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APPLICATION OF SOUTHWESTERN PUBLIC SERVICE COMPANY TO AMEND ITS CERTIFICATE OF CONVENIENCE AND NECESSITY TO CONVERT HARRINGTON GENERATING STATION FROM COAL TO NATURAL GAS	§	**BEFORE THE STATE OFFICE OF ADMINISTRATIVE HEARINGS**

SOUTHWESTERN PUBLIC SERVICE COMPANY'S RESPONSE TO SIERRA CLUB'S FOURTH REQUEST FOR INFORMATION QUESTION NOS. 4-1 THROUGH 4-7

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SOUTHWESTERN PUBLIC SERVICE COMPANY'S
RESPONSE TO SIERRA CLUB'S
FOURTH REQUEST FOR INFORMATION
QUESTION NOS. 4-1 THROUGH 4-7

Southwestern Public Service Company ("SPS") files this response to the Sierra Club's Fourth Request for Information, Question Nos. 4-1 through 4-7. SPS has provided notice, by email, to all parties that SPS's Responses to Sierra Club's Fourth Request for Information and accompanying exhibits (excluding voluminous and exhibits provided pursuant to the protective order) have been filed with the Commission and are available for download from the Commission's Interchange website.

I. WRITTEN RESPONSES

SPS's written responses to Sierra Club's Fourth Request for Information are attached and incorporated by reference. Each response is stated on or attached to a separate page on which the request has been restated. SPS's responses are made in the spirit of cooperation without waiving SPS's right to contest the admissibility of any of these matters at hearing. In accordance with 16 Tex. Admin. Code § 22.144(c)(2)(A) ("TAC"), each response lists the preparer or person under whose direct supervision the response was prepared and any sponsoring witness. When SPS provides certain information sought by the request while objecting to the provision of other

information, it does so without prejudice to its objection in the interests of narrowing discovery disputes under 16 TAC § 22.144(d)(5). Pursuant to 16 TAC § 22.144(c)(2)(F), SPS stipulates that its responses may be treated by all parties as if they were made under oath.

II. INSPECTIONS

If responsive documents are more than 100 pages but less than eight linear feet in length, the response will indicate that the attachment is voluminous ("(V)") and, pursuant to 16 TAC § 22.144(h)(2), the exhibit will be made available for inspection at SPS's voluminous room at 600 Congress Avenue, Suite 2000, Austin, Texas 78701; telephone number (512) 721-2700.

If a response or the responsive documents are provided pursuant to the protective order in this docket, the response will indicate that it or the attachment is either confidential ("CONF") or Highly Sensitive ("HS") as appropriate under the protective order. Access to Confidential and Highly Sensitive materials will be available on Coffin Renner's file sharing link to all parties that have signed and filed the certification under the protective order entered in this docket. Confidential and Highly Sensitive responsive documents will also be made available for inspection at SPS's voluminous room, unless they form a part of a response that exceeds eight linear feet in length; then they will be available at their usual repository in accordance with the following paragraph. Please call in advance for an appointment to ensure that there is sufficient space to accommodate your inspection.

If responsive documents exceed eight linear feet in length, the response will indicate that the attachment is subject to the FREIGHT CAR DOCTRINE, and, pursuant to 16 TAC § 22.144(h)(3), the attachment will be available for inspection at its usual repository, SPS's offices in Austin, Texas, unless otherwise indicated. SPS requests that parties wishing to inspect this material provide at least 48-hour notice of their intent by contacting Stephanie Tanner at Coffin Renner L.L.P. PC, 1011 West 31st Street, Austin, Texas 78705; telephone number (512) 879-0900; facsimile transmission number (512) 879-0912; email address stephanie.tanner@crtxlaw.com. Inspections will be scheduled to accommodate all requests with as little inconvenience to the requesting party and to SPS's operations as possible.

Respectfully submitted,

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ATTORNEYS FOR
SOUTHWESTERN PUBLIC SERVICE COMPANY

RESPONSES

QUESTION NO. Sierra Club 4-1:

Regarding the fuel cost EnCompass inputs for the Harrington Analysis provided in SPS Response to SC 1-3(i):

a. Explain what the fuel delivery cost adder at Harrington represents.
b. Explain how the fuel delivery cost adder that SPS attaches to the Harrington units was developed.
c. Explain why the fuel delivery cost adder modeled for Harrington is higher than the fuel delivery cost for a new combustion turbine.
d. Explain what the commodity charge at Harrington represents.
e. Explain how the commodity charge that SPS attaches to the Harrington units was developed.

RESPONSE:

a. SPS confirmed that Sierra Club's question refers to the EnCompass cost input 'Gas.Natural.PEPL.Cost'. The cost input 'Gas.Natural.PEPL.Cost' represents the Panhandle Eastern Pipe Line ("PEPL") natural gas price forecast.

b. Please refer to pages 14 and 15 of the Direct Testimony of Mr. Ben R. Elsey for discussion of the natural gas price forecast.

c. SPS assumed new gas combustion turbines will be geographically located close to SPS's load growth in South East New Mexico, therefore SPS used the WAHA natural gas price forecast. Harrington, which is located just North of Amarillo, was modeled using the PEPL natural gas forecast. Therefore, the difference between natural gas price forecast at Harrington and a new combustion turbine is the difference between gas prices at PEPL and WAHA.

d. The commodity charge represents the variable cost on the upstream pipelines for delivery of each dekatherm of gas to the proposed Harrington plant pipeline.

e. The commodity charge reflects the maximum tariff rates in effect beginning December 2018 on the El Paso Natural Gas pipeline system for delivery to the proposed Harrington plant pipeline.

Preparers: Ben R. Elsey, Jeffrey Hild
Sponsor: Ben R. Elsey

QUESTION NO. Sierra Club 4-2:

Regarding the EnCompass inputs for new battery storage resources for the Harrington Analysis provided in SPS Response to SC 1-3(i):

a. Explain how SPS modeled the cost for new (non-RFP) battery storage resources in EnCompass.
b. Explain why SPS modeled the entire cost of battery storage as an FOM steam.
c. Provide all workpapers and analysis that shows how the FOM cost stream for battery storage in EnCompass was calculated.
d. Provide all capital cost, VOM and FOM input assumptions for new battery storage resources.

RESPONSE:

a. SPS calculated the economic carrying charge for new (non-RFP) battery storage resources and then modeled in EnCompass as a single fixed cost stream. Please refer to the Exhibit SPS-TIEC 2-7.

b. Battery energy storage system resources are typically proposed and evaluated as a single levelized cost of storage (presented as a $/kW-month or a $/kW-year). Therefore, SPS model batteries as a single cost stream so the costs can easily be converted into this format. SPS takes the same approach when modeling new renewable resources such, as wind and solar generation. Again, these resources are typically proposed and evaluated as a single levelized cost of energy, not individual components such as variable O&M and fixed O&M.

c. Please refer to Exhibit SPS-TIEC 2-7.

d. Please refer to subpart (c).

Preparer: Ben R. Elsey
Sponsor: Ben R. Elsey

QUESTION NO. Sierra Club 4-3:

Regarding the EnCompass for new Combustion Turbine resources for the Harrington Analysis provided in SPS Response to SC 1-3(i):

a. Explain how the capital cost for new CTs resources was developed.
b. Provide all resources used to develop the capital cost trajectory for new CT resources.
c. Provide all workbooks used to develop the capital costs for new CT resources modeled in EnCompass.

RESPONSE:

a. SPS developed the capital cost estimates for combustion turbines internally. When developing the estimates, SPS relied upon its experience constructing, owning, and operating combustion turbine generators (e.g. Jones unit 3 and Jones unit 4) and based on turbine pricing from the manufacturer.

b. SPS applied its standard inflation rate for new combustion turbine resources and did not develop any specific capital cost trajectory estimates. It is worth noting that combustion turbine pricing, which represents the single largest cost component, has been relatively flat in recent years.

c. Please refer to Exhibit SPS-TIEC 1-6.

Preparer: Ben R. Elsey
Sponsor: Ben R. Elsey

QUESTION NO. Sierra Club 4-4

Refer to SPS Response to SC 3-15(c), Exhibit SPS-SC 3-15(c).

a. Confirm that this attachment continues all capital expenditures incurred at Harrington between 2005 and 2020, and not just those items relating to coal hanging equipment and operations.
b. Indicate which capital expenditure items are related to coal handling equipment and operations at Harrington that will be discontinued if the plant converts to operate on gas.

RESPONSE:

a. SPS confirms that Exhibit SPS-SC 3-15(c) includes all capital expenditures, not just the coal handling equipment and operations.

b. Please refer to Exhibit SPS-SC-4-4(b). The capital expenditures which will be discontinued if the plant converts to operate on gas are highlighted in yellow.

Preparer: Danelle Heidingsfelder
Sponsor: Mark Lytal

QUESTION NO. Sierra Club 4-5:

Refer to SPS Response to SC 3-15(b). Provide SPS's actual capital expenditures for its steam gas plants incurred each year between 2000 and 2020, including the total amounts by year for each facility.

RESPONSE:

Please refer to Exhibit SPS-SC 4-5.

Preparer: Danelle Heidingsfelder
Sponsor: Mark Lytal

QUESTION NO. Sierra Club 4-6:

Regarding the modeled capacity factors that SPS modeled for Harrington after the units converted to operate on gas in SPS Response to SC 1-3(i).

a. Explain why Harrington operates at such a low capacity factor after converting to operate on gas.
b. Explain why the capacity factor is so much lower at Harrington after it converts to operate on gas than before it converts to operate on gas.
c. State whether the Company plans to operate the plant at levels modeled in the Harrington Analysis.
d. Provide all reports, internal communication, and presentations discussing the utilization of Harrington after it is converted to operate on gas.

RESPONSE:

a. Please refer to Section VI of the Rebuttal Testimony of Mr. Ben R. Elsey filed in New Mexico Case No. 21-00200-UT, which is publicly available on the New Mexico Public Regulation Commission website.

b. Please refer to subpart (a). In addition, in the EnCompass analysis, the price of coal is less than the price of natural gas after the units are converted. Therefore, the operating cost of the converted Harrington units is more expensive than the cost to operate on coal.

c. No. SPS does not use resource planning economic analyses to decide how its plants will be operated over the next two decades. SPS will continue to offer its units into the Southwest Power Pool integrated market.

d. Please refer to Exhibit SPS-SC 4-6.

Preparer: Ben R. Elsey
Sponsor: Ben R. Elsey

QUESTION NO. Sierra Club 4-7:

Refer to SPS's Response to SC 3-7(d). Please provide all analysis supporting the statement that Jones 2 is the "most similar steam-gas unit" to the Harrington units.

RESPONSE:

No formal analysis was completed. The Jones 2 unit is similar in capacity and fuel use with the absence of any formal controls for NOx or SO2. Therefore, it was used as a baseline for comparing emissions and economic modeling.

Preparers: Jeffrey L. West, Ben R. Elsey
Sponsors: Jeffrey L. West, Ben R. Elsey

CERTIFICATE OF SERVICE

I certify that, unless otherwise ordered by the presiding officer, notice of the filing of this document was provided to all parties of record via electronic mail on February 4, 2022, in accordance with the Order Suspending Rules, issued in Project No. 50664.

Mark A. Santos

WBS Level 4	Unit	Projects Description (WBS Level 4 Description)	Year	In-Service Date	Capital Addition Value	Removal Value	Total Expenditures	AFUDC	Discontinue?
10054527	HAR Unit 3	H3 SOOTBLOWER COM. REBUILD	2000	1/24/2000	82,838	-	82,838	337	X
10054526	HAR Unit 0	H0 REPAIR AIR WASHERS	2000	1/24/2000	44,543	-	44,543	239	
10054282	HAR Unit 0	1999 RCM	2000	2/1/2000	168,680	-	168,680	4,251	
10056179	HAR Unit 0	H0 PUR CALIBRATOR	2000	3/21/2000	3,167	-	3,167	-	
10059674	HAR Unit 3	H3 TBFP ELEMENT MODIFICATION	2000	3/22/2000	436	-	436	5	
10056178	HAR Unit 0	H0 OFFICE UPGRADE	2000	3/31/2000	41,064	-	41,064	1,478	
10056174	HAR Unit 0	H0 PUR HYDRAULIC PRESS	2000	3/31/2000	27,612	-	27,612	-	
10054569	HAR Unit 3	H3 PUR & INSTALL NEW INVERTER	2000	4/30/2000	100,671	1,540	102,211	2,682	
10060151	HAR Unit 3	H3 RPL OPACITY MONITOR	2000	4/30/2000	42,894	-	42,894	104	
10060152	HAR Unit 3	H3 TBFP SWITCH REPLACMENT	2000	4/30/2000	3,678	-	3,678	-	
10054646	HAR Unit 0	POWER FM ITEMS	2000	5/1/2000	88,299	-	88,299	6,551	
10059685	HAR Unit 2	H2 BAG REPLACEMENT	2000	5/19/2000	57,173	7,311	64,483	531	X
10059670	HAR Unit 3	H3 RPL DA ANTI FLASH VALVES	2000	5/22/2000	31,139	2,175	33,314	92	
10059673	HAR Unit 3	H3 RPL ECONOMIZER STABLIZER	2000	6/20/2000	21,602	-	21,602	120	
10059676	HAR Unit 0	H0 RPL CHROMATE AUX WATER	2000	6/30/2000	118,260	-	118,260	2,165	
10057257	HAR Unit 0	H0 SPECTROPHOMETERS	2000	7/25/2000	7,304	-	7,304	260	
10056173	HAR Unit 0	H0 PUR AIR WRENCHES	2000	7/25/2000	4,574	-	4,574	163	
10058618	HAR Unit 0	H0 BOILER BLDG OH DOORS -0010	2000	8/1/2000	75,995	-	75,995	438	
10058577	HAR Unit 3	H3 RPL DRAG CHAIN 0007	2000	8/1/2000	43,562	5,402	48,963	-	X
10058578	HAR Unit 3	H3 COAL MILL MODIFICATION0006	2000	8/1/2000	184,616	-	184,616	2,630	X
10058585	HAR Unit 3	H3 BOILER BURNERS 0003	2000	8/1/2000	233,323	10,503	243,827	3,265	
10058582	HAR Unit 3	H3 RPL BOILER SCREEN TUBES0004	2000	8/1/2000	123,098	5,252	128,350	1,709	
10058583	HAR Unit 3	H3 RPL BOILER SH SPRAY NOZZ 08	2000	8/16/2000	39,563	838	40,401	194	
10058584	HAR Unit 3	H3 RPL UNDERGROUND GAS PIPING5	2000	8/25/2000	142,044	14,922	156,965	2,462	
10056171	HAR Unit 0	H0 CONSTRUCT PURCHASING OFFICE	2000	9/1/2000	21,337	-	21,337	887	
10056176	HAR Unit 2	H2 RPL HVAC IN LAB	2000	9/1/2000	4,892	-	4,892	208	
10059697	HAR Unit 3	H3 PUR & INST STARTUP VALVE	2000	10/9/2000	27,868	-	27,868	370	
10059698	HAR Unit 3	H3 RPL RH DESUPERHEATER VALVES	2000	11/9/2000	22,739	-	22,739	480	
10059680	HAR Unit 3	H3 PUR NEW SUB LAB 02 ANALYZER	2000	11/30/2000	9,630	856	10,486	127	
10058617	HAR Unit 0	H0 PAINT/OIL STORAGE BUILDING9	2001	1/12/2001	296,579	-	296,579	2,486	
10054572	HAR Unit 0	EDR UPDATE FOR CEMS	2001	2/1/2001	198,972	-	198,972	7,334	
10141652	HAR Unit 1	H1 INSTALL NEW AIR DRYERS	2001	4/2/2001	69,324	-	69,324	-	
10060946	HAR Unit 1	H1-RPL OPACITY MONITOR	2001	4/6/2001	71,297	3,385	74,681	1,280	
10068209	HAR Unit 0	H0-REMOVE RADIOACTIVE SOURCES	2001	4/20/2001	(241)	62,088	61,847	-	X
10069455	HAR Unit 1	H1-RPL CLG TOWER DISTR HEADER	2001	4/25/2001	1,035,902	21,214	1,057,116	8,306	
10066661	HAR Unit 1	H1-REPLACE O2 PROBE SYSTEM	2001	5/4/2001	172,116	1,274	173,390	4,568	
10069591	HAR Unit 3	H3 RPL/RPR #3 HP FEEDWATER HTR	2001	5/18/2001	472,113	85,332	557,445	8,149	
10068143	HAR Unit 1	H1 BOILER SEAL PLATE MODIFICA	2001	5/21/2001	501,670	15,277	516,947	2,076	
10070051	HAR Unit 1	H1-BOILER BURNERS	2001	5/21/2001	408,848	40,794	449,642	2,236	
10072491	HAR Unit 1	H1 RPL BOILER WATERWALL TUBE	2001	5/21/2001	976,774	35,858	1,012,632	2,898	
10068208	HAR Unit 1	H1-MOD ECONOMIZER PANEL HANGER	2001	5/21/2001	74,795	5,661	80,456	163	
10069600	HAR Unit 1	H1 RPL BOILER SCREEN TUBES	2001	5/21/2001	166,498	13,208	179,706	408	
10068207	HAR Unit 1	H1-RPL BOILER REHEAT SPRAY NOZ	2001	5/21/2001	61,867	-	61,867	276	
10060947	HAR Unit 1	H1-RPL RH/SH DESUPERHEATER VAL	2001	5/21/2001	33,894	2,008	35,901	827	
10135287	HAR Unit 0	H0 RAILROAD TRACK LOOP SURFACE	2001	6/30/2001	20,211	-	20,211	-	X
10070052	HAR Unit 1	H1-COAL MILL MODIFICATION-2001	2001	7/13/2001	480,540	76,180	556,720	7,080	X
10072364	HAR Unit 0	H0 PURCH VIBRATION MONITOR SYS	2001	8/1/2001	26,544	-	26,544	534	
10068210	HAR Unit 3	H3 LAB MONITORS AND METERS	2001	8/1/2001	46,688	830	47,518	1,065	
10134158	HAR Unit 2	H2 RPL C/T WOOD & FILL (2001)	2001	11/1/2001	430,456	14,708	445,164	811	
10056549	HAR Units 1 & 2	H1 & H2 CONTROLS RETROFIT	2001	11/12/2001	3,809,210	-	3,809,210	325,897	
10065899	HAR Unit 1	H1 CONTROLS RETROFIT - TURBINE	2001	11/12/2001	214,883	-	214,883	6,631	

10056552	HAR Units 1 & 2	H1 & H2 CONTROLS RETROFIT	2001	11/12/2001	801,650	25,098	826,748	90,426			
10056694	HAR Units 1 & 2	H1 & H2 CONTROLS RETROFIT	2001	11/12/2001	692,236	-	692,236	74,627			
10065900	HAR Unit 1	H1 CONTROLS RETRO - MECHANICAL	2001	11/12/2001	303,311	-	303,311	10,882			
10056551	HAR Units 1 & 2	H1 & H2 CONTROLS RETROFIT	2001	11/12/2001	4,169,566	-	4,169,566	465,461			
10055660	HAR Units 1 & 2	H1 & H2 CONTROLS RETROFIT	2001	11/12/2001	3,348,443	76,270	3,424,713	339,124			
10055824	HAR Units 1 & 2	H1 & H2 CONTROLS RETROFIT	2001	11/12/2001	1,149,184	-	1,149,184	123,060			
10056629	HAR Units 1 & 2	H1 & H2 CONTROLS RETROFIT	2001	11/12/2001	1,758,974	-	1,758,974	182,160			
10056139	HAR Units 1 & 2	H1 & H2 CONTROLS (TURBINE)	2001	11/12/2001	19,155	-	19,155	1,874			
10056655	HAR Unit 1	HARRINGTON #1 CTRL RETROFIT PR	2001	11/12/2001	946,736	-	946,736	51,560			
10056550	HAR Units 1 & 2	H1 & H2 CONTROLS RETROFIT	2001	11/12/2001	1,055,181	-	1,055,181	113,678			
10055835	HAR Units 1 & 2	H1 & H2 CONTROLS RETROFIT	2001	11/12/2001	159,659	-	159,659	17,982			
10056656	HAR Unit 2	HARRINGTON #2 CTRL RETROFIT PR	2001	11/12/2001	31,064	-	31,064	3,572			
10073409	HAR Unit 2	H2 BAG REPLACEMENT - 2001	2001	11/14/2001	98,737	9,969	108,706	319	X		
10133198	HAR Unit 3	H3 REPLACE O2 PROBE CONTROLS	2001	12/4/2001	134,097	1,298	135,395	1,404			
10060944	HAR Unit 3	H3-CLG TWR PERF IMPROVEMENTS	2001	12/7/2001	129,321	12,331	141,652	2,069			
10134159	HAR Unit 3	H3 RPL C/T WOOD & FILL (2001)	2001	12/7/2001	515,791	14,708	530,499	2,267			
10139823	HAR Unit 1	H1 RPL C-T BLOWDOWN PIPING	2001	12/18/2001	45	-	45	2			
10134153	HAR Unit 1	H1 RPL IGNITOR GAS VALVES	2001	12/21/2001	71,788	2,203	73,991	484			
10134154	HAR Unit 2	H2 RPL IGNITOR GAS VALVES	2001	12/21/2001	57,850	2,203	60,053	454			
10136108	HAR Unit 0	H0 TURBINE BLDG ROOF RPL	2001	12/21/2001	291,742	50,195	341,937	3,133			
10136794	HAR Unit 0	H0 RPL ROOF CLG TWR SWTGR BLDS	2001	12/28/2001	12,125	3,012	15,137	87			
10139236	HAR Unit 0	H0 REVISE TURB BLDG ROOF DRAIN	2001	12/28/2001	174,374	-	174,374	352			
10150898	HAR Unit 0	H0 Purchase SCBA's	2002	5/15/2002	40,648	-	40,648	-			
10151008	HAR Unit 1	H1 Purchase Vacuum Pump	2002	6/12/2002	27,952	-	27,952	1	X		
10137935	HAR Unit 0	H0 REPLACE PERIMETER LIGHTING	2002	8/29/2002	110,008	2,510	112,518	4,491			
10059678	HAR Unit 3	H3 DRIVE UNIT UPGRADE	2002	8/29/2002	214,981	1,101	216,082	15,416			
10060943	HAR Unit 2	H2-REBUILD C SOOTBLOWER AIR CO	2002	8/29/2002	207,580	5,000	212,580	9,539	X		
10072820	HAR Unit 0	H0 RPL HVAC MISC CONTROL ROOM	2002	8/29/2002	33,092	240	33,332	2,285			
10054582	HAR Unit 0	UNDER FREQUENCY RELAYS	2003	1/1/2003	222,339	57,222	279,561	48,183			
10054305	HAR Unit 2	H2 BOILER ACCESS DOOR	2003	1/1/2003	6,379	2,008	8,387	-			
10053897	HAR Unit 1	H1 RPL BOILER ELEV DOOR	2003	1/1/2003	4,515	1,004	5,519	963			
10054077	HAR Unit 0	SURVIVALINK DEFILLBRILLATORS	2003	1/1/2003	24,844	-	24,844	4,310			
10054049	HAR Unit 0	DIGITAL CAMERA FOR ENVIRON DE	2003	1/1/2003	1,744	-	1,744	-			
10054570	HAR Unit 2	H2 RPL ELEV DR	2003	1/1/2003	29,989	-	29,989	-			
10055895	HAR Unit 0	CONTROL RETROFIT	2003	1/1/2003	1,025,607	-	1,025,607	113,813			
10062520	HAR Unit 1	H1 PRECIP PCB TRANSFORMERS	2003	1/1/2003	16,732	15,059	31,790	3,965	X		
10059675	HAR Unit 3	H3 RPL O2 PROBE SYSTEM	2003	1/1/2003	98,655	924	99,578	13,720			
10205874	HAR Unit 2	H2 Replace Opacity Monitor	2003	1/1/2003	7,974	-	7,974	191			
10053887	HAR Unit 0	PR RCOM IMPLEMENTATION	2003	1/17/2003	80,098	-	80,098	13,577			
10149884	HAR Unit 2	H2 Rpl Boiler Waterwall Tube Panel	2003	1/17/2003	1,193,315	250,975	1,444,290	17,970			
10311548	HAR Unit 3	HS3CAP-Unit 3 BFP Major Major Rebui	2003	5/1/2003	245,088	30,117	275,205	289			
10249728	HAR Unit 3	H3 Rpl Boiler Waterwall Tube Panel	2003	5/2/2003	1,297,546	150,585	1,448,131	10,410			
10290235	HAR Unit 3	HS3CAP-Harrington Modify Coal Mill	2003	5/15/2003	222,605	12,549	235,154	-	X		
10140069	HAR Unit 0	H0 SECURITY EQUIP FOR PLANT	2003	5/30/2003	755,203	-	755,203	66,974			
10275039	HAR Unit 3	HAR3 Controls Retrofit	2003	6/1/2003	7,819,615	10,880	7,830,494	327,534			
10295047	HAR Unit 3	HS3CAP-Harrington 3 REPLACE CT WOOD	2003	6/1/2003	189,733	24,094	213,826	1,441			
10279746	HAR Unit 0	HS0CAP-Railroad Track Replacement	2003	6/30/2003	1,009,435	200,780	1,210,215	(269)	X		
10208886	HAR Unit 2	HAR2 Replace APH Cold End Baskets	2003	7/17/2003	258,198	28,812	287,010	15,829			
A.0001550.002.001.001	HAR Unit 0	Scrap sales to individual workorder	2003	8/1/2003	19,039	(200,015)	(180,976)	-			
10323484	HAR Unit 2	HS2CAP-Unit 2 REPLACE COOLING TOWER	2003	8/15/2003	200,122	24,574	224,696	536			
A.0001550.440.001.002	HAR Unit 0	UEC DRAWINGS UPDATES	2004	1/1/2004	225,187	-	225,187	52,471			
A.0001550.440.001.003	HAR Unit 0	SPS BUDGETING STUDIES	2004	1/1/2004	94,676	-	94,676	20,750			

10140230	HAR Unit 0	PROJECT BUDGET ESTIMATING - UE	2004	1/1/2004	-	-	-	(0)		
10381868	HAR Unit 1	HS1CAP-Replace ID Fan VFD	2004	4/20/2004	1,541,326	30,117	1,571,443	11,688		
10381530	HAR Unit 1	HS1CAP-Rpl Air PreHeater Baskets	2004	4/25/2004	1,013,604	100,390	1,113,994	11,981		
10381925	HAR Unit 1	HS1CAP-Rpl Boiler South Waterwall	2004	4/25/2004	1,246,781	125,488	1,372,269	6,228		
10442889	HAR Unit 1	HS1CAP-REPLACE CT WOOD & FILL	2004	5/30/2004	185,326	23,957	209,283	225		
10442903	HAR Unit 2	HS2CAP-REPLACE CT WOOD & FILL	2004	6/1/2004	179,580	25,557	205,137	87		
10407789	HAR Unit 0	HS0CAP-Pond 3 Pump Transfer	2004	6/18/2004	217,852	3,012	220,864	1,411		
10443026	HAR Unit 3	HS3CAP-REPLACE CT WOOD & FILL	2004	9/15/2004	317,966	26,847	344,814	2,469		
10550061	HAR Unit 0	HAR0C-H0 Replace pH Meters	2004	11/10/2004	47,574	2,008	49,581	99		
10550096	HAR Unit 2	HAR2C-H2 Repl Cooling Tower Wi	2004	11/20/2004	258,522	40,156	298,678	839		
10391251	HAR Unit 1	HS1CAP-Harrington 1 PRECIPITATOR DU	2004	12/13/2004	(252)	-	(252)	252	X	
10566521	HAR Unit 3	HAR3C-H3 Repl Cooling Tower Wi	2005	1/1/2005	214,891	37,144	252,035	1,793		
10550097	HAR Unit 0	HAR0C-H0 Bath & Break Rooms	2005	1/1/2005	86,438	30,000	116,438	1,143		
10550077	HAR Unit 0	HAR0C-H0 Replace Recovery Well SPS4	2005	1/1/2005	75,700	-	75,700	385		
10566496	HAR Unit 1	HAR1C-H1 Repl Cooling Tower Wi	2005	1/27/2005	221,823	39,325	261,148	749		
10561010	HAR Unit 3	HAR3C-H3 Install Ash Silo Elevator	2005	2/15/2005	300,235	-	300,235	2,947	X	
10624435	HAR Unit 1	HAR1C-H1 Repl Stack Flow Monit	2005	8/16/2005	39,545	-	39,545	347		
10673591	HAR Unit 3	HAR3C-H3 Cooling Tower Wood & Fill	2005	9/19/2005	112,596	108,803	221,398	-		
10603718	HAR Unit 2	HAR2C-H2 Replace #3 FWH	2005	10/18/2005	780,779	26,086	806,865	4,712		
10566463	HAR Unit 2	HAR2C-H2 Repl Boiler Superheat Plat	2005	11/3/2005	3,340,525	212,450	3,552,975	70,020		
10566470	HAR Unit 2	HAR2C-Rpl Boiler North&East Waterwa	2005	11/3/2005	1,454,850	208,119	1,662,969	17,975		
10605073	HAR Unit 2	HAR2C-H2 Replace Coal Mill Exhauste	2005	11/3/2005	90,559	1,003	91,563	3,776	X	
10707672	HAR Unit 2	HAR2C-H2 Replace West BCP & Mo	2005	11/3/2005	59,797	3,514	63,311	341		
10623261	HAR Unit 2	HAR2C-H2 Inst Addl Blr Sootblowers	2005	11/30/2005	396,700	-	396,700	4,150	X	
10673576	HAR Unit 2	HAR2C-H2 Cooling Tower Wood & Fill	2005	12/1/2005	246,563	25,886	272,449	2,233		
10323403	HAR Unit 3	HS3CAP-Harrington 3 REPLACE ACW CON	2005	12/5/2005	-	-	-	(0)		
10673554	HAR Unit 1	HAR1C-H1 Cooling Tower Wood & Fill	2005	12/14/2005	198,615	79,045	277,660	2,639		
10583222	HAR Unit 0	HAR0C Firewall Installation	2005	12/15/2005	451,728	-	451,728	10,625		
10677608	HAR Unit 3	HAR3C-H3 Repl Major Comp Soot Blow	2005	12/22/2005	493,028	27,515	520,543	6,336	X	
10705208	HAR Unit 1	HAR1C-H1 Replace CT Fans, Gearbox	2005	12/29/2005	499,786	(3,064)	496,722	2,149		
10768998	HAR Unit 3	HAR3C-H3 Repl Stack Flow Monitor	2006	1/15/2006	64,267	371	64,638	4		
10810432	HAR Unit 1	HAR1C-H1 Cooling Tower Wood &	2006	9/11/2006	177,467	3,061	180,528	844		
10846981	HAR Unit 3	HAR3C-H3 Emergency Diesel Generator	2006	11/2/2006	151,917	3,819	155,736	1,369		
10653590	HAR Unit 3	HAR3C-H3 NOX Reduction Project	2006	11/28/2006	4,228,065	-	4,228,065	48,692	X	
10760644	HAR Unit 3	HAR3C-H3 Repl Boiler North Waterwal	2006	11/28/2006	1,393,760	-	1,393,760	13,445		
10760629	HAR Unit 3	HAR3C-H3 Repl APH Baskets with Clea	2006	11/28/2006	1,580,430	(25,696)	1,554,734	21,740		
10728694	HAR Unit 3	HAR3C-H3 Replace Boiler SH Platen	2006	11/28/2006	2,966,554	352,695	3,319,249	40,233		
10882018	HAR Unit 3	HAR3C-H3 BFPT I-O Blade Replacement	2006	11/29/2006	151,221	6,046	157,267	406		
10760655	HAR Unit 3	HAR3C-H3 Install Addl Boiler Long	2006	12/5/2006	432,541	-	432,541	6,491	X	
10595626	HAR Unit 1	HAR1C-H1 ACW Control Replaceme	2006	12/12/2006	-	-	-	-		
10774972	HAR Unit 2	HAR2C - H2 Rpl Cntrl Sys AW WP	2006	12/16/2006	310,478	803	311,281	10,341		
10798502	HAR Unit 0	HAR0C-H0 Erosion Control Wastewater	2006	12/22/2006	293,753	1,998	295,752	4,420		
10760618	HAR Unit 3	HAR3C-H3 Install Hi-Eff Coal Mill E	2007	1/1/2007	105,904	4,016	109,920	512	X	
10899745	HAR Unit 3	HAR3C-H3 Repl Boiler N Water Walls	2007	1/1/2007	-	201,540	201,540	-		
10899746	HAR Unit 3	HAR3C-H3 Rep APH Baskets w/ Clear	2007	1/1/2007	-	151,155	151,155	-		
10811068	HAR Unit 0	HAR0C-H0 Reline Pond 18	2007	1/29/2007	861,938	220,258	1,082,196	11,782		
10735665	HAR Unit 0	HAR0C - Rpl Fuel Reporting Com	2007	4/30/2007	37,421	202	37,624	1,225		
10880815	HAR Unit 3	HAR3C - H3 Replace Station Batteries	2007	4/30/2007	37,008	2,537	39,545	655		
10899711	HAR Unit 3	HAR3C - H3 NOX Reduction Proj - Ret	2007	4/30/2007	-	156,194	156,194	-	X	
10808793	HAR Unit 3	HAR3C-Repl CEMS Soft/Hard/EDR	2007	5/31/2007	76,244	7,284	83,528	3,035		
10874239	HAR Unit 1	HAR1C-Repl CEMS Field Hardware	2007	5/31/2007	111,684	3,441	115,125	128		
10808788	HAR Unit 1	HAR1C-Repl CEMS Soft/Hard/EDR	2007	5/31/2007	93,830	7,194	101,024	3,219		

10915848	HAR Unit 2	HAR2C-H2 Replace Stack Flow Monitor	2007	6/30/2007	28,212	1,001	29,214	128			
10874245	HAR Unit 3	HAR3C-Repl CEMS Field Hardware	2007	7/24/2007	109,075	2,068	111,143	875			
10874244	HAR Unit 2	HAR2C-Repl CEMS Field Hardware	2007	7/31/2007	129,322	5,822	135,144	878			
11012284	HAR Unit 3	HAR3C - H3 Repl 3D Coal Mill	2007	9/1/2007	90,324	20,589	110,912	100	X		
10808792	HAR Unit 2	HAR2C-Repl CEMS Soft/Hard/EDR	2007	9/27/2007	77,815	1,323	79,139	4,120			
10929030	HAR Unit 0	HAR0C-H0 Repl Turbine Deck Cra	2007	10/1/2007	351,209	588	351,797	4,356			
10986257	HAR Unit 1	HAR1C - H1 Repl Cont Sys AW &	2007	10/15/2007	343,798	6,841	350,639	2,037			
10933440	HAR Unit 0	HAR0C - H0 Reline Pond 9	2007	11/15/2007	771,052	56,700	827,752	8,114			
11025861	HAR Unit 1	HAR1C - H1 Generator Re-Wedge	2007	11/27/2007	180,528	2,531	183,059	747			
10845145	HAR Unit 1	HAR1C-H1 Repl Blr SH Platen Panels	2007	11/27/2007	3,182,236	121,627	3,303,863	38,204			
10845165	HAR Unit 1	HAR1C-H1 Repl Boiler Economizer	2007	11/27/2007	4,928,340	223,861	5,152,201	66,070			
10930011	HAR Unit 0	HAR0C-H0 Repl Pumps & Vlvs-LAD	2008	1/1/2008	166,615	66,542	233,157	3,263			
11023554	HAR Unit 1	HAR1C-H1 Replace Station Batteries	2008	1/1/2008	64,884	1,013	65,897	539			
11104805	HAR Unit 3	HAR3C - H3 CT Makeup line from	2008	6/30/2008	113,294	1,175	114,469	47			
10957669	HAR Unit 1	HAR1C-Install Mercury CEMS Mon	2008	8/1/2008	354,464	-	354,464	5,303	X		
10957679	HAR Unit 2	HAR2C-Install Mercury CEMS Mon	2008	8/1/2008	395,415	-	395,415	5,655	X		
10957704	HAR Unit 3	HAR3C-Install Mercury CEMS Mon	2008	8/1/2008	439,767	-	439,767	5,857	X		
11055045	HAR Unit 2	HAR2C- H2 Rpl Air PreHeater Ba	2008	11/15/2008	1,934,596	184,289	2,118,885	13,998			
11034844	HAR Unit 2	HAR2C - H2 NOX Reduction Proje	2008	11/15/2008	3,735,285	577,939	4,313,224	28,452	X		
10947136	HAR Unit 2	HAR2C - Replace boiler economi	2008	11/15/2008	4,273,021	443,509	4,716,530	54,476			
11104302	HAR Unit 2	HAR2C - H2 Rpl APH Expansion J	2008	11/15/2008	271,611	98,897	370,508	858			
11055842	HAR Unit 2	HAR2C-H2 Repl Boiler RH Panels	2008	11/15/2008	1,053,117	113,566	1,166,683	3,955			
11090102	HAR Unit 2	HAR2C-H2 BFPT L-0 Blade Replac	2008	11/21/2008	184,948	50,340	235,288	1,227			
11159495	HAR Unit 2	HAR2C-H2 Repl CT wind walls &	2008	11/21/2008	138,479	29,263	167,742	321			
11094149	HAR Unit 0	HAR0C - H0 Reline Pond 8	2008	12/16/2008	538,816	100,260	639,075	4,029			
11127702	HAR Unit 2	HAR2C-H2 Rpl Foxboro CPs & Sof	2009	1/1/2009	455,345	1,048	456,393	6,149			
11183436	HAR Unit 0	HAR0C - H0 Repl Injection Well Pipe	2009	1/14/2009	310,408	-	310,408	1,491			
11139309	HAR Unit 1	HAR1C-Rpl Startup Blr BD Seperator	2009	4/22/2009	37,302	2,216	39,518	634			
11194151	HAR Unit 2	HAR2C-HP Feedwater Heater Leve	2009	4/30/2009	34,315	-	34,315	268			
11216056	HAR Unit 3	HAR3C-H3 Replace Drag Chain	2009	5/1/2009	46,901	159	47,059	328	X		
11194169	HAR Unit 0	HAR0C-Replace Shop Roof	2009	7/31/2009	153,937	20,012	173,950	293			
11260276	HAR Unit 3	HAR3C-Repl CT Switchgear Room	2009	8/30/2009	28,336	5,085	33,421	238			
11260288	HAR Unit 2	HAR2C-Repl CT Switchgear Room	2009	8/30/2009	28,336	5,085	33,421	238			
11206068	HAR Unit 1	HAR1C-H1 Rpl Elevator Controls	2009	9/24/2009	171,708	29,003	200,711	559			
11216063	HAR Unit 0	HAR0C-Fume Extraction Arm Inst	2009	10/2/2009	63,218	-	63,218	861			
11262790	HAR Unit 2	HAR2C-Replace Boiler Roof	2009	10/21/2009	91,764	16,254	108,018	327			
11286600	HAR Unit 0	HAR0C-H0 Purch Confined Space Comm	2009	10/30/2009	36,919	-	36,919	67			
11262806	HAR Unit 3	HAR3C-Coal Bunker Level Measure	2009	11/11/2009	61,288	335	61,623	582	X		
11296163	HAR Unit 3	HAR3C-Rpl Bottom Ash Chute	2009	11/13/2009	55,283	36,790	92,074	294	X		
11201539	HAR Unit 3	HAR3C-H3 Install Boiler Camera	2009	11/13/2009	262,954	-	262,954	1,549			
11286540	HAR Unit 3	HAR3C-Coal Mill Journal Liners	2009	11/13/2009	9,429	887	10,317	-	X		
11297195	HAR Unit 3	HAR3C-Rpl Baghouse Vent Dampers	2009	11/13/2009	55,348	8,668	64,016	280	X		
11286536	HAR Unit 3	HAR3C-Coal Pipe Isolation Vlvs	2009	11/13/2009	180,152	-	180,152	753	X		
11201555	HAR Unit 3	HAR3C-H3 Repl Boiler RH Panels	2009	11/15/2009	1,019,121	141,649	1,160,771	5,177			
11220773	HAR Unit 3	HAR3C-Rpl Oil Filtration Syste	2009	11/20/2009	74,977	398	75,375	406			
11210710	HAR Unit 3	HAR3C-H3 BFPT Overspeed Protec	2009	11/20/2009	125,044	-	125,044	1,169			
11206071	HAR Unit 2	HAR2C-H2 Rpl Elevator Controls	2009	11/24/2009	196,974	64,176	261,149	2,457			
11220772	HAR Unit 3	HAR3C-Install Varnish Removal	2009	11/30/2009	67,035	-	67,035	567			
11201543	HAR Unit 3	HAR3C-H3 Install Coal Mill Hi	2009	12/8/2009	-	-	-	-	X		
11304067	HAR Unit 0	HAR0C-Rpl Training Cntr Roof	2009	12/14/2009	189,619	13,285	202,905	1,062			
11302597	HAR Unit 3	HAR3C-Rpl CT Partition Walls	2009	12/15/2009	105,992	29,627	135,619	474			
11285907	HAR Unit 2	HAR2C-H2 Rpl Station Batteries	2009	12/15/2009	79,579	2,825	82,405	532			

11259424	HAR Unit 1	HAR1C-Boiler sump pump replace	2010	1/1/2010	59,337	5,085	64,422	1,431		
11215791	HAR Unit 3	HAR3C-Neural System Purchase	2010	1/1/2010	716,956	-	716,956	26,696	X	
11215754	HAR Unit 3	HAR3C-H3 Rpl AW/WPs & Software	2010	1/1/2010	357,111	3,259	360,370	11,557		
11321357	HAR Unit 2	HAR2C-Rebag Baghouse Compartment	2010	1/22/2010	62,311	26,336	88,648	73	X	
11293521	HAR Unit 1	HAR1C-Rpl Coal Bunker Level Meas	2010	2/1/2010	64,704	514	65,218	605	X	
11288479	HAR Unit 1	HAR1C-Pur Safety Splitter Rlf	2010	2/5/2010	20,771	243	21,014	226		
11247707	HAR Unit 1	HAR1C-Install APH Expan Joints	2010	2/11/2010	225,871	32,452	258,323	1,444		
11220775	HAR Unit 1	HAR1C-Rpl Oil Filtration Syste	2010	2/24/2010	76,312	1,083	77,395	815		
11262780	HAR Unit 1	HAR1C-Drag Chain eplacement	2010	3/1/2010	64,341	4,813	69,154	1,277	X	
11302928	HAR Unit 2	HAR2C-Rpl Coal Bunker Level Measure	2010	3/5/2010	56,426	363	56,789	664	X	
11220768	HAR Unit 1	HAR1C-Install Varnish Removal	2010	3/31/2010	80,772	-	80,772	990		
11268392	HAR Unit 1	HAR1C-Condensate Flow Nozzle	2010	4/30/2010	193,804	1,571	195,374	2,872		
11329926	HAR Unit 1	HAR1C-Purch Neural System	2010	5/31/2010	359,110	-	359,110	4,665	X	
11055056	HAR Unit 3	HAR3C-H3 Install Econ Ash Drag	2010	6/7/2010	-	-	-	-	X	
11247726	HAR Unit 1	HAR1C - H1 Baghouse Hg Capture	2010	6/7/2010	-	-	-	-	X	
11384860	HAR Unit 2	HAR2C-Rpl Coal Mill Duct Work	2010	7/12/2010	875,937	150,882	1,026,819	42	X	
11351744	HAR Unit 2	HAR2C-CT Wood and Fill	2010	7/26/2010	211,684	5,034	216,718	1,614		
11193935	HAR Unit 0	HAR0C-H0 Build Warehouse Stora	2010	8/31/2010	341,297	-	341,297	2,608		
11383421	HAR Unit 2	HAR2C-Purch Neural Network	2010	9/10/2010	534,279	-	534,279	2,627	X	
11327284	HAR Unit 3	HAR3C-Aircraft Warning System	2010	9/13/2010	141,493	3,710	145,203	1,241		
11215731	HAR Unit 1	HAR1C-H1 Rpl Foxboro CPs & Sof	2010	9/14/2010	409,548	2,768	412,316	24,024		
11286552	HAR Unit 1	HAR1C-Coal Pipe Isolation Vlvs	2010	10/15/2010	190,200	-	190,200	4,088	X	
11286549	HAR Unit 1	HAR1C-Coal Mill Journal Liners	2010	10/15/2010	26,415	4,010	30,425	211	X	
11206057	HAR Unit 1	HAR1C-H1 Repl Boiler RH Panels	2010	10/16/2010	976,279	132,728	1,109,008	21,245		
11220576	HAR Unit 1	HAR1C-H1 BFPT Overspeed Protec	2010	10/18/2010	183,795	2,219	186,014	6,336		
10866223	HAR Unit 1	HAR1C - H1 NOX Reduction Proje	2010	10/18/2010	4,586,022	200,526	4,786,548	121,110		
11363305	HAR Unit 1	HAR1C-Rpl ESP & Outlet Ducts	2010	10/18/2010	5,001,916	20,230	5,022,146	58,673	X	
11297155	HAR Unit 1	HAR1C-H1 Rpl BFPT L-0 Blades	2010	10/18/2010	219,629	9,591	229,220	4,443		
11329527	HAR Unit 3	HAR3C-Rpl Comp Rm Roof	2010	11/17/2010	57,893	5,376	63,269	326		
11343931	HAR Unit 0	HAR0C-Conference Room	2010	11/22/2010	280,738	-	280,738	2,489		
11343922	HAR Unit 2	HAR2C-Rpl Baghouse Elevator	2010	11/24/2010	326,888	7,641	334,528	2,850	X	
11343907	HAR Unit 3	HAR3C-Rpl Baghouse Elevator	2010	11/24/2010	302,025	35,158	337,183	2,844	X	
11376200	HAR Unit 0	HAR0C-Inst Load Cell Turb Crane	2010	11/30/2010	49,856	-	49,856	512		
11394252	HAR Unit 2	HAR2C-Instrument Air Dryer	2010	12/15/2010	64,554	3,156	67,710	852		
11439611	HAR Unit 1	HAR1C-Inst H1 SootOpt Pkg	2011	2/7/2011	169,068	-	169,068	1,366	X	
11459633	HAR Unit 2	HAR2C-Rpl Windbox Aux Air Dampers	2011	4/29/2011	736,556	48,049	784,606	3,498		
11327298	HAR Unit 2	HAR2C-Rpl Boiler Nose Tubes	2011	5/9/2011	2,231,957	250,490	2,482,448	33,033		
11327314	HAR Unit 2	HAR2C-Rpl Front Blr Reheat Panel	2011	5/9/2011	1,706,731	127,329	1,834,060	32,177		
11486299	HAR Unit 2	HAR2C-Coal Piping Isolation Vlvs	2011	5/9/2011	174,783	-	174,783	1,252	X	
11486302	HAR Unit 2	HAR2C-Rpl Coal Mill Jrnl Liners	2011	5/9/2011	19,540	5,174	24,715	112	X	
11486300	HAR Unit 2	HAR2C-Rpl Coal Mill Classfr Cones	2011	5/9/2011	91,471	9,653	101,124	740	X	
11382901	HAR Unit 2	HAR2-Rpl Voltage Regulator	2011	5/10/2011	244,121	19,311	263,432	3,359		
11459424	HAR Unit 2	HAR2C-H2 Rpl Drag Chain	2011	5/10/2011	109,239	1,019	110,258	1,523	X	
11467299	HAR Unit 2	HAR2C-Rebag 6 Cmprt Major 2011	2011	5/12/2011	128,991	12,753	141,744	1,006	X	
11449067	HAR Unit 2	HAR2C-BFPT Overspeed Protection	2011	5/16/2011	170,279	1,909	172,189	1,285		
11459415	HAR Unit 2	HAR2C-Rpl Seal Oil Filtr System	2011	5/16/2011	80,111	1,957	82,068	654		
11478828	HAR Unit 1	HAR1C-Rpl 2 Main Transf Oil Coolers	2011	5/27/2011	85,631	1,771	87,402	93		
11467285	HAR Unit 3	HAR3C-Rebag 3 Cmprt Mini 2011	2011	5/31/2011	48,945	9,703	58,648	53	X	
11460762	HAR Unit 2	HAR2C-Inst Blr Camera System	2011	7/15/2011	270,170	-	270,170	4,807		
11302563	HAR Unit 2	HAR2C-Rpl Stack Elevator	2011	7/20/2011	524,748	28,272	553,020	13,833		
11483364	HAR Unit 0	HAR0C-Rpl Fuel Gas Pipeline Phase 1	2011	7/30/2011	727,063	15,961	743,025	3,768		
11488643	HAR Unit 3	HAR3C-Rpl Boiler Roof	2011	8/2/2011	101,840	71,099	172,939	890		

11533117	HAR Unit 1	HAR1C-Rpl Boiler Roof	2011	8/26/2011	120,841	34,923	155,764	385			
11537320	HAR Unit 2	HAR2C-Inst Varnish Removal Skid	2011	11/30/2011	37,376	-	37,376	201			
11536372	HAR Unit 1	HAR1C-Main Power Xfmr DGA	2011	12/27/2011	64,443	-	64,443	710			
11581498	HAR Unit 2	HAR2C-Rpl Lube Oil Filtration Sys	2012	2/10/2012	54,761	20,505	75,267	527			
11537483	HAR Unit 0	HAR0C-Rpl Turbine Roof	2012	2/16/2012	1,713,478	81,139	1,794,618	26,080			
11578676	HAR Unit 3	HAR3C-Rpl Lube Oil Filtration Sys	2012	3/9/2012	65,556	10,869	76,425	1,246			
11495710	HAR Unit 0	HAR0C-Rpl Railroad Ballast	2012	3/29/2012	1,238,967	113,956	1,352,923	16,847	X		
11612739	HAR Unit 3	HAR3C-Inst Liner Circ Wtr Lines	2012	4/6/2012	678,793	-	678,793	5,674			
11592921	HAR Unit 0	HAR0C-Rpl Fire Pump Controller	2012	4/13/2012	22,556	864	23,420	71			
11555929	HAR Unit 3	HAR3C-Rpl Windbox Aux Air Damp	2012	4/13/2012	934,781	54,733	989,514	8,434			
11634208	HAR Unit 3	HAR3C-Rpl Isophase bus bar ins	2012	4/16/2012	146,017	47,558	193,574	209			
11527985	HAR Unit 3	HAR3-Rpl Voltage Regulator	2012	4/18/2012	290,921	2,944	293,865	4,885			
11618368	HAR Unit 3	HAR3C-Rewedge Generator Stator	2012	4/18/2012	140,531	10,015	150,546	840			
11581306	HAR Unit 1	HAR1C-H1 Rpl Lab Equip	2012	4/24/2012	33,492	12,951	46,443	981			
11465999	HAR Unit 3	HAR3C-H3 Rpl Boiler RH Panels	2012	4/25/2012	1,788,695	179,198	1,967,893	32,564			
11465991	HAR Unit 3	HAR3C-Rpl Boiler Nose Tubes	2012	4/25/2012	2,274,315	292,880	2,567,195	33,980			
11612733	HAR Unit 3	HAR3C-Rpl Drag Chain	2012	4/26/2012	77,818	10,218	88,036	579	X		
11581282	HAR Unit 3	HAR3C-H3 Rpl Lab Equipment	2012	5/7/2012	37,975	12,565	50,540	1,656			
11609259	HAR Unit 2	HAR2C-Rebag 3 Cmprt Mini 12	2012	5/8/2012	45,490	10,863	56,353	210	X		
11583216	HAR Unit 3	HAR3C-H3 Rpl Opacity Monitor	2012	5/8/2012	44,910	3,764	48,673	867			
11609300	HAR Unit 3	HAR3C-Rebag 6 Cmprt Maj 12	2012	5/8/2012	100,598	31,125	131,723	1,553	X		
11657732	HAR Unit 0	HAR0C-PURCH H2 Tank	2012	5/18/2012	28,283	-	28,283	41			
11582316	HAR Unit 1	HAR1C-H1 Rewind 4160 Normal Source	2012	5/20/2012	209,322	46,276	255,598	4,603			
11638491	HAR Unit 1	HAR1C-Rewind W Boiler Circ Mtr	2012	5/28/2012	-	-	-	-			
11578669	HAR Unit 1	HAR1C-Rpl Lube Oil Filtration Sys	2012	6/25/2012	49,015	19,939	68,954	2,512			
11618416	HAR Unit 2	HAR2C-Rpl Undrgrnd Duct Banks	2012	6/28/2012	253,142	(20,031)	233,112	2,522			
11488672	HAR Unit 0	HAR0C-Rpl Plant Paving 1/6	2012	7/24/2012	216,767	50,005	266,772	3,686			
11592919	HAR Unit 2	HAR2C-Rpl H2 Cond Trnsfr Pumps	2012	7/26/2012	34,996	1,832	36,828	346			
11570749	HAR Unit 3	HAR3C-3C Pulverizer Reconstruction	2012	8/3/2012	351,866	67,578	419,445	7,439	X		
11625991	HAR Unit 0	HAR0C-Rpl Paving Phase2/6	2012	8/13/2012	150,464	12,806	163,269	561			
11682038	HAR Unit 0	HAR0C-Rpl AC unit in crew brea	2012	8/15/2012	36,730	1,968	38,698	104			
11657724	HAR Unit 0	HAR0C-Rpl FK20 Substation Bker	2012	8/15/2012	134,224	13,551	147,775	1,944			
11495681	HAR Unit 1	HAR1C-H1 Inst Ash Silo Elevator	2012	8/17/2012	599,502	-	599,502	9,204	X		
11699690	HAR Unit 0	HAR0C-Rpl Motor for Pond 12	2012	8/31/2012	6,268	619	6,887	-			
11671592	HAR Unit 0	HAR0C-Rpl Ash Gate remote secu	2012	9/4/2012	30,726	655	31,381	290	X		
11697830	HAR Unit 0	HAR0C-Rpl AC Unit in crew shower	2012	9/14/2012	13,774	799	14,573	46			
11693441	HAR Unit 1	HAR1C-Rpl CEMs Sample Probe	2012	9/28/2012	12,307	651	12,957	18			
11717126	HAR Unit 1	HAR1C-Rpl W Blr H2O Circ Motor	2012	10/10/2012	73,058	1,620	74,678	397			
11717139	HAR Unit 1	HAR1C-Rpl W Blr H2O Circ Pump	2012	10/17/2012	153,401	7,925	161,326	902			
11682052	HAR Unit 2	HAR2C-Rpl Cond Cir Line Exp Jo	2012	10/19/2012	172,120	38,475	210,595	751			
11605102	HAR Unit 1	HAR1C-Inst Boiler Camera	2012	10/25/2012	285,039	-	285,039	7,963			
11673808	HAR Unit 0	HAR0C-Rpl Turbine Roof	2012	10/25/2012	87,089	-	87,089	476			
11693450	HAR Unit 2	HAR2C-Rpl CEMs Sample Probe	2012	10/25/2012	11,734	1,667	13,401	57			
11727934	HAR Unit 2	HAR2C-Rpl Circ Wtr Elbow at CT	2012	11/8/2012	55,876	41,927	97,803	260			
11687140	HAR Unit 3	HAR3C-Rpl BH Sewage Pipe to Li	2012	11/9/2012	57,335	10,397	67,732	338			
11466017	HAR Unit 3	HAR3C-Purch Gen Stator Coils	2012	11/15/2012	2,894,971	-	2,894,971	114,006			
11737133	HAR Unit 2	HAR2C-Rewind Ctr Blr Wtr Circ Motor	2012	11/15/2012	80,741	3,014	83,755	116			
11737129	HAR Unit 2	HAR2C-Rewind W Blr Wtr Circ Motor	2012	11/15/2012	85,258	3,015	88,273	122			
11737085	HAR Unit 2	HAR2C-Rpl Steam Drum Internals	2012	11/15/2012	206,963	12,413	219,376	303			
11726019	HAR Unit 1	HAR1C-H1 A SB Air Compressor	2012	11/21/2012	131,378	2,462	133,840	525	X		
11676856	HAR Unit 2	HAR2C Rpl Undrgrnd Duct Banks	2012	11/27/2012	104,649	500	105,149	232			
11524636	HAR Unit 2	HAR2C-Purch Cond Tube Sheets	2012	11/29/2012	249,483	-	249,483	18,630			

11693454	HAR Unit 3	HAR3C-Rpl CEMs Sample Probe	2012	12/18/2012	16,218	1,301	17,520	179			
11748705	HAR Unit 3	HAR3C-Rewind E Blr Circ Mtr	2012	12/19/2012	71,939	9,056	80,995	88			
11748708	HAR Unit 3	HAR3C-Rewind W Blr Circ Mtr	2012	12/19/2012	63,980	8,101	72,082	94			
11737146	HAR Unit 1	HAR1C-Rebuild East Blr Wtr Circ Pum	2012	12/20/2012	126,197	6,553	132,750	691			
11684492	HAR Unit 3	HAR3C-Rpl H3 Cond Trnsfr Pumps	2012	12/21/2012	53,753	1,404	55,157	774			
11676669	HAR Unit 1	HAR1C-Rpl Voltage Regulator	2013	2/8/2013	335,399	20,534	355,934	3,437			
11737082	HAR Unit 1	HAR1C-Rpl CT Circ Pump Exp Joints	2013	2/19/2013	67,368	19,033	86,401	265			
11687153	HAR Unit 1	HAR1C-Rpl SH Desuperheater Pip	2013	2/19/2013	191,942	29,800	221,741	1,485			
11498740	HAR Unit 1	HAR1C-Rpl Front Blr RH Panels	2013	2/20/2013	1,949,034	175,353	2,124,387	60,763			
11693484	HAR Unit 1	HAR1C-Inst APH Fab Expn Jnts	2013	2/20/2013	552,487	-	552,487	2,577			
11737142	HAR Unit 1	HAR1C-Rewind Ctr Blr Wtr Circ Motor	2013	2/25/2013	60,350	5,252	65,602	555			
11737136	HAR Unit 1	HAR1C-Rebuild Ctr Blr Wtr Circ Pump	2013	2/25/2013	145,767	11,961	157,728	2,065			
11737155	HAR Unit 1	HAR1C-Rewind East Blr Wtr Circ Moto	2013	2/25/2013	69,588	4,587	74,175	906			
11498749	HAR Unit 1	HAR1C-Rpl Boiler Nose Tubes	2013	2/26/2013	2,106,414	148,433	2,254,847	63,934			
11687149	HAR Unit 1	HAR1C-Rpl Steam Drum Internals	2013	2/26/2013	273,869	11,939	285,808	3,641			
11686997	HAR Unit 1	HAR1C-Rpl GSU Oil Coolers 2/2	2013	2/27/2013	156,425	6,700	163,125	2,094			
11760404	HAR Unit 1	HAR1C-Reinsulate W HRH Pipe	2013	3/1/2013	272,106	254,823	526,929	870			
11748697	HAR Unit 1	HAR1C-Install Liner in Circ Wtr Lin	2013	3/4/2013	682,027	-	682,027	5,837			
11717117	HAR Unit 1	HAR1C-H1 Rpl Drag Chain	2013	3/8/2013	62,445	48,135	110,580	708	X		
11771629	HAR Unit 2	HAR2C-H2 Rpl Opacity Monitor	2013	4/4/2013	47,235	795	48,030	218			
11748674	HAR Unit 2	HAR2C-Rebag 14 Compartments	2013	4/9/2013	280,494	51,557	332,051	1,552	X		
11771691	HAR Unit 0	HAR0C-Rpl Inj Well Actuators	2013	4/24/2013	18,491	720	19,211	141			
11753660	HAR Unit 3	HAR3C-Rebag 3 Cmprt Mini 2013	2013	5/16/2013	72,123	29,065	101,188	379	X		
11781093	HAR Unit 1	HAR1C-Rpl HWD & Westside Columns	2013	6/5/2013	642,412	174,597	817,010	5,951			
11748679	HAR Unit 3	HAR3C-Recond CT Transfrmr	2013	6/5/2013	68,922	8,580	77,502	436			
11838091	HAR Unit 2	HAR2C-Rpl H2 CT Fan #13	2013	6/12/2013	26,282	2,184	28,466	31			
11671227	HAR Unit 2	HAR2C-Upg Conden Tube Clean Sy	2013	6/13/2013	625,270	34,621	659,891	18,035			
11671272	HAR Unit 1	HAR1C-Upg Conden Tube Clean Sy	2013	6/14/2013	639,724	36,360	676,085	20,000			
11780057	HAR Unit 2	HAR2C-Rpl H2 CT gearbox	2013	6/21/2013	33,285	2,566	35,851	457			
11780055	HAR Unit 2	HAR2C-Rpl H2 CT Fan	2013	6/21/2013	25,278	206	25,485	515			
11831886	HAR Unit 1	HAR1C-H1 Rpl Failed Circ Pipe Liner	2013	6/24/2013	116,454	17,148	133,602	141			
11780061	HAR Unit 3	HAR3C-Rpl H3 CT gearbox	2013	6/24/2013	23,270	825	24,095	457			
11819448	HAR Unit 3	HAR3C- U3 Coal Bunker CO monit	2013	6/27/2013	52,466	-	52,466	42	X		
11829335	HAR Unit 3	HAR3C-Rbld W CT Make-Up Pump	2013	6/27/2013	13,694	3,205	16,899	16			
11819443	HAR Unit 2	HAR2C- U2 Coal Bunker CO monit	2013	6/27/2013	55,598	-	55,598	47	X		
11819429	HAR Unit 1	HAR1C- U1 Coal Bunker CO monit	2013	6/27/2013	59,818	-	59,818	36	X		
11825879	HAR Unit 0	HAR0C-Rpl E&W Lagoon Actuator	2013	7/1/2013	32,627	831	33,458	123			
11846456	HAR Unit 1	HAR1C-Rwnd W E Main Circ Pump	2013	7/31/2013	44,179	4,952	49,132	48			
11846462	HAR Unit 3	HAR3C-3B Mill Brg Foundation P	2013	8/2/2013	33,305	18,718	52,023	163	X		
11860568	HAR Unit 3	HAR3C-Rpl Relay Room AC Unit#1	2013	10/7/2013	38,347	4,919	43,266	212			
11808982	HAR Unit 0	HAR0C-Rpl Inj Well Boostr Pump	2013	11/5/2013	70,914	6,550	77,464	684			
11915831	HAR Unit 3	HAR3C-Rpl Heat Exch Exp Jnts & Vlvs	2013	11/5/2013	84,499	14,049	98,547	-			
11891381	HAR Unit 1	HAR1C-Rpl #13 CT Motor	2013	11/8/2013	10,448	1,454	11,902	50			
11891385	HAR Unit 2	HAR2C-Rewind #13 CT Motor	2013	11/8/2013	7,613	1,717	9,329	-			
11891377	HAR Unit 2	HAR2C-Rpl #12 CT Motor	2013	11/8/2013	10,981	366	11,348	53			
11810701	HAR Unit 1	HAR1C-H1 RPL Drum Safety Valve	2013	11/21/2013	33,839	7,360	41,200	58			
11868677	HAR Unit 1	HAR1C-Rpl CT N Riser Inlet Vlvs	2013	11/25/2013	124,690	32,686	157,376	974			
11838474	HAR Unit 1	HAR1C-H1 ACW Circ Pump Suction Pipe	2013	11/27/2013	166,621	31,892	198,513	1,198			
11912074	HAR Unit 3	HAR3C-RPL Failed Circ Liner	2013	11/30/2013	188,051	53,173	241,224	228			
11879212	HAR Unit 1	HAR1C-Rpl #1 FWH 1B Valve	2013	12/2/2013	15,059	2,373	17,432	18			
11885472	HAR Unit 2	HAR2C-Rpl #6 CT Fan and GearboX	2013	12/10/2013	60,686	6,254	66,940	390			
11846379	HAR Unit 1	HAR1C-Rpl MV Prot Relays	2013	12/15/2013	61,516	15,767	77,282	725			

11822091	HAR Unit 1	HAR1C-Rpl HWD&UpLouvCol Ph2	2013	12/19/2013	402,613	54,358	456,971	1,594			
11846300	HAR Unit 2	HAR2C-Rpl GSU Oil Coolers	2014	1/30/2014	284,142	4,745	288,887	1,280			
11846354	HAR Unit 2	HAR2C-Rpl SH Desuperheater & Pip	2014	2/7/2014	422,092	50,269	472,361	2,863			
11864640	HAR Unit 2	HAR2C-H2 Rebag Partial 14	2014	2/7/2014	170,974	37,866	208,840	780	X		
11891358	HAR Unit 2	HAR2C-H2 Rpl Circ Pump Expan Joints	2014	2/10/2014	85,885	40,885	126,769	481			
11947245	HAR Unit 2	HAR2C-H2 Rpl Circ Wtr Vent Lines	2014	2/12/2014	110,617	3,091	113,708	127			
11864627	HAR Unit 2	HAR2C-Inst APH Fab Expn Jnts	2014	2/13/2014	596,576	-	596,576	3,185			
11913876	HAR Unit 2	HAR2C-H2 Rpl W Blr Circ Pump 14	2014	3/7/2014	40,480	9,860	50,340	297			
11913886	HAR Unit 2	HAR2C-H2 Rpl Ctr Blr Circ Pump 14	2014	3/7/2014	95,483	10,750	106,233	586			
11947397	HAR Unit 2	HAR2C-Rbld E Flyash Vac Pump	2014	3/7/2014	34,012	5,416	39,428	160	X		
11924038	HAR Unit 2	HAR2C-H2 Replace Drag Chain 14	2014	3/7/2014	110,239	22,155	132,394	789	X		
11913894	HAR Unit 2	HAR2C-H2 Rpl E Blr Circ Pump 14	2014	3/7/2014	44,122	10,858	54,980	338			
11886891	HAR Unit 2	HAR2C-H2 RPL Inverter Batteries	2014	3/10/2014	50,649	5,246	55,895	485			
11753671	HAR Unit 2	HAR2C-Rpl Cond Tube Install	2014	3/14/2014	611,091	417,946	1,029,037	59,863			
11937955	HAR Unit 2	HAR2C-Rewind Rotating Exciter	2014	3/14/2014	1,658,247	21,527	1,679,773	10,692			
11940365	HAR Unit 2	HAR2C-Rpl 10th Stg Turbine Blade	2014	3/15/2014	191,039	32,645	223,684	245			
11883949	HAR Unit 2	HAR2C-Replace Deflation Piping	2014	3/17/2014	466,116	64,122	530,238	5,501	X		
11846347	HAR Unit 2	HAR2C-Rpl Station Prot Relays	2014	3/17/2014	47,240	14,118	61,358	1,039			
11722817	HAR Unit 2	HAR2C-Rpl Emerg Diesel Gen	2014	3/20/2014	243,282	17,683	260,966	7,981			
11890431	HAR Unit 2	HAR2C-Inst Liner Circ Wtr Line	2014	3/21/2014	1,449,037	-	1,449,037	2,162			
11876877	HAR Unit 2	HAR2C-Rpl CT Riser Pipes	2014	3/21/2014	427,753	131,232	558,985	2,766			
11929575	HAR Unit 2	HAR2C-H2 CT Structure PH1	2014	3/21/2014	928,895	127,170	1,056,065	4,431			
11928240	HAR Unit 2	HAR2C-H2 2C Coal Mill OH	2014	3/21/2014	180,934	14,294	195,227	1,120	X		
11960551	HAR Unit 2	HAR2C-Rpl Ht Exch Exp Joints	2014	3/24/2014	16,830	1,842	18,671	19			
11960123	HAR Unit 2	HAR2C-Rpl HP Drn Pump Valves	2014	3/26/2014	28,030	9,577	37,606	34			
11823262	HAR Unit 2	HAR2C-Rpl Ash Silo Collector	2014	3/28/2014	923,770	76,464	1,000,235	8,726	X		
11879186	HAR Unit 2	HAR2C-Rpl Condenser Circ Piping	2014	3/28/2014	297,075	63,139	360,214	2,131			
11966987	HAR Unit 2	HAR2C-Rpl TDBFP Disch Pipe	2014	4/3/2014	114,023	47,058	161,082	500			
11944103	HAR Unit 3	HAR3C-H3 Rebag Partial 2014	2014	5/22/2014	100,061	19,150	119,210	322	X		
11975849	HAR Unit 3	HAR3C-H3 Rpl Circ Pipe Vent Li	2014	5/24/2014	199,977	2,042	202,019	160			
11846341	HAR Unit 3	HAR3C-Rpl Station Prot Relays	2014	5/30/2014	59,277	8,202	67,479	747			
11986683	HAR Unit 3	HAR3C-Rewind W ID Fan Motor	2014	5/30/2014	237,779	12,366	250,144	243			
11999497	HAR Unit 1	HAR1C-Rbld E Seal Trough Pump	2014	5/30/2014	13,399	1,879	15,278	14			
11892065	HAR Unit 3	HAR3C-Rpl Condensate Tank	2014	6/6/2014	83,060	995	84,055	851			
12016068	HAR Unit 0	HAR0C-Rbld Inj Well Feed Pump	2014	7/9/2014	22,044	3,370	25,414	73			
11928245	HAR Unit 2	HAR2C-H2 2D Coal Mill OH	2014	9/17/2014	1,181,265	45,356	1,226,621	17,445	X		
11955266	HAR Unit 3	HAR3C-H3 Mercury CEMs Upgrade	2014	10/14/2014	279,030	399	279,428	3,661	X		
11955214	HAR Unit 3	HAR3C-H3 Install Blr CO Analyz	2014	10/14/2014	293,894	-	293,894	3,819			
11955273	HAR Unit 2	HAR2C-H2 Mercury CEMs Upgrade	2014	10/15/2014	351,010	977	351,987	4,959	X		
12041975	HAR Unit 0	HAR0C-H0 Pond #5 Pump Rpl Rot Assmb	2014	10/17/2014	33,862	8,445	42,306	169			
11986019	HAR Unit 1	HAR1C-Inst Eye-Wash Shower Station	2014	10/23/2014	15,606	488	16,094	74			
12050382	HAR Unit 1	HAR1C-Blr Blwdwn Recovry Blck Valve	2014	10/25/2014	11,242	3,223	14,465	14			
11986013	HAR Unit 2	HAR2C-Inst Eye-Wash Shower Station	2014	10/31/2014	13,404	3,936	17,340	43			
11986002	HAR Unit 3	HAR3C-Inst Eye-Wash Shower Station	2014	11/11/2014	18,205	5,575	23,780	90			
12022039	HAR Unit 3	HAR3C-H3 RPL Inverter Batterie	2014	11/17/2014	46,177	8,196	54,373	219			
12050365	HAR Unit 3	HAR3C-Rpl Cell 9 CT Gearbox/fan/hub	2014	12/5/2014	68,785	10,963	79,748	567			
12029658	HAR Unit 2	HAR2C-Rpl CT Gearbox	2014	12/5/2014	64,384	7,126	71,510	313			
12041948	HAR Unit 1	HAR1C-H1 Rpl Opacity Monitor	2014	12/10/2014	75,348	918	76,265	313			
11999508	HAR Unit 0	HAR0C-Rbld Diesel Fire Pump	2014	12/18/2014	50,688	7,446	58,134	423			
A.0001605.001.001.002	HAR Unit 0	HAR0C-Direct ACI Mercury Reduction	2014	12/30/2014	2,079,551	-	2,079,551	26,416	X		
A.0001645.001.001.001	HAR Unit 3	HAR3C-ACI-Mercury Reduction	2014	12/30/2014	525,001	-	525,001	10,022	X		
A.0001644.001.001.001	HAR Unit 2	HAR2C-ACI-Mercury Reduction	2014	12/30/2014	520,014	-	520,014	10,334	X		

A.0001550.002.001.002	HAR Unit 0	Plant Parts & Equip - New & Used	2014	12/31/2014	$	44	$	(282,408)	$	(282,364)	$	-	
A.0001550.046.001.001	HAR Unit 2	HAR2C-Rpl Basement Floor	2014	12/31/2014		-		-		-		-	
12069982	HAR Unit 3	HAR3C-H3 Rebag Partial 2015	2015	1/30/2015		210,983		48,091		259,075		337	X
12027725	HAR Unit 3	HAR3C-Rpl MBFP Recirc Vlv	2015	2/5/2015		47,841		2,660		50,501		551	
A.0001550.315.001.002	HAR Unit 1	HAR1C - ACI - Mercury Reduction	2015	2/27/2015		3,707,988		-		3,707,988		121,742	X
A.0001550.232.001.001	HAR Unit 0	HAR0C-ODR SKF Base System	2015	3/10/2015		36,218		-		36,218		239	
12181284	HAR Unit 0	HAR0C-Inst DCS Mgmt-Alm Shelv	2015	3/23/2015		110,889		-		110,889		91	
A.0001550.310.001.001	HAR Unit 2	HAR2C-Rpl Ctwr Motor Wiring	2015	4/25/2015		116,139		30,555		146,694		249	
A.0001550.014.001.001	HAR Unit 0	HAR0C-Rpl Paving Phase 3/6	2015	5/4/2015		207,810		37,933		245,743		331	
A.0001550.166.001.001	HAR Unit 2	HAR2C-H2 Rebag Partial 2015	2015	5/8/2015		186,058		25,485		211,543		248	X
A.0001550.367.001.001	HAR Unit 2	HAR2C-Rwnd CT Motor	2015	5/29/2015		8,828		652		9,481		-	
A.0001550.234.001.001	HAR Unit 0	HAR0C-Rpl S LAD Pmp Rot Assmbl	2015	6/12/2015		14,103		2,699		16,803		16	
A.0001550.140.001.002	HAR Unit 2	HAR2C-H2 CT Structure PH2	2015	6/15/2015		4,080,262		402,946		4,483,208		75,192	
A.0001550.365.001.001	HAR Unit 2	HAR2C-Rpl Cell18 CT Mechan	2015	6/15/2015		45,678		3,893		49,571		45	
A.0001550.231.001.001	HAR Unit 1	HAR1C-Inst ESP Chem Injection	2015	6/30/2015		1,205,766		1,181		1,206,947		6,723	X
A.0001550.370.001.001	HAR Unit 2	HAR2C-Rpl Cell15 Motor Wiring	2015	7/3/2015		18,670		2,567		21,237		29	
A.0001550.366.001.001	HAR Unit 2	HAR2C-Rpl Cell5 Mtr Wiring	2015	7/3/2015		13,029		2,404		15,434		28	
A.0001550.172.001.001	HAR Unit 2	HAR2C-H2 Rpl Stack Landings	2015	8/5/2015		311,666		35,577		347,243		2,633	
A.0001550.364.001.005	HAR Unit 1	HAR1C-Rpl Cell 1&2 Fan Shrouds	2015	8/13/2015		137,604		11,914		149,518		493	
A.0001550.364.001.002	HAR Unit 1	HAR1C-H1 Rpl Cell1&2 Mechanicals	2015	8/13/2015		161,220		25,712		186,932		1,005	
A.0001550.364.001.003	HAR Unit 1	HAR1C-Rpl Cells 1&2 Fan Motors	2015	8/13/2015		54,607		2,219		56,826		212	
A.0001550.364.001.004	HAR Unit 1	HAR1C-Rpl Cell 1&2 DisHdr&Vlvs	2015	8/13/2015		254,290		13,667		267,957		1,398	
A.0001550.305.001.001	HAR Unit 3	HAR3C-Repl CT Mechanicals	2015	8/13/2015		68,351		2,416		70,766		385	
A.0001550.364.001.001	HAR Unit 1	HAR1C-Rpl Cells 1-8 ElectrWiring	2015	8/13/2015		189,667		92,007		281,674		1,890	
A.0001550.425.001.001	HAR Unit 1	HAR1C-Rbld ESP WB4 TR-Set	2015	8/14/2015		46,390		17,591		63,980		45	X
A.0001550.173.001.001	HAR Unit 0	HAR0C-RR Xing Signal System	2015	8/14/2015		94,870		5,624		100,493		558	X
A.0001550.127.001.001	HAR Unit 3	HAR3C-H3 Rpl Blr Elevator	2015	8/20/2015		391,862		4,508		396,369		3,036	
A.0001550.142.001.005	HAR Unit 1	HAR1C-H1 Rpl CT Phase1	2015	8/20/2015		783,852		112,228		896,080		6,839	
A.0001550.170.001.001	HAR Unit 0	HAR0C-Rpl Diesel Fire Pump Cnt	2015	8/26/2015		24,046		4,696		28,742		61	
A.0001550.426.001.001	HAR Unit 1	HAR1C-Aux CW Motor Rewind	2015	9/3/2015		14,772		1,493		16,264		51	
A.0001550.428.001.001	HAR Unit 2	HAR2C-CTwr Cell 15 Mtr Rwnd	2015	9/16/2015		11,313		1,235		12,549		-	
A.0001550.431.001.001	HAR Unit 1	HAR1C-H1 E Mill Mtr Rwnd	2015	10/7/2015		46,623		1,755		48,378		153	X
A.0001550.116.001.001	HAR Unit 3	HAR3C-H3 CEMs Foxboro Upgrade	2015	10/7/2015		165,262		683		165,945		1,427	
A.0001550.065.001.001	HAR Unit 3	HAR3C-H3 Rpl Condenser Circ Pi	2015	10/12/2015		356,596		30,731		387,327		1,381	
A.0001550.066.001.001	HAR Unit 3	HAR3C-H3 Rpl SH Desuperheat Pi	2015	10/16/2015		307,407		48,963		356,370		1,275	
A.0001550.033.001.001	HAR Unit 3	HAR3C-Inst APH Fab Expn Jnts	2015	10/16/2015		488,979		464		489,443		2,002	
A.0001550.229.001.001	HAR Unit 3	HAR3C-Rpl Circ Rtrn Pipe Exp Joints	2015	10/21/2015		224,088		18,550		242,638		3,573	
A.0001550.167.001.001	HAR Unit 3	HAR3C-H3 Rpl Steam Drum Intern	2015	10/23/2015		260,171		19,475		279,646		1,781	
A.0001550.134.001.001	HAR Unit 3	HAR3C-Rpl Circ Pump Exp Joints	2015	10/27/2015		125,053		17,087		142,140		466	
A.0001550.169.001.001	HAR Unit 3	HAR3C-Rpl Circ Pump SctHds & Piping	2015	10/27/2015		304,435		35,176		339,612		1,134	
A.0001550.368.001.001	HAR Unit 3	HAR3C-Rpl Cell10 CT Mechan	2015	10/30/2015		54,777		5,093		59,869		255	
A.0001550.430.001.001	HAR Unit 0	HAR0C-Rpl Trn Cntr Septic Tan	2015	10/30/2015		12,981		546		13,528		15	
A.0001550.437.001.001	HAR Unit 3	HAR3C-Rpl W SealTrough RotAsmb	2015	11/4/2015		16,171		425		16,596		61	
A.0001550.369.001.001	HAR Unit 3	HAR3C-Rpl Deflation Fans VFDs	2015	11/4/2015		28,759		2,056		30,815		303	X
A.0001550.432.001.001	HAR Unit 3	HAR3C-Rpl Deflation Fan Motors	2015	11/5/2015		18,747		3,949		22,696		67	X
11929581	HAR Unit 0	HAR0C- Indir ACI Mercury Reduc	2015	11/5/2015		-		-		-		-	X
A.0001550.434.001.001	HAR Unit 3	HAR3C-H3 E CT Makeup Pump	2015	11/5/2015		15,491		5,911		21,402		59	
A.0001550.175.001.001	HAR Unit 1	HAR1C-H1 Upgrade CEMs Foxboro	2015	11/6/2015		176,685		937		177,622		511	
A.0001550.436.001.001	HAR Unit 3	HAR3C-Rpl Main Steam Vent Vlv	2015	11/6/2015		25,800		661		26,461		65	
A.0001550.224.001.001	HAR Unit 3	HAR3C-Rpl SH Spray Valves	2015	11/6/2015		97,899		15,972		113,871		959	
A.0001550.163.001.001	HAR Unit 3	HAR3C-Coal Mill A Vane Wheels	2015	11/9/2015		61,047		6,221		67,268		423	X
A.0001550.161.001.001	HAR Unit 3	HAR3C-Coal Mill B Vane Wheels	2015	11/10/2015		70,929		2,676		73,605		450	X

A.0001550.159.001.001	HAR Unit 3	HAR3C-Rpl Mill C Vane Wheels	2015	11/10/2015	56,717	3,656	60,374	413	X
A.0001550.168.001.001	HAR Unit 3	HAR3C-H3 Rpl GSU Oil Coolers	2015	11/11/2015	276,332	5,911	282,243	4,780	
A.0001550.216.001.001	HAR Unit 3	HAR3C-Coal Mill D Vane Wheels	2015	11/13/2015	61,870	14,024	75,894	432	X
A.0001550.164.001.001	HAR Unit 3	HAR3C-Coal Mill E Vane Wheels	2015	11/13/2015	59,888	8,606	68,494	435	X
A.0001550.121.001.001	HAR Unit 3	HAR3C-H3 Rpl Stack Landings	2015	11/16/2015	305,042	30,894	335,936	3,005	
A.0001550.133.001.001	HAR Unit 3	HAR3C-H3 Rpl Drag Chain 2015	2015	11/16/2015	69,497	8,826	78,323	96	X
A.0001550.162.001.001	HAR Unit 3	HAR3C-Coal Mill C Exhauster Fan	2015	11/17/2015	181,659	3,779	185,438	1,066	X
A.0001550.144.001.001	HAR Unit 3	HAR3C-H3 Rebag Partial	2015	11/17/2015	108,503	18,868	127,371	127	X
A.0001550.062.001.001	HAR Unit 3	HAR3C-H3 Coolingtower Riser Pi	2015	11/19/2015	685,501	82,476	767,976	4,158	
A.0001550.160.001.001	HAR Unit 3	HAR3C-Coal Mill B Major OH	2015	11/19/2015	401,982	21,731	423,713	1,422	X
A.0001550.429.001.001	HAR Unit 3	HAR3C-Rpl MBFP Element 2015	2015	11/20/2015	554,771	2,762	557,533	520	
A.0001550.037.001.001	HAR Unit 3	HAR3C-Upg Conden Tube Clean Sy	2015	11/20/2015	653,476	33,972	687,449	14,723	
A.0001550.438.001.001	HAR Unit 2	HAR2C-S Conden Pump Mtr Rwnd	2015	11/23/2015	7,913	647	8,561	-	
A.0001550.023.001.001	HAR Unit 3	HAR3C-Rewind H3 Generator	2015	11/26/2015	2,178,850	66,445	2,245,295	8,996	
A.0001550.215.001.001	HAR Unit 3	HAR3C-H3 Rewind Exciter Rotor	2015	11/26/2015	1,637,803	40,813	1,678,616	9,772	
A.0001550.230.001.001	HAR Unit 2	HAR2C-H2 Mill C Mjr Mjr Overhaul	2015	11/29/2015	1,062,520	134,584	1,197,104	4,317	X
A.0001550.122.001.001	HAR Unit 3	HAR3C-Rpl CT Drift Eliminators	2015	11/30/2015	540,889	166,849	707,738	2,053	
A.0001550.048.001.001	HAR Unit 2	HAR2C-Install SwGr Flood Dams	2015	12/7/2015	68,178	-	68,178	85	
A.0001550.233.001.001	HAR Unit 3	HAR3C-Rwnd E ID Fan Motor	2015	12/7/2015	229,614	8,962	238,575	478	
A.0001550.047.001.001	HAR Unit 1	HAR1C-Install SwGr Flood Dams	2015	12/7/2015	71,674	-	71,674	170	
A.0001550.049.001.001	HAR Unit 3	HAR3C-Install SwGr Flood Dams	2015	12/7/2015	69,996	-	69,996	89	
A.0001550.119.001.001	HAR Unit 0	HAR0C-Rpl Boiler Recovery HE	2015	12/17/2015	372,751	2,098	374,849	2,913	
A.0001550.132.001.001	HAR Unit 3	HAR3C-H3 Rpl C Blr Circ Pump	2015	12/23/2015	198,417	18,528	216,945	655	
A.0001550.140.001.001	HAR Unit 2	HAR2C-H2 CT Structure PH3A	2015	12/23/2015	1,888,539	28,579	1,917,118	13,103	
A.0001550.142.001.003	HAR Unit 1	HAR1C-H1 Rpl CT Phase2	2015	12/23/2015	1,313,421	235,462	1,548,883	6,305	
A.0001550.439.001.001	HAR Unit 1	HAR1C-Rpl EB4 TR-Set	2016	1/29/2016	38,865	652	39,517	146	X
A.0001550.433.001.001	HAR Unit 2	HAR2C-H2 MBFP Recirc Valve	2016	2/29/2016	45,139	2,573	47,712	226	
A.0001550.435.001.001	HAR Unit 0	HAR0C-Wtr Drainage SprinklPiv	2016	3/31/2016	158,550	2,601	161,151	1,806	
A.0001550.120.001.002	HAR Unit 0	HAR0C-H0 RR Drainage Construct	2016	5/31/2016	762,469	-	762,469	11,932	X
A.0001550.267.001.002	HAR Unit 2	HAR2C-Rpl SBAC 2C Vib Mon Sys	2016	5/31/2016	24,712	1,422	26,135	126	X
A.0001550.027.001.001	HAR Unit 2	HAR2C-E 2C SBAC Motor Rewind	2016	5/31/2016	120,313	(1,358)	118,956	633	X
A.0001550.138.001.001	HAR Unit 1	HAR1C-E Rpl Silo Aeration Blower	2016	5/31/2016	20,694	3,265	23,958	22	X
A.0001550.288.001.002	HAR Unit 3	HAR3C-Rpl Deflation Pipe 1/2	2016	6/28/2016	420,403	17,040	437,443	2,876	X
A.0001550.249.001.001	HAR Unit 1	HAR1C-Rpl CT Mechanicals Ph1	2016	6/28/2016	499,292	3,221	502,513	9,103	
A.0001550.277.001.001	HAR Unit 2	HAR2C-SBAC 2C Mjr Rebld 2016	2016	6/28/2016	314,550	122,939	437,489	7,521	X
A.0001550.139.001.001	HAR Unit 3	HAR3C-E Rpl Flyash Fluidization htr	2016	6/28/2016	49,490	2,530	52,019	236	X
A.0001550.189.001.002	HAR Unit 1	HAR1C-Rpl Stack Landings	2016	6/28/2016	390,642	19,470	410,112	3,285	
A.0001550.142.001.004	HAR Unit 1	HAR1C-H1 Rpl CT Phase3	2016	6/28/2016	1,925,383	508,375	2,433,758	37,852	
A.0001550.323.001.001	HAR Unit 0	HAR0C-E Rpl Inj Well Actuators	2016	7/28/2016	35,161	4,125	39,286	53	
A.0001550.140.001.004	HAR Unit 2	HAR2C-H2 CT Structure PH3B	2016	7/28/2016	1,995,036	760,780	2,755,816	45,513	
A.0001550.099.001.001	HAR Unit 1	HAR1C-E BD Recovery block valve	2016	7/29/2016	8,207	592	8,800	43	
A.0001550.119.001.002	HAR Unit 1	HAR1C-Blwdwn Rec Blck Vlv	2016	7/29/2016	18,696	291	18,987	612	
A.0001550.318.001.001	HAR Unit 2	HAR2C-E Rpl Main Gas Actuator	2016	7/29/2016	10,923	95	11,018	54	
A.0001550.322.001.002	HAR Unit 2	HAR2C-INS STLMT-H2 Cond Tube	2016	7/29/2016	1,987	116,524	118,511	442	
A.0001550.096.001.002	HAR Unit 2	HAR2C-H2 Blr Blowdown Separato	2016	7/29/2016	145,252	(133)	145,119	1,939	
A.0001550.218.001.001	HAR Unit 2	HAR2C-Rewind Generator	2016	8/30/2016	2,762,723	-	2,762,723	68,288	
A.0001550.115.001.001	HAR Unit 1	HAR1C-H1 Rpl Bottom Ash Bunker	2016	8/30/2016	24,627	4,612	29,239	194	X
A.0001550.268.001.002	HAR Unit 2	HAR2C-Rpl CT Mechanicals	2016	8/30/2016	314,108	12,593	326,701	6,726	
A.0001550.118.001.001	HAR Unit 0	HAR0C-H0 Reline Pond #16	2016	9/24/2016	602,746	120,150	722,896	4,996	
A.0001550.114.001.001	HAR Unit 1	HAR1C-H1 Rpl Lab Analyzers 201	2016	9/24/2016	116,753	6,722	123,475	745	
A.0001550.319.001.001	HAR Unit 2	HAR2C- E W Aeration Blwr Ovhl	2016	9/28/2016	36,369	1,054	37,423	336	X
A.0001550.333.001.001	HAR Unit 2	HAR2C-E H2 Rpl #5 CT Motor	2016	9/28/2016	5,762	5,261	11,023	26	

A.0001550.334.001.001	HAR Unit 3	HAR3C-E H3 Rpl #2 CT Motor	2016	9/28/2016	3,446	4,587	8,033	6		
A.0001550.254.001.001	HAR Unit 1	HAR1C-Rpl ID Fans Inlet Exp Jn	2016	10/28/2016	118,541	8,421	126,962	379		
A.0001550.209.001.002	HAR Unit 1	HAR1C-H1 ESP Rpl Rappers	2016	10/28/2016	472,684	8,647	481,330	3,485	X	
A.0001550.331.001.001	HAR Unit 2	HAR2C-E West Flyash pump ovhl	2016	10/28/2016	42,342	3,234	45,576	370	X	
A.0001550.031.001.001	HAR Unit 1	HAR1C-H1 Rpl CT MCC s	2016	11/16/2016	513,798	2,904	516,703	11,034		
A.0001550.036.001.001	HAR Unit 1	HAR1C-Rpl Turb Cont Sys&Soft	2016	11/16/2016	1,043,593	30,577	1,074,170	27,197		
A.0001550.177.001.001	HAR Unit 1	HAR1C-H1 Replace APH Baskets	2016	11/16/2016	1,333,093	300,317	1,633,409	32,143		
A.0001550.427.001.001	HAR Unit 1	HAR1C-Rpl HRH Piping &Hanger	2016	11/16/2016	2,189,051	972,138	3,161,188	43,420		
A.0001550.255.001.002	HAR Unit 1	HAR1C-Rpl Inverter	2016	11/16/2016	92,365	10,357	102,722	1,609		
A.0001550.188.001.002	HAR Unit 1	HAR1C-ESP Upgrd Micro Voltg Cntrllr	2016	11/16/2016	135,412	11,984	147,396	1,810		
A.0001550.320.001.001	HAR Unit 3	HAR3C- E Rpl Cnt Condensate Tank	2016	11/16/2016	70,452	6,971	77,423	474		
A.0001550.335.001.001	HAR Unit 1	HAR1C-E Rbls Flyash Vac Pmps	2016	11/16/2016	124,634	5,744	130,378	529	X	
A.0001550.337.001.001	HAR Unit 3	HAR3C-E Rwnd D Coal Mill Mtr	2016	11/16/2016	64,208	7,836	72,044	261	X	
A.0001550.338.001.001	HAR Unit 3	HAR3C-E Rwnd E Coal Mill Mtr	2016	11/16/2016	47,625	4,431	52,056	346	X	
A.0001550.214.001.002	HAR Unit 1	HAR1C-Rewind Exciter Rotor	2016	11/29/2016	1,955,320	29,197	1,984,518	16,382		
A.0001550.203.001.001	HAR Unit 1	HAR1C U1 Rpl SH Spray Valves	2016	11/29/2016	76,485	1,766	78,250	1,120		
A.0001550.332.001.001	HAR Unit 3	HAR3C-E Rpl Relay Room AC	2016	12/15/2016	24,979	3,610	28,589	248		
A.0001550.142.001.002	HAR Unit 1	HAR1C-H1 Rpl CT Phase4	2016	12/20/2016	1,327,167	194,940	1,522,107	8,663		
A.0001550.176.001.001	HAR Unit 2	HAR2C-H2 Upgrade CEMs Foxboro	2016	12/20/2016	222,314	991	223,305	2,074		
A.0001550.101.001.002	HAR Unit 1	HAR1CUT CT Riser Pipes	2016	12/28/2016	643,052	141,721	784,772	815		
A.0001550.284.001.002	HAR Unit 3	HAR3C-Rpl CT Mech Ph1 -New	2016	12/28/2016	228,408	7,807	236,215	170		
A.0001550.181.001.002	HAR Unit 1	HAR1C-Rpl H1 Mill A Exhauster Fan	2016	12/28/2016	176,192	9,502	185,693	5,230	X	
A.0001550.112.001.001	HAR Unit 1	HAR1C-H1 Rpl Drag Chain	2016	12/28/2016	67,486	1,974	69,460	268	X	
A.0001550.109.001.002	HAR Unit 1	HAR1C-U1 Rpl CondCircPipe NEW	2016	12/30/2016	374,994	153,665	528,659	453		
A.0001550.289.001.001	HAR Unit 3	HAR3C-Rpl Deflation Pipe 2/2	2017	1/30/2017	376,914	84,739	461,653	1,773	X	
A.0001550.294.001.001	HAR Unit 3	HAR3C-Rpl Inverter	2017	1/30/2017	144,188	9,421	153,609	1,274		
A.0001550.339.001.001	HAR Unit 1	HAR1C-E Rebuild TR Set	2017	1/30/2017	31,732	3,259	34,991	77	X	
A.0001550.343.001.001	HAR Unit 3	HAR3C-E Rpl O2 Probe	2017	1/30/2017	16,760	1,352	18,112	15		
A.0001550.146.001.001	HAR Unit 3	HAR3C-H3 Rebag Partial 2017	2017	3/30/2017	144,745	8,158	152,903	1,536	X	
A.0001550.340.001.001	HAR Unit 0	HAR0C-E Rpl Inj Well Div Vlvs	2017	3/30/2017	143,383	64,571	207,954	1,477		
A.0001550.344.001.001	HAR Unit 2	HAR2C-E Rpl C Mill Exh Fan Brg	2017	3/30/2017	193,676	912	194,588	2,164	X	
A.0001550.341.001.001	HAR Unit 3	HAR3C-E Rpl East Condensate Tank	2017	3/30/2017	71,244	4,154	75,398	860		
A.0001550.137.001.001	HAR Unit 2	HAR2C-H2 Rpl Lab Analyzers 201	2017	4/24/2017	88,564	5,753	94,317	753		
A.0001550.190.001.001	HAR Unit 2	HAR2C-H2 Mill B Major Major OH	2017	5/18/2017	822,506	115,571	938,076	11,919	X	
A.0001550.304.001.002	HAR Unit 3	HAR3C-Rpl SBAC JoyVibMonSys	2017	5/18/2017	31,532	1,739	33,271	124	X	
A.0001550.097.001.002	HAR Unit 2	HAR2C-H2 Rpl Drag Chain 2017	2017	5/18/2017	58,564	3,163	61,727	77	X	
A.0001550.142.001.001	HAR Unit 1	HAR1C-H1 Rpl CT Phase5	2017	5/18/2017	2,200,507	213,515	2,414,022	20,007		
A.0001550.269.001.001	HAR Unit 2	HAR2C-Rpl Circ Pump Suction Ho	2017	5/26/2017	214,043	34,882	248,925	1,572		
A.0001550.342.001.001	HAR Unit 0	HAR0C-E Rpl Inst Air Compr	2017	5/26/2017	140,847	(65,811)	75,036	3,721		
A.0001550.273.001.001	HAR Unit 2	HAR2C-Rpl Inverter	2017	5/26/2017	118,418	2,737	121,155	2,055		
A.0001550.453.001.001	HAR Unit 2	HAR2C- Rpl Bghse Doors -20587	2017	5/26/2017	284,407	54,123	338,530	1,224	X	
A.0001550.219.001.001	HAR Unit 2	HAR2C-Replace APH Baskets	2017	5/26/2017	1,345,533	141,654	1,487,187	18,137		
A.0001550.185.001.001	HAR Unit 2	HAR2C-H2 Rpl #3 HP FWH	2017	5/26/2017	886,249	99,570	985,818	9,224		
A.0001550.452.001.001	HAR Unit 2	HAR2C- Rpl Bghse Inlet Exp Jnts -20	2017	5/26/2017	208,881	59,949	268,830	522	X	
A.0001550.500.001.003	HAR Unit 3	HAR3C-Rpl Gen CU and AutoSynch	2017	5/26/2017	17,373	534	17,907	111		
A.0001550.243.001.002	HAR Unit 0	HAR0C-Rpl Control Sys Sim NEW	2017	5/26/2017	765,477	4,438	769,915	656		
A.0001550.275.001.001	HAR Unit 2	HAR2C-Rpl SH Spray Valves	2017	6/9/2017	82,853	8,120	90,973	824		
A.0001550.500.001.004	HAR Unit 3	HAR3C-Rpl cell 7 & 11 CT Mech	2017	6/9/2017	116,187	7,318	123,505	630		
A.0001550.449.001.001	HAR Unit 2	HAR2C-RPL Boiler Corner Tubes -2134	2017	6/9/2017	2,467,921	265,561	2,733,483	26,025		
A.0001550.454.001.001	HAR Unit 2	HAR2C-Rpl HRH Piping & Hangers -205	2017	6/9/2017	2,156,067	407,841	2,563,908	20,800		
A.0001550.429.001.002	HAR Unit 3	HAR3C Rebuild H3 BFP Element	2017	6/9/2017	(157,457)	-	(157,457)	11		
A.0001550.019.001.001	HAR Unit 2	HAR2C-Rpl Turbine Cont Sys&Sof	2017	6/16/2017	918,538	1,340	919,878	24,061		

A.0001550.308.001.001	HAR Unit 2	HAR2C-H2 Upgrd DCS Opr stn	2017	6/28/2017	528,466	4,658	533,124	6,643			
A.0001550.500.001.005	HAR Unit 0	HAR0C-Rpl Main Fire Alm Pnl	2017	6/30/2017	18,124	2,480	20,603	16			
A.0001550.299.001.001	HAR Unit 3	HAR3C-SBAC Joy Mjr Rebld 2016	2017	7/3/2017	480,173	59,847	540,021	7,989	X		
A.0001550.232.001.002	HAR Unit 0	HAR0C-Vibration Mntr Sys	2017	7/19/2017	(4)	4	-	-			
A.0001550.093.001.001	HAR Unit 2	HAR2C-H2 Rpl Distribution Valv	2017	7/24/2017	618,806	7,132	625,938	7,396			
A.0001550.442.001.002	HAR Unit 1	HAR1C-ESP Re-build TR-sets Ph1	2017	7/31/2017	91,658	8,995	100,653	346	X		
A.0001550.500.001.007	HAR Unit 1	HAR1C-CT Fan Motor #7 Rewind	2017	8/11/2017	7,812	820	8,632	66			
A.0001550.500.001.008	HAR Unit 2	HAR2C-N Cond pump mtr rewind	2017	8/23/2017	7,400	308	7,708	28			
A.0001550.500.001.006	HAR Unit 3	HAR3C-Rpl 2C Heater Drains Vlv	2017	8/23/2017	10,833	469	11,303	47			
A.0001550.500.001.011	HAR Unit 3	HAR3C-Rpl CT Cell #2 Mechanicals	2017	10/30/2017	98,358	560	98,919	95			
A.0001550.500.001.010	HAR Unit 3	HAR3C-CT Mkup Pmp Mtr Rewind	2017	11/20/2017	7,355	1,153	8,508	-			
A.0001550.448.001.002	HAR Unit 1	HAR1C-Rpl MBFP Recirc Vlv	2017	11/27/2017	76,467	3,101	79,568	637			
A.0001550.500.001.013	HAR Unit 3	HAR3C-N Cond Motor Rewind	2017	12/13/2017	11,937	1,250	13,187	119			
A.0001550.500.001.012	HAR Unit 1	HAR1C-Rpl W #2 O2 Probe	2017	12/13/2017	16,507	2,133	18,640	77			
A.0001550.258.001.002	HAR Unit 1	HAR1C-Rpl SBAC 1B Vib Mon Sys	2017	12/14/2017	23,421	2,575	25,996	182	X		
A.0001550.262.001.002	HAR Unit 1	HAR1C-SBAC 1B Mjr Rebld 2017	2017	12/18/2017	516,725	24,505	541,230	3,241	X		
A.0001550.194.001.002	HAR Unit 2	HAR2C-Rpl H2 Mill E Exhauster	2017	12/18/2017	83,375	14,396	97,771	216	X		
A.0001550.500.001.014	HAR Unit 3	HAR3C-Rpl W CT MakeUp Pmp Asb	2017	12/26/2017	22,403	1,891	24,294	22			
A.0001550.462.001.002	HAR Unit 0	HAR0C-Remove UG Fuel Tanks	2018	4/19/2018	-	50,652	50,652	-			
A.0001550.461.001.002	HAR Unit 0	HAR0C-Inst Above Grade Fuel Tanks	2018	4/24/2018	31,468	-	31,468	82			
A.0001550.443.001.002	HAR Unit 1	HAR1C-ESP Rebuild TR-sets PH2	2018	5/15/2018	91,868	5,038	96,906	1,205	X		
A.0001550.250.001.002	HAR Unit 1	HAR1C-Rpl CT Mechanicals Ph2	2018	6/13/2018	387,774	10,003	397,777	1,598			
A.0001550.500.001.024	HAR Unit 0	HAR0C-CESP BFP Element	2018	6/13/2018	168,304	-	168,304	909			
A.0001550.481.001.002	HAR Unit 0	HAR0C-Trng Cntr Fire Detection	2018	6/13/2018	42,399	3,426	45,825	100			
A.0001550.500.001.009	HAR Unit 2	HAR2C-Rpl S Cond Pump Element	2018	6/14/2018	80,736	5,763	86,499	2,027			
A.0001550.500.001.018	HAR Unit 2	HAR2C-Rpl O2 Probes	2018	6/25/2018	21,631	261	21,892	113			
A.0001550.500.001.023	HAR Unit 1	HAR1C-SUBFP Motor Rewind	2018	6/25/2018	211,706	30,023	241,729	186			
A.0001550.500.001.017	HAR Unit 3	HAR3C-CT N Circ Pump Mtr Rewind	2018	6/25/2018	136,535	16,919	153,454	894			
A.0001550.500.001.015	HAR Unit 1	HAR1C-W Circ Pmp Wire Replaced	2018	6/25/2018	73,552	6,165	79,716	832			
A.0001550.500.001.026	HAR Unit 2	HAR2C-Rpl Deflation Fan Motors	2018	6/25/2018	17,716	4,078	21,794	80	X		
A.0001550.021.001.002	HAR Unit 0	HAR0C-Rpl Paving Phase 5/6	2018	6/25/2018	252,260	123,899	376,158	603			
A.0001550.500.001.019	HAR Unit 1	HAR1C-CTMU Pump Rpl Rotating Assy	2018	6/25/2018	19,678	2,846	22,524	166			
A.0001550.034.001.002	HAR Unit 0	HAR0C-Rpl Paving Phase 6/6	2018	6/25/2018	180,040	73,091	253,132	384			
A.0001550.500.001.016	HAR Unit 3	HAR3C-Install Eye Wash Station	2018	8/10/2018	23,337	-	23,337	197			
A.0001550.500.001.020	HAR Unit 2	HAR2C-Rpl W FD Fn Oil Clr Tubes	2018	8/10/2018	22,246	2,886	25,132	352			
A.0001550.006.001.002	HAR Unit 2	HAR2C-H2 Install Ash Silo Elev	2018	9/18/2018	565,909	11,707	577,616	7,571	X		
A.0001550.500.001.022	HAR Unit 0	HAR0C-Rpl ACI Diverter Valves	2018	9/27/2018	12,891	536	13,427	242			
A.0001550.500.001.021	HAR Unit 0	HAR0C-Rpl Pond 7 Floating Pump	2018	9/27/2018	14,866	490	15,356	244			
A.0001550.500.001.027	HAR Unit 3	HAR3C-Rpl #2 FWH 2B Valve	2018	10/25/2018	40,365	8,213	48,579	260			
A.0001550.478.001.002	HAR Unit 3	HAR3C-W Vac Pump Overhaul	2018	11/13/2018	433	(433)	0	-	X		
A.0001550.283.001.002	HAR Unit 3	HAR3C-Rpl APH Baskets	2018	11/15/2018	1,623,841	155,385	1,779,226	30,002			
A.0001550.458.001.002	HAR Unit 3	HAR3C- Rpl Bghse Doors -20582	2018	11/19/2018	364,027	65,984	430,011	3,258	X		
A.0001550.500.001.032	HAR Unit 2	HAR2C-Inst CT Cable tray	2018	11/19/2018	59,589	10,237	69,825	381			
A.0001550.028.001.002	HAR Unit 2	HAR2C-Replace Cooling Tower Acid Ta	2018	11/23/2018	210,340	28,789	239,129	3,331			
A.0001550.035.001.002	HAR Unit 3	HAR3C-Rpl Boiler Economizer	2018	11/23/2018	4,189,538	1,065,180	5,254,718	89,272			
A.0001550.455.001.002	HAR Unit 3	HAR3C- ACW Heat Exchangers	2018	11/23/2018	234,268	93,521	327,790	3,827			
A.0001550.151.001.002	HAR Unit 3	HAR3C-Rebag Partial 2018	2018	11/23/2018	131,881	47,081	178,962	1,262	X		
A.0001550.082.001.002	HAR Unit 3	HAR3C-Rpl Drag Chain 2018	2018	11/23/2018	71,774	7,628	79,402	712	X		
A.0001550.500.001.025	HAR Unit 3	HAR3C-Rpl Bghse Inlet Duct Exp Jnts	2018	11/23/2018	131,949	136,640	268,589	1,151	X		
A.0001550.479.001.002	HAR Unit 3	HAR3C-Rpl EHC Pump Sys	2018	11/23/2018	350,665	29,825	380,490	2,355			
A.0001550.500.001.033	HAR Unit 3	HAR3C-Aux Clg Wtr Pmp Mtr Rwd	2018	11/26/2018	60,069	7,872	67,940	374			
A.0001550.500.001.039	HAR Unit 3	HAR3C-N ACW Pump Mtr Rwnd	2018	11/26/2018	35,458	2,611	38,069	13			

A.0001550.309.001.002	HAR Unit 3	HAR3C-H3 Upgrd DCS Opr stn	2018	11/26/2018	780,792	11,494	792,286	14,097			
A.0001550.500.001.043	HAR Unit 3	HAR3C-Rpl FWH3 Shell relief vlv	2018	11/28/2018	8,758	1,277	10,035	33			
A.0001550.500.001.036	HAR Unit 3	HAR3C-Rpl FWH3 Steam Separator	2018	11/28/2018	10,673	5,426	16,099	96			
A.0001550.083.001.002	HAR Unit 3	HAR3C-Rpl Lab Analyzers 2018	2018	11/29/2018	151,767	711	152,479	2,766			
A.0001550.473.001.002	HAR Unit 3	HAR3C-Inst Online Vib Mntr Sys	2018	11/29/2018	88,488	5	88,493	712			
A.0001550.500.001.045	HAR Unit 2	HAR2C-W Seal Trough Wtr Pump Rpl	2018	12/21/2018	6,482	175	6,657	48			
A.0001550.500.001.040	HAR Unit 3	HAR3C-C BCP Mtr Rwnd	2018	12/21/2018	72,700	8,709	81,409	387			
A.0001550.500.001.038	HAR Unit 3	HAR3C-Rpl W#4 O2 Probe	2018	12/21/2018	11,575	594	12,169	4			
A.0001550.500.001.028	HAR Unit 3	HAR3C-3D SBAC Motor Rewind	2018	12/21/2018	170,115	4,071	174,185	3,665	X		
A.0001550.500.001.041	HAR Unit 3	HAR3C-Rpl N Cond Bstr Pump Cable	2018	12/26/2018	20,253	1,169	21,422	131			
A.0001550.500.001.031	HAR Unit 0	HAR0C-Swing gates and ladder	2018	12/26/2018	118,168	-	118,168	1,590			
A.0001550.500.001.030	HAR Unit 3	HAR3C-Rpl N CT Circ Pump cable	2018	12/26/2018	72,287	8,605	80,892	1,086			
A.0001550.500.001.042	HAR Unit 1	HAR1C-Rpl Dust Sprssn Pump Cable	2018	12/26/2018	31,062	5,227	36,288	106	X		
A.0001550.500.001.034	HAR Unit 0	HAR0C-Inst Vlv on BD Recovery	2018	12/26/2018	106,656	-	106,656	80			
A.0001550.244.001.002	HAR Unit 0	HAR0C-Rpl SBAC Controls	2018	12/26/2018	506,492	606	507,098	23,479	X		
A.0001550.475.001.002	HAR Unit 3	HAR3C-Rpl CT Bottom Structure	2018	12/26/2018	1,227,170	204,545	1,431,715	19,406			
A.0001550.500.001.029	HAR Unit 1	HAR1C-Rpl #2 Corner Tilt Drives	2019	1/29/2019	48,881	2,818	51,698	676			
A.0001550.446.001.002	HAR Unit 1	HAR1C-CT Fan Stacks 20850	2019	1/31/2019	481,906	12,016	493,922	11,463			
A.0001550.450.001.002	HAR Unit 2	HAR2C- Rpl CT Fan Stacks -21027	2019	1/31/2019	464,132	31,207	495,339	7,959			
A.0001550.500.001.035	HAR Unit 3	HAR3C-Rpl FWH2 Steam Separator	2019	1/31/2019	10,058	7,408	17,467	83			
A.0001550.376.001.002	HAR Unit 1	HAR1C-Rpl DA Heater Vessel	2019	4/25/2019	722,492	339,753	1,062,245	8,941			
A.0001550.500.001.048	HAR Unit 1	HAR1C-Rpl MC3 Analyzer Board	2019	4/30/2019	18,770	330	19,100	87			
A.0001550.385.001.002	HAR Unit 1	HAR1C-Rpl Inverter Batteries	2019	4/30/2019	51,833	2,319	54,152	628			
A.0001550.375.001.002	HAR Unit 1	HAR1C-N CT header Expansion Joints	2019	5/27/2019	24,207	5,725	29,931	186			
A.0001550.379.001.002	HAR Unit 1	HAR1C-Rpl FWH7 Separator	2019	5/28/2019	8,843	1,259	10,102	68			
A.0001550.251.001.002	HAR Unit 1	HAR1C-Rpl CT Mechanicals Ph3	2019	5/28/2019	356,762	11,024	367,786	2,220			
A.0001550.387.001.002	HAR Unit 1	HAR1C-Rpl Gen Hydrogen Purity Monit	2019	5/28/2019	150,207	13,590	163,797	2,036			
A.0001550.378.001.002	HAR Unit 1	HAR1C-Rpl FWH3 Steam Separator	2019	5/28/2019	13,029	1,556	14,585	100			
A.0001550.500.001.049	HAR Unit 1	HAR1C-Rpl Hg Probe & Elec Pnl	2019	5/30/2019	34,557	701	35,258	99			
A.0001550.285.001.002	HAR Unit 3	HAR3C-Rpl CT Mechanicals P2	2019	5/31/2019	442,598	18,254	460,852	10,282			
A.0001550.457.001.002	HAR Unit 3	HAR3C-Rpl CT Hot Water Decks	2019	5/31/2019	1,623,399	174,073	1,797,472	68,428			
A.0001550.456.001.002	HAR Unit 3	HAR3C-Rpl CT Fan Deck	2019	5/31/2019	838,471	168,830	1,007,302	21,586			
A.0001550.500.001.037	HAR Unit 1	HAR1C-Rpl Generator Breaker FK10	2019	5/31/2019	250,743	55,729	306,472	3,724			
A.0001550.382.001.002	HAR Unit 3	HAR3-H3 Rpl CT Pumphouse Roof	2019	5/31/2019	98,743	24,026	122,768	122			
A.0001550.500.001.044	HAR Unit 0	HAR0C-Rpl SU XFMR Bushings	2019	6/21/2019	70,877	8,472	79,349	1,947			
A.0001550.500.001.054	HAR Unit 3	HAR3C-Rpl E Seal Tr Pmp Mtr	2019	6/21/2019	6,261	343	6,604	-	X		
A.0001550.500.001.057	HAR Unit 3	HAR3C-Rewind W ID Fan Motor	2019	6/26/2019	203,687	403	204,091	1,095			
A.0001550.500.001.053	HAR Unit 1	HAR1C-E BCP Mtr Rewind	2019	6/26/2019	83,693	255	83,948	863			
A.0001550.500.001.046	HAR Unit 1	HAR1C-Rpl E#5 O2 probe	2019	6/26/2019	12,764	130	12,894	412			
A.0001550.447.001.002	HAR Unit 1	HAR1C-Rpl ESP Wires Ph 1 of 2	2019	6/27/2019	397,516	96,542	494,059	6,080	X		
A.0001550.050.001.002	HAR Unit 1	HAR1C-H1 Rpl Foxboro FBMs	2019	6/27/2019	1,352,713	102,184	1,454,897	44,031			
A.0001550.252.001.002	HAR Unit 1	HAR1C-Rpl Drag Chain 2019	2019	6/27/2019	168,162	1,367	169,530	892	X		
A.0001550.207.001.002	HAR Unit 2	HAR2C-Rebag Partial 2019	2019	6/27/2019	206,063	26,016	232,078	7,978	X		
A.0001550.468.001.002	HAR Unit 1	HAR1C-Rpl HV Gen Bushings	2019	6/27/2019	523,678	60,541	584,219	17,955			
A.0001550.467.001.002	HAR Unit 1	HAR1C-Rpl EHC Pump Sys.	2019	6/27/2019	376,585	11,728	388,313	4,193			
A.0001550.500.001.050	HAR Unit 1	HAR1C-Rpl FD Fan Rm W Ovhd Door	2019	6/27/2019	41,670	2,499	44,169	340			
A.0001550.307.001.002	HAR Unit 1	HAR1C-Upgrade DCS Op Stations	2019	6/28/2019	447,364	5,263	452,627	15,410			
A.0001550.444.001.002	HAR Unit 1	HAR1C- ESP Re-build 10 TR-sets	2019	6/28/2019	291,415	10,554	301,969	3,514	X		
A.0001550.500.001.058	HAR Unit 3	HAR3C-Rwd Turb Brg Oil Pmp Mtr	2019	6/28/2019	3,020	956	3,976	-			
A.0001550.500.001.051	HAR Unit 1	HAR1C-Rpl S. Vacuum Pump Motor	2019	6/28/2019	10,942	1,189	12,131	160	X		
A.0001550.500.001.061	HAR Unit 0	HAR0C-Rebuild Inj Well Pmp	2019	7/29/2019	16,442	2,838	19,280	112			
A.0001550.500.001.047	HAR Unit 1	HAR1C-Rpl EMRC Flow Probe	2019	7/29/2019	5,954	259	6,213	-			

A.0001550.500.001.063	HAR Unit 2	HAR2C CT Cell 15 Mtr Rwnd	2019	7/31/2019	5,588	501	6,089	-	
A.0001550.500.001.060	HAR Unit 2	HAR2C-Rpl Actuator Ext Block Vlv #5	2019	7/31/2019	9,722	570	10,293	15	
A.0001550.265.001.002	HAR Unit 2	HAR2C-Mill A Major Major OH	2019	8/1/2019	25,763	1,438	27,201	2,643	X
A.0001550.018.001.002	HAR Unit 0	HAR0C-Rpl Paving Phase 4/6	2019	8/27/2019	277,258	98,994	376,252	1,501	
A.0001550.500.001.064	HAR Unit 2	HAR2C- Rewind Turbine Brg Oil Pump	2019	8/28/2019	6,233	962	7,195	-	
A.0001550.259.001.002	HAR Unit 1	HAR1C-SBAC 1A Mjr Rebld	2019	9/1/2019	24,982	248	25,230	649	X
A.0001550.500.001.066	HAR Unit 0	HAR0C Rpl Welding Shp East OH DR	2019	9/27/2019	15,947	1,201	17,147	20	
A.0001550.394.001.002	HAR Unit 3	HAR3C-Overhaul Stack Elevator	2019	9/27/2019	417,995	31,783	449,778	3,322	
A.0001550.373.001.002	HAR Unit 0	HAR0C-Rpl Fire Hydrants & Valves	2019	9/27/2019	447,534	160,057	607,591	3,983	
A.0001550.500.001.062	HAR Unit 1	HAR1C-Rpl ACI Diverter Valve	2019	9/27/2019	6,694	446	7,140	-	
A.0001550.500.001.067	HAR Unit 3	HAR3C Rpl HRH Oil Trip Vlvs	2019	9/30/2019	41,898	5,681	47,580	182	
A.0001550.208.001.002	HAR Unit 3	HAR3C Partial Rebag	2019	10/28/2019	119,132	21,112	140,244	561	X
A.0001550.080.001.002	HAR Unit 0	HAR0C-RR Drainage Imprt Ph2	2019	11/22/2019	96,610	5,926	102,536	1,438	
A.0001550.500.001.056	HAR Unit 3	HAR3C-S Circ Pmp Mtr Var Xfmr	2019	11/27/2019	3,681	248	3,929	-	
A.0001550.500.001.055	HAR Unit 2	HAR2C-C Circ Pmp Mtr Var Xfmr	2019	11/27/2019	3,694	365	4,059	-	
A.0001550.500.001.068	HAR Unit 2	HAR2C CT 14 Fan Motor Rewind	2019	12/19/2019	4,244	999	5,244	-	
A.0001550.500.001.059	HAR Unit 2	HAR2C-Rebuild 2C SBAC Blower	2019	12/19/2019	122,375	4,253	126,628	1,518	X
A.0001550.500.001.074	HAR Unit 0	HAR0C Rpl Pond 17 Lvl Xmtr	2019	12/20/2019	6,743	497	7,240	32	
A.0001550.500.001.071	HAR Unit 2	HAR2C Rpl Deluge Vlvs Cntrl Pnl	2019	12/20/2019	8,646	1,497	10,142	17	
A.0001550.500.001.073	HAR Unit 1	HAR1C Rpl Deluge Vlvs Cntrl Pnl	2019	12/20/2019	8,646	1,497	10,142	17	
A.0001550.500.001.072	HAR Unit 3	HAR3C Rpl Deluge Vlvs Cntrl Pnl	2019	12/20/2019	8,716	1,497	10,212	17	
A.0001550.500.001.069	HAR Unit 3	HAR3C W BCP Motor Rewind	2019	12/20/2019	78,605	495	79,101	850	
A.0001550.464.001.002	HAR Unit 1	HAR1C-Inst Online Vib Mntr Sys	2020	1/27/2020	49,785	0	49,785	1,678	
A.0001550.500.001.070	HAR Unit 2	HAR2C Rpl O2 Probes E2 and E7	2020	2/28/2020	24,656	479	25,135	464	
A.0001550.242.001.002	HAR Unit 0	HAR0C-Purchase Hydrogen Generator	2020	3/18/2020	4	(4)	-	-	
A.0001550.469.001.002	HAR Unit 2	HAR2C-Inst Online Vib Mntr Sys	2020	3/23/2020	55,326	-	55,326	1,512	
A.0001550.500.001.076	HAR Unit 2	HAR2C Rpl E6 O2 Probe	2020	3/23/2020	12,879	498	13,377	275	
A.0001550.500.001.078	HAR Unit 3	HAR3C Rpl Mercury Analyzer	2020	3/23/2020	74,861	2,477	77,339	346	X
A.0001550.500.001.095	HAR Unit 2	HAR2C Rpl TDBFP Discharge Pipe	2020	4/14/2020	44,766	5,671	50,436	214	
A.0001550.500.001.081	HAR Unit 1	HAR1C MBFP Oil Pmp Mtr Rwnd	2020	4/15/2020	4,573	455	5,027	-	
A.0001550.500.001.075	HAR Unit 1	HAR1C Rpl E6 O2 Probe	2020	4/15/2020	11,340	490	11,831	309	
A.0001550.500.001.083	HAR Unit 2	HAR2C Rpl Ext Blk Vlv Actuator	2020	4/15/2020	21,293	487	21,780	109	
A.0001550.388.001.002	HAR Unit 2	HAR2C-Rpl Gen Hydrogen Purity Monit	2020	5/8/2020	121,032	516	121,548	2,163	
A.0001550.235.001.002	HAR Unit 2	HAR2C-H2 Rebag Partial 2020	2020	5/29/2020	252,383	35,428	287,811	1,486	X
A.0001550.392.001.002	HAR Unit 2	HAR2C-H2 Rpl Burners	2020	5/29/2020	522,600	63,994	586,594	6,212	
A.0001550.471.001.002	HAR Unit 2	HAR2C-Rpl CT MCCs on F-Bus	2020	5/29/2020	268,779	6,941	275,720	3,300	
A.0001550.406.001.002	HAR Unit 2	HAR2C-Rpl Steam Cooled Spacer Tubes	2020	5/29/2020	639,384	39,440	678,823	5,691	
A.0001550.500.001.065	HAR Unit 2	HAR2C Instl Sootblwr Blck Vlvs	2020	5/29/2020	81,229	-	81,229	899	X
A.0001550.472.001.002	HAR Unit 2	HAR2C-Rpl EHC Pump Sys.	2020	5/29/2020	323,134	9,444	332,577	3,320	
A.0001550.421.001.001	HAR Unit 2	HAR2C Gen Stator Rewind	2020	5/29/2020	2,924,253	679,456	3,603,709	38,530	
A.0001550.395.001.002	HAR Unit 2	HAR2C-East Vac Pump Overhaul	2020	5/29/2020	50,359	6,498	56,857	302	X
A.0001550.187.001.002	HAR Unit 2	HAR2C-H2 Rpl #5 LP FWH	2020	5/29/2020	555,930	152,256	708,186	9,301	
A.0001550.186.001.002	HAR Unit 2	HAR2C-H2 Rpl #6 LP FWH	2020	5/29/2020	555,479	153,042	708,521	9,368	
A.0001550.407.001.002	HAR Unit 2	HAR2C-Inst Maint Switch on MV Bkrs	2020	5/29/2020	193,333	(2,004)	191,329	1,168	
A.0001550.270.001.002	HAR Unit 2	HAR2C-Rpl Drag Chain 2020	2020	5/29/2020	65,287	4,669	69,956	287	X
A.0001550.500.001.100	HAR Unit 2	HAR2C ID Fan Damper Actuator	2020	5/29/2020	48,055	146	48,201	62	
A.0001550.470.001.002	HAR Unit 2	HAR2C-Rpl CT Riser Inlet Vlvs	2020	6/30/2020	297,247	58,654	355,901	10,824	
A.0001550.500.001.077	HAR Unit 2	HAR2C Rpl ID Fan Disch Dampers	2020	6/30/2020	216,804	111,592	328,396	3,770	
A.0001550.500.001.092	HAR Unit 2	HAR2C Rpl C Circ Suction Gear	2020	7/1/2020	13,806	5,340	19,146	239	
A.0001550.500.001.105	HAR Unit 2	HAR2C-Rpl FWH2 shell Side PRV	2020	7/1/2020	10,801	1,702	12,503	116	
A.0001550.500.001.103	HAR Unit 2	HAR2C-Rpl FWH8 Shell Side PRV	2020	7/1/2020	17,152	1,890	19,041	192	
A.0001550.500.001.102	HAR Unit 2	HAR2C-Rpl Steam Driven BFP	2020	7/1/2020	9,978	1,195	11,173	108	

A.0001550.500.001.101	HAR Unit 2	HAR2C-Rpl HP Htr Drains	2020	7/1/2020	15,249	4,888	20,137	146		
A.0001550.257.001.002	HAR Unit 1	HAR1C-Rpl SBAC 1A Vib Monitoring	2020	7/1/2020	28,900	882	29,782	1,370	X	
A.0001550.500.001.104	HAR Unit 2	HAR2C-Rpl FWH7 Shell Side PRV	2020	7/1/2020	14,040	1,076	15,116	184		
A.0001550.500.001.099	HAR Unit 2	HAR2C Rpl 2A Mill Duct Exp Jnt	2020	7/1/2020	21,861	2,858	24,719	310	X	
A.0001550.405.001.002	HAR Unit 2	HAR2C-Install XFMR DGA	2020	7/1/2020	88,052	-	88,052	2,193		
A.0001550.346.001.002	HAR Unit 2	HAR2C-H2 Rpl Foxboro FBMs	2020	7/24/2020	1,813,107	78,051	1,891,158	47,582		
A.0001550.500.001.084	HAR Unit 2	HAR2C Rpl Mercury Analyzer	2020	7/24/2020	76,397	2,115	78,513	813	X	
A.0001550.500.001.111	HAR Unit 1	HAR1C Rpl Big Blowdown Vlvs	2020	7/24/2020	14,898	817	15,715	123		
A.0001550.500.001.079	HAR Unit 2	HAR2C Rpl GSU 230kV Bushings	2020	7/27/2020	217,901	8,230	226,130	4,249		
A.0001550.500.001.089	HAR Unit 3	HAR3C Install Cation Conductivity D	2020	8/18/2020	19,427	(5)	19,421	447		
A.0001550.500.001.088	HAR Unit 1	HAR1C Install Cation Conductivity D	2020	8/18/2020	22,774	(5)	22,769	448		
A.0001550.500.001.090	HAR Unit 2	HAR2C Install Cation Conductivity D	2020	8/18/2020	19,829	(5)	19,824	447		
A.0001550.500.001.080	HAR Unit 1	HAR1C Inst Diss O2 Analyzer	2020	8/18/2020	15,164	518	15,682	324		
A.0001550.500.001.112	HAR Unit 1	HAR1C Rpl Acid Tank Lvl Xmtr	2020	8/18/2020	9,684	543	10,227	-		
A.0001550.500.001.109	HAR Unit 1	HAR1C Rpl Small Blowdown Throttle V	2020	8/20/2020	4,573	541	5,114	-		
A.0001550.500.001.082	HAR Unit 0	HAR0C-Rpl No3 Inj Well DV Actr	2020	8/24/2020	15,422	490	15,912	308		
A.0001550.500.001.107	HAR Unit 3	HAR3C Rpl No33 Econ Hopper Vlv	2020	8/26/2020	8,446	310	8,756	81		
A.0001550.500.001.106	HAR Unit 2	HAR2C Blowdown Block and Throttle V	2020	8/26/2020	7,726	504	8,230	81		
A.0001550.500.001.113	HAR Unit 0	HAR0C BD Recovery Backfill Mod	2020	9/4/2020	15,386	-	15,386	141		
A.0001550.500.001.097	HAR Unit 2	HAR2C Rpl W Reheat Drain Vlv Actuat	2020	9/21/2020	14,441	2,432	16,873	-		
A.0001550.500.001.093	HAR Unit 1	HAR1C 3A Htr Drains Control Vlv	2020	9/21/2020	9,759	3,512	13,271	107		
A.0001550.345.001.002	HAR Unit 3	HAR3C-Mill B Major Overhaul	2020	9/24/2020	515,647	43,081	558,728	28,478	X	
A.0001550.500.001.086	HAR Unit 2	HAR2C Inst MBFP Wtr in Oil	2020	9/24/2020	23,266	1,011	24,277	462		
A.0001550.500.001.091	HAR Unit 2	HAR2C Inst Diss O2 Analyzer	2020	9/24/2020	23,557	2,636	26,193	336		
A.0001550.500.001.093	HAR Unit 2	HAR2C Rpl HP Heater Drain to DA	2020	9/24/2020	67,788	15,141	82,929	1,806		
A.0001550.500.001.114	HAR Unit 3	HAR3C-Rbd E Flyash Vac Pump	2020	9/28/2020	59,764	7,170	66,934	332	X	
A.0001550.500.001.096	HAR Unit 2	HAR2C Rpl FWH 3 Steam Separator	2020	9/28/2020	14,669	2,157	16,826	172		
A.0001550.500.001.134	HAR Unit 1	HAR1 CT Fan Motor Cell 1 Rewind	2020	10/13/2020	6,810	570	7,379	-		
A.0001550.500.001.130	HAR Unit 1	H1 Rpl TBFP Recirc PRV.	2020	10/13/2020	3,060	85	3,145	12		
A.0001550.500.001.123	HAR Unit 2	H2 Rpl #1 FWH Non-Rtn Vlv	2020	10/19/2020	13,386	(8)	13,378	51		
A.0001550.500.001.121	HAR Unit 2	H2 Rpl FSH Outlt Drn Vlvs	2020	10/19/2020	10,515	(11)	10,503	-		
A.0001550.500.001.122	HAR Unit 2	H2 Rpl West SD Dry Vent Vlvs	2020	10/19/2020	11,538	(12)	11,525	26		
A.0001550.500.001.120	HAR Unit 3	HAR3 Rpl DA Start Up Vent Vlv	2020	10/26/2020	16,115	2,849	18,964	24		
A.0001550.500.001.119	HAR Unit 3	HAR3 Prl N Back Pass Drain Vlv	2020	10/26/2020	22,244	3,949	26,193	98		
A.0001550.500.001.139	HAR Unit 3	H3 Rpl Cont BD Thrtle Vlv	2020	10/26/2020	7,579	2,081	9,660	-		
A.0001550.500.001.138	HAR Unit 3	H3 Rpl Big BD Thrtle Vlv	2020	10/26/2020	13,237	2,032	15,269	17		
A.0001550.500.001.133	HAR Unit 2	HAR2 RPL E CTMU Pmp Rott Assembly	2020	10/26/2020	26,243	1,946	28,188	28		
A.0001550.500.001.140	HAR Unit 1	HAR1 Rpl CT Screens Hoist	2020	11/17/2020	7,619	-	7,619	-		
A.0001550.500.001.141	HAR Unit 3	HAR3 Rpl Trough pmp Chk Vlv	2020	11/17/2020	8,109	(18)	8,091	-		
A.0001550.500.001.131	HAR Unit 3	HAR3 Rpl Cable Tray on Stack	2020	11/30/2020	129,794	9,651	139,445	611		
A.0001550.500.001.116	HAR Unit 3	HAR3C-Rpl C Mill Exhauster Fan	2020	12/1/2020	71,440	14,239	85,679	1,370	X	
A.0001550.500.001.137	HAR Unit 1	H1 Rpl AB Comp RM S Air Dryer	2020	12/15/2020	52,325	7,989	60,314	145		
A.0001550.241.001.002	HAR Unit 3	HAR3C-H3 Rebag Partial 2020	2020	12/15/2020	145,792	44,568	190,359	1,482	X	
A.0001550.500.001.094	HAR Unit 0	HAR0C Inst Pivot Remote Comm	2020	12/16/2020	92,069	3,781	95,849	2,572		
A.0001550.500.001.117	HAR Unit 1	HAR1C - SUBFP Mtr Rwnd	2020	12/16/2020	269,301	7,349	276,650	4,394		
A.0001550.500.001.087	HAR Unit 3	HAR3C Inst Diss O2 Analyzer	2020	12/21/2020	35,214	457	35,671	845		
A.0001550.500.001.118	HAR Unit 0	HAR0 Firewall Upgrade 2020	2020	12/21/2020	27,320	-	27,320	214		
A.0001550.500.001.144	HAR Unit 3	HAR3 A Coal Mill Motor Rewind	2020	12/22/2020	66,381	12,248	78,628	345	X	
A.0001550.500.001.129	HAR Unit 1	H1 Cooling Tower Storm Repairs	2020	12/22/2020	277,882	43,490	321,371	2,448		
A.0001550.500.001.148	HAR Unit 2	HAR2 Rpl Ash Silo Equal Vlv	2020	12/22/2020	10,130	(97)	10,033	29	X	

			Total Expenditure consist of:	
Year	**Unit**	**Total Expenditures**	**Capital Addition Value**	**Removal Value**
2000	Cunningham 1	$ 8,613	$ 8,613	$ -
	Cunningham 2	$ 195,349	$ 195,349	$ -
	Jones 1	$ 94,576	$ 89,656	$ 4,920
	Jones 2	$ 321,330	$ 318,261	$ 3,069
	Maddox 1	$ 30,350	$ 29,666	$ 684
	Nichols 1	$ 61,118	$ 56,099	$ 5,020
	Plant X1	$ 82,263	$ 82,263	$ -
	Plant X2	$ 168,883	$ 168,835	$ 48
	Plant X3	$ 363,340	$ 324,215	$ 39,125
	Plant X4	$ 85,052	$ 84,538	$ 515
2000 Total		**$ 1,410,875**	**$ 1,357,495**	**$ 53,380**
2001	Cunningham 1	$ 91,236	$ 87,231	$ 4,005
	Cunningham 2	$ 7,096	$ 6,032	$ 1,064
	Jones 1	$ 80,690	$ 80,690	$ -
	Jones 2	$ 56,790	$ 45,787	$ 11,003
	Maddox 1	$ 187,260	$ 178,171	$ 9,088
	Nichols 1	$ 846,461	$ 846,461	$ -
	Nichols 2	$ 86,041	$ 72,713	$ 13,328
	Nichols 3	$ 237,647	$ 237,647	$ -
	Plant X1	$ 15,851	$ 13,949	$ 1,902
	Plant X2	$ 33,691	$ 33,116	$ 575
	Plant X3	$ 30,813	$ 29,881	$ 931
2001 Total		**$ 1,673,576**	**$ 1,631,679**	**$ 41,897**
2002	Cunningham 1	$ 20	$ 20	$ -
	Cunningham 2	$ 717,403	$ 627,389	$ 90,014
	Jones 1	$ 500,239	$ 490,422	$ 9,818
	Jones 2	$ 664,701	$ 624,545	$ 40,156
	Maddox 1	$ 335,278	$ 303,586	$ 31,692
	Nichols 1	$ 39,616	$ 37,082	$ 2,534
	Nichols 2	$ 81,114	$ 76,095	$ 5,020
	Nichols 3	$ 750,882	$ 748,831	$ 2,051
	Plant X1	$ 57,168	$ 54,156	$ 3,012
	Plant X2	$ 82,121	$ 80,615	$ 1,506
	Plant X3	$ 73,387	$ 71,881	$ 1,506
	Plant X4	$ 276,866	$ 157,267	$ 119,599
2002 Total		**$ 3,578,794**	**$ 3,271,887**	**$ 306,906**

			Total Expenditure consist of:	
Year	**Unit**	**Total Expenditures**	**Capital Addition Value**	**Removal Value**
2003	Cunningham 1	$ 70,737	$ 69,849	$ 889
	Cunningham 2	$ 555,365	$ 435,882	$ 119,483
	Jones 1	$ 488,715	$ 466,335	$ 22,380
	Maddox 1	$ 66,090	$ 55,392	$ 10,698
	Nichols 1	$ 10,641	$ 10,641	$ -
	Nichols 2	$ 168,173	$ 167,170	$ 1,004
	Nichols 3	$ 1,462,875	$ 1,295,479	$ 167,396
	Plant X2	$ -	$ -	$ -
	Plant X4	$ 1,615	$ 1,615	$ -
2003 Total		**$ 2,824,213**	**$ 2,502,362**	**$ 321,850**
2004	Cunningham 1	$ 294,956	$ 291,608	$ 3,349
	Maddox 1	$ 193,516	$ 184,476	$ 9,040
	Nichols 1	$ 371,404	$ 283,395	$ 88,009
	Plant X3	$ 125,604	$ 123,619	$ 1,985
	Plant X4	$ 72,260	$ 65,232	$ 7,027
2004 Total		**$ 1,057,741**	**$ 948,330**	**$ 109,411**
2005	Cunningham 1	$ 36,633	$ 36,279	$ 354
	Cunningham 2	$ 1,521,839	$ 1,235,889	$ 285,949
	Jones 1	$ 1,357,843	$ 1,177,033	$ 180,810
	Jones 2	$ 2,609,971	$ 2,203,142	$ 406,829
	Maddox 1	$ 1,993,671	$ 1,862,119	$ 131,552
	Nichols 1	$ 3,882,636	$ 3,874,532	$ 8,104
	Nichols 2	$ 5,937,176	$ 5,810,872	$ 126,304
	Nichols 3	$ 965,285	$ 888,273	$ 77,012
	Plant X1	$ 247,827	$ 215,040	$ 32,787
	Plant X2	$ 1,009,868	$ 837,342	$ 172,526
	Plant X3	$ 553,575	$ 501,540	$ 52,035
	Plant X4	$ 7,397,284	$ 6,477,556	$ 919,728
2005 Total		**$ 27,513,608**	**$ 25,119,617**	**$ 2,393,991**
2006	Cunningham 1	$ 257,117	$ 249,136	$ 7,981
	Cunningham 2	$ 525,915	$ 455,344	$ 70,571
	Jones 1	$ 171,161	$ 148,958	$ 22,203
	Maddox 1	$ 655,640	$ 542,268	$ 113,372
	Nichols 1	$ 171,040	$ 155,579	$ 15,461
	Nichols 2	$ 0	$ -	$ 0
	Nichols 3	$ 83,300	$ 82,897	$ 403
	Plant X4	$ 169,694	$ 166,619	$ 3,075
2006 Total		**$ 2,033,866**	**$ 1,800,801**	**$ 233,066**

			Total Expenditure consist of:	
Year	**Unit**	**Total Expenditures**	**Capital Addition Value**	**Removal Value**
2007	Cunningham 1	$ 498,270	$ 464,866	$ 33,404
	Cunningham 2	$ 1,618,123	$ 1,609,484	$ 8,639
	Jones 1	$ 769,982	$ 738,047	$ 31,935
	Jones 2	$ 131,723	$ 130,050	$ 1,673
	Maddox 1	$ 1,245,487	$ 1,211,121	$ 34,366
	Nichols 1	$ 1,522,534	$ 1,458,318	$ 64,217
	Nichols 2	$ 660,364	$ 614,067	$ 46,297
	Nichols 3	$ 84,147	$ 82,612	$ 1,535
	Plant X1	$ 55,359	$ 52,544	$ 2,815
	Plant X2	$ 180,240	$ 168,444	$ 11,796
	Plant X3	$ 81,494	$ 79,596	$ 1,898
	Plant X4	$ 3,131,569	$ 3,095,302	$ 36,266
2007 Total		**$ 9,979,292**	**$ 9,704,453**	**$ 274,840**
2008	Cunningham 1	$ 430,522	$ 400,740	$ 29,782
	Cunningham 2	$ 5,428,474	$ 4,856,244	$ 572,230
	Jones 1	$ 120,413	$ 118,496	$ 1,918
	Jones 2	$ 839,396	$ 799,454	$ 39,942
	Maddox 1	$ 5,178,009	$ 5,063,669	$ 114,340
	Nichols 1	$ 814,143	$ 710,403	$ 103,740
	Nichols 2	$ 578,408	$ 514,049	$ 64,359
	Nichols 3	$ 123,313	$ 121,582	$ 1,731
	Plant X1	$ 400,277	$ 389,698	$ 10,579
	Plant X2	$ 64,866	$ 62,231	$ 2,636
	Plant X3	$ 2,334,288	$ 2,102,137	$ 232,151
	Plant X4	$ 252,384	$ 242,929	$ 9,454
2008 Total		**$ 16,564,493**	**$ 15,381,632**	**$ 1,182,861**
2009	Cunningham 2	$ 39,524	$ 33,653	$ 5,871
	Jones 1	$ 414,614	$ 400,334	$ 14,280
	Jones 2	$ 121,541	$ 116,679	$ 4,862
	Maddox 1	$ 2,752,117	$ 2,293,153	$ 458,964
	Nichols 1	$ 283,303	$ 163,605	$ 119,698
	Nichols 2	$ 627,756	$ 593,355	$ 34,400
	Nichols 3	$ 5,373,642	$ 5,020,148	$ 353,494
	Plant X2	$ 243,248	$ 218,554	$ 24,694
	Plant X3	$ 1,414,657	$ 1,143,269	$ 271,388
	Plant X4	$ 242,797	$ 201,803	$ 40,994
2009 Total		**$ 11,513,197**	**$ 10,184,553**	**$ 1,328,644**

			Total Expenditure consist of:	
Year	**Unit**	**Total Expenditures**	**Capital Addition Value**	**Removal Value**
2010	Cunningham 1	$ 5,406,192	$ 5,271,792	$ 134,400
	Cunningham 2	$ 6,284,920	$ 5,436,859	$ 848,062
	Jones 1	$ 1,332,828	$ 1,283,168	$ 49,661
	Jones 2	$ 85,525	$ 81,768	$ 3,756
	Maddox 1	$ 3,723,355	$ 3,713,963	$ 9,392
	Nichols 1	$ 1,511,791	$ 1,275,395	$ 236,396
	Nichols 2	$ 405,358	$ 377,754	$ 27,605
	Nichols 3	$ 1,425,803	$ 1,261,789	$ 164,014
	Plant X1	$ 247,763	$ 201,609	$ 46,154
	Plant X2	$ 348,082	$ 315,476	$ 32,606
	Plant X3	$ 25,299	$ 25,299	$ -
	Plant X4	$ 2,950,139	$ 2,634,200	$ 315,939
2010 Total		**$ 23,747,055**	**$ 21,879,070**	**$ 1,867,985**
2011	Cunningham 1	$ 215,495	$ 207,626	$ 7,869
	Cunningham 2	$ 232,448	$ 225,115	$ 7,332
	Jones 2	$ 85,421	$ 85,421	$ -
	Maddox 1	$ 115,856	$ 113,121	$ 2,735
	Nichols 1	$ 145,239	$ 134,133	$ 11,106
	Nichols 3	$ 35,355	$ 35,355	$ -
	Plant X1	$ 170,066	$ 139,883	$ 30,183
2011 Total		**$ 999,880**	**$ 940,654**	**$ 59,226**
2012	Cunningham 1	$ 260,928	$ 250,212	$ 10,716
	Cunningham 2	$ 2,412,527	$ 2,099,508	$ 313,019
	Jones 1	$ 423,918	$ 401,645	$ 22,273
	Jones 2	$ 3,102,338	$ 2,880,312	$ 222,026
	Maddox 1	$ 67,456	$ 65,420	$ 2,037
	Nichols 1	$ 32,481	$ 30,973	$ 1,508
	Nichols 2	$ 143,194	$ 134,561	$ 8,633
	Nichols 3	$ 111,062	$ 104,660	$ 6,402
	Plant X1	$ 173,180	$ 173,180	$ -
	Plant X2	$ 3,246,415	$ 2,444,216	$ 802,199
	Plant X3	$ 80,527	$ 80,527	$ -
2012 Total		**$ 10,054,026**	**$ 8,665,213**	**$ 1,388,813**

			Total Expenditure consist of:	
Year	**Unit**	**Total Expenditures**	**Capital Addition Value**	**Removal Value**
2013	Cunningham 1	$ 142,442	$ 138,147	$ 4,295
	Cunningham 2	$ 903,847	$ 850,876	$ 52,972
	Jones 1	$ 4,221,937	$ 4,135,106	$ 86,831
	Jones 2	$ 2,510,426	$ 2,325,886	$ 184,540
	Maddox 1	$ 5,591,842	$ 5,196,080	$ 395,762
	Nichols 1	$ 1,516,321	$ 1,298,437	$ 217,884
	Nichols 2	$ 2,156,201	$ 1,717,072	$ 439,129
	Nichols 3	$ 1,895,453	$ 1,814,328	$ 81,125
	Plant X2	$ 139,107	$ 139,107	$ -
	Plant X3	$ 785,790	$ 629,282	$ 156,508
	Plant X4	$ 1,092,162	$ 959,422	$ 132,740
2013 Total		**$ 20,955,529**	**$ 19,203,743**	**$ 1,751,786**
2014	Cunningham 1	$ 361,054	$ 321,078	$ 39,975
	Cunningham 2	$ 66,576	$ 65,359	$ 1,217
	Jones 1	$ 4,904,270	$ 4,377,921	$ 526,349
	Jones 2	$ 219,014	$ 217,667	$ 1,347
	Maddox 1	$ 1,844,544	$ 1,551,009	$ 293,535
	Nichols 1	$ 157,985	$ 145,093	$ 12,892
	Nichols 2	$ 19,976	$ 18,596	$ 1,380
	Nichols 3	$ 1,035,767	$ 1,008,795	$ 26,972
	Plant X1	$ 80,351	$ 69,926	$ 10,426
	Plant X2	$ 25,435	$ 21,164	$ 4,272
	Plant X4	$ 102,102	$ 94,279	$ 7,823
2014 Total		**$ 8,817,074**	**$ 7,890,886**	**$ 926,188**
2015	Cunningham 1	$ 63,133	$ 61,572	$ 1,561
	Cunningham 2	$ 1,584,947	$ 1,353,591	$ 231,356
	Jones 1	$ 772,624	$ 721,617	$ 51,007
	Jones 2	$ 3,619,952	$ 3,393,526	$ 226,426
	Maddox 1	$ 1,071,269	$ 956,563	$ 114,706
	Nichols 1	$ 58,893	$ 53,966	$ 4,927
	Nichols 2	$ 2,130,101	$ 2,003,012	$ 127,089
	Nichols 3	$ 1,318,696	$ 1,130,447	$ 188,250
	Plant X1	$ 476,449	$ 399,414	$ 77,035
	Plant X2	$ 41,745	$ 41,349	$ 396
	Plant X3	$ 30,475	$ 30,277	$ 198
	Plant X4	$ 879,295	$ 798,224	$ 81,071
2015 Total		**$ 12,047,580**	**$ 10,943,558**	**$ 1,104,023**

			Total Expenditure consist of:	
Year	**Unit**	**Total Expenditures**	**Capital Addition Value**	**Removal Value**
2016	Cunningham 1	$ 42,212	$ 30,465	$ 11,747
	Cunningham 2	$ 52,847	$ 51,861	$ 986
	Jones 1	$ 884,383	$ 817,039	$ 67,344
	Jones 2	$ 449,774	$ 428,529	$ 21,245
	Maddox 1	$ 234,281	$ 217,238	$ 17,043
	Nichols 1	$ 86,505	$ 79,487	$ 7,018
	Nichols 2	$ 604,842	$ 591,917	$ 12,925
	Nichols 3	$ 1,691,691	$ 1,308,013	$ 383,679
	Plant X1	$ 118,771	$ 113,770	$ 5,001
	Plant X2	$ 232,271	$ 223,302	$ 8,969
	Plant X3	$ 104,921	$ 91,195	$ 13,726
	Plant X4	$ 295,698	$ 278,916	$ 16,782
2016 Total		**$ 4,798,197**	**$ 4,231,732**	**$ 566,465**
2017	Cunningham 1	$ 182,082	$ 172,398	$ 9,684
	Jones 1	$ 6,497,114	$ 5,769,782	$ 727,331
	Jones 2	$ 5,467,508	$ 4,854,324	$ 613,184
	Maddox 1	$ 2,070,967	$ 1,808,655	$ 262,313
	Nichols 1	$ 93,604	$ 90,912	$ 2,692
	Nichols 2	$ 540,462	$ 502,427	$ 38,035
	Nichols 3	$ 184,330	$ 178,757	$ 5,573
	Plant X2	$ 30,990	$ 29,689	$ 1,301
	Plant X4	$ 387,607	$ 369,830	$ 17,777
2017 Total		**$ 15,454,664**	**$ 13,776,775**	**$ 1,677,888**
2018	Cunningham 1	$ 13,934	$ 13,664	$ 270
	Cunningham 2	$ 1,013,342	$ 958,986	$ 54,356
	Jones 1	$ 6,878,594	$ 5,721,208	$ 1,157,387
	Jones 2	$ 315,492	$ 291,566	$ 23,926
	Maddox 1	$ 579,989	$ 457,625	$ 122,364
	Nichols 1	$ 270,442	$ 245,960	$ 24,482
	Nichols 2	$ 590,035	$ 533,958	$ 56,077
	Nichols 3	$ 172,869	$ 160,007	$ 12,861
	Plant X1	$ 26,240	$ 22,547	$ 3,693
	Plant X2	$ 130,077	$ 120,457	$ 9,620
	Plant X3	$ 47,958	$ 46,295	$ 1,662
	Plant X4	$ 1,359,397	$ 1,217,103	$ 142,294
2018 Total		**$ 11,398,369**	**$ 9,789,378**	**$ 1,608,991**

			Total Expenditure consist of:	
Year	**Unit**	**Total Expenditures**	**Capital Addition Value**	**Removal Value**
2019	Cunningham 2	$ 1,574,271	$ 1,203,213	$ 371,058
	Jones 1	$ 1,220,781	$ 1,109,716	$ 111,066
	Jones 2	$ 7,156,855	$ 6,358,753	$ 798,102
	Maddox 1	$ 89,552	$ 83,779	$ 5,772
	Nichols 1	$ 493,220	$ 444,679	$ 48,541
	Nichols 2	$ 822,820	$ 713,310	$ 109,510
	Nichols 3	$ 6,141,535	$ 5,517,706	$ 623,829
	Plant X1	$ -	$ (47)	$ 47
	Plant X2	$ 11,096	$ 8,442	$ 2,654
	Plant X4	$ 4,333,909	$ 3,020,707	$ 1,313,202
2019 Total		**$ 21,844,038**	**$ 18,460,258**	**$ 3,383,780**
2020	Cunningham 1	$ 2,385	$ -	$ 2,385
	Cunningham 2	$ 6,231,402	$ 5,341,073	$ 890,329
	Jones 1	$ 645,954	$ 554,301	$ 91,653
	Jones 2	$ 894,665	$ 840,253	$ 54,412
	Maddox 1	$ 6,107,782	$ 5,415,834	$ 691,947
	Nichols 1	$ 922,877	$ 760,196	$ 162,681
	Nichols 2	$ 452,186	$ 388,374	$ 63,812
	Nichols 3	$ 1,592,913	$ 1,384,429	$ 208,484
	Plant X1	$ 540,441	$ 506,443	$ 33,998
	Plant X2	$ 10,451	$ 10,031	$ 420
	Plant X3	$ 134,218	$ 129,994	$ 4,224
	Plant X4	$ 3,987,478	$ 4,081,971	$ (94,493)
2020 Total		**$ 21,522,753**	**$ 19,412,900**	**$ 2,109,853**
Grand Total		**$ 229,788,820**	**$ 207,096,976**	**$ 22,691,844**

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2020 Tolk Analysis: Session 3 of the 1st Technical Conference
10/23/2020
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Today's Meeting Agenda

1. Modeling parameters for Harrington Station
   - A. Background & NAAQS compliance
   - B. Harrington operating on gas
   - C. Economic Analysis

Agenda for Future Technical Conferences

1. Tolk Analysis – Retirement dates and operating scenarios
2. Value of Tolk water rights
3. Modeling Parameters

BACKGROUND & NAAQS COMPLIANCE

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Background

- NM Rate Case Stipulation states "*SPS also commits to running at least one scenario in which all of SPS's coal-burning units are retired or replaced before 2030*"
- Harrington Station:
  - Three coal-fired units: each ~340MW
  - Located North of Amarillo, Texas
  - Units 1 – 3 are scheduled to retire 2036, 2038 & 2040, respectively
- SPS intend to run <u>every</u> scenario in the Tolk Analysis in which all three Harrington units are converted to operate on natural gas by <u>2025</u>

NAAQS

- The Clean Air Act requires the EPA to set National Ambient Air Quality Standards (including SO2)
- The TCEQ classified the area as Attainment/Unclassifiable due to a lack of monitoring data in the area
- In December 2016, TCEQ installed an SO2 monitor in the vicinity of Harrington Station to collect ambient air data
- Readings from the monitor exceed the standards
- Harrington emits ~99% of the SO2 emissions in Potter County
- Emphasis will be on SPS to produce implementation plan
- Anticipated compliance date: By 2025
- Agreed Order October 2020

Compliance Solutions

- Installation of environmental controls on three units*
- Early retirement of all three units (EOY 2024)
- Conversion of all three units to natural gas
- Combination of the above

**Installation of environmental controls is cost prohibitive. Based on feedback from previous technical conferences environmental controls will not be presented today*

HARRINGTON OPERATING ON GAS

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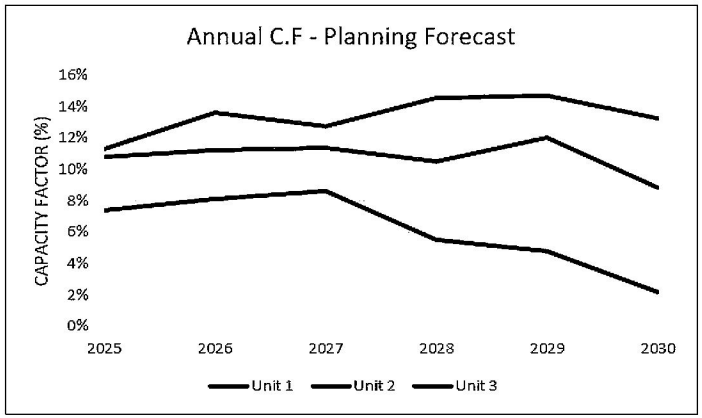
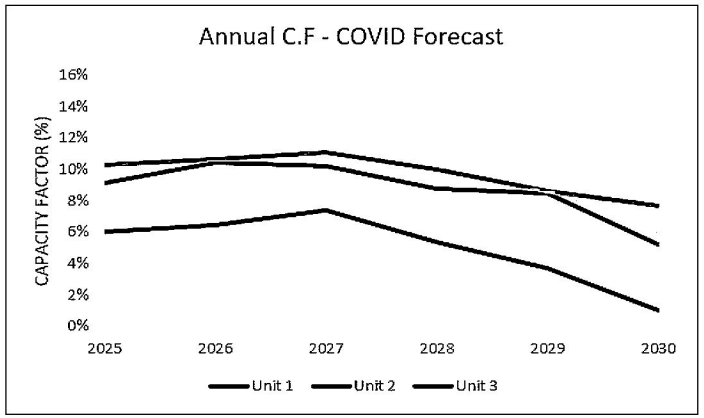
Harrington on Gas

- Fuel change only
- Low cost solution to:
  - Meet NAAQs compliance
  - Continue to provide over 1,000MW of year-round capacity
- System reliability benefits
- After the conversion to gas, the Harrington units act as "peaking" generation
  - Low capacity factors
  - Provide energy during times of high demand or low renewable output

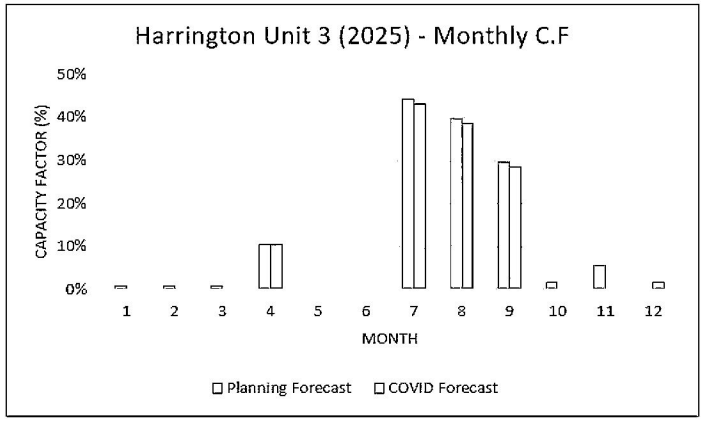
Low Annual Capacity Factors

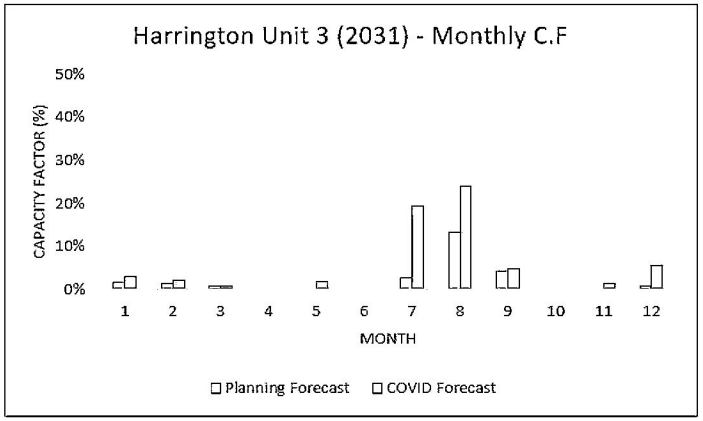




- The Harrington Units will provide “peaking generation” with projected capacity factors <10 - 15% depending on load forecast

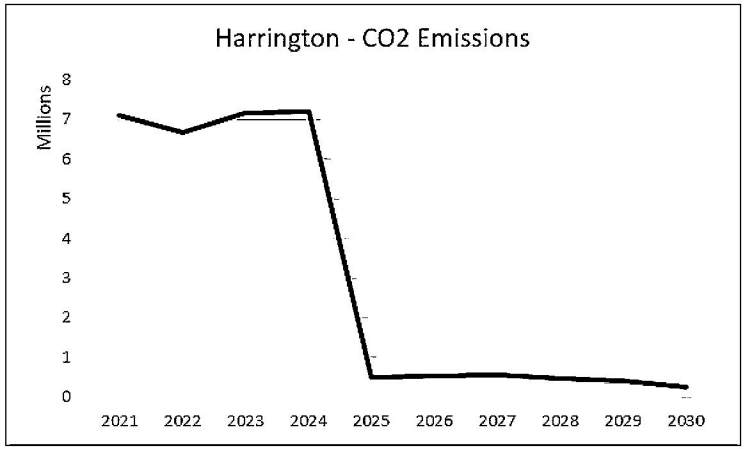
Capacity Factors by Month





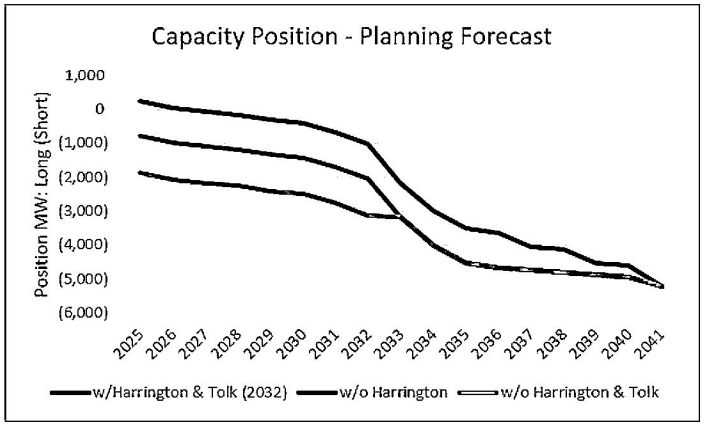
- In the near term, Harrington will provide generation during the peak Summer months
- Harrington will support the integration of new renewables by providing energy during hours of low renewable generation

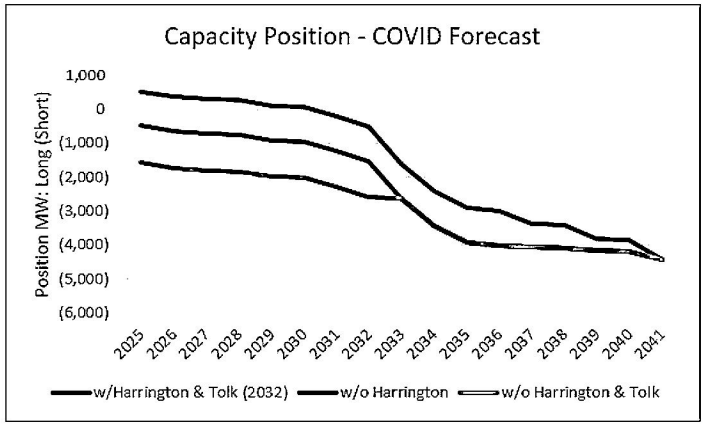
Harrington Annual CO2 Emissions



- Converting Harrington to gas lowers CO2 emissions by ~95% over a 10-year period
- Reduction is the result of lower CO2 intensity and a low capacity factor

Summer Capacity Position





- Including Tolk & Harrington, SPS has sufficient capacity until between 2027 & 2031 depending on load forecast
- Retiring Harrington EOY 2024 will create an immediate capacity need of between ~500MW and 800MW, rising to between ~1,000MW and 1,400MW by 2030
- Retiring both Tolk and Harrington EOY 2024 will create an immediate capacity need of between ~1,600MW and 1,900MW rising to between ~2,000MW and 2,400MW by 2030

Retiring Gas Generation

- SPS's entire fleet of gas steam generation (1,624MW) is scheduled to retire by EOY 2034
- 1,138MW is scheduled to retire by EOY 2030
- Harrington Station provides 1,021MW of capacity
- Tolk Station provides 1,069MW of capacity
- Potentially 3,228MW of thermal generation could be retired by 2030
- SPS owns 4,335MW of thermal generation
- Retiring this amount of thermal generation will require new thermal generation

Economic Analysis

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Economic Analysis

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Planning Forecast		
PVRR Production Cost	Delta ($M)	NPV ($M) 2021-2049
Convert Units to Gas	$0	$16,045
Early Retirement (2024)	$116	$16,161

COVID Forecast		
PVRR Production Cost	Delta ($M)	NPV ($M) 2021-2049
Convert Units to Gas	$0	$13,951
Early Retirement (2024)	$76	$14,027

- Converting the units to gas saves between $76M - $116M (PVRR) when compared to an early retirement
- The Encompass model:
  - Added more new renewable generation by 2031 when converting the units to gas
  - Added an additional combined cycle unit when retiring Harrington EOY2024

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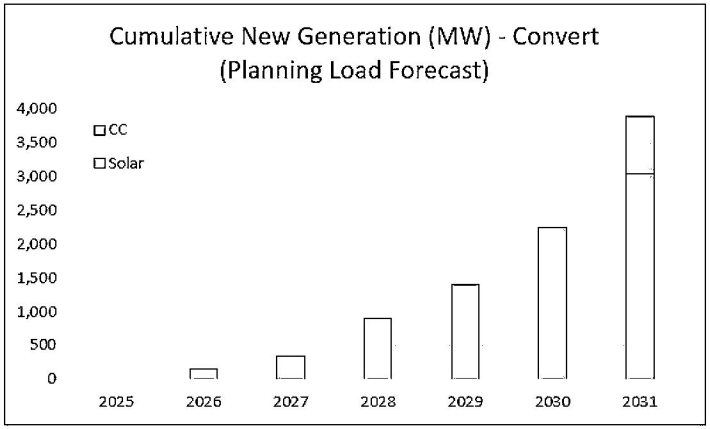
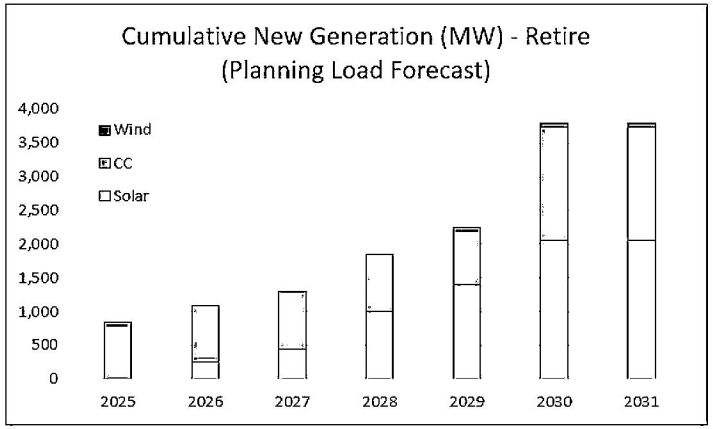
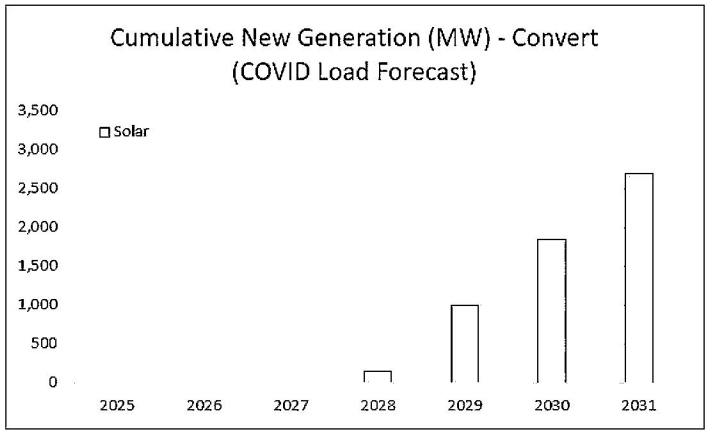
Expansion Plans – Planning Forecast

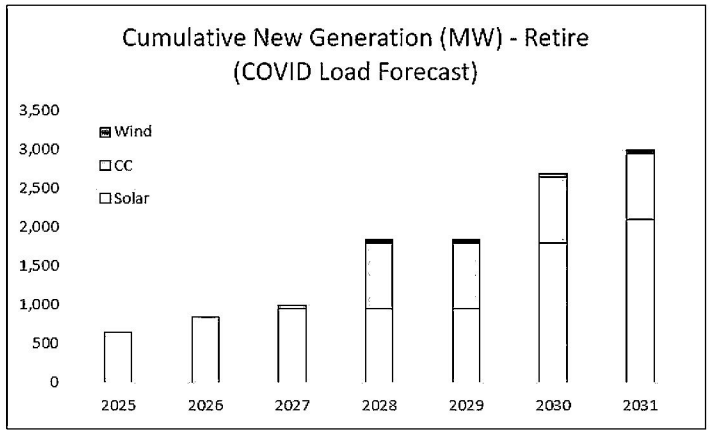




- When converting to gas (left graph), the Encompass model added 3,050MW of new solar and a combined cycle by EOY 2031
- When retiring the Harrington Units (right graph), the Encompass model added 2,050MW of solar, 50MW of wind and two combined cycles by EOY 2031

DRAFT Expansion Plans – COVID Forecast DRAFT





- When converting to gas (left graph), the Encompass model added 2,700MW of solar by EOY 2031
- When retiring the Harrington Units (right graph), the Encompass model added 2,100MW of solar, 50MW of wind and a combined cycle by EOY 2031

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Economic Analysis (w/o CC)

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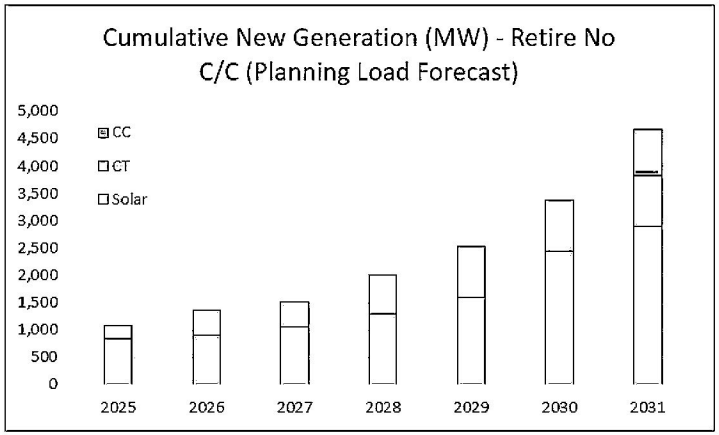
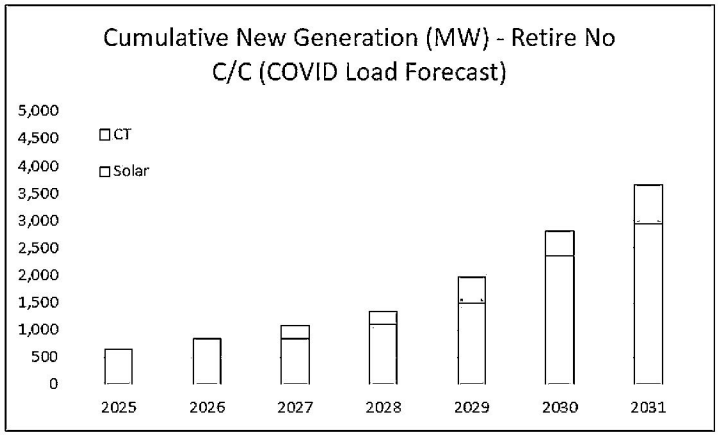
Planning Forecast		
PVRR Production Cost	Delta ($M)	NPV ($M) 2021-2049
Convert Units to Gas	$0	$16,045
Early Retirement (2024)	$116	$16,161
Early Retirement (2024) - No CC	$364	$16,409

COVID Forecast		
PVRR Production Cost	Delta ($M)	NPV ($M) 2021-2049
Convert Units to Gas	$0	$13,951
Early Retirement (2024)	$76	$14,027
Early Retirement (2024) - No CC	$206	$14,157

- The economic analysis was recalculated restricting encompass from adding a combined cycle before EOY 2030
- Converting the units to gas saves between $206M - $364M (PVRR) when compared to an early retirement

DRAFT Expansion Plan w/o CC before 2030 DRAFT





- Depending on the load forecast, when retiring Harrington and restricting the model from adding a CC before EOY 2030, it added between:
- 2,900MW of solar, 4 CTs and 1 combined cycle, and
- 2,950MW of solar and 3 CTs

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Economic Analysis (w/o CC/CT)

DRAFT

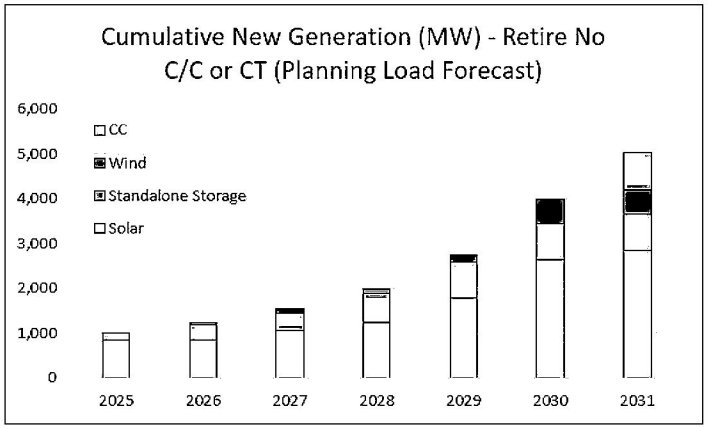
Planning Forecast		
PVRR Production Cost	Delta ($M)	NPV ($M) 2021-2049
Convert Units to Gas	$0	$16,045
Early Retirement (2024)	$116	$16,161
Early Retirement (2024) - No CC	$364	$16,409
Early Retirement (2024) - No CT/CC	$1,345	$17,390

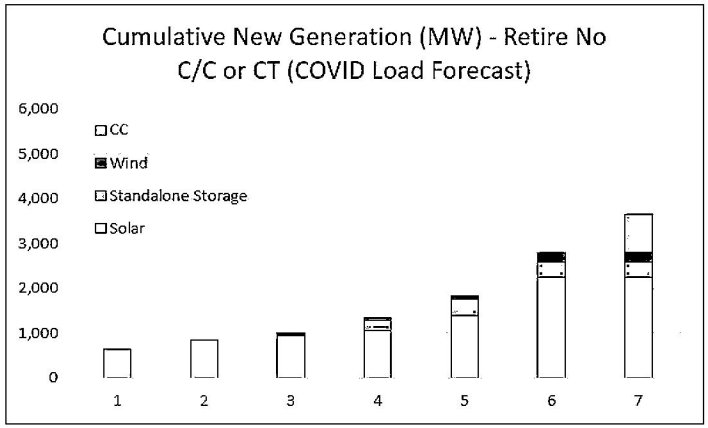
COVID Forecast		
PVRR Production Cost	Delta ($M)	NPV ($M) 2021-2049
Convert Units to Gas	$0	$13,951
Early Retirement (2024)	$76	$14,027
Early Retirement (2024) - No CC	$206	$14,157
Early Retirement (2024) - No CT/CC	$397	$14,348

- The economic analysis was once again re-run restricting encompass from selecting a combined cycle or combustion turbines before EOY 2030
- Converting the units to gas saves between $397M - $1,345M (PVRR) when compared to an early retirement

DRAFT DRAFT

Expansion Plan w/o CC/CT before 2030





- Depending on the load forecast, when retiring Harrington and restricting the model from adding a CC or CTs before EOY 2030, it added between:
- 800MW of storage, 550MW of wind, 2,850MW of solar, and a CC in 2031
- 350MW of storage, 200MW of wind, 2,250MW of solar, and a CC in 2031

Summary

- Converting the Harrington Units to operate on natural gas:
  - Is a low cost and low risk solution for NAAQs compliance
  - Is the lowest cost alternative compared to other compliance strategies
  - Provides year-round capacity and generation, benefitting the integration of additional renewables onto the SPS system
  - Carbon Emissions at Harrington Station are reduced by ~95% over a 10-year period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