# 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.

| Line # | | Current As Approved Apr-Jun 2023 | Proposed LEAC Apr-Jun 2024 | Cross Reference WS # | Cross Reference Line # |
|---|---|---|---|---|---|
| | Sales | | | | |
| 1 | Total Sales Forecast (MWh) | 152,231 | 134,619 | | |
| | Costs to be Recovered ($) | | | | |
| 2 | Current Fuel Cost Portion of LEAC | $ 25,314,289 | $ 31,047,945 | | |
| | 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 | $ 32,494,127 | | |
| | LEAC Rate Calculation (¢/kWh) | | | | |
| 9 | Current Fuel Cost Portion of LEAC | 16.63 | 23.06 | | |
| | 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 | 24.14 | | |

# U.S. Virgin Islands Water and Power Authority

## Worksheet 2: Comparison of Rate Change

| Line # | | Current As Approved Apr-Jun 2023 | Proposed LEAC Apr-Jun 2024 | Cross Reference WS # | Cross Reference Line # |
|---|---|---|---|---|---|
| | **LEAC Rate Summary (¢/kWh)** | | | | |
| | LEAC Rate | | | | |
| 1 | Current Fuel Costs | 16.63 | 23.06 | 1 | 9 |
| 2 | All Other | 0.58 | 1.07 | 1 | 14 |
| | PSC Rate Adjustment | 5.01 | - | | |
| 3 | Total LEAC | 22.22 | 24.14 | 1 | 16 |
| | **Energy Volumes** | | | | |
| 4 | Total Sales Forecast | 152,231 | 134,619 | 1 | 1 |
| 5 | % Change vs. Currently Approved | | (11.6%) | | |
| | **Average Thermal Heat Rates (BTU/kWh)** | | | | |
| 6 | Plant | 12,095 | 11,171 | | |
| 7 | % Change vs. Currently Approved | | (7.6%) | | |
| | **Fuel Cost and Mix** | | | | |
| 8 | No. 2 Oil Average Price Delivered ($/gal) | $ 2.44 | $ 3.00 | | |
| 9 | % Change vs. Currently Approved | | 23.2% | | |
| 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% | 4.9% | | |
| 13 | LPG | 66.9% | 95.1% | | |

# U.S. Virgin Islands Water and Power Authority

## 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) | 1.92 | 1.92 | 1.92 |
| 3 | Impact to Bill (Monthly) | $ 8 | $ 23 | $ 479 |

| | Avg. Monthly Usage (kWh) | Change in LEAC Rate (¢/kWh) | Impact to Bill |
|---|---|---|---|
| 4 | 200 | 1.92 | $ 3.83 |
| 5 | 400 | 1.92 | $ 7.66 |
| 6 | 600 | 1.92 | $ 11.49 |
| 7 | 800 | 1.92 | $ 15.32 |
| 8 | 1,000 | 1.92 | $ 19.15 |
| 9 | 1,200 | 1.92 | $ 22.98 |
| 10 | 1,400 | 1.92 | $ 26.81 |
| 11 | 1,600 | 1.92 | $ 30.64 |
| 12 | 1,800 | 1.92 | $ 34.47 |
| 13 | 2,000 | 1.92 | $ 38.31 |

Worksheet 4: Comparison of Fuel Parameters

| Line # | | | Current As Approved Apr-Jun 2203 | | Proposed LEAC Apr-Jun 2024 | Cross Reference WS # | Cross Reference Line # |
|---|---|---|---|---|---|---|---|
| | Fuel Consumption | | | | | | |
| 1 | No. 2 Oil (MMBTU) | | 644,397 | | 81,517 | | |
| 2 | LPG (MMBTU) | | 1,301,637 | | 1,584,968 | | |
| 3 | Total Consumption (MMBTU) (Line 1+2) | | 1,946,034 | | 1,666,484 | | |
| 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 | | 578,132 | | |
| 7 | LPG Gallons - Line 2/5 | | 14,225,541 | | 17,322,052 | | |
| 8 | Total Gallons Required (Line 6+7) | | 18,795,732 | | 17,900,184 | | |
| | Fuel Mix (MMBTU) | | | | | | |
| 9 | No. 2 Oil | | 33.1% | | 4.9% | 2 | 12 |
| 10 | LPG | | 66.9% | | 95.1% | 2 | 13 |
| 11 | Plant Heat Rate (BTU/kWh) | | 12,095 | | 11,171 | 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 | $ | 1.46 | | |
| | Fuel Costs ($) | | | | | | |
| 15 | No. 2 Oil - Delivered | $ | 10,756,396 | $ | 1,736,659 | | |
| 16 | LPG - Delivered | | 15,666,067 | | 23,956,211 | | |
| 17 | Urea | | - | | 962,751 | | |
| 18 | Forced Outage Reserve Adder | | - | | 4,187,938 | | |
| 19 | Spinning Reserve Adder | | - | | 1,670,037 | | |
| 20 | Total (Sum Line 15-19) | $ | 26,422,463 | $ | 32,513,595 | | |
| 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 | $ | 31,047,945 | 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 | 3,025,812 | 386,890 | $ 1.38 | $ 3.01 | $ 4,185,697 | $ 1,165,582 | $ 318,816 | $ 872,259 | $ 347,833 | 34,917 | 929 |
| 2 | May-24 | 2,383,973 | 61,740 | $ 1.38 | $ 2.99 | $ 3,293,864 | $ 184,616 | $ 325,120 | $ 566,992 | $ 226,101 | 26,109 | 934 |
| 3 | Jun-24 | 2,860,264 | 129,502 | $ 1.38 | $ 2.98 | $ 3,957,890 | $ 386,461 | $ 318,814 | $ 708,129 | $ 282,383 | 31,235 | 890 |
| 7 | Total | 8,270,049 | 578,132 | $ 1.38 | $ 3.00 | $ 11,437,451 | $ 1,736,659 | $ 962,751 | $ 2,147,380 | $ 856,317 | 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 |

| Line # | | Apr-24 | May-24 | Jun-24 | 3-Month Total |
|---|---|---|---|---|---|
| | St. Thomas (MWh) | | | | |
| 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 Stiuplated | 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 |
| | St. Croix (MWh) | | | | |
| 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 |

St. Thomas

| Line # | Unit | Renewable Capacity (MW) | Trailing Six Months Generation (MWh) | Proposed Period Generation (MWh) | Cross Reference WS # | Cross Reference Line # |
|---|---|---|---|---|---|---|
| 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 | 6 | 2 |

St. Croix

| | 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 | 6 | 13 |

Worksheet 8: Thermal Power and Energy Forecast

| Line # | | Current As Approved Apr-Jun 2023 | Proposed LEAC Apr-Jun 2024 | Cross Reference WS # | Cross Reference Line # |
|---|---|---|---|---|---|
| | St. Thomas (MWh) | | | | |
| 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 |
| | St. Croix (MWh) | | | | |
| 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 |

| Line # | | Apr-24 | May-24 | Jun-24 | Jul-24 | Aug-24 | Sep-24 | 3-Month Total | Cross Reference WS # | Cross Reference Line # |
|---|---|---|---|---|---|---|---|---|---|---|
| | St. Thomas Total | | | | | | | | | |
| 1 | LPG Generation (MWh) | 30,465 | 24,184 | 28,833 | - | - | - | 83,482 | | |
| 2 | No. 2 Oil Generation (MWh) | 3,523 | 991 | 1,512 | - | - | - | 6,026 | | |
| 3 | Total Thermal Generation (MWh) | 33,988 | 25,175 | 30,345 | - | - | - | 89,508 | 6 | 10 |
| 4 | LPG Consumption (MMBTU) | 276,862 | 218,134 | 261,714 | - | - | - | 756,709 | | |
| 5 | No. 2 Oil Consumption (MMBTU) | 54,551 | 8,705 | 18,260 | - | - | - | 81,517 | | |
| 6 | Total Consumption (MMBTU) | 331,413 | 226,839 | 279,974 | - | - | - | 838,226 | | |
| 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 | 3,025,812 | 2,383,973 | 2,860,264 | 0 | 0 | 0 | 8,270,049 | | |
| 10 | No. 2 Oil Gallons Required - Line 5/8 | 386,890 | 61,740 | 129,502 | 0 | 0 | 0 | 578,132 | | |
| 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 | $ 4,185,697 | $ 3,293,864 | $ 3,957,890 | $ - | $ - | $ - | $ 11,437,451 | 5 | 7 |
| 14 | No. 2 Oil Total Cost - Line 10*12 | 1,165,582 | 184,616 | 386,461 | - | - | - | 1,736,659 | 5 | 7 |
| 15 | Urea Total Cost | 318,816 | 325,120 | 318,814 | - | - | - | 962,751 | 5 | 7 |
| 16 | Forced Outage Reserve Adder (7.5%) | 872,259 | 566,992 | 708,129 | - | - | - | 2,147,380 | 5 | 7 |
| 17 | Spinning Reserve Adder (0.5%) | 347,833 | 226,101 | 282,383 | - | - | - | 856,317 | 5 | 7 |
| 18 | Total Fuel Cost - Sum Lines 13-17 | $ 6,890,187 | $ 4,596,693 | $ 5,653,677 | $ - | $ - | $ - | $ 17,140,557 | | |
| 19 | System Heat Rate (BTU/kWh) - Line 6/3 | 9,751 | 9,011 | 9,226 | | | | 9,365 | | |
| | 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 | | |

| 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 | 2,551 | 0 | 540 |
| 5 | Unit 15 | LPG | ECON | 0 | 0 | 0 |
| 6 | Unit 27 | LPG | OUT | 0 | 0 | 0 |
| 7 | Wartsila 1 | LPG | ECON | 5,059 | 3,917 | 4,943 |
| 8 | Wartsila 2 | LPG | ECON | 4,457 | 1,386 | 3,829 |
| 9 | Wartsila 3 | LPG | ECON | 2,481 | 48 | 1,593 |
| 10 | Wartsila 4 | LPG | ECON | 6,156 | 6,361 | 6,156 |
| 11 | Wartsila 5 | LPG | ECON | 6,156 | 6,361 | 6,156 |
| 12 | Wartsila 6 | LPG | ECON | 6,156 | 6,111 | 6,156 |
| 13 | Wartsila 7 | LPG | ECON | 0 | 0 | 0 |
| 14 | Wartsila 4 | Diesel | ECON | 324 | 335 | 324 |
| 15 | Wartsila 5 | Diesel | ECON | 324 | 335 | 324 |
| 16 | Wartsila 6 | Diesel | ECON | 324 | 322 | 324 |
| 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 | 46,042 | 0 | 9,750 |
| 28 | Unit 15 | LPG | ECON | 0 | 0 | 0 |
| 29 | Unit 27 | LPG | OUT | 0 | 0 | 0 |
| 30 | Wartsila 1 | LPG | ECON | 47,813 | 38,413 | 46,863 |
| 31 | Wartsila 2 | LPG | ECON | 42,705 | 13,836 | 37,290 |
| 32 | Wartsila 3 | LPG | ECON | 24,657 | 482 | 15,874 |
| 33 | Wartsila 4 | LPG | OUT | 53,896 | 55,692 | 53,896 |
| 34 | Wartsila 5 | LPG | OUT | 53,896 | 55,692 | 53,896 |
| 35 | Wartsila 6 | LPG | OUT | 53,896 | 54,018 | 53,895 |
| 36 | Wartsila 7 | LPG | OUT | 0 | 0 | 0 |
| 37 | Wartsila 4 | Diesel | OUT | 2,837 | 2,931 | 2,837 |
| 38 | Wartsila 5 | Diesel | OUT | 2,837 | 2,931 | 2,837 |
| 39 | Wartsila 6 | Diesel | OUT | 2,837 | 2,843 | 2,837 |
| 40 | Wartsila 7 | Diesel | OUT | 0 | 0 | 0 |
| 41 | Total Consumption - LPG | LPG | | 276,862 | 218,134 | 261,714 |
| 42 | Total Consumption - Diesel | Diesel | | 54,551 | 8,705 | 18,260 |

| Line # | Unit | Fuel Type | Resource Dispatch Mode | Apr-24 | May-24 | Jun-24 |
|---|---|---|---|---|---|---|
| | Heat Rate (BTU/KWH) | | | | | |
| 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 | 18,051 | | 18,056 |
| 47 | Unit 15 | LPG | ECON | | | |
| 48 | Unit 27 | LPG | OUT | 0 | 0 | 0 |
| 49 | Wartsila 1 | LPG | ECON | 9,450 | 9,808 | 9,481 |
| 50 | Wartsila 2 | LPG | ECON | 9,582 | 9,984 | 9,738 |
| 51 | Wartsila 3 | LPG | ECON | 9,939 | 10,044 | 9,962 |
| 52 | Wartsila 4 | LPG | OUT | 8,755 | 8,755 | 8,755 |
| 53 | Wartsila 5 | LPG | OUT | 8,755 | 8,755 | 8,755 |
| 54 | Wartsila 6 | LPG | OUT | 8,755 | 8,840 | 8,755 |
| 55 | Wartsila 7 | LPG | OUT | | | |
| 56 | Wartsila 4 | Diesel | OUT | 8,755 | 8,755 | 8,755 |
| 57 | Wartsila 5 | Diesel | OUT | 8,755 | 8,755 | 8,755 |
| 58 | Wartsila 6 | Diesel | OUT | 8,755 | 8,840 | 8,755 |
| 59 | Wartsila 7 | Diesel | OUT | | | |
| 60 | STT Total Heat Rate - (Lines 45+46)/24 | | | 9,751 | 9,011 | 9,226 |

| 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 |

# U.S. Virgin Islands Water and Power Authority

## Worksheet 10: Ultra Pure Water Charges

| Line # | | Current As Approved Apr-Jun 2023 | | Proposed LEAC Apr-Jun 2024 | | Cross Reference WS # | Cross Reference Line # |
|---|---|---|---|---|---|---|---|
| | Ultra Pure Water Charge - Island Totals | | | | | | |
| 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 |
| | Ultra Pure Water Charge - kgal | | | | | | |
| 5 | STT | | 32,200 | | 31,500 | | |
| 6 | STX | | 12,880 | | 12,600 | | |
| 7 | Total kgal | | 45,080 | | 44,100 | | |
| | Ultra Pure Water Charge - Cost per kgal | | | | | | |
| 8 | STT | $ | 10.02 | $ | 9.77 | | |
| 9 | STX | | 9.27 | | 8.03 | | |
| 10 | Weighted Average Cost per kgal | $ | 9.80 | $ | 9.27 | | |
| | RO Energy Consumed (kWh) | | | | | | |
| 11 | STT | | 2,241,834 | | 2,775,872 | | |
| 12 | STX | | 3,184,590 | | 3,321,125 | | |
| 13 | Total | | 5,426,423 | | 6,096,997 | | |

# U.S. Virgin Islands Water and Power Authority

## Worksheet 11: Other Eligible LEAC Costs

| Line # | | Current As Approved Apr-Jun 2023 | Proposed LEAC Apr-Jun 2024 | Cross Reference WS # | Cross Reference 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 | Total Other Charges | $ 888,503 | $ 1,446,182 | 1 | 7 |

# U.S. Virgin Islands Water and Power Authority

## 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 |