove SCR box & ductwork lagging & insulation	10 days
13	Remove SCR expansion joints	6 days
14	Remove ductwork lagging & insulation	5 days
15	Remove ductwork expansion joints	10 days
16	Remove ductwork access platforms & ladders	10 days
17	Remove FF lagging, insulation, wall panel, & roof panels	20 days
18	Remove ID fan lagging & insulation	4 days
19	Removal all HVAC equipment located on FGD Bldg roof	3 days
20	Remove FGD Bldg lagging, insulation, wall panel, & roof	10 days
21	**General Electric**	**108 days**
22	Remove breakers serving all FF equipment	0.5 days
23	Remove breakers serving all FGD equipment	1 day
24	Remove breakers serving all ID fan equipment	0.5 days
25	Remove breakers serving all SCR equipment	0.5 days
26	Remove breakers serving all comp air equipment	0.5 days
27	Remove all ductwork primary instrumentation, controls & assoc'd cables, and c	5 days
28	Remove all FGD primary instrumentation, controls & assoc'd cables, and condu	15 days
29	Remove all FF primary instrumentation, controls & assoc'd cables, and conduit	10 days
30	Remove SCR primary instrumentation, controls, & assoc'd cable & conduit	5 days
31	Remove NH3 supply primary instrumentation, controls, & assoc'd cable & cond	5 days



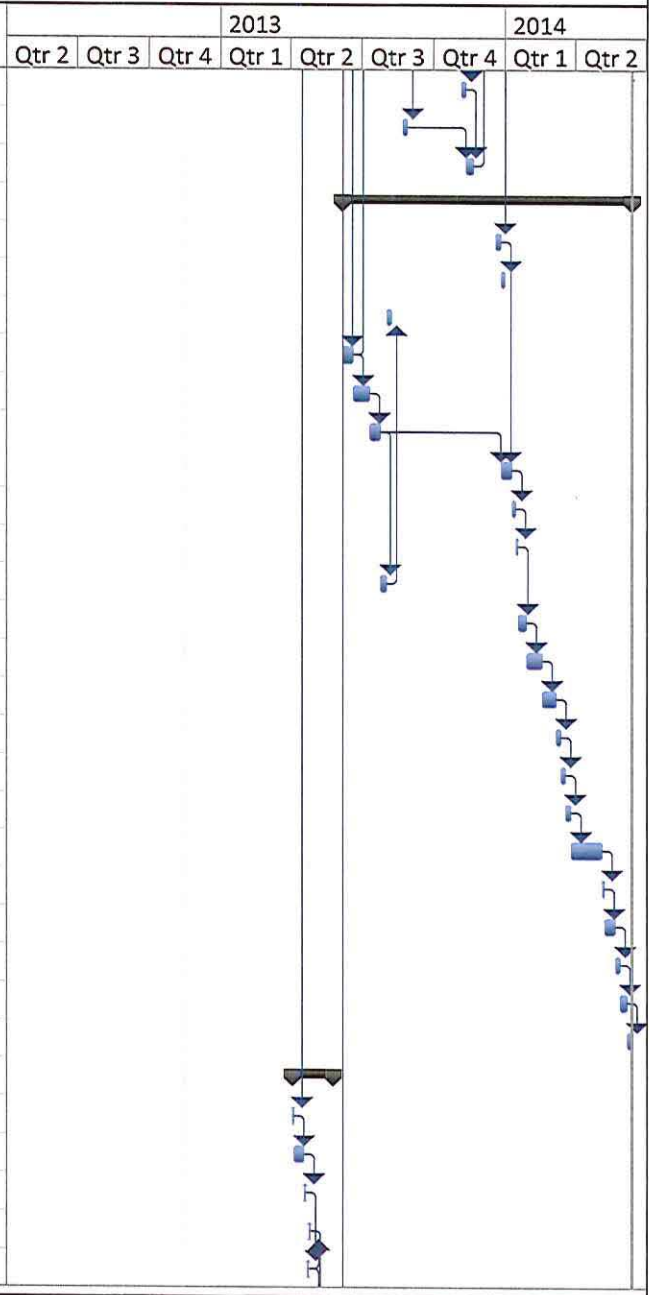
Iatan 1 AQCS Dismantlement

ID	Task Name	Duration
32	Remove wiring and conduit serving FGD equipment, HVAC, lighting and convenience outlets	20 days
33	Remove wiring and conduit serving FF equipment, HVAC, lighting and convenience outlets	10 days
34	Remove wiring and conduit serving the ID fans and assoc'd equipment	12 days
35	Remove wiring & conduit serving SCR vaporization & injection equipment	3 days
36	Remove wiring & conduit serving compressed air equipment	3 days
37	Remove wiring & conduit serving comp air equipment	2 days
38	Remove electrial control cabinets & switchgear	10 days
39	Demolish electrical control room	10 days
40	**FGD System**	**98.5 days**
41	Remove ductwork between FGD module and chimney	5 days
42	Remove support steel and access platforms between FGD and chimney	3 days
43	Remove FGD elevator	5 days
44	Remove all mechanical equipment, pumps, and motors and tanks in FGD Bldg	20 days
45	Remove oxi air blowers	0.5 days
46	Remove all FGD piping & valves other than recirc piping	15 days
47	Remove ox air lines	3 days
48	Remove FGD MEs panels	6 days
49	Remove FGD outlet duct and top cone	3 days
50	Remove FGD internal wash ME piping and ME supports	3 days
51	Remove FGD internal spray header piping	5 days
52	Remove FGD support steel, access provisions, stair tower, and recirc piping fr	20 days
53	Remove FGD module walls	10 days
54	Remove FGD inlet duct	3 days
55	Remove FGD reaction tank walls and floor	10 days
56	Remove FGD Bldg trench floor grating	2 days
57	**ID Fans**	**65 days**
58	Remove ductwork between ID fan outlets and FGD module	7 days
59	Remove support steel and access platforms between ID fan outlets and FGD m	3 days
60	Remove ductwork between FF outlet and ID fan inlets	7 days
61	Remove support steel between FF outlet and ID fan inlets	3 days
62	Removed ID fan isolation dampers	8 days



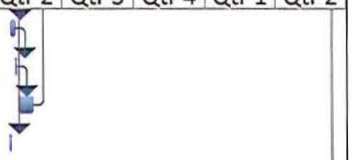
Iatan 1 AQCS Dismantlement

ID	Task Name	Duration
63	Removed ID fan drive motor	4 days
64	Remove ID fan seal air system	4 days
65	Remove fan casing & rotor	8 days
66	**Fabric Filters**	**265.5 days**
67	Remove ductwork between air heater and FF	5 days
68	Remove ductwork structural steel between AH and FF	3 days
69	Remove FF penthouse hoists and trolleys	4 days
70	Remove FF hopper heaters, HVAC, lighting and convenience outlets	10 days
71	Remove FF ash handling piping	15 days
72	Remove compress air blower, dryers, and receivers, piping & valves	10 days
73	Remove FF penthouse roof panels supporting steel	10 days
74	Remove FF compartment roof hatches	3 days
75	Remove FF compartment pulse air piping	3 days
76	Remove FF compartment pulse air and compressed air supply piping	6 days
77	Remove FF outlet poppet damper operators	7 days
78	Remove FF bags & cages	14 days
79	Remove FF bag support sheets	14 days
80	Remove remaining FF roof	4 days
81	Remove FF outlet dampers	4 days
82	Remove ductwork between air heater and FF	5 days
83	Remove FF wall panels to hopper level	28 days
84	Remove ductwork structural steel between AH and FF	3 days
85	Remove FF stair tower(s)	10 days
86	Remove FF inlet dampers	4 days
87	Remove FF hoppers	7 days
88	Remove FF support steel	4 days
89	**SCR and Ammonia Supply**	**38 days**
90	Vacuum SCR catalyst	2 days
91	Remove SCR catalyst	9 days
92	Remove ammonia injection grid	2 days
93	Remove NH3 piping between storage & injection	2 days
94	Remove air horn air receiver & supply piping	2 days



Iatan 1 AQCS Dismantlement

ID	Task Name	Duration
95	Remove SCR guillotine dampers	4 days
96	Remove SCr muliti-louver dampers	2 days
97	Remove SCR box, internal supports, & assoc'd ductwork	15 days
98	Remove NH3 piping between storage & vaporizors	3 days
99	**Site Preperation Work**	**1 day**
100	<New Task>	1 day



UNIT 2

Iatan 2 Retirement

Owner Costs			
Pre-Retirement Activities		$100,822	
Retirement Activities		$658,400	
Post-Retirement Activities		$26,564	
Owner Direct Total			$785,786
Owner Internal Costs	5.00%		$39,289
Owner Contingency:	25.00%		$206,269

Iatan 2 Retirement Opinion of Probable Cost: $1,031,343.60

Iatan 2 Retirement		
ID	Task Name	Cost
1	**Iatan 2 Retirement**	**$785,786.45**
2	**Pre-Engineering**	**$100,821.60**
3	Permit review and engineering analysis, establish isolation points, and confirm fuel yard inventory has been reduced to zero tons.	$0.00
4	**KCL&L Overhead Costs**	**$114,006.40**
5	KCP&L Retirement Manager	$114,006.40
6	**Equipment Rentals**	**$38,625.28**
7	Vacuum truck	$38,625.28
8	**Retirement**	**$505,769.17**
9	**Electrical**	**$18,911.68**
10	**Medium and Low Voltage Draw out Switchgear**	**$2,679.84**
11	De-energize all buses at the source.	$446.64
12	Open all circuit breakers.	$446.64
13	Rack all circuit breakers into the fully withdrawn, disconnected position.	$446.64
14	Verify that the closing/tripping springs are discharged.	$446.64
15	De-energize control power and auxiliary power circuits of each circuit breaker at the source and by opening control power circuit breakers or removing fuses in each breaker cubicle.	$893.28
16	**Motor Control Centers**	**$1,786.56**
17	De-energize all buses at the source.	$446.64
18	Open all circuit breakers and disconnect switches.	$446.64
19	Remove all fuses in control circuits.	$893.28
20	**Low-voltage Switchboards and Panelboards**	**$893.28**
21	De-energize all buses at the source.	$446.64
22	Open all circuit breakers and disconnect switches.	$446.64
23	**Oil-Filled Power Transformers**	**$5,549.44**
24	De-energize all transformer primaries and verify that the secondary is de-energized.	$893.28
25	De-energize all low-voltage AC or DC power sources for space heaters, cooling equipment, controls, etc. at the source and open circuit breakers or remove fuses at transformer end.	$893.28
26	Drain and dispose of oil.	$2,642.88
27	Clean up and dispose of oil on surface areas around the transformers on in containment pits.	$1,120.00
28	**Dry-type Power Transformers**	**$1,786.56**
29	De-energize all transformer primaries and verify that the secondary is de-energized.	$893.28
30	De-energize all low-voltage AC or DC power sources for space heaters, cooling equipment, controls, etc. at the source and open circuit breakers or remove fuses at transformer end.	$893.28
31	**Motors**	**$6,216.00**
32	De-energize all primary power at the source.	$1,786.56

Iatan 2 Retirement

ID	Task Name	Cost
33	De-energize all low-voltage power sources for space heaters or other auxiliary equipment at the source.	$1,786.56
34	Drain lube oil system (if applicable) and dispose of oil.	$2,642.88
35	**Coal Handling**	**$27,475.44**
36	Empty all transfer hoppers.	$1,704.56
37	Burn out coal silos.	$1,685.44
38	Confirm all fuel lines, conveyors and trippers are clear of fuel.	$1,685.44
39	Perform cleaning of the coal handling equipment to assure that all coal and coal dust has been removed from site.	$22,400.00
40	**Fuel Oil and Igniter System**	**$2,528.16**
41	Drain fuel oil system	$2,528.16
42	**Boiler Chemical Feed**	**$1,685.44**
43	Drain all chemical feed tanks.	$1,685.44
44	**Boiler**	**$27,484.77**
45	Open boiler doors.	$880.96
46	Gas side - perform cleaning of the boiler and bottom ash system.	$22,400.00
47	Drain boiler, drum, downcomers and headers.	$842.72
48	Open drum doors.	$880.96
49	Drain and clean the submerged flight conveyor system.	$2,480.13
50	**Stack and Ductwork**	**$326,961.04**
51	Open ductwork doors.	$880.96
52	Perform extensive cleaning of the ductwork.	$11,200.00
53	Place cap over stack opening to keep moisture out.	$314,880.08
54	**Condensate and Feedwater Piping**	**$1,685.44**
55	Drain water from the system.	$842.72
56	Leave open vents and drains.	$842.72
57	**Feedwater heaters**	**$2,528.16**
58	Drain feedwater heaters	$842.72
59	Leave open vents and drains.	$1,685.44
60	**Deaerator and Deaerator Storage Tank**	**$1,685.44**
61	Drain Deaerator and Storage	$842.72
62	Leave open vents and drains.	$842.72
63	**Baghouse**	**$17,351.92**
64	Multiple cleaning cycles for filter bags.	$2,528.16
65	Open all vent and drain lines on bag cleaning air and control air lines. Leave in open position or remove vent valves.	$842.72
66	Remove all filter bags and cages.	$880.96
67	Clear hoppers of all ash	$2,805.44
68	Mechanically secure all compartment dampers and hopper outlet valves in open position.	$880.96
69	Disconnect ash transport piping and washdown baghouse hoppers and interior of casing.	$1,421.84
70	Install bird screens across hopper ash outlet and ash line flanges.	$880.96

Iatan 2 Retirement		
ID	Task Name	Cost
71	Padlock or tack weld all hopper doors shut. (note: if ash hopper doors are indoors, they could be removed and the opening covered with bird screens.)	$880.96
72	If walk-in plenum, padlock or tack weld all outlet plenum doors and compartment ventilation dampers shut.	$880.96
73	If top-door plenum, close and secure top doors and remove/disable door lift hoist.	$1,723.68
74	If top-door plenum, establish natural ventilation or maintain HVAC fan tc provide minimum air changes per hour in penthouse enclosure.	$945.44
75	Pull electrical supply breakers on all electrical equipment except lighting and HVAC components that are to remain in service.	$2,679.84
76	**Wet FGD system**	**$23,908.00**
77	Multiple mist eliminator wash cycles. Remove ME's from absorber.	$2,145.04
78	Drain and flush all slurry and reclaim water pumps and piping. Leave vent and drain valves open or remove. Install bird screens across drain openings.	$1,723.68
79	Drain and wash out the reaction tank, reagent storage tank, recycle water tank, absorber blowdown tank, etc.	$4,624.08
80	Leave all tank drain valves open or remove. Install bird screens across openings.	$1,761.92
81	Drain all makeup and mist eliminator water pumps and piping. Leave vent and drain valves open or remove. Install bird screens across drain openings.	$2,604.64
82	Mechanically secure all flue gas isolation dampers in open position or remove damper blades.	$1,761.92
83	Remove solids from all inlet and outlet ductwork as necessary	$2,240.00
84	Open all vent station air and control air lines. Leave in open position or remove vent valves	$1,723.68
85	Padlock or tack weld all access doors to modules and ductwork shut.	$1,762.24
86	Remove access doors to open-top tanks.	$880.96
87	Pull electrical supply breakers on all electrical equipment except lighting and HVAC components that are to remain in service.	$2,679.84
88	**FGD Reagent Preparation-Limestone wet Scrubber**	**$10,262.88**
89	Remove limestone from day bins.	$1,402.72
90	Removed cartridges/bags from bin vent filters	$1,402.72
91	Padlock or tack weld all bin access doors shut. (note: if doors are indoors, they could be removed and the opening covered with bird screens.)	$881.12
92	Remove bin discharge isolation valve and install bird screen.	$440.48
93	Thoroughly wash and drain mills	$1,402.72
94	Remove balls from any ball mills	$1,120.00
95	Padlock or tack weld mill access doors closed.	$881.12
96	Establish natural ventilation or maintain HVAC fan to provide minimum air changes per hour in building.	$945.44

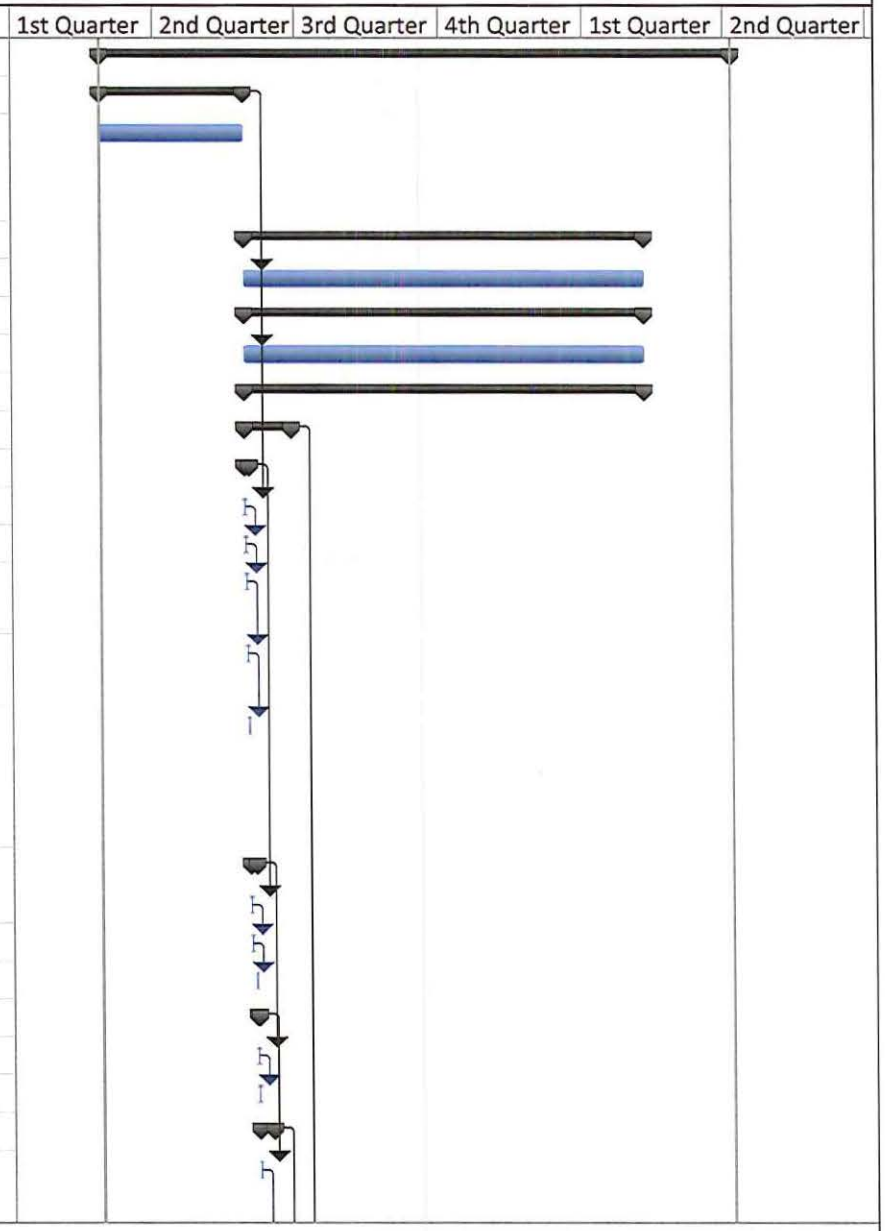
Iatan 2 Retirement		
ID	Task Name	Cost
97	Pull electrical supply breakers on all electrical equipment except lighting and HVAC components that are to remain in service.	$1,786.56
98	**FGD Byproduct Dewatering - Hydrocyclones and Vacuum Filters**	**$7,287.12**
99	Wash vacuum filter belt and remove all accumulated solids	$2,240.00
100	Wash out vacuum receiver, remove pressure relief valve and access door. Install bird screens.	$1,421.84
101	Establish natural ventilation or maintain HVAC fan to provide minimum air changes per hour in building.	$945.44
102	Pull electrical supply breakers on all electrical equipment except lighting and HVAC components that are to remain in service.	$2,679.84
103	**SCR**	**$10,054.00**
104	Vacuum fly ash from catalyst.	$2,240.00
105	Remove catalyst of salvage or disposal.	$2,881.92
106	Padlock or tack weld access doors shut.	$880.96
107	Remove ammonia from storage tank for resale.	$701.36
108	Wash out and drain storage tank and supply piping.	$701.36
109	Vent storage tank and all piping. Leave vent and drain valves open or remove. Install bird screens.	$861.84
110	Pull electrical supply breakers on all electrical equipment except lighting and HVAC components that are to remain in service.	$1,786.56
111	**Turbine(s) and Condenser**	**$5,266.64**
112	Drain hotwell and leave doors open.	$861.84
113	Open main turbine doors.	$880.96
114	Open bfp turbine doors.	$880.96
115	Remove lube oil.	$2,642.88
116	**Generator**	**$6,095.76**
117	Verify that generator circuit breaker is open and racked out or that high-voltage disconnect switch on substation side of GSU transformer is locked in the open position.	$446.64
118	Verify that generator field breaker or contactor (if applicable) is open.	$446.64
119	De-energize power supplies to generator excitation system at the source.	$446.64
120	De-energize AC and DC power supplies to generator and exciter space heaters, cooling equipment, controls, lighting, etc. at the source and open circuit breakers or remove fuses at the generator and exciter.	$446.64
121	Drain generator and exciter cooling water systems (if applicable).	$861.84
122	Disconnect and remove hydrogen gas tanks and purge generator hydrogen system.	$1,685.44
123	Disconnect and remove fire protection system gas/foam tanks and purge fire protection system.	$1,761.92
124	**Circulation Water and Turbine Cooling Water System**	**$3,409.12**
125	Drain.	$1,685.44
126	Open water box doors.	$880.96
127	Drain any circulating water chemical feed tanks.	$842.72

Iatan 2 Retirement

ID	Task Name	Cost
128	**Compressed Air System**	**$2,721.28**
129	Open vents and drains.	$842.72
130	Remove desiccant from desiccant dryers.	$1,878.56
131	**Auxiliary Steam System**	**$1,685.44**
132	Drain water from system.	$842.72
133	Remove aux boiler chemicals.	$842.72
134	**Auxiliary Cooling Water System**	**$842.72**
135	Drain water from system.	$842.72
136	**Condenser Air Extraction and Waterbox Priming System**	**$842.72**
137	Drain water from system.	$842.72
138	**Building Heating System**	**$842.72**
139	Drain water from system.	$842.72
140	**Battery System**	**$4,253.28**
141	De-energize all battery chargers from the source.	$446.64
142	Open all AC and DC circuit breakers and/or fused switches on battery chargers and disconnect cables from batteries.	$446.64
143	Remove and dispose of battery electrolyte.	$1,680.00
144	Remove and dispose of battery cells.	$1,120.00
145	Clean up and dispose of electrolyte on surface areas around batteries.	$560.00
146	**Post Retirement Activities**	**$26,564.00**
147	Post Retirement Activities	$26,564.00

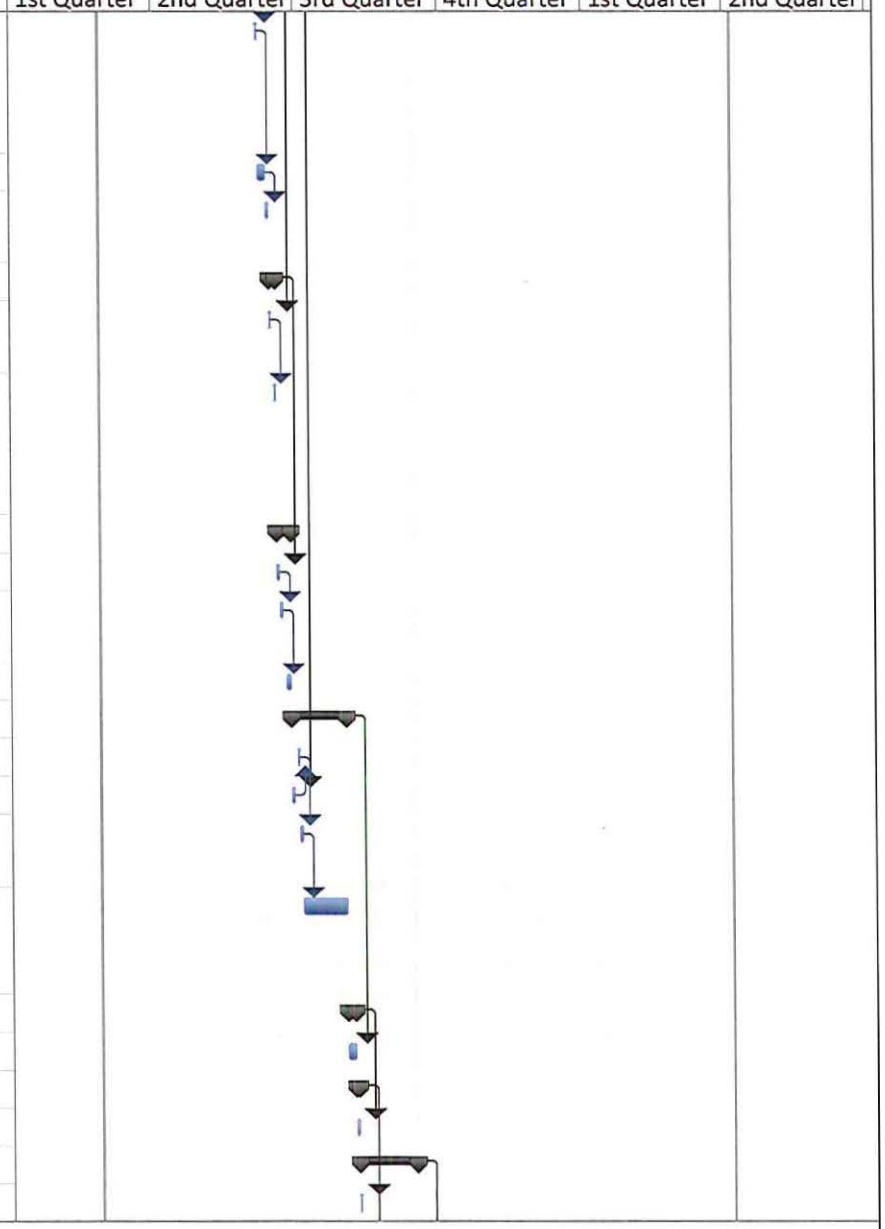
Iatan 2 Retirement

ID	Task Name	Duration
1	**Iatan 2 Retirement**	**290 days**
2	**Pre-Engineering**	**66 days**
3	Permit review and engineering analysis, establish isolation points, and confirm fuel yard inventory has been reduced to zero tons.	66 days
4	**KCL&L Overhead Costs**	**184 days**
5	KCP&L Retirement Manager	184 days
6	**Equipment Rentals**	**184 days**
7	Vacuum truck	184 days
8	**Retirement**	**184 days**
9	**Electrical**	**22 days**
10	**Medium and Low Voltage Draw out Switchgear**	**3 days**
11	De-energize all buses at the source.	0.5 days
12	Open all circuit breakers.	0.5 days
13	Rack all circuit breakers into the fully withdrawn, disconnected position.	0.5 days
14	Verify that the closing/tripping springs are discharged.	0.5 days
15	De-energize control power and auxiliary power circuits of each circuit breaker at the source and by opening control power circuit breakers or removing fuses in each breaker cubicle.	1 day
16	**Motor Control Centers**	**2 days**
17	De-energize all buses at the source.	0.5 days
18	Open all circuit breakers and disconnect switches.	0.5 days
19	Remove all fuses in control circuits.	1 day
20	**Low-voltage Switchboards and Panelboards**	**1 day**
21	De-energize all buses at the source.	0.5 days
22	Open all circuit breakers and disconnect switches.	0.5 days
23	**Oil-Filled Power Transformers**	**7 days**
24	De-energize all transformer primaries and verify that the secondary is de-energized.	1 day



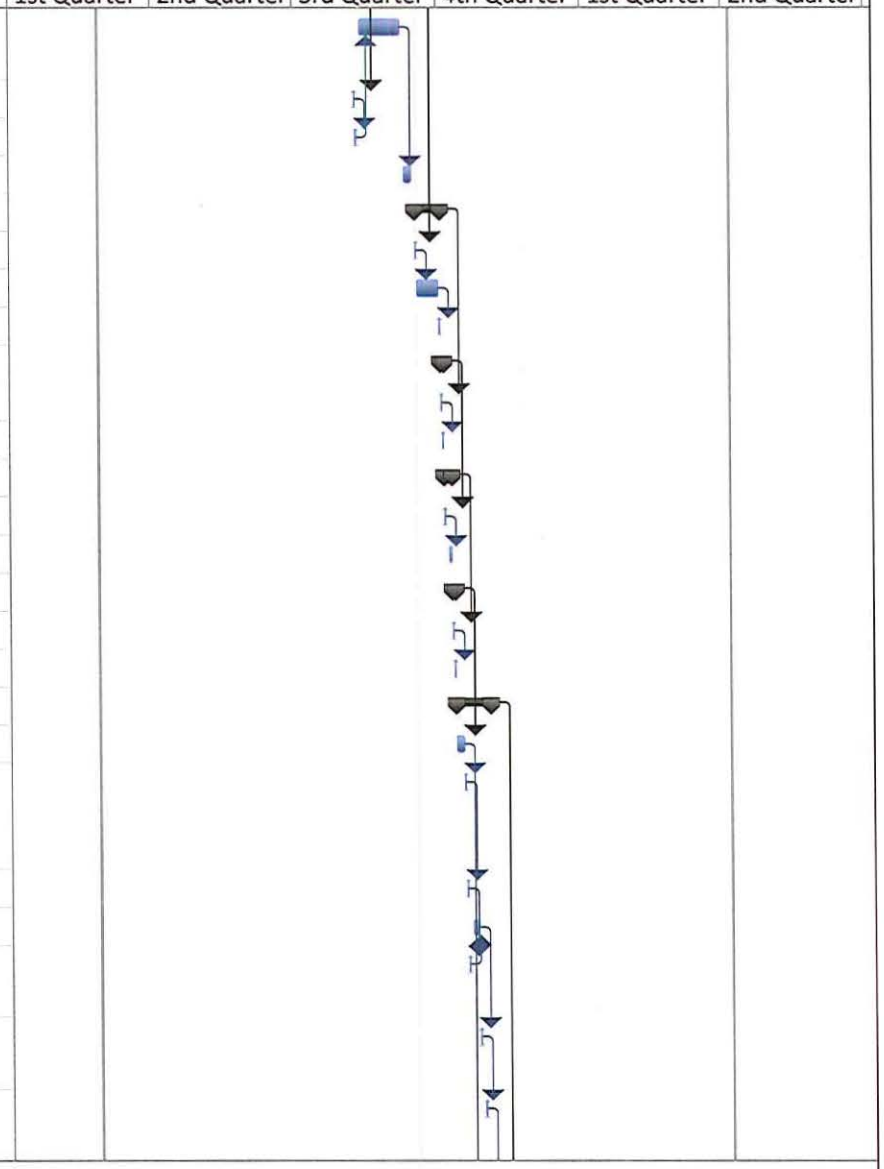
Iatan 2 Retirement

ID	Task Name	Duration
25	De-energize all low-voltage AC or DC power sources for space heaters, cooling equipment, controls, etc. at the source and open circuit breakers or remove fuses at transformer end.	1 day
26	Drain and dispose of oil.	3 days
27	Clean up and dispose of oil on surface areas around the transformers on in containment pits.	2 days
28	**Dry-type Power Transformers**	**2 days**
29	De-energize all transformer primaries and verify that the secondary is de-energized.	1 day
30	De-energize all low-voltage AC or DC power sources for space heaters, cooling equipment, controls, etc. at the source and open circuit breakers or remove fuses at transformer end.	1 day
31	**Motors**	**7 days**
32	De-energize all primary power at the source.	2 days
33	De-energize all low-voltage power sources for space heaters or other auxiliary equipment at the source.	2 days
34	Drain lube oil system (if applicable) and dispose of oil.	3 days
35	**Coal Handling**	**25 days**
36	Empty all transfer hoppers.	1 day
37	Burn out coal silos.	2 days
38	Confirm all fuel lines, conveyors and trippers are clear of fuel.	2 days
39	Perform cleaning of the coal handling equipment to assure that all coal and coal dust has been removed from site.	20 days
40	**Fuel Oil and Igniter System**	**3 days**
41	Drain fuel oil system	3 days
42	**Boiler Chemical Feed**	**2 days**
43	Drain all chemical feed tanks.	2 days
44	**Boiler**	**27 days**
45	Open boiler doors.	1 day



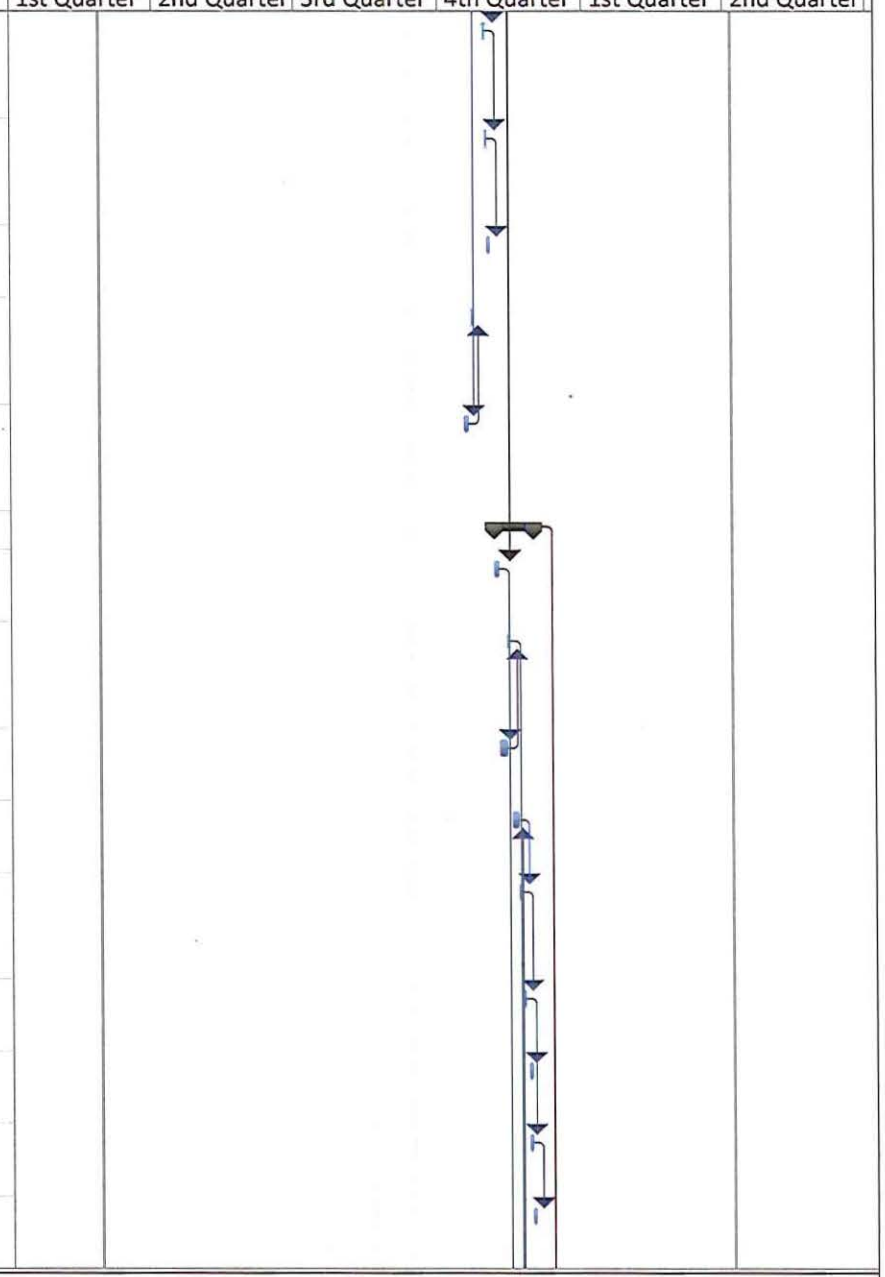
Iatan 2 Retirement

ID	Task Name	Duration
46	Gas side - perform cleaning of the boiler and bottom ash system.	20 days
47	Drain boiler, drum, downcomers and headers.	1 day
48	Open drum doors.	1 day
49	Drain and clean the submerged flight conveyor system.	5 days
50	**Stack and Ductwork**	**12 days**
51	Open ductwork doors.	1 day
52	Perform extensive cleaning of the ductwork.	10 days
53	Place cap over stack opening to keep moisture out.	1 day
54	**Condensate and Feedwater Piping**	**2 days**
55	Drain water from the system.	1 day
56	Leave open vents and drains.	1 day
57	**Feedwater heaters**	**3 days**
58	Drain feedwater heaters	1 day
59	Leave open vents and drains.	2 days
60	**Deaerator and Deaerator Storage Tank**	**2 days**
61	Drain Deaerator and Storage	1 day
62	Leave open vents and drains.	1 day
63	**Baghouse**	**16 days**
64	Multiple cleaning cycles for filter bags.	3 days
65	Open all vent and drain lines on bag cleaning air and control air lines. Leave in open position or remove vent valves.	1 day
66	Remove all filter bags and cages.	1 day
67	Clear hoppers of all ash	4 days
68	Mechanically secure all compartment dampers and hopper outlet valves in open position.	1 day
69	Disconnect ash transport piping and washdown baghouse hoppers and interior of casing.	1 day
70	Install bird screens across hopper ash outlet and ash line flanges.	1 day



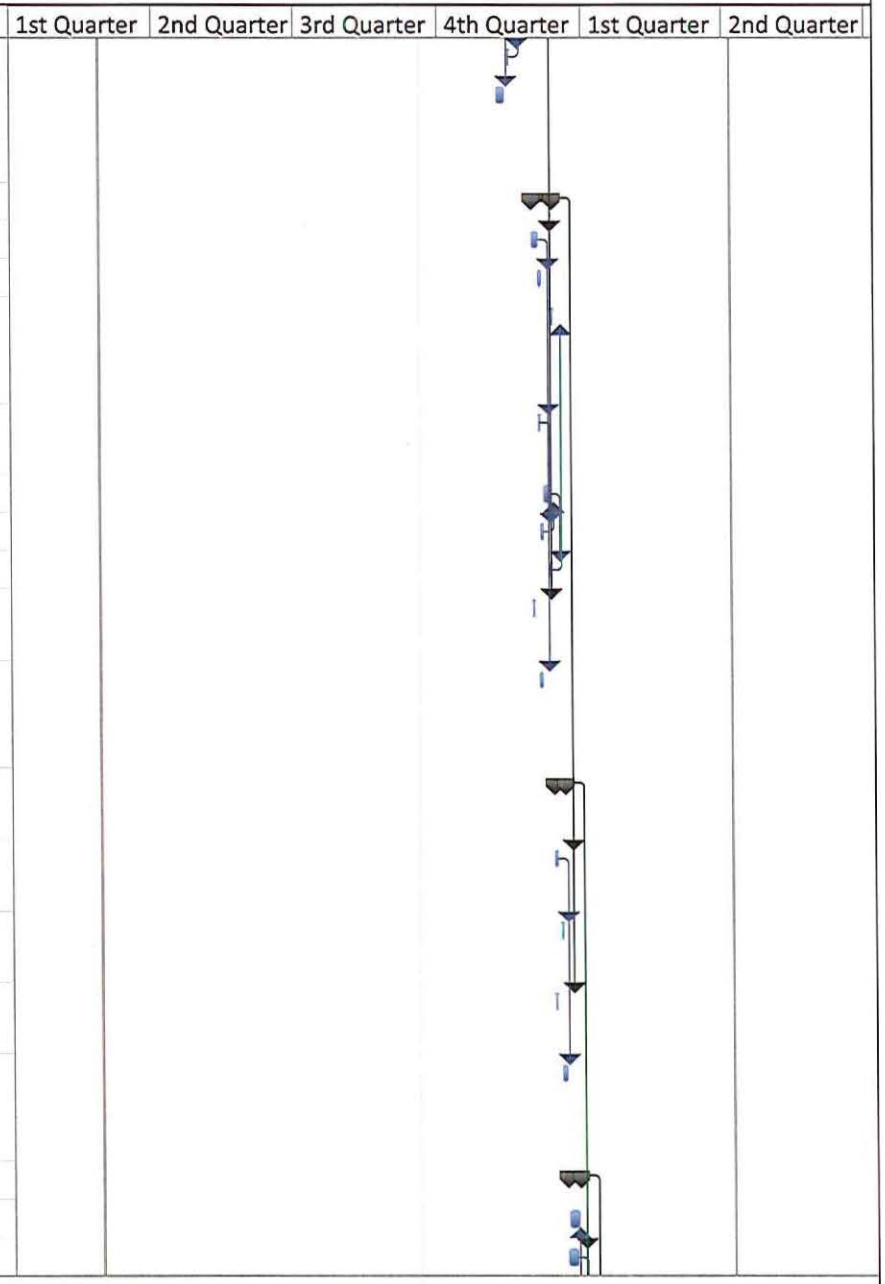
Iatan 2 Retirement

ID	Task Name	Duration
71	Padlock or tack weld all hopper doors shut. (note: if ash hopper doors are indoors, they could be removed and the opening covered with bird screens.)	1 day
72	If walk-in plenum, padlock or tack weld all outlet plenum doors and compartment ventilation dampers shut.	1 day
73	If top-door plenum, close and secure top doors and remove/disable door lift hoist.	2 days
74	If top-door plenum, establish natural ventilation or maintain HVAC fan to provide minimum air changes per hour in penthouse enclosure.	1 day
75	Pull electrical supply breakers on all electrical equipment except lighting and HVAC components that are to remain ir service.	3 days
76	**Wet FGD system**	**19 days**
77	Multiple mist eliminator wash cycles. Remove ME's from absorber.	3 days
78	Drain and flush all slurry and reclaim water pumps and piping. Leave vent and drain valves open or remove. Install bird screens across drain openings.	2 days
79	Drain and wash out the reaction tank, reagent storage tank, recycle water tank, absorber blowdown tank, etc.	3 days
80	Leave all tank drain valves open or remove. Install bird screens across openings.	2 days
81	Drain all makeup and mist eliminator water pumps and piping. Leave vent and drain valves open or remove. Install bird screens across drain openings.	2 days
82	Mechanically secure all flue gas isolation dampers in open position or remove damper blades.	2 days
83	Remove solids from all inlet and outlet ductwork as necessary	2 days
84	Open all vent station air and control air lines. Leave in open position or remove vent valves	2 days
85	Padlock or tack weld all access doors to modules and ductwork shut.	2 days



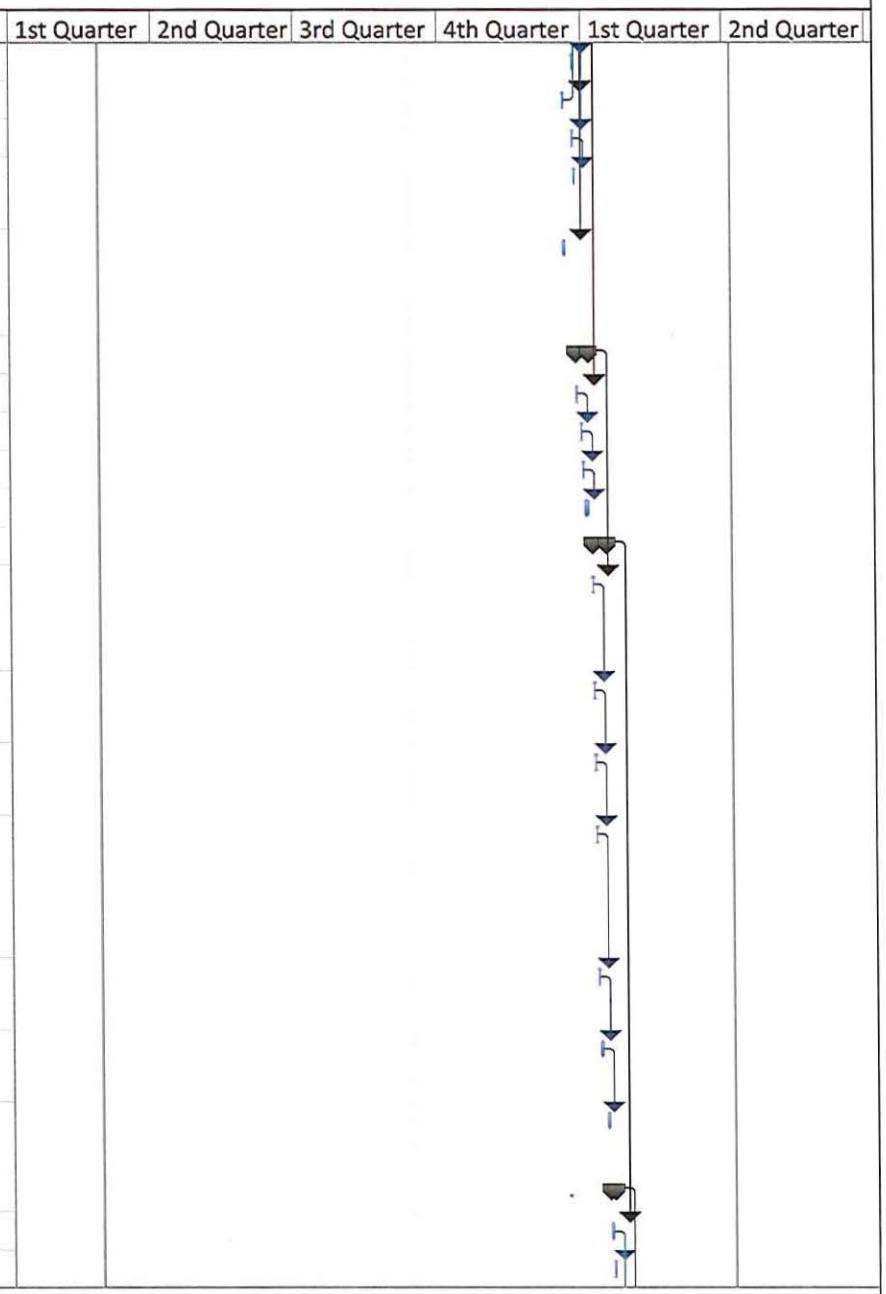
Iatan 2 Retirement

ID	Task Name	Duration
86	Remove access doors to open-top tanks.	1 day
87	Pull electrical supply breakers on all electrical equipment except lighting and HVAC components that are to remain ir service.	3 days
88	**FGD Reagent Preparation-Limestone wet Scrubber**	**9 days**
89	Remove limestone from day bins.	2 days
90	Removed cartridges/bags from bin vent filters	2 days
91	Padlock or tack weld all bin access doors shut. (note: if doors are indoors, they could be removed and the opening covered with bird screens.)	1 day
92	Remove bin discharge isolation valve and install bird screen.	1 day
93	Thoroughly wash and drain mills	2 days
94	Remove balls from any ball mills	2 days
95	Padlock or tack weld mill access doors closed.	1 day
96	Establish natural ventilation or maintain HVAC fan to provide minimum air changes per hour in building.	1 day
97	Pull electrical supply breakers on all electrical equipment except lighting and HVAC components that are to remain ir service.	2 days
98	**FGD Byproduct Dewatering - Hydrocyclones and Vacuum Filters**	**5 days**
99	Wash vacuum filter belt and remove all accumulated solids	2 days
100	Wash out vacuum receiver, remove pressure relief valve and access door. Install bird screens.	1 day
101	Establish natural ventilation or maintain HVAC fan to provide minimum air changes per hour in building.	1 day
102	Pull electrical supply breakers on all electrical equipment except lighting and HVAC components that are to remain ir service.	3 days
103	**SCR**	**6 days**
104	Vacuum fly ash from catalyst.	4 days
105	Remove catalyst of salvage or disposal.	4 days



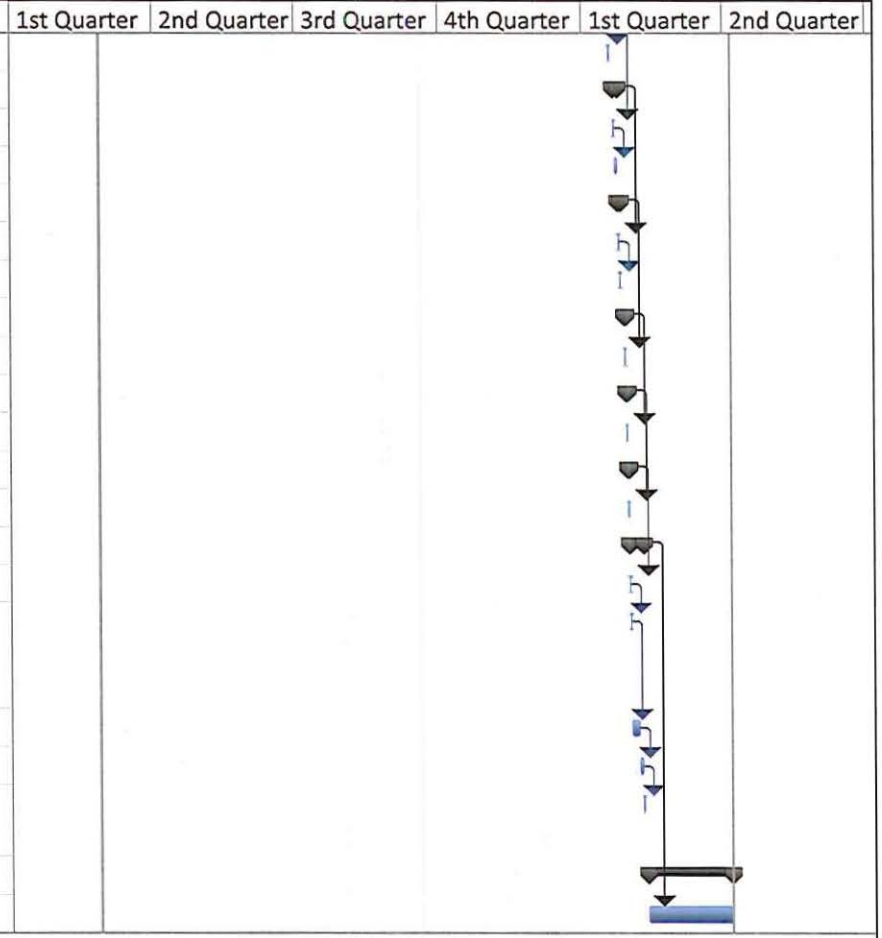
Iatan 2 Retirement

ID	Task Name	Duration
106	Padlock or tack weld access doors shut.	1 day
107	Remove ammonia from storage tank for resale.	1 day
108	Wash out and drain storage tank and supply piping.	1 day
109	Vent storage tank and all piping. Leave vent and drain valves open or remove. Install bird screens.	1 day
110	Pull electrical supply breakers on all electrical equipment except lighting and HVAC components that are to remain ir service.	2 days
111	**Turbine(s) and Condenser**	**6 days**
112	Drain hotwell and leave doors open.	1 day
113	Open main turbine doors.	1 day
114	Open bfp turbine doors.	1 day
115	Remove lube oil.	3 days
116	**Generator**	**7 days**
117	Verify that generator circuit breaker is open and racked out or that high-voltage disconnect switch on substation side of GSU transformer is locked in the open position.	0.5 days
118	Verify that generator field breaker or contactor (if applicable) is open.	0.5 days
119	De-energize power supplies to generator excitation system at the source.	0.5 days
120	De-energize AC and DC power supplies to generator and exciter space heaters, cooling equipment, controls, lighting, etc. at the source and open circuit breakers or remove fuses at the generator and exciter.	0.5 days
121	Drain generator and exciter cooling water systems (if applicable).	1 day
122	Disconnect and remove hydrogen gas tanks and purge generator hydrogen system.	2 days
123	Disconnect and remove fire protection system gas/foam tanks and purge fire protection system.	2 days
124	**Circulation Water and Turbine Cooling Water System**	**3 days**
125	Drain.	2 days
126	Open water box doors.	1 day



Iatan 2 Retirement

ID	Task Name	Duration
127	Drain any circulating water chemical feed tanks.	1 day
128	**Compressed Air System**	**3 days**
129	Open vents and drains.	1 day
130	Remove desiccant from desiccant dryers.	2 days
131	**Auxiliary Steam System**	**2 days**
132	Drain water from system.	1 day
133	Remove aux boiler chemicals.	1 day
134	**Auxiliary Cooling Water System**	**1 day**
135	Drain water from system.	1 day
136	**Condenser Air Extraction and Waterbox Priming System**	**1 day**
137	Drain water from system.	1 day
138	**Building Heating System**	**1 day**
139	Drain water from system.	1 day
140	**Battery System**	**7 days**
141	De-energize all battery chargers from the source.	0.5 days
142	Open all AC and DC circuit breakers and/or fused switches on battery chargers and disconnect cables from batteries.	0.5 days
143	Remove and dispose of battery electrolyte.	3 days
144	Remove and dispose of battery cells.	2 days
145	Clean up and dispose of electrolyte on surface areas around batteries.	1 day
146	**Post Retirement Activities**	**40 days**
147	Post Retirement Activities	40 days



Iatan 2 Dismantlement

Owner Additional Costs				
Pre-Dismantlement Activities			$1,020,485	
Overhead During Dismantlement			$1,916,492	
Post-Dismantlement Activities			$70,596	
Owner Costs Total*				$3,007,573
Demolition General Contractor (DGC) Costs				
Additional Site Management			$1,434,705	
Equipment Rental			$2,483,702	
Consummables			$2,711,297	
Scrap Crew(s)			$2,457,174	
Dismantlement*			$5,879,227	
Contractor Direct Cost*		$14,966,105		
Contractor Allowances				
DGC Insurance	2.00%		$299,322	
Contingency/Profit	15.00%		$2,289,814	
Performance Bond	2.00%		$351,104.82	
Contractor Costs Total:				$17,906,346

Total:		$20,913,919
Owner Internal Costs:	5.00%	$1,045,696
Owner Contingency:	25.00%	$5,489,904
Iatan Unit 2 Dismantlement Opinion of Probable Cost:		$27,449,519

*Owner Costs Total + Contractor Direct Costs = Manpower Loaded Schedule Total w/o Contractor Allowances
= $17,973,678

COMMON

Iatan Common Retirement

Owner Costs			
Pre-Retirement Activities		$52,449	
Retirement Activities		$365,473	
Post-Retirement Activities		$32,080	
Owner Direct Total			$450,002
Owner Internal Costs	5.00%		$22,500
Owner Contingency:	25.00%		$118,125
Iatan Common Retirement Opinion of Probable Cost:			$590,627.36

Activities Required by Permit or Regulation

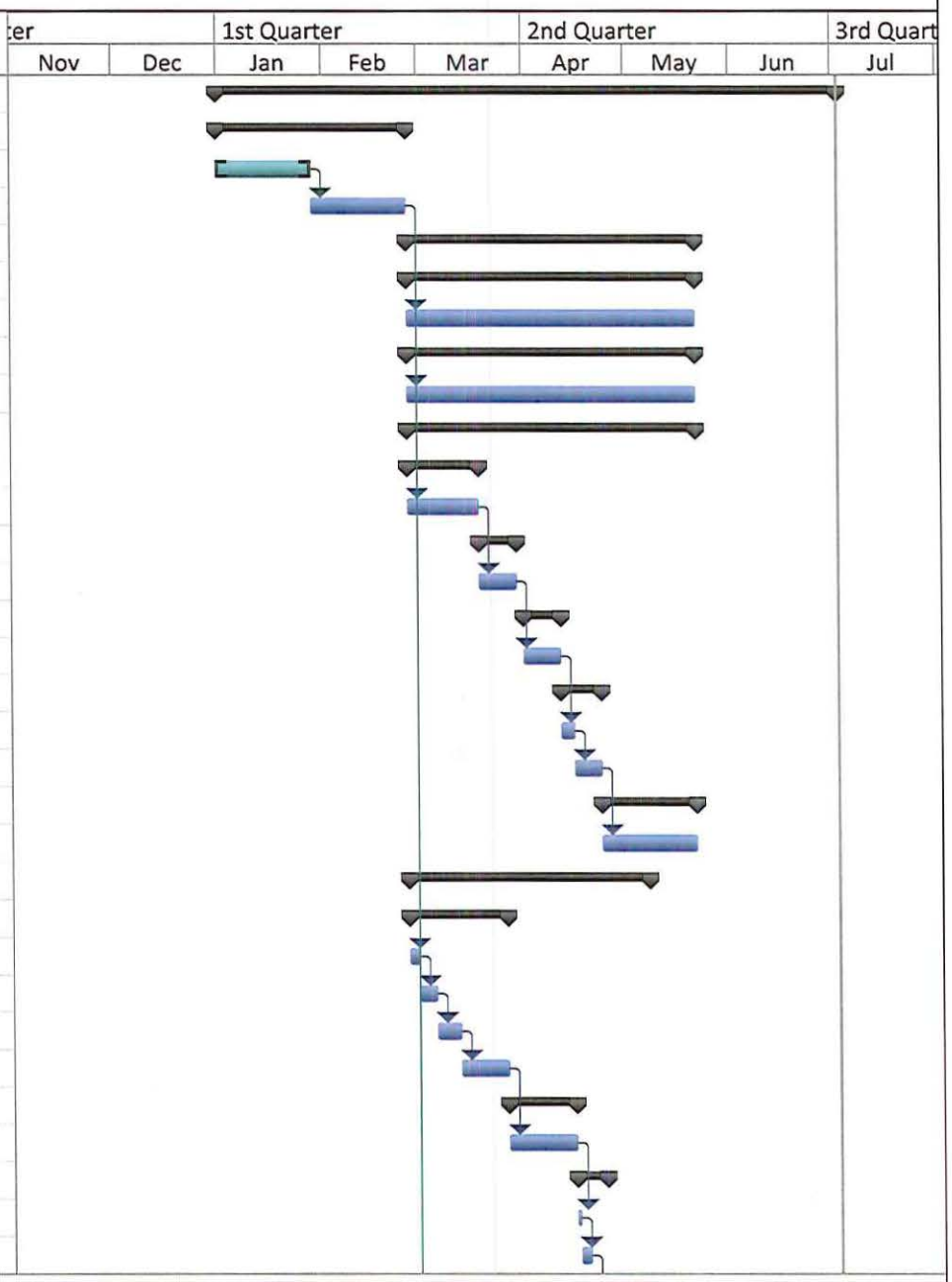
Iatan Fuel Oil Tank Removal	$239,995	
Iatan Ash Landfill Closure, Phase 1	$1,470,192	
Iatan Ash Landfill Closure, Phase 2	$2,308,430	
Iatan Ash Landfill Post Closure, Phase 1 & 2	$2,024,220	
Activities Required by Permit or Regulation:		$6,042,837

Iatan Common Retirement		
ID	Task Name	Cost
1	**Iatan Common Retirement**	**$450,003.76**
2	**Pre-Retirement Activities**	**$52,448.80**
3	Permitting Review	$26,224.40
4	Develop Detailed Retirement Plan	$26,224.40
5	**Overheads**	**$102,172.56**
6	**Common Retirement Overheads**	**$89,367.44**
7	Added Overhead Staff for Common Retirement	$89,367.44
8	**Common Retirment Equipment Rental**	**$12,805.12**
9	Common Removal Equipment Rental	$12,805.12
10	**Retirement Activities**	**$263,301.60**
11	**Administration Building**	**$17,175.60**
12	Secure Administration Building	$17,175.60
13	**Fuel Yard Office Building**	**$10,305.36**
14	Secure Fuel Yard Office Building	$10,305.36
15	**Training Building**	**$10,305.36**
16	Secure Training Building	$10,305.36
17	**Warehouse(s)**	**$10,607.20**
18	Secure Unit 1 Warehouse	$3,736.96
19	Secure Unit 2 Warehouse	$6,870.24
20	**Maintenance Shop**	**$25,951.20**
21	Secure Maintenance Shop	$25,951.20
22	**Fuel Yard**	**$131,234.64**
23	**Transfer Towers**	**$80,527.44**
24	Clean Transfer Tower 1	$3,784.08
25	Clean Transfer Tower 2	$3,784.08
26	Clean and Secure Crusher Building	$6,306.80
27	Clean Stockout Conveyor Reclaim Pit	$12,613.60
28	**Conveyors**	**$17,659.04**
29	Clean Conveyor 2A, 4, 5B 6A, 6B, 7A and 7B	$17,659.04
30	**Car Dumper**	**$8,829.52**
31	Empty Car Dumper Hoppers	$1,261.36
32	Clean Car Dumper	$3,784.08
33	Secure Dumper Building	$3,784.08
34	**Remove Stacker/Reclaimer**	**$19,173.20**
35	Clean and Secure Stacker/Reclaimer	$6,306.80
36	**Unit 1 Reclaim**	**$5,045.44**
37	Clean Unit 1 Reclaim	$2,522.72
38	Secure Unit 1 Reclaim Building	$2,522.72
39	**Sewage Treatment**	**$4,202.72**
40	Clean Sewage Treatment and Transfer Points	$4,202.72
41	**Fuel Oil Storage and Unloading**	**$842.72**
42	Remove Fuel Oil from Fuel Oil Storage and Vent	$842.72
43	**Yard Fire Water Systems**	**$842.72**
44	Drain Yard Fire Water System	$842.72

Iatan Common Retirement		
ID	Task Name	Cost
45	**Reagent Prep and Gypsum Handling**	**$29,365.20**
46	Clean and Secure Limestone Unloading Facility	$3,784.08
47	Clean and Secure Limestone Storage Facility	$3,784.08
48	Clean Limestone Conveyor	$3,859.92
49	Clean and Secure Limestone Prep Building	$6,433.20
50	Clean Gypsum Stackout Conveyor	$2,573.28
51	Clean and Secure PCM-1	$2,573.28
52	Clean and Secure PCM-2	$2,573.28
53	Clean and Secure the Vacuum Pump and Air Compressor Building	$3,784.08
54	**Water Pretreatment and ZLD**	**$22,468.88**
55	Drain and Clean Clarifiers	$3,784.08
56	Drain and Clean ZLD System	$7,568.16
57	Clean and Secure ZLD Building	$8,593.92
58	Drain and Vent Storage Tanks	$2,522.72
59	**Post Retirement Closure Activities**	**$32,080.80**
60	Post Retirement Closure Activities	$32,080.80

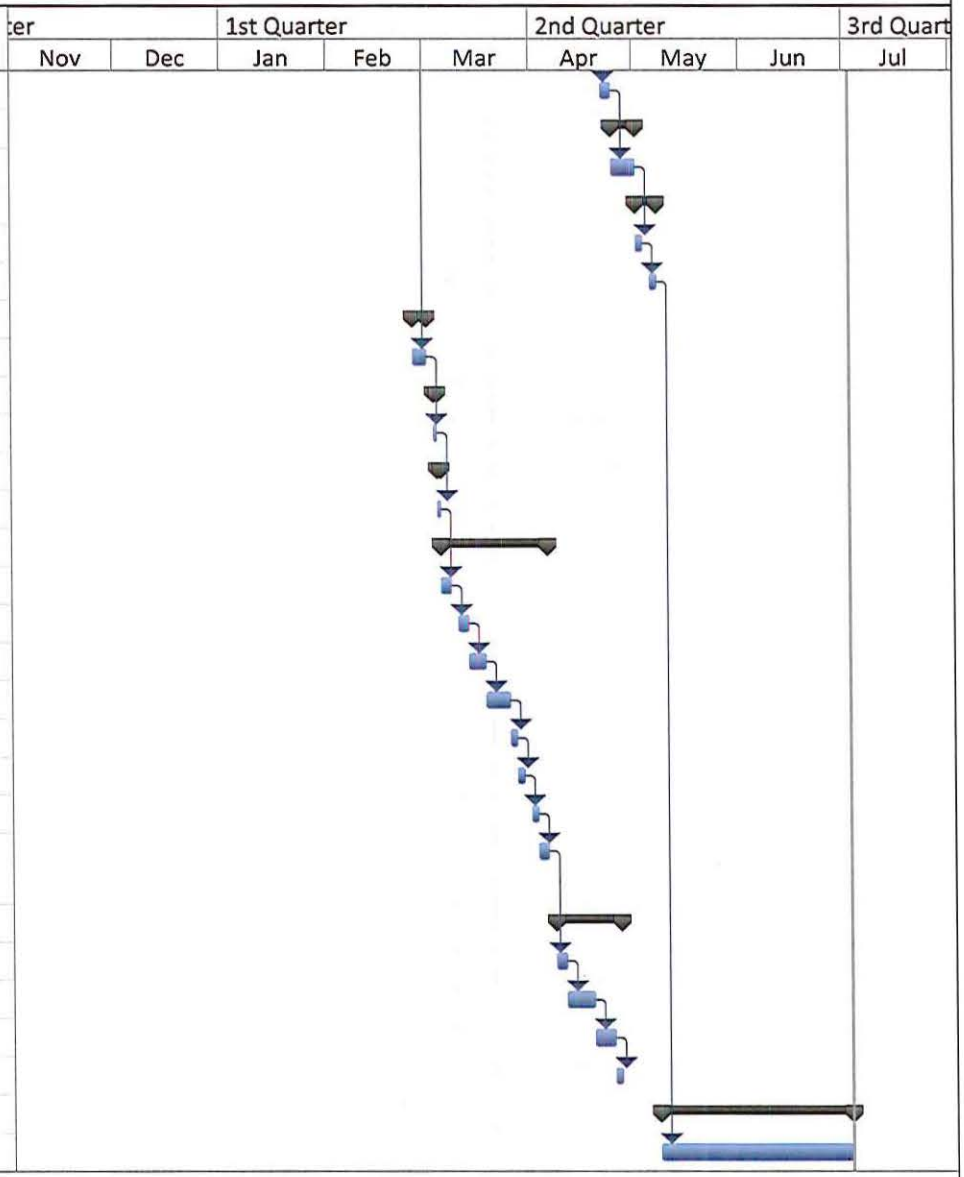
Iatan Common Retirement

ID	Task Name	Duration
1	**Iatan Common Retirement**	**131 days**
2	**Pre-Retirement Activities**	**40 days**
3	Permitting Review	20 days
4	Develop Detailed Retirement Plan	20 days
5	**Overheads**	**61 days**
6	**Common Retirement Overheads**	**61 days**
7	Added Overhead Staff for Common Retirement	61 days
8	**Common Retirment Equipment Rental**	**61 days**
9	Common Removal Equipment Rental	61 days
10	**Retirement Activities**	**61 days**
11	**Administration Building**	**15 days**
12	Secure Administration Building	15 days
13	**Fuel Yard Office Building**	**9 days**
14	Secure Fuel Yard Office Building	9 days
15	**Training Building**	**9 days**
16	Secure Training Building	9 days
17	**Warehouse(s)**	**8 days**
18	Secure Unit 1 Warehouse	2 days
19	Secure Unit 2 Warehouse	6 days
20	**Maintenance Shop**	**20 days**
21	Secure Maintenance Shop	20 days
22	**Fuel Yard**	**51 days**
23	**Transfer Towers**	**21 days**
24	Clean Transfer Tower 1	3 days
25	Clean Transfer Tower 2	3 days
26	Clean and Secure Crusher Building	5 days
27	Clean Stockout Conveyor Reclaim Pit	10 days
28	**Conveyors**	**14 days**
29	Clean Conveyor 2A, 4, 5B 6A, 6B, 7A and 7B	14 days
30	**Car Dumper**	**7 days**
31	Empty Car Dumper Hoppers	1 day
32	Clean Car Dumper	3 days



Iatan Common Retirement

ID	Task Name	Duration
33	Secure Dumper Building	3 days
34	**Remove Stacker/Reclaimer**	**5 days**
35	Clean and Secure Stacker/Reclaimer	5 days
36	**Unit 1 Reclaim**	**4 days**
37	Clean Unit 1 Reclaim	2 days
38	Secure Unit 1 Reclaim Building	2 days
39	**Sewage Treatment**	**4 days**
40	Clean Sewage Treatment and Transfer Points	4 days
41	**Fuel Oil Storage and Unloading**	**1 day**
42	Remove Fuel Oil from Fuel Oil Storage and Vent	1 day
43	**Yard Fire Water Systems**	**1 day**
44	Drain Yard Fire Water System	1 day
45	**Reagent Prep and Gypsum Handling**	**23 days**
46	Clean and Secure Limestone Unloading Facility	3 days
47	Clean and Secure Limestone Storage Facility	3 days
48	Clean Limestone Conveyor	3 days
49	Clean and Secure Limestone Prep Building	5 days
50	Clean Gypsum Stackout Conveyor	2 days
51	Clean and Secure PCM-1	2 days
52	Clean and Secure PCM-2	2 days
53	Clean and Secure the Vacuum Pump and Air Compressor Building	3 days
54	**Water Pretreatment and ZLD**	**15 days**
55	Drain and Clean Clarifiers	3 days
56	Drain and Clean ZLD System	6 days
57	Clean and Secure ZLD Building	4 days
58	Drain and Vent Storage Tanks	2 days
59	**Post Retirement Closure Activities**	**40 days**
60	Post Retirement Closure Activities	40 days



Iatan Common Dismantlement

Owner Additional Costs				
Pre-Dismantlement Activities			$0	
Overhead During Dismantlement			$0	
Post-Dismantlement Activities				
Owner Costs Total*				$0
Demolition General Contractor (DGC) Costs				
Additional Site Management			$86,011	
Equipment Rental			$419,326	
Consummables			$628,251	
Scrap Crew(s)			$623,393	
Dismantlement			$14,083,108	
Contractor Direct Cost*		$15,840,089		
Contractor Allowances				
DGC Insurance	2.00%		$316,802	
Contingency/Profit	15.00%		$2,423,534	
Performance Bond	2.00%		$371,608.49	
Contractor Costs Total:				$18,952,033
Total:				$18,952,033
Owner Internal Costs:	5.00%			$947,602
Owner Contingency:	25.00%			$4,974,909
Iatan Common Dismantlement Opinion of Probable Cost:				$24,874,543

*Owner Costs Total + Contractor Direct Costs = Manpower Loaded Schedule Total w/o Contractor Allowances
= $15,840,089

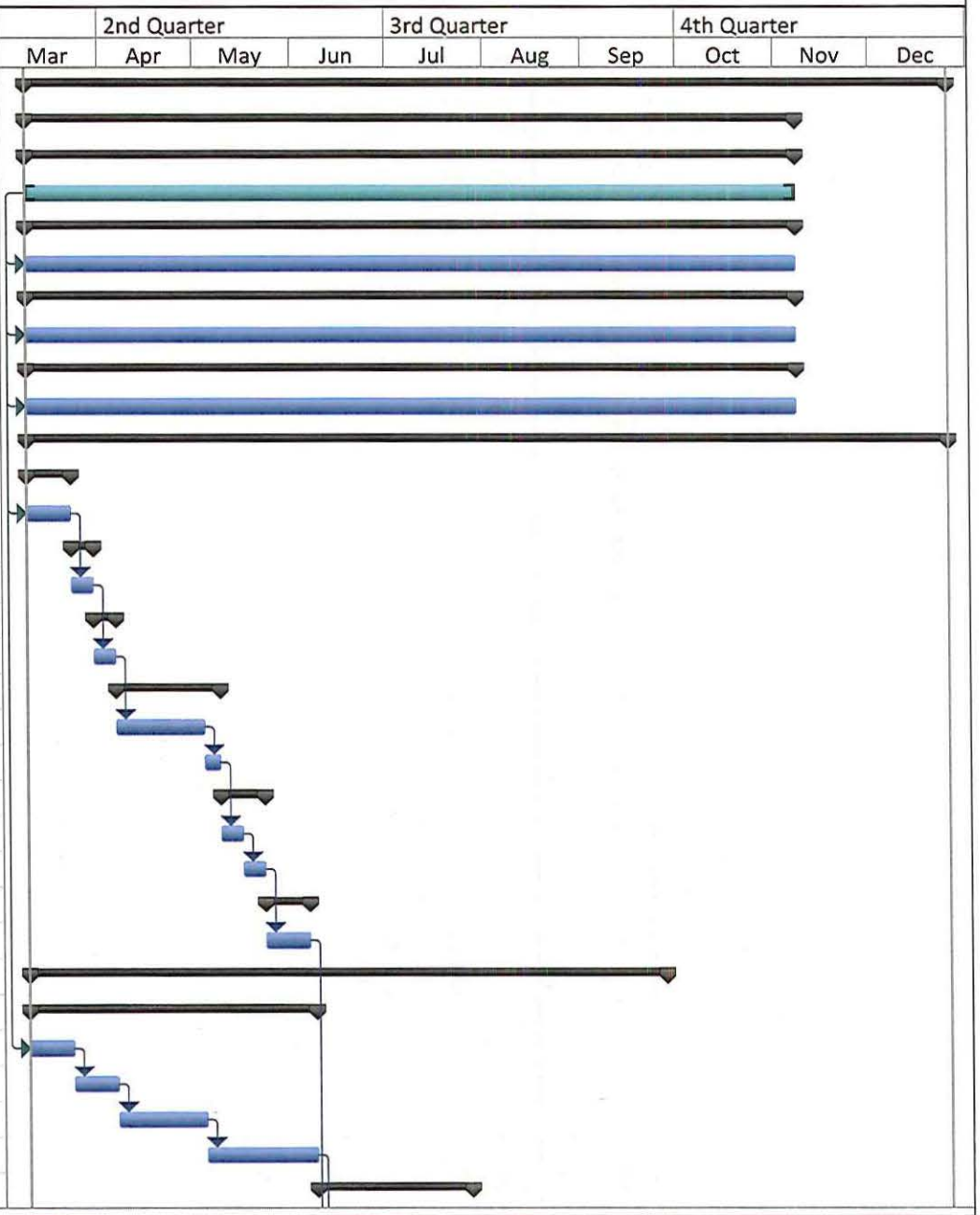
Iatan Common Dismantlement

ID	Task Name	Cost
1	**Iatan Common Dismantlement**	**$15,840,077.07**
2	**Overheads**	**$1,756,968.56**
3	**Common Removal Overheads**	**$86,011.67**
4	Added Overhead Staff for Common Removals	$86,011.67
5	**Common Removal Equipment Rental**	**$419,326.08**
6	Common Removal Equipment Rental	$419,326.08
7	**Scrap Crew**	**$623,393.36**
8	Crew(s) to Handle Scrap Material	$623,393.36
9	**Demolition Contractor Consummables**	**$628,237.44**
10	Consummables	$628,237.44
11	**Dismantlement Activities**	**$14,083,108.51**
12	**Administration Building**	**$35,827.20**
13	Remove Administration Building	$35,827.20
14	**Fuel Yard Office Building**	**$17,913.60**
15	Remove Fuel Yard Office Building	$17,913.60
16	**Training Building**	**$17,913.60**
17	Remove Training Building	$17,913.60
18	**Parking Lots and Plant Roads**	**$82,402.56**
19	Plant Roads and Parking Areas	$71,654.40
20	Guard Shack	$10,748.16
21	**Warehouse(s)**	**$35,827.20**
22	Remove Unit 1 Warehouse	$17,913.60
23	Remove Unit 2 Warehouse	$17,913.60
24	**Maintenance Shop**	**$23,215.20**
25	Remove Maintenance Shop	$23,215.20
26	**Fuel Yard**	**$752,371.20**
27	**Remove Transfer Towers**	**$465,753.60**
28	Transfer Tower 1	$35,827.20
29	Transfer Tower 2	$35,827.20
30	Crusher Building	$71,654.40
31	Stockout Conveyor Reclaim Pit	$89,568.00
32	**Remove Conveyors**	**$125,395.20**
33	Conveyor 2A, 4, 5B 6A, 6B, 7A and 7B	$125,395.20
34	**Remove Car Dumper**	**$89,568.00**
35	Remove Underground Equipment	$17,913.60
36	Remove Above Ground Equipment	$35,827.20
37	Remove Building	$17,913.60
38	Backfill Dumper Structure	$17,913.60
39	**Remove Stacker/Reclaimer**	**$7,165.44**
40	Remove Stacker/Reclaimer	$3,582.72
41	**Remove Unit 1 Reclaim**	**$64,488.96**
42	Remove Underground Equipment	$17,913.60
43	Remove Above Ground Equipment	$17,913.60
44	Remove Building	$14,330.88

Iatan Common Dismantlement		
ID	Task Name	Cost
45	Backfill Structure	$14,330.88
46	**Sewage Treatment**	**$21,496.32**
47	Remove Sewage Treatment Pumps and Miscellaneous Equipment	$7,165.44
48	Remove Sewage Treatment Concrete Structures	$14,330.88
49	**Yard Fire Water Systems**	**$35,827.20**
50	Remove Hydrants and Fire Water System Piping Down to 3' Below Grade	$35,827.20
51	**Water Pretreatment Clarifiers and ZLD**	**$121,812.48**
52	Remove Clarifier Vessels	$10,748.16
53	Remove Pump House	$17,913.60
54	Remove Clarifier Water Storage Tanks	$17,913.60
55	Remove Water Treatment Equipment	$10,748.16
56	Remove Water Treatment Building	$17,913.60
57	Remove ZLD Equipment	$10,748.16
58	Remove ZLD Building	$17,913.60
59	Remove Condensate Storage Tanks	$17,913.60
60	**Stacks**	**$11,027,325.89**
61	Remove Unit 1 Stack to Grade	$4,198,401.00
62	Remove Common Stack to Grade	$6,828,924.89
63	**Reagent Prep and Gypsum Handling**	**$336,775.68**
64	Remove Limestone Unloading Facility	$35,827.20
65	Remove Limestone Storage Facility	$17,913.60
66	Remove Limestone Conveyor	$17,913.60
67	Remove Limestone Prep Building	$143,308.80
68	Remove Gypsum Stackout Conveyor	$17,913.60
69	Remove PCM-1	$7,165.44
70	Remove PCM-2	$7,165.44
71	Remove the Vacuum Pump and Air Compressor Building	$71,654.40
72	Remove Miscellaneous Equipment	$17,913.60
73	**Final Site Grading and Drainage**	**$1,574,400.38**
74	Final Site Grading and Drainage	$1,574,400.38

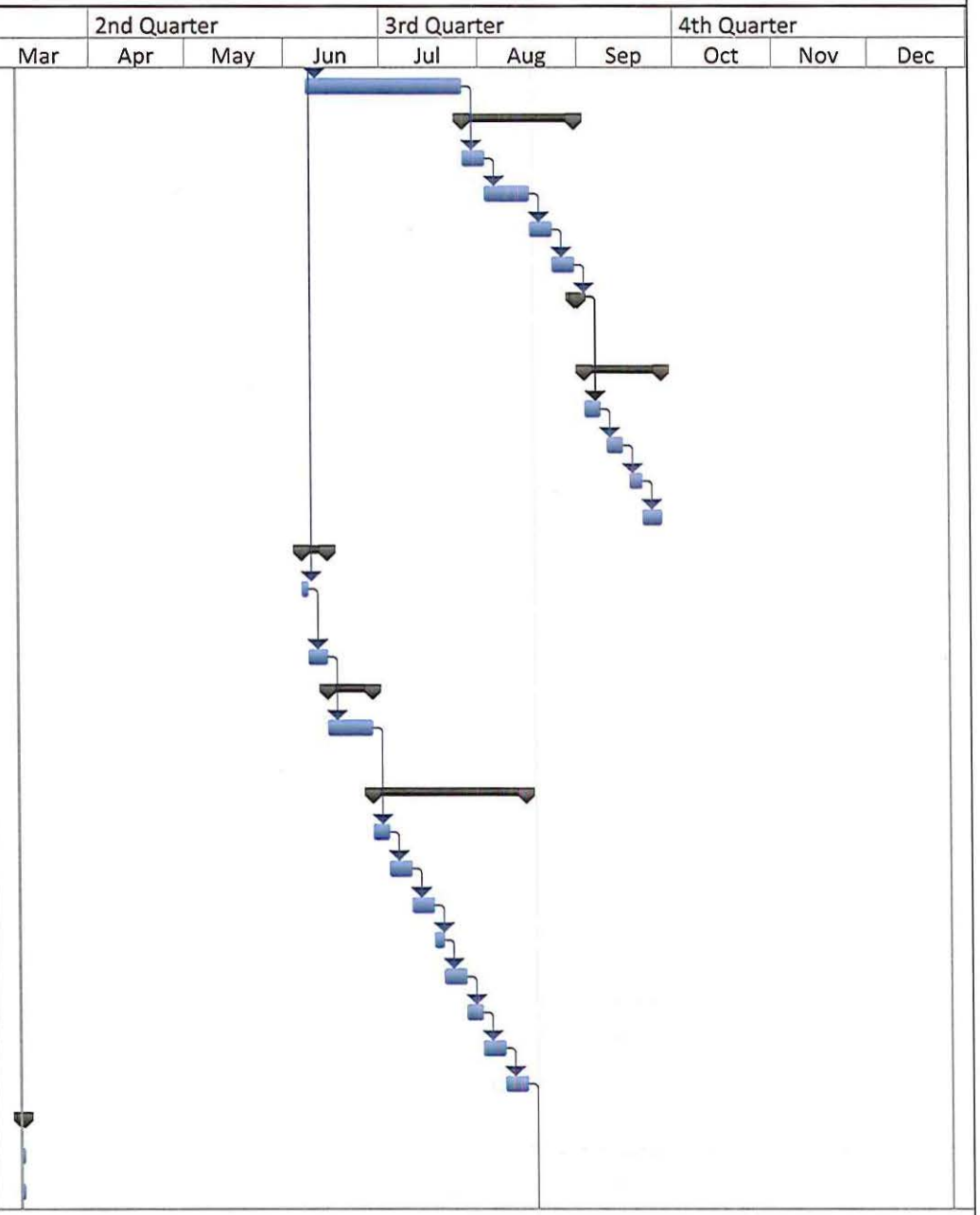
Iatan Common Dismantlement

ID	Task Name	Duration
1	**Iatan Common Dismantlement**	**208 days?**
2	**Overheads**	**174 days**
3	**Common Removal Overheads**	**174 days**
4	Added Overhead Staff for Common Removal	174 days
5	**Common Removal Equipment Rental**	**174 days**
6	Common Removal Equipment Rental	174 days
7	**Scrap Crew**	**174 days**
8	Crew(s) to Handle Scrap Material	174 days
9	**Demolition Contractor Consummables**	**174 days**
10	Consummables	174 days
11	**Dismantlement Activities**	**208 days?**
12	**Administration Building**	**10 days**
13	Remove Administration Building	10 days
14	**Fuel Yard Office Building**	**5 days**
15	Remove Fuel Yard Office Building	5 days
16	**Training Building**	**5 days**
17	Remove Training Building	5 days
18	**Parking Lots and Plant Roads**	**23 days**
19	Plant Roads and Parking Areas	20 days
20	Guard Shack	3 days
21	**Warehouse(s)**	**10 days**
22	Remove Unit 1 Warehouse	5 days
23	Remove Unit 2 Warehouse	5 days
24	**Maintenance Shop**	**10 days**
25	Remove Maintenance Shop	10 days
26	**Fuel Yard**	**144 days?**
27	**Remove Transfer Towers**	**65 days**
28	Transfer Tower 1	10 days
29	Transfer Tower 2	10 days
30	Crusher Building	20 days
31	Stockout Conveyor Reclaim Pit	25 days
32	**Remove Conveyors**	**35 days**



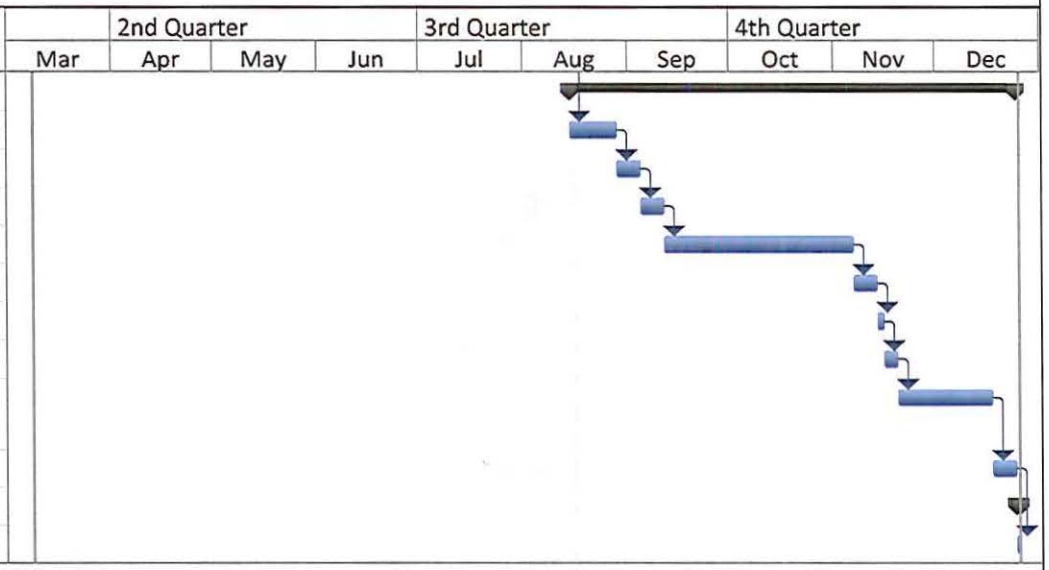
Iatan Common Dismantlement

ID	Task Name	Duration
33	Conveyor 2A, 4, 5B 6A, 6B, 7A and 7B	35 days
34	**Remove Car Dumper**	**25 days**
35	Remove Underground Equipment	5 days
36	Remove Above Ground Equipment	10 days
37	Remove Building	5 days
38	Backfill Dumper Structure	5 days
39	**Remove Stacker/Reclaimer**	**1 day?**
40	Remove Stacker/Reclaimer	
41	**Remove Unit 1 Reclaim**	**18 days**
42	Remove Underground Equipment	5 days
43	Remove Above Ground Equipment	5 days
44	Remove Building	4 days
45	Backfill Structure	4 days
46	**Sewage Treatment**	**6 days**
47	Remove Sewage Treatment Pumps and Miscellaneous Equipment	2 days
48	Remove Sewage Treatment Concrete Structu	4 days
49	**Yard Fire Water Systems**	**10 days**
50	Remove Hydrants and Fire Water System Piping Down to 3' Below Grade	10 days
51	**Water Pretreatment Clarifiers and ZLD**	**34 days**
52	Remove Clarifier Vessels	3 days
53	Remove Pump House	5 days
54	Remove Clarifier Water Storage Tanks	5 days
55	Remove Water Treatment Equipment	3 days
56	Remove Water Treatment Building	5 days
57	Remove ZLD Equipment	3 days
58	Remove ZLD Building	5 days
59	Remove Condensate Storage Tanks	5 days
60	**Stacks**	**1 day?**
61	Remove Unit 1 Stack to Grade	1 day?
62	Remove Common Stack to Grade	1 day?



Iatan Common Dismantlement

ID	Task Name	Duration
63	**Reagent Prep and Gypsum Handling**	**94 days**
64	Remove Limestone Unloading Facility	10 days
65	Remove Limestone Storage Facility	5 days
66	Remove Limestone Conveyor	5 days
67	Remove Limestone Prep Building	40 days
68	Remove Gypsum Stackout Conveyor	5 days
69	Remove PCM-1	2 days
70	Remove PCM-2	2 days
71	Remove the Vacuum Pump and Air Compressor Building	20 days
72	Remove Miscellaneous Equipment	5 days
73	**Final Site Grading and Drainage**	**1 day?**
74	Final Site Grading and Drainage	1 day?



APPENDIX B

OPINIONS OF COSTS FOR SCRAP

OPINIONS OF SCRAP VALUES

The opinion of scrap value was based on a scrap value of:

1. Mixed Scrap: $370.00/GT.
2. Insulated Cables: $2.56/lb.
3. Motors: $0.37/lb.

These scrap values were taken from www.scrapmonster.com. This website is an industry-recognized source of scrap information that provides daily scrap pricing for the worldwide scrap market.

Attached in the back of this Appendix is information that was developed from the quantities used to build a 20-MW, coal-fired power plant (CFPP) located in the Midwest. Per the attached spreadsheet:

1. 20-MW, CFPP Scrap Value: $483,672.

The AACE International Capacity Factor Method (AACE) was used to estimate the scrap value of the other coal-fired units. The capacity factor method is based on the following calculation:

UnitA(scrap value)=CFPP(scrap value)*(CapacityUnitA/CapacityCFPP)^e

Where:

1. UnitA(scrap value) = Unit A Scrap Value.
2. CFPP(scrap value)= 20-MW, CFPP Scrap Value: $483,672.
3. CapacityUnitA = Capacity of Unit A.
4. CapacityCFPP = 20 MW.
5. e = Proration Factor: 0.6 per the AACE guidelines.

Therefore, the scrap value of the other CFPPs is as follows:

SIBLEY UNIT 1

1. Capacity A = 51 MW.
2. Scrap Value = $848,154.

SIBLEY UNIT 2

1. Capacity A = 51 MW.
2. Scrap Value = $848,154.

SIBLEY UNIT 3

1. Capacity A = 363.8 MW.
2. Scrap Value = $2,757,087.

LAKE ROAD 4/6

1. Capacity A = 99 MW.
2. Scrap Value = $1,262,740.

The value of the common portion of these facilities was estimated at approximately 12-percent of the combined scrap values of the units on site.

Therefore:

1. Sibley Common: Scrap Value = $1,564,200.
2. Lake Road Common: Scrap Value = $248,964.

The scrap value of a 75-MW combustion turbine was calculated based on the following scrap weights:

1. Combustion Turbine: 250,000 lbs.
2. Generator: 280,000 lbs.
3. Total: 530,000 lbs.
4. Scrap Value of a 75-MW Combustion Turbine:
   (530,000 lbs/2,000 lbs/ton) * 370/GT = $98,000.

The AACE method was used to estimate the scrap value of the GMO combustion turbines as described above.

SOUTH HARPER

1. Capacity A = 104.6 MW.
2. Number of CTs = Three.
3. Scrap Value = $358,946.

GREENWOOD

1. Capacity A = 63.2 MW.
2. Number of CTs = Four.
3. Scrap Value = $353,746.

CROSSROADS

1. Capacity A = 74.2 MW.
2. Number of CTs = Four.
3. Scrap Value = $389,486.

KCI

1. Capacity A = 21 MW.
2. Number of CTs = Two.
3. Scrap Value = $91,317.

NEVADA

1. Capacity A = 21 MW.
2. Number of CTs = One.
3. Scrap Value = $45,397.

RALPH GREEN

1. Capacity A = 71.5 MW.
2. Number of CTs = One.
3. Scrap Value = $95,230.

LAKE ROAD CT 5

1. Capacity A = 63 MW.
2. Number of CTs = One.
3. Scrap Value = $88,266.

LAKE ROAD CTS 6 AND 7

1. Capacity A = 21 MW.
2. Number of CTs = Two.
3. Scrap Value = $91,317.

The approximate weight of a 160-MW turbine is 342 tons. The AACE method was used to estimate the weight of the Lake Road turbines to determine scrap value.

LAKE ROAD STEAM TURBINE GENERATOR 1

1. Weight = 103 tons.
2. Scrap Value = $38,162.

LAKE ROAD STEAM TURBINE GENERATOR 2

1. Weight = 118 tons.
2. Scrap Value = $43,797.

LAKE ROAD STEAM TURBINE GENERATOR 3

1. Weight = 69 tons.
2. Scrap Value = $25,661.

The approximate weight of the boiler that produces 220,000 lbs/hr of steam is 561 tons. The AACE method was used to estimate the weight of the Lake Road boilers to determine scrap value.

LAKE ROAD BOILER 1

1. Weight = 317 tons.
2. Scrap Value = $117,312.

LAKE ROAD BOILER 2

1. Weight = 317 tons.
2. Scrap Value = $117,312.

LAKE ROAD BOILER 3

1. Weight = 410 tons.
2. Scrap Value = $151,376.

LAKE ROAD BOILER 4

1. Weight = 530 tons.
2. Scrap Value = $196,024.

LAKE ROAD BOILER 5

1. Weight = 605 tons.
2. Scrap Value = $224,107.

LAKE ROAD BOILER 8

1. Weight = 605 tons.
2. Scrap Value = $224,107.

KCP&L-GMO
Baghouse Weights

Baghouse Ductwork and Paneling Weights

Member	Number	Length (foot)	lb/foot	weight (lb)
L2X2X1/4	4	6	3.19	76.56
C5X6.7	4	36	6.7	964.8
C6X8.2	4	25	8.2	820
L3X2X1/4	4	13	4.1	213.2
C5X6.7	2	45	6.7	603
C7X9.8	1	52	9.8	509.6
W10X26	1	30	26	780
L2 1/2X1 1/2 X 1/4	1	23	3.22	74.06
C5X6.7	1	60	6.7	402
W10X26	1	20	26	520
C5X6.7	1	2332	6.7	15624.4
C5X6.7	2	3424	6.7	45881.6
C4x5.4	2	440	5.4	4752
C5X6.7	1	990	6.7	6633
W10X26	1	1164	26	30264
				108,118 lbs
Assume plate adds 50% additional weight:				162,177 lbs

Weight of Ductwork: **270,296** lbs

Drawings of the baghouse structural steel was not available.
Assume that the steel weighs approximately 60% of the boiler steel: **138,000** lbs

Total Estimated Scrap Weight of Baghouse: **408,000** lbs

KCP&L-GMO
Pipe Weights (per Unit)

Pipe Description	Length (ft)	Material Spec.	Equipment List #	Found on sheet:	Pipe Diameter	Unit Weight (lbs.)	Total Weight (lbs.)
8" Main Steam	112	P1	A01	8, 9, 18, 19	8	50.9	5700.8
4" Aux from Main to PRV	15	P1	A02	19	4	14.98	224.7
6" Steam from A2 to Desuperheating nozzle	8.5	P1	A03	19	6	28.57	242.845
3" Aux Steam	99	P1	A04	8, 9, 18, 19	3	10.25	1014.75
2" Aux Steam	13	P1	A05	8	2	5.02	65.26
1.5" Steam from A5 to Aux Oil Turbine Pump	58	P1	A06	8	1.5	3.63	210.54
1" Aux Steam from A5 to Starting Ejector	16.5	P1	A07	8	1	2.17	35.805
Auxillary steam PRV to flange past 260# safty valve	45	P2	A08	18	6	28.57	1285.65
A8 to 260# header	5	P5	A09	18	6	18.97	94.85
260# common header	25	P5	A11	18, 21	6	18.97	474.25
A11 to 150# safty valve	1	P5	A12	18	1	28.57	28.57
150# steam header	7	P5	A13	18	6	18.97	132.79
A13 to boiler burner header	10	P5	A14	18	6	18.97	189.7
A22 to building heating system	70	P5	A23	18	6	18.97	1327.9
A22 to intake structure heating system	45	P5	A24	18, 21	3	18.97	853.65
10" Extraction No. 4 to Heater No. 1	21	P5	B01	11, 13	10	40.5	850.5
8" Extraction No. 3 to Heater No. 2	135	P5	B02	11, 14, 16	8	28.6	3861
6" Extraction No. 2 to Heater No. 3	36	P5	B03	11, 13	6	18.97	682.92
6" Extraction (B3) to 8" Extraction (B2)	20	P5	B04	11	6	18.97	379.4
6" Extraction (B3) to Evaporator	96	P5	B05	11, 14, 16	6	18.97	1821.12
4" Extraction No. 1 to Heater No. 4	54	P5	B06	11, 14	4	10.79	582.66
4" Extraction (B6) to 8" Extraction (B2)	22	P5	B07	11, 14	4	10.79	237.38
4" Extraction (B6) to B5	11	P5	B08a	11	4	10.79	118.69
4" Extraction (B6) to B5	18	P5	B08b	11	6	18.97	341.46
8" Line from B2 to Back Pressure Valve	16	P5	C01	16	8	28.6	457.6
8" line from Evaporator to C1	8.5	P5	C02	16	8	28.6	243.1
Evaporator to Evaporator Feed Heater	7.5	P5	C03	16	8	28.6	214.5
8" Steam Exhaust	134	P5	C04a		8	28.6	3832.4
6" Disch. From Priming Eject	28.5	P5	C04b	8, 9	6	18.97	540.645
4" Exhaust from Aux Oil Pump	45.5	P5	C05	8, 9	4	10.79	490.945
B.F.P. Turbine Exhaust to line B2	7	P5	C06	15	8	28.6	200.2
B.F. Pumps Disch. To and including Header	153	P3	D01	11, 15, 18, 19, 20,	4	14.98	2291.94
Header to Heater No. 3 including bypass	25	P3	D02	12	4	14.98	374.5
Heater No. 3 to Heater No. 4 including bypass	30	P3	D03	12	4	14.98	449.4
Heater No. 4 to Boiler stop check valve	30	P3	D04	14	4	14.98	449.4
Emergency feed from D1 to boiler stop check valve	30	P3	D05	14	4	14.98	449.4

KCP&L-GMO
Pipe Weights (per Unit)

Pipe Description	Length (ft)	Material Spec.	Equipment List #	Found on sheet:	Pipe Diameter	Unit Weight (lbs.)	Total Weight (lbs.)
T.D.B.F. Pump recirculation to Htr. No. 2	64	P3	D06a	12, 16	1.25	3	192
T.D.B.F. Pump recirculation to Htr. No. 2	18	P3	D06b	12, 16	1	2.17	39.06
M.D.B.F. Pump recirculation to D6	5	P3	D07	12	1	2.17	10.85
D1 to desuperheater in line A8	42	P3	D08	19	1	2.17	91.14
D8 to Chem Feed Tank	57	P3	D09	11, 12, 15, 19	1.25	3	171
Chem Feed tank to boiler connection	28	P3	D10	19	1	2.17	60.76
Hotwell to Condensate Pumps	2	P6	E01	13	6	18.97	37.94
Condensate pump to condensate cooler including bypass	35	P6	E02	11, 15	4	10.79	377.65
Condensate cooler to hyd. Cooler including bypass	16	P6	E03a	11	4	10.79	172.64
Condensate cooler to hyd. Cooler including bypass	35	P6	E03b	11	6	18.97	663.95
Hyd. Cooler to air ejector	15	P6	E04	11, 13	4	10.79	161.85
E3 to bearing water make-up	25	P6	E05a	11	2	3.65	91.25
E3 to bearing water make-up	14	P6	E05b	11	1.5	1.09	15.26
E5 to gland water storage	103	P6	E06	11, 16	1.5	1.09	112.27
Air ejector to Heater No. 1 including bypass	35	P6	E07	13	4	10.79	377.65
Recirculation line from E7 to condenser	20	P6	E08	13	2.5	5.79	115.8
bypass from E7 to lower surge tank	15	P6	E09	14	3	7.58	113.7
Heater No. 1 to Heater No. 2	62	P6	E10	14, 16	6	18.97	1176.14
Heater No. 1 to Drip Pump	18	P6	E11	15	2.5	5.79	104.22
Drip Pump to E10	9	P6	E12	14	2.5	5.79	52.11
Recirculation line from E12 to Heater No. 1	21	P6	E13	14	3	7.58	159.18
Drip Pump bypass from E11 to condenser.	6	P6	E14	15	3	7.58	45.48
Return line from lower surge tank to condenser	40	P6	E15	12, 14	3	7.58	303.2
Lower Surge Tank to transfer pump	5	P6	E16	14	4	10.79	53.95
Transfer pump to E10	18	P6	E17	12	3	7.58	136.44
Heater No. 2 to B.F. Pumps	74	P6	E18	12, 15, 16	1.25	3	222
Heater No. 2 overflow to lower surge tank	58	P6	E19	12, 15, 16	6	18.97	1100.26
Heater No. 2 drain to line E19	4.5	P6	E20	16	2	3.65	16.425
Line E19 to drain	25	P6	E21	14, 15	6	18.97	474.25
Lower surge tank overflow to line E21	10	P6	E22	14	3	7.58	75.8
Gland seal water tank to turbine	same as E6	same as E6	E23	same as E6	same as E6		n/a
Heater No. 1 bypass from line E29 to E14	10	P6	E24	15	2.5	5.79	57.9

KCP&L-GMO
Pipe Weights (per Unit)

Pipe Description	Length (ft)	Material Spec.	Equipment List #	Found on sheet:	Pipe Diameter	Unit Weight (lbs.)	Total Weight (lbs.)
Condensate return header from lower surge tank No. 1 to lower surge tank No. 2	60	P6	E25	17	4	10.79	647.4
Heater No. 4 drips to Heater No. 3	13	P6	E26	13, 14	2.5	5.79	75.27
Heater No. 3 bypass from line E26 to line E28	10	P6	E27	14	2.5	5.79	57.9
Heater No. 3 drips to Heater No. 2	53	P6	E28	15, 16	4	10.79	571.87
Line E28 to Heater No. 1	19	P6	E29	15	2.5	5.79	110.01
Boiler drum safety valve vents through roof	63	P6	G01	22	8	28.6	1801.8
superheater safety valve vent thru roof	61.5	P6	G02	22	6	18.97	1166.655
Drip pan elbows to line F8		P6	G03				0
Safety valve drains to line G3		P6	G04				0
Condensate pump vents to condenser	21	P6	G05	13, 15	4	10.79	226.59
Heater No.1 vent to condenser	15	P6	G06	15	3	7.58	113.7
Drip Pump vent to Heater No. 1	10	P6	G07	15	3	7.58	75.8
Blowdown tank vent thru roof	102	P6	G08	20	8	28.6	2917.2
Drain header to ash sump	43	P6	G09	17	3	7.58	325.94
Evaporator drain to line G9	56	P6	G10	17	3	7.58	424.48
Evaporator Feed Heater drain to line G10	71	P6	G11	16, 17	3	7.58	538.18
6" Air Suction	51	P6	K1 & K2	8, 9	6	18.97	967.47

Total Weight (per Unit): **47,554** lbs
Total Weight: **95,108** lbs

APPENDIX C

REFERENCE DOCUMENTS

REFERENCE DOCUMENTS

1. *Decommissioning Handbook for Coal-Fired Power Plants*, EPRI, Palo Alto, CA: 2004. (1011220)

2. *Decommissioning Process for Fossil-Fueled Power Plants*, EPRI, Palo Alto, CA: 2010. (1020652)

3. Association for the Advancement of Cost Estimating (AACE) International, *Skills and Knowledge of Cost Engineering*, 5th Edition, 2004.

4. Combustion Fossil Power, Fourth Edition, 1991.

5. Steam Its Generation and Use, 40th Edition, 1992.

6. Daniel International Corporation, La Cygne Station - Unit 2, Weekly Progress Report No. 175, October 1, 1976.

7. Black & Veatch, Iatan Steam Generating Station Monthly Progress Report, November 1979.

APPENDIX D

ARO - SOURCE OF REQUIREMENT

Appendix D
ARO - Source of Requirement

Station	Equipment		Source of Requirement
Greenwood	Fuel Oil Storage Tanks		Missouri Regulation 10 CSR 26-5.020 Release Reporting and Initial Release Response Measures
Nevada	Fuel Oil Storage Tank		Missouri Regulation 10 CSR 26-5.020 Release Reporting and Initial Release Response Measures
Ralph Green	Ash Pond Landfill Closure		Missouri Regulation 10 CSR 80-2.030
Sibley	Propane Storage Tanks		Missouri Regulation 10 CSR 20-15.020 Release Reporting and Initial Release Response Measures
	Common Pond		Missouri State Operating Permit MO-0004871, Missouri Regulation 10 CSR 80-2.030
	Landfill Stage A		Solid Waste Operating Permit #709505
	Units 1 & 2 River Intake		US Army Corps of Engineers Section 10 Permit - Rivers & Harbor Act of March 3, 1899
	Unit 3 River Intake		US Army Corps of Engineers Section 10 Permit - Rivers & Harbor Act of March 3, 1899
Lake Road	Boiler 5 Pond		Missouri State Operating Permit MO-0004898
	Turbine Generator 4 River Intake		US Army Corps of Engineers Section 10 Permit - Rivers & Harbor Act of March 3, 1899
	Boiler 5 Tank		Missouri Regulation 10 CSR 26-5.020 Release Reporting and Initial Release Response Measures
	Boiler 6 Tank		Missouri Regulation 10 CSR 26-5.020 Release Reporting and Initial Release Response Measures
	Boiler 7 Tank		Missouri Regulation 10 CSR 26-5.020 Release Reporting and Initial Release Response Measures
Iatan	Iatan Fuel Oil Tank Removal		Missouri Regulation 10 CSR 26-5.020 Release Reporting and Initial Release Response Measures
	Iatan Landfill Retirement		Solid Waste Operating Permit No. 0916501