

U.S. Virgin Islands Water and Power Authority

Preliminary Draft - Work in Process / Subject to Material Change

Information contained herein has not been independently verified and is subject to material change based on continuing review. Accordingly, the information contained herein is not intended to be and should not be relied upon by any third party or as legal, auditing, or accounting advice.

The attached preliminary cash flow tool and their accompanying analyses, assumptions and underlying data are the product of U.S. Virgin Islands Water and Power Authority ("WAPA") and its management ("Management") and consist of information obtained solely from WAPA. With respect to prospective financial information relative to WAPA, there has not been any examination, compilation or application of agreed upon procedures to such information in accordance with attestation standards established by the AICPA. Consequently, no assurance of any kind is given with respect to, or on, the information presented. It is WAPA's responsibility to make its own decision based on the information available to it. Management has the knowledge, experience and ability to form its own conclusions related to WAPA's cash flow forecast. There will usually be differences between forecasted and actual results because events and circumstances frequently do not occur as expected and those differences may be material. As a result, no responsibility for the achievement of forecasted results is made. Accordingly, reliance on this report is prohibited by any third party as the projected financial information contained herein is subject to material change and may not reflect actual results.

Many of numbers set forth herein are estimates or based on assumptions which are subject to change. Such changes may be material and can materially affect the calculation of other amounts reflected herein.

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Worksheet 1: LEAC Rate

Line #		Current As Approved Apr-Jun 2023	Proposed LEAC Apr-Jun 2024
	<u>Sales</u>		
1	Total Sales Forecast (MWh)	152,231	134,619
	<u>Costs to be Recovered (\$)</u>		
2	Current Fuel Cost Portion of LEAC	\$ 25,314,289	\$ 41,160,287
	Other Charges		
3	PSC Regulatory Costs	42,000	42,000
4	Renewable Energy Costs	343,176	802,032
5	Water System Billings to Electric	441,934	538,147
6	Plant Repair RO Contract	61,394	64,003
7	Total Other Charges	888,503	1,446,182
8	Total Costs to be Recovered (Line 2+7)	\$ 26,202,791	\$ 42,606,468
	<u>LEAC Rate Calculation (¢/kWh)</u>		
9	Current Fuel Cost Portion of LEAC	16.63	30.58
	Other Charges		
10	PSC Regulatory Costs	0.03	0.03
11	Renewable Energy Costs	0.23	0.60
12	Ultra Pure Water Charge	0.29	0.40
13	Plant Repair RO Contract	0.04	0.05
14	Total Other Charges	0.58	1.07
15	PSC Rate Adjustment	5.01	0.00
16	Total LEAC Rate (Line 9+14+15)	22.22	31.65

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Worksheet 2: Comparison of Rate Change

Line #		Current As Approved Apr-Jun 2023	Proposed LEAC Apr-Jun 2024	Cross Reference WS #	Line #
<u>LEAC Rate Summary (¢/kWh)</u>					
LEAC Rate					
1	Current Fuel Costs	16.63	30.58	1	9
2	All Other	0.58	1.07	1	14
	PSC Rate Adjustment	5.01	-		
3	Total LEAC	22.22	31.65	1	16
<u>Energy Volumes</u>					
4	Total Sales Forecast	152,231	134,619	1	1
5	% Change vs. Currently Approved		(11.6%)		
<u>Average Thermal Heat Rates (BTU/kWh)</u>					
6	Plant	12,095	14,716		
7	% Change vs. Currently Approved		21.7%		
<u>Fuel Cost and Mix</u>					
8	No. 2 Oil Average Price Delivered (\$/gal)	\$ 2.44	\$ 3.00		
9	% Change vs. Currently Approved		23.0%		
10	LPG Average Price Delivered (\$/gal)	\$ 1.10	\$ 1.38		
11	% Change vs. Currently Approved		25.7%		
Fuel Mix (MMBTU)					
12	No. 2 Oil	33.1%	11.3%		
13	LPG	66.9%	88.7%		

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Worksheet 3: Consumer Retail Rate Impact

Line #	Rate Class			
	Residential	Commercial	Large Power	
1	Average Monthly Usage (kWh)	400	1,200	25,000
2	Change in LEAC Rate (¢/kWh)	9.43	9.43	9.43
3	Impact to Bill (Monthly)	\$ 38	\$ 113	\$ 2,357

	Avg. Monthly Usage (kWh)	Change in LEAC Rate (¢/kWh)	Impact to Bill
4	200	9.43	\$ 18.85
5	400	9.43	\$ 37.71
6	600	9.43	\$ 56.56
7	800	9.43	\$ 75.42
8	1,000	9.43	\$ 94.27
9	1,200	9.43	\$ 113.12
10	1,400	9.43	\$ 131.98
11	1,600	9.43	\$ 150.83
12	1,800	9.43	\$ 169.69
13	2,000	9.43	\$ 188.54

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Worksheet 4: Comparison of Fuel Parameters

Line #		Current As Approved		Proposed LEAC		Cross Reference	
		Apr-Jun 2203		Apr-Jun 2024		WS #	Line #
Fuel Consumption							
1	No. 2 Oil (MMBTU)		644,397		248,786		
2	LPG (MMBTU)		1,301,637		1,946,500		
3	Total Consumption (MMBTU) (Line 1+2)		1,946,034		2,195,286		
4	No. 2 Oil Heat Content		141,000		141,000		
5	LPG Heat Content		91,500		91,500		
6	No. 2 Oil Gallons - Line 1/4		4,570,191		1,764,439		
7	LPG Gallons - Line 2/5		14,225,541		21,273,223		
8	Total Gallons Required (Line 6+7)		18,795,732		23,037,663		
Fuel Mix (MMBTU)							
9	No. 2 Oil		33.1%		11.3%	2	12
10	LPG		66.9%		88.7%	2	13
11	Plant Heat Rate (BTU/kWh)		12,095		14,716	2	6
Fuel Prices (\$/Gal)							
12	No. 2 Oil - Delivered	\$	2.44	\$	3.00	2	8
13	LPG - Delivered		1.10		1.38	2	10
14	Weighted Average - Delivered	\$	1.54	\$	1.57		
Fuel Costs (\$)							
15	No. 2 Oil - Delivered	\$	10,756,396	\$	5,292,096		
16	LPG - Delivered		15,666,067		29,419,578		
17	Urea		-		-		
18	Forced Outage Reserve Adder		-		5,658,003		
19	Spinning Reserve Adder		-		2,256,259		
20	Total (Sum Line 15-19)	\$	26,422,463	\$	42,625,936		
21	Less: Energy Charges to Water Department	\$	(1,108,175)	\$	(1,465,650)		
22	Current Fuel Cost to be Recovered (Line 20+21)	\$	25,314,289	\$	41,160,287	1	2

Line # St. Thomas

Month	Fuel Consumption (Gal)		Delivered Fuel Cost (\$/Gal)		Fuel Cost (\$)					Total Generation (MWh)	Total Renewable Generation (MWh)
	LPG	No. 2 Oil	LPG	No. 2 Oil	LPG	No. 2 Oil	Urea	Forced Outage Reserve (16.3%)	Spinning Reserve (6.5%)		
1 Apr-24	3,981,648	919,663	\$ 1.38	\$ 3.01	\$ 5,507,933	\$ 2,770,668	\$ -	\$ 1,349,412	\$ 538,109	34,917	929
2 May-24	4,145,747	74,271	\$ 1.38	\$ 2.99	\$ 5,728,054	\$ 222,085	\$ -	\$ 969,873	\$ 386,759	26,109	934
3 Jun-24	4,093,825	770,505	\$ 1.38	\$ 2.98	\$ 5,664,831	\$ 2,299,342	\$ -	\$ 1,298,160	\$ 517,671	31,235	890
7 Total	12,221,220	1,764,439	\$ 1.38	\$ 3.00	\$ 16,900,818	\$ 5,292,096	\$ -	\$ 3,617,445	\$ 1,442,539	92,261	2,753

St. Croix

Month	Fuel Consumption (Gal)		Delivered Fuel Cost (\$/Gal)		Fuel Cost (\$)					Total Generation (MWh)	Total Renewable Generation (MWh)
	LPG	No. 2 Oil	LPG	No. 2 Oil	LPG	No. 2 Oil	Urea	Forced Outage Reserve (16.3%)	Spinning Reserve (6.5%)		
8 Apr-24	3,314,015	0	\$ 1.38	\$ -	\$ 4,584,376	\$ -	\$ -	\$ 747,253	\$ 297,984	23,391	732
9 May-24	2,671,530	0	\$ 1.38	\$ -	\$ 3,691,174	\$ -	\$ -	\$ 601,661	\$ 239,926	17,423	640
10 Jun-24	3,066,458	0	\$ 1.38	\$ -	\$ 4,243,211	\$ -	\$ -	\$ 691,643	\$ 275,809	20,880	649
14 Total	9,052,003	0	\$ 1.38	\$ -	\$ 12,518,760	\$ -	\$ -	\$ 2,040,558	\$ 813,719	61,695	2,021

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Worksheet 6: Billing Forecast (Net-to-Gross Reconciliation)

Line #		Apr-24	May-24	Jun-24	3-Month Total
<u>St. Thomas (MWh)</u>					
1	Total Sales Forecast	31,001	22,890	27,656	81,548
2	Renewables Generation	929	934	890	2,753
3	Thermal Sales Forecast (Line 1-2)	30,072	21,956	26,766	78,795
4	Line Loss Assumption As Stipulated	6.6%	6.6%	6.6%	6.6%
5	Add: Thermal Line Loss As Stipulated	2,125	1,551	1,891	5,568
6	Sales Required from Thermal Generation (Line 3+5)	32,197	23,508	28,658	84,363
7	Allowable Plant Use Assumption As Stipulated	2.5%	2.5%	2.5%	2.5%
8	Add: Thermal Allowable Plant Use As Stipulated	826	603	735	2,163
9	Add: RO Consumption Not Billed	965	1,065	953	2,982
10	Total Thermal Generation Required (Line 6+8+9)	33,988	25,175	30,345	89,508
11	Total Generation (Line 2+9)	34,917	26,109	31,235	92,261
<u>St. Croix (MWh)</u>					
12	Total Sales Forecast	20,260	14,810	18,002	53,072
13	Renewables Generation	732	640	649	2,021
14	Thermal Sales Forecast (Line 11-12)	19,528	14,170	17,353	51,051
15	Line Loss Assumption As Stipulated	6.6%	6.6%	6.6%	6.6%
16	Add: Thermal Line Loss As Stipulated	1,380	1,001	1,226	3,607
17	Sales Required from Thermal Generation (Line 13+15)	20,908	15,171	18,580	54,658
18	Allowable Plant Use Assumption As Stipulated	2.5%	2.5%	2.5%	2.5%
19	Add: Thermal Allowable Plant Use As Stipulated	536	389	476	1,401
20	Add: RO Consumption Not Billed	1,216	1,223	1,175	3,614
21	Total Thermal Generation Required (Line 16+18+19)	22,659	16,783	20,231	59,674
22	Total Generation (Line 12+19)	23,391	17,423	20,880	61,695

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Worksheet 7: Renewable Power & Energy Forecast

Cross Reference
WS # Line #

St. Thomas				
Line #	Unit	Renewable Capacity (MW)	Trailing Six Months Generation (MWh)	Proposed Period Generation (MWh)
1	Bovoni Landfill			0
2	Port Authority (Cyril E King Airport)			0
3	Donoe Solar (BMR)			2,753
4	Cruz Bay, STJ Solar			0
5	PV Street Lights			0
6	Total Renewable Energy			2,753

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St. Croix				
Line #	Unit	Renewable Capacity (MW)	Trailing Six Months Generation (MWh)	Proposed Period Generation (MWh)
7	Spanish Town Solar Farm			2,021
8	Adventure Solar			0
9	Henry Rohlsen Airport Solar			0
10	Longford Wind Farm			0
11	PV Street Lights			0
12	Total Renewable Energy			2,021

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Worksheet 8: Thermal Power and Energy Forecast

Line #		Current As Approved	Proposed LEAC	Cross Reference	
		Apr-Jun 2023	Apr-Jun 2024	WS #	Line #
<u>St. Thomas (MWh)</u>					
1	Total Energy Requirement for Billings (WS 6)	92,261	92,261	6	11
2	Less: Renewable Generation (WS 7)	(2,753)	(2,753)	7	6
3	Total Thermal Power & Energy Forecast (Line 1-2)	89,508	89,508	6	10
<u>St. Croix (MWh)</u>					
4	Total Energy Requirement for Billings (WS 6)	61,695	61,695	6	22
5	Less: Renewable Generation (WS 7)	(2,021)	(2,021)	7	12
6	Total Thermal Power & Energy Forecast (Line 4-5)	59,674	59,674	6	21

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 Worksheet 9b: Production Costing Outputs - Island Totals

Line #		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	3-Month Total	Cross Reference WS #	Line #
St. Thomas Total										
1	LPG Generation (MWh)	26,062	24,595	24,308	-	-	-	74,964		
2	No. 2 Oil Generation (MWh)	7,926	580	6,038	-	-	-	14,543		
3	Total Thermal Generation (MWh)	33,988	25,175	30,345	-	-	-	89,508	6	10
4	LPG Consumption (MMBTU)	364,321	379,336	374,585	-	-	-	1,118,242		
5	No. 2 Oil Consumption (MMBTU)	129,672	10,472	108,641	-	-	-	248,786		
6	Total Consumption (MMBTU)	493,993	389,808	483,226	-	-	-	1,367,028		
7	LPG Heat Content	91,500	91,500	91,500	91,500	91,500	91,500	91,500		
8	No. 2 Oil Heat Content	141,000	141,000	141,000	141,000	141,000	141,000	141,000		
9	LPG Gallons Required - Line 4/7	3,981,648	4,145,747	4,093,825	0	0	0	12,221,220		
10	No. 2 Oil Gallons Required - Line 5/8	919,663	74,271	770,505	0	0	0	1,764,439		
11	LPG Avg. Price Delivered	\$ 1.38	\$ 1.38	1.38				\$ 1.38	2	10
12	No. 2 Oil Avg. Price Delivered	3.01	2.99	2.98				3.00	2	8
13	LPG Total Cost - Line 9*11	\$ 5,507,933	\$ 5,728,054	\$ 5,664,831	\$ -	\$ -	\$ -	\$ 16,900,818	5	7
14	No. 2 Oil Total Cost - Line 10*12	2,770,668	222,085	2,299,342	-	-	-	5,292,096	5	7
15	Urea Total Cost	-	-	-	-	-	-	-	5	7
16	Forced Outage Reserve Adder (7.5%)	1,349,412	969,873	1,298,160	-	-	-	3,617,445	5	7
17	Spinning Reserve Adder (0.5%)	538,109	386,759	517,671	-	-	-	1,442,539	5	7
18	Total Fuel Cost - Sum Lines 13-17	\$ 10,166,123	\$ 7,306,771	\$ 9,780,005	\$ -	\$ -	\$ -	\$ 27,252,899		
19	System Heat Rate (BTU/kWh) - Line 6/3	14,535	15,484	15,924				15,273		
St. Croix Total										
20	LPG Generation (MWh)	22,659	16,783	20,231	-	-	-	59,674		
21	No. 2 Oil Generation (MWh)	-	-	-	-	-	-	-		
22	Total Thermal Generation (MWh)	22,659	16,783	20,231	-	-	-	59,674	6	21
23	LPG Consumption (MMBTU)	303,232	244,445	280,581	-	-	-	828,258		
24	No. 2 Oil Consumption (MMBTU)	-	-	-	-	-	-	-		
25	Total Consumption (MMBTU)	303,232	244,445	280,581	-	-	-	828,258		
26	LPG Heat Content	91,500	91,500	91,500	91,500	91,500	91,500	91,500		
27	No. 2 Oil Heat Content	141,000	141,000	141,000	141,000	141,000	141,000	141,000		
28	LPG Gallons Required - Line 23/26	3,314,015	2,671,530	3,066,458	0	0	0	9,052,003		
29	No. 2 Oil Gallons Required - Line 24/27	0	0	0	0	0	0	0		
30	LPG Avg. Price Delivered	\$ 1.38	\$ 1.38	1.38				\$ 1.38	2	10
31	No. 2 Oil Avg. Price Delivered	3.01	2.99	2.98				3.00	2	8
32	LPG Total Cost - Line 28*30	\$ 4,584,376	\$ 3,691,174	\$ 4,243,211	\$ -	\$ -	\$ -	\$ 12,518,760	5	14
33	No. 2 Oil Total Cost - Line 29*31	-	-	-	-	-	-	-	5	14
34	Urea Total Cost	-	-	-	-	-	-	-	5	14
35	Forced Outage Reserve Adder (7.5%)	747,253	601,661	691,643	-	-	-	2,040,558	5	14
36	Spinning Reserve Adder (0.5%)	297,984	239,926	275,809	-	-	-	813,719	5	14
37	Total Fuel Cost - Sum Lines 32-36	\$ 5,629,614	\$ 4,532,761	\$ 5,210,663	\$ -	\$ -	\$ -	\$ 15,373,038		
38	System Heat Rate (BTU/kWh) - Line 25/22	13,382	14,565	13,869				13,880		

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Worksheet 9c: Production Costing Outputs - St. Thomas by Unit

Line #	Unit	Fuel Type	Resource Dispatch Mode	Apr-24	May-24	Jun-24
Generation (MWH)						
1	Unit 14	Diesel	OUT	0	0	0
2	Unit 15	Diesel	OUT	0	0	0
3	Unit 23	Diesel	ECON	0	0	0
4	Unit 27	Diesel	ECON	7,926	580	6,038
5	Unit 15	LPG	ECON	10,879	8,943	9,125
6	Unit 27	LPG	OUT	0	0	0
7	Wartsila 1	LPG	ECON	5,061	5,230	5,061
8	Wartsila 2	LPG	ECON	5,061	5,230	5,061
9	Wartsila 3	LPG	ECON	5,061	5,193	5,061
10	Wartsila 4	LPG	ECON	0	0	0
11	Wartsila 5	LPG	ECON	0	0	0
12	Wartsila 6	LPG	ECON	0	0	0
13	Wartsila 7	LPG	ECON	0	0	0
14	Wartsila 4	Diesel	ECON	0	0	0
15	Wartsila 5	Diesel	ECON	0	0	0
16	Wartsila 6	Diesel	ECON	0	0	0
17	Wartsila 7	Diesel	ECON	0	0	0
18	Bovoni Landfill Wind and Solar	Renewable	Fixed (Renewable)	0	0	0
19	Cyril E King Airport	Renewable	Fixed (Renewable)	0	0	0
20	Donoe Solar	Renewable	Fixed (Renewable)	929	934	890
21	Cruz Bay	Renewable	Fixed (Renewable)	0	0	0
22	Total Generation - No. 2 / LPG			33,988	25,175	30,345
23	Total Generation - All			34,917	26,109	31,235
Consumption (MMBTU)						
24	Unit 14	Diesel	OUT	0	0	0
25	Unit 15	Diesel	ECON	0	0	0
26	Unit 23	Diesel	ECON	0	0	0
27	Unit 27	Diesel	ECON	129,672	10,472	108,641
28	Unit 15	LPG	ECON	220,845	231,380	231,109
29	Unit 27	LPG	OUT	0	0	0
30	Wartsila 1	LPG	ECON	47,825	49,419	47,825
31	Wartsila 2	LPG	ECON	47,825	49,419	47,825
32	Wartsila 3	LPG	ECON	47,825	49,116	47,825
33	Wartsila 4	LPG	OUT	0	0	0
34	Wartsila 5	LPG	OUT	0	0	0
35	Wartsila 6	LPG	OUT	0	0	0
36	Wartsila 7	LPG	OUT	0	0	0
37	Wartsila 4	Diesel	OUT	0	0	0
38	Wartsila 5	Diesel	OUT	0	0	0
39	Wartsila 6	Diesel	OUT	0	0	0
40	Wartsila 7	Diesel	OUT	0	0	0
41	Total Consumption - LPG	LPG		364,321	379,336	374,585
42	Total Consumption - Diesel	Diesel		129,672	10,472	108,641

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Worksheet 9c: Production Costing Outputs - St. Thomas by Unit

Line #	Unit	Fuel Type	Resource Dispatch Mode	Apr-24	May-24	Jun-24
<u>Heat Rate (BTU/KWH)</u>						
43	Unit 14	Diesel	OUT	0	0	0
44	Unit 15	Diesel	OUT	0	0	0
45	Unit 23	Diesel	ECON			
46	Unit 27	Diesel	ECON	16,361	18,056	17,994
47	Unit 15	LPG	ECON	20,299	25,874	25,327
48	Unit 27	LPG	OUT	0	0	0
49	Wartsila 1	LPG	ECON	9,450	9,450	9,450
50	Wartsila 2	LPG	ECON	9,450	9,450	9,450
51	Wartsila 3	LPG	ECON	9,450	9,458	9,450
52	Wartsila 4	LPG	OUT			
53	Wartsila 5	LPG	OUT			
54	Wartsila 6	LPG	OUT			
55	Wartsila 7	LPG	OUT			
56	Wartsila 4	Diesel	OUT			
57	Wartsila 5	Diesel	OUT			
58	Wartsila 6	Diesel	OUT			
59	Wartsila 7	Diesel	OUT			
60	STT Total Heat Rate - (Lines 45+46)/24			14,535	15,484	15,924

Line #	Unit	Fuel Type	Resource Dispatch Mode	Apr-24	May-24	Jun-24
Generation (MWH)						
1	Unit 20	Diesel	ECON	0	0	0
2	Unit 17	Diesel	OUT	0	0	0
3	Unit 19	Diesel	ECON	0	0	0
4	Unit 20	LPG	ECON	8,407	4,122	6,037
5	Unit 17	LPG	ECON	0	0	0
6	Aggreko 1	LPG	ECON	792	703	789
7	Aggreko 2	LPG	ECON	792	703	789
8	Aggreko 3	LPG	ECON	792	703	789
9	Aggreko 4	LPG	ECON	792	703	789
10	Aggreko 5	LPG	ECON	792	703	789
11	Aggreko 6	LPG	ECON	792	703	789
12	Aggreko 7	LPG	ECON	792	703	789
13	Aggreko 8	LPG	ECON	792	703	789
14	Aggreko 9	LPG	ECON	792	703	789
15	Aggreko 10	LPG	ECON	792	703	789
16	Aggreko 11	LPG	ECON	792	703	789
17	Aggreko 12	LPG	ECON	792	703	789
18	Aggreko 13	LPG	ECON	792	703	789
19	Aggreko 14	LPG	ECON	792	703	789
20	Aggreko 15	LPG	ECON	792	703	789
21	Aggreko 16	LPG	ECON	792	703	789
22	Aggreko 17	LPG	ECON	792	703	789
23	Aggreko 18	LPG	OUT	792	703	789
24	Rice 1	LPG	OUT	0	0	0
25	Rice 2	LPG	OUT	0	0	0
26	Rice 3	LPG	OUT	0	0	0
27	Rice 4	LPG	OUT	0	0	0
28	Rice 1	Diesel	OUT	0	0	0
29	Rice 2	Diesel	OUT	0	0	0
30	Rice 3	Diesel	OUT	0	0	0
31	Rice 4	Diesel	OUT	0	0	0
32	Spanish Town Solar Farm	Renewable	Fixed (Renewable)	732	640	649
33	Adventure Solar	Renewable	Fixed (Renewable)	0	0	0
34	Henry Rohlsen Airport Solar	Renewable	Fixed (Renewable)	0	0	0
35	Longford Wind Farm	Renewable	Fixed (Renewable)	0	0	0
36	Total Generation - No. 2 / LPG			22,659	16,783	20,231
37	Total Generation - All			23,391	17,423	20,880
Consumption (MMBTU)						
38	Unit 20	Diesel	ECON	0	0	0
39	Unit 17	Diesel	OUT	0	0	0
40	Unit 19	Diesel	ECON	0	0	0
41	Unit 20	LPG	ECON	163,174	119,720	141,086
42	Unit 17	LPG	ECON	0	0	0
43	Aggreko 1	LPG	ECON	7,781	6,929	7,750
44	Aggreko 2	LPG	ECON	7,781	6,929	7,750
45	Aggreko 3	LPG	ECON	7,781	6,929	7,750
46	Aggreko 4	LPG	ECON	7,781	6,929	7,750
47	Aggreko 5	LPG	ECON	7,781	6,929	7,750
48	Aggreko 6	LPG	ECON	7,781	6,929	7,750
49	Aggreko 7	LPG	ECON	7,781	6,929	7,750
50	Aggreko 8	LPG	ECON	7,781	6,929	7,750
51	Aggreko 9	LPG	ECON	7,781	6,929	7,750
52	Aggreko 10	LPG	ECON	7,781	6,929	7,750
53	Aggreko 11	LPG	ECON	7,781	6,929	7,750
54	Aggreko 12	LPG	ECON	7,781	6,929	7,750
55	Aggreko 13	LPG	ECON	7,781	6,929	7,750
56	Aggreko 14	LPG	ECON	7,781	6,929	7,750
57	Aggreko 15	LPG	ECON	7,781	6,929	7,750
58	Aggreko 16	LPG	ECON	7,781	6,929	7,750
59	Aggreko 17	LPG	ECON	7,781	6,929	7,750
60	Aggreko 18	LPG	OUT	7,781	6,929	7,750
61	Rice 1	LPG	OUT	0	0	0
62	Rice 2	LPG	OUT	0	0	0
63	Rice 3	LPG	OUT	0	0	0
64	Rice 4	LPG	OUT	0	0	0
65	Rice 1	Diesel	OUT	0	0	0
66	Rice 2	Diesel	OUT	0	0	0
67	Rice 3	Diesel	OUT	0	0	0
68	Rice 4	Diesel	OUT	0	0	0
69	Total Consumption - LPG	LPG		303,232	244,445	280,581
70	Total Consumption - Diesel	Diesel		0	0	0

Line #	Unit	Fuel Type	Resource Dispatch Mode	Apr-24	May-24	Jun-24
Heat Rate (BTU/KWH)						
71	Unit 20	Diesel	ECON	0	0	0
72	Unit 17	Diesel	OUT	0	0	0
73	Unit 19	Diesel	ECON	0	0	0
74	Unit 20	LPG	ECON	19,409	29,041	23,369
75	Unit 17	LPG	ECON			
76	Aggreko 1	LPG	ECON	9,827	9,851	9,828
77	Aggreko 2	LPG	ECON	9,827	9,851	9,828
78	Aggreko 3	LPG	ECON	9,827	9,851	9,828
79	Aggreko 4	LPG	ECON	9,827	9,851	9,828
80	Aggreko 5	LPG	ECON	9,827	9,851	9,828
81	Aggreko 6	LPG	ECON	9,827	9,851	9,828
82	Aggreko 7	LPG	ECON	9,827	9,851	9,828
83	Aggreko 8	LPG	ECON	9,827	9,851	9,828
84	Aggreko 9	LPG	ECON	9,827	9,851	9,828
85	Aggreko 10	LPG	ECON	9,827	9,851	9,828
86	Aggreko 11	LPG	ECON	9,827	9,851	9,828
87	Aggreko 12	LPG	ECON	9,827	9,851	9,828
88	Aggreko 13	LPG	ECON	9,827	9,851	9,828
89	Aggreko 14	LPG	ECON	9,827	9,851	9,828
90	Aggreko 15	LPG	ECON	9,827	9,851	9,828
91	Aggreko 16	LPG	ECON	9,827	9,851	9,828
92	Aggreko 17	LPG	ECON	9,827	9,851	9,828
93	Aggreko 18	LPG	OUT	9,827	9,851	9,828
94	Rice 1	LPG	OUT	0	0	0
95	Rice 2	LPG	OUT	0	0	0
96	Rice 3	LPG	OUT	0	0	0
97	Rice 4	LPG	OUT	0	0	0
98	Rice 1	Diesel	OUT	0	0	0
99	Rice 2	Diesel	OUT	0	0	0
100	Rice 3	Diesel	OUT	0	0	0
101	Rice 4	Diesel	OUT	0	0	0
102	STX Total Heat Rate - (Lines 69+70)/36			13,382	14,565	13,869

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Worksheet 10: Ultra Pure Water Charges

Line #		Current As Approved Apr-Jun 2023	Proposed LEAC Apr-Jun 2024	Cross Reference WS #	Line #
<u>Ultra Pure Water Charge - Island Totals</u>					
1	St. Thomas	\$ 322,540	307,755		
2	St. Croix	119,394	101,178		
3	Total	\$ 441,934	\$ 408,933		
4	Plant Repair RO Contract (STT Only)	\$ 61,394	\$ 64,003	1	6
<u>Ultra Pure Water Charge - kgal</u>					
5	STT	32,200	31,500		
6	STX	12,880	12,600		
7	Total kgal	45,080	44,100		
<u>Ultra Pure Water Charge - Cost per kgal</u>					
8	STT	\$ 10.02	\$ 9.77		
9	STX	9.27	8.03		
10	Weighted Average Cost per kgal	\$ 9.80	\$ 9.27		
<u>RO Energy Consumed (kWh)</u>					
11	STT	2,241,834	2,775,872		
12	STX	3,184,590	3,321,125		
13	Total	5,426,423	6,096,997		

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Worksheet 11: Other Eligible LEAC Costs

Line #	Current As Approved Apr-Jun 2023		Proposed LEAC Apr-Jun 2024		Cross Reference	
					WS #	Line #
Other Eligible LEAC Costs						
1	PSC Regulatory Costs	\$ 42,000	\$ 42,000		1	3
2	Renewable Energy Costs	343,176	802,032		1	4
3	Water System Billings to Electric	441,934	538,147		1	5
4	Plant Repair RO Contract	61,394	64,003		1	6
5	<u>Total Other Charges</u>	<u>\$ 888,503</u>	<u>\$ 1,446,182</u>		1	7

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Worksheet 12: Fuel Futures Pricing Forecast

Line #		Apr-24	May-24	Jun-24
LPG				
7-Day Sample (Unhedged)				
1	1/8/2024	0.67	0.67	0.67
2		-	-	-
3		-	-	-
4		-	-	-
5		-	-	-
6		-	-	-
7		-	-	-
8	Avg. Spot Price (per Gal)	\$ 0.67	\$ 0.67	\$ 0.67
9	Delivery	0.71	0.71	0.71
10	Total Price per Gallon (Line 8+9)	\$ 1.38	\$ 1.38	\$ 1.38
No. 2 Oil				
7-Day Sample (Unhedged)				
11	1/8/2024	2.42	2.40	2.39
12		-	-	-
13		-	-	-
14		-	-	-
15		-	-	-
16		-	-	-
17		-	-	-
18	Avg. Spot Price (per Gal)	\$ 2.42	\$ 2.40	\$ 2.39
19	Delivery	0.595	0.595	0.595
20	Total Price per Gallon (Line 18+19)	\$ 3.01	\$ 2.99	\$ 2.98