



**WAPA...**  
Working for You!

# VIWAPA DISASTER RECOVERY UPDATE

FEBRUARY 23, 2021

# INTRODUCTION

Good day to all:

- Honorable Janelle K. Sarauw, Chairperson of the Committee on Disaster Recovery and Infrastructure
- Members of the Committee and other Honorable Senators present
- Other testifiers, and the listening and viewing audiences

On behalf of the Virgin Islands Water and Power Authority, this presentation is begin presented by myself, Lawrence J. Kupfer, Executive Director/CEO of VIWAPA and members of the VIWAPA team.

We thank you for giving us the opportunity to appear before this body and provide an update on the Authority's Disaster Recovery projects. It is well known that 2017 hurricanes caused significant damage to the Authority's infrastructure, most notably our Transmission & Distribution facilities. Thanks to the assistance from sister utilities, on island contractors, the federal government, and the hardworking employees of the Authority, WAPA was able to successfully restore electricity to 90% of our eligible customers by December 25, 2017 and 100% by the end of January 2018.

# TOPICS TO BE PRESENTED TODAY

1. Financial summary – January 31, 2021
2. Summary of federal obligations – January 31, 2021
  - Federal Emergency Management Administration (FEMA) (\$642 million)
  - U.S. Department of Housing and Urban Development (HUD) (\$95 million)
  - Total FEMA obligations could approach \$2.7 billion based on FEMA’s Benefits Cost Analysis (BCA) methodology. This would require \$270 million in Local Match Funds.
  - Governor Bryan has written President Biden and requested that the Local Match be waived. Under existing law, the FEMA Administrator can waive the Local Match requirement for Insular Territories.
3. Projects by island and status as of January 31, 2021
  - Not all the projects to be discussed today have been approved for grant funding and are in various phases of discussion with FEMA and HUD.

## COVID-19

In early March of 2020, it became apparent that the COVID-19 coronavirus affecting the United States mainland and other parts of the world would soon spread to the shores of the territory. WAPA proactively activated its Incident Command System management team and developed strategic approaches and responses to any potential impact on employees and operations while addressing worker's challenges and maintaining a safe workplace for all.

WAPA has made several adjustments in its operation, maintained a robust operating model and implemented several protocols that are designed to safeguard the employees, workplace, customers, contractors, visitors, and the continuity of its operations.

To date there has been no workplace outbreak or spread of the virus in our facilities or impact on our operations and there has been no impact to short-term capital projects or our long-term initiatives.

## PROCUREMENT PROCESS

- Procurement by the Virgin Islands Water and Power Authority is governed by Title 30, Chapter 5, Section 116 of the Virgin Islands Code. The Authority utilizes two methods for securing goods and services:
  - **Open Market Purchases:** Occurs when the Authority solicits (to the extent services are readily available in the marketplace) quotes for materials and services from three qualified vendors in accordance with its Purchasing Policies and Procedures. Open Market Purchases may be carried out via Purchase Order and awards are made on price, specifications, delivery criteria, vendor history, and ability, and vendor's ability to perform the services required.
  - **Formal Advertising:** Either an Invitation for Bid (IFB) or Request for Proposal (RFP) is issued to invite interested entities to compete by submitting electronic responses by a specified date. More commonly for these disaster recovery projects, RFPs are issued, where the proposals received for the projects are evaluated based on factors contained in the solicitation including but not limited to time for performance of the work, time of delivery, quality of service to be provided, experience, financial strength, and references. Awards may be made with or without discussion. If discussions are held, offerors may be given the opportunity to revise price, schedule, technical requirements or other contractual terms and conditions in their offer. After completion of all discussions and receipt of final proposal revisions, an award is made to the most responsive offeror whose offer is the most advantageous to the Authority considering price and other factors specified in the solicitation.
- Pursuant to Title 30, Chapter 5, section 105(5), the Governing Board is vested with the Authority to make contracts on behalf of the Authority and the Board, through has delegated its contracting powers to the Executive Director of the Authority for all contracts \$200,000 and below. All other contracts above this threshold are approved by the Governing Board.



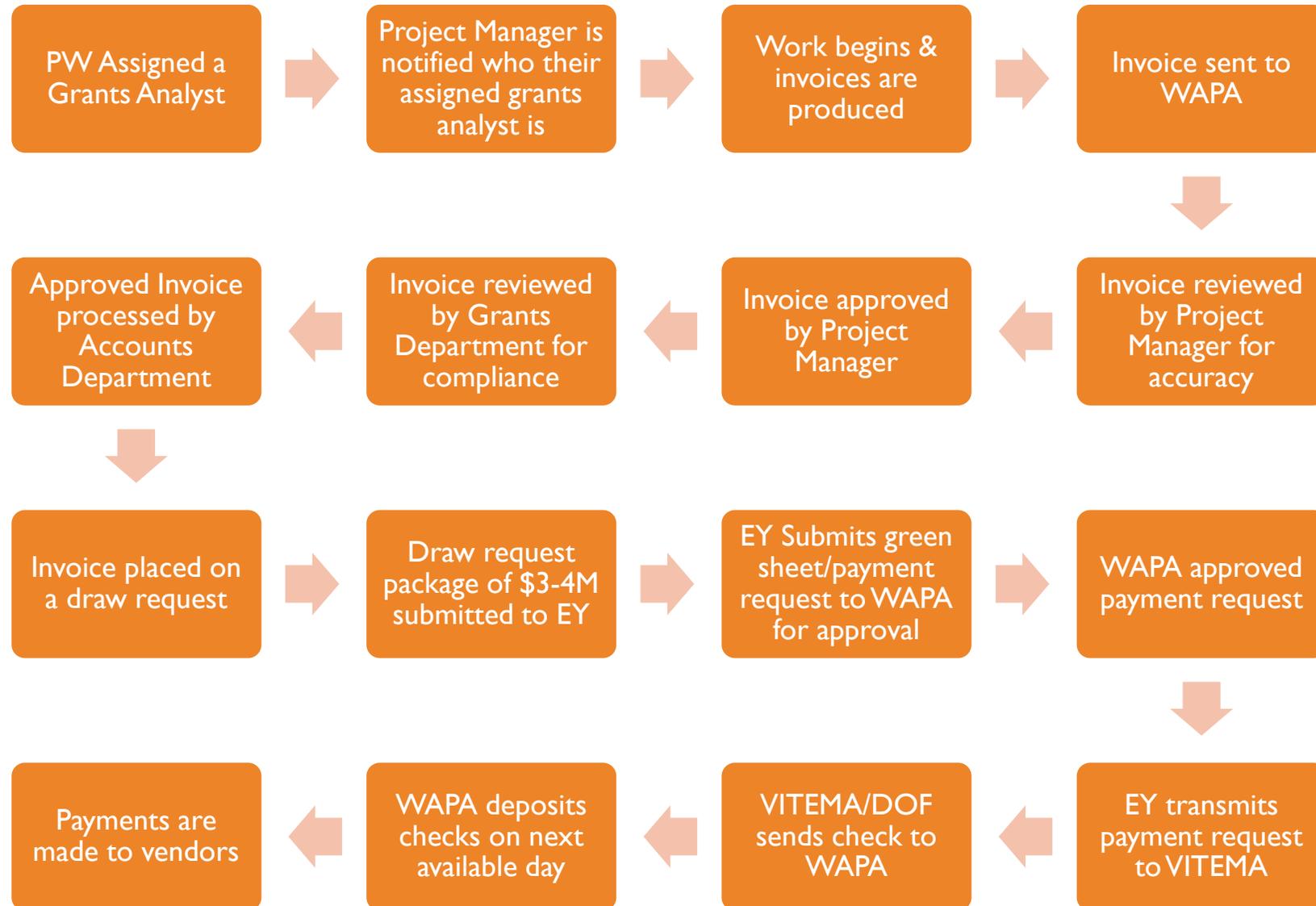
Vendor	Contract Number	Total Contract Consideration	Purpose of Contract
ELECTRIC SUPPLY OF TAMPA INC **	SC-13-16	\$ 1,350,000.00	Materials & Supplies
ABB INC **	SC-76-18	\$ 4,336,673.00	Replacement of 34.5 kV switchgear for East End Substation Project
BARKLEY TECHNOLOGIES INC **	SC-80-18	\$ 1,686,142.85	Project & Material Management Composite Pole Projects
CDR MAGUIRE INC. **	SC-07-19	\$ 539,388.00	Engineering & Design for Cruz Bay Underground
AMERICAN WIRE GROUP**	SC-10-19	\$ 41,348,331.31	Materials & Supplies
FXB ENGINEERING**	SC-15-19	\$ 5,618,180.72	Engineering & Design for East End Substation
GEOGRAPHIC CONSULTING, INC**	SC-23-19	\$ 200,000.00	Vegetation Management for composite pole project
LEIDOS ENGINEERING, LLC	SC-29-19	\$ 1,591,130.67	Engineering & Design STT Submarine Cable Project
HAUGLAND ENERGY GROUP LLC	SC-38-19	\$ 55,000,000.00	Cat F Waste removal
HAUGLAND ENERGY GROUP LLC	SC-44-19	\$ 1,857,567.00	East End Substation Restoration & Expansion Project
HAUGLAND VIRGIN ISLANDS	SC-07-20	\$ 1,164,565.67	East End Substation Switchgear Procurement - Phase II
HAUGLAND VIRGIN ISLANDS	SC-14-20	\$ 114,978,526.96	Composite Pole - St. Croix
HAUGLAND VIRGIN ISLANDS	SC-16-20	\$ 3,089,500.00	Pad Mount Distribution Switchgear - Cruz Bay Underground
AMERICAN WIRE GROUP	SC-17-20	\$ 769,961.00	Pad Mount Distribution Transformers - Cruz Bay Underground
AMERICAN WIRE GROUP	SC-18-20	\$ 2,172,131.59	Procurement of Electrical cables & cabinets - Cruz Bay Underground
FXB ENGINEERING**	SC-19-20	\$ 5,980,007.00	Project Management for Underground Projects
VIRGIN ISLANDS PAVING, INC.	SC-23-20	\$ 2,956,046.00	St. Croix Underground Project - Midland
VIVOT EQUIPMENT CORPORATION	SC-24-20	\$ 1,704,862.00	St. Croix Underground Project - Golden Grove
WARTSILA NORTH AMERICA, INC	SC-33-20	\$ 74,485,400.00	Engineering, Construction, & Battery Storage for the Harley Expansion Project
WARTSILA NORTH AMERICA, INC	SC-12-21	\$ 3,342,350.00	Architectural & Engineering for St. John Emergency Generation
HAUGLAND VIRGIN ISLANDS	SC-20-21	\$ 57,817,965.32	Composite poles - St. Thomas site A & B
BBC Electrical Services	SC-21-21	\$ 35,886,447.50	Composite Poles - St. John
J. BENTON	SC-22-21	\$ 2,528,500.00	St. Croix Underground Project - Container Port
HAUGLAND VIRGIN ISLANDS	SC-23-21	\$ 11,905,690.00	St. John Underground Project - Frank Bay to Mongoose Junction
<b>Total</b>		<b>\$ 432,309,366.59</b>	

\*\*Expired Contract

# I. FINANCIAL SUMMARY

JANUARY 31, 2021

# DRAW/PAYMENT PROCESS





# FEMA PAYMENTS STATUS – JANUARY 31, 2021

<u>Invoiced</u>	<u>Paid</u>	<u>Outstanding</u>
\$991,561,035.00	\$861,908,154.00	\$129,652,881.00

\$44,692,777.00 of the outstanding amount is for Local Match which is slated to be covered by HUD CDBG Grants. The funds for Local Match have not yet been received.

Governor Bryan has written President Biden and requested that the Local Match be waived. Under existing law, the FEMA Administrator can waive the Local Match requirement for Insular Territories.

## 2. SUMMARY OF FEDERAL OBLIGATIONS

JANUARY 31, 2021

# FEMA PROJECT OBLIGATIONS – JANUARY 31, 2021

PW Number	Description	Federal Share Obligated	Federal Funds Disbursed	Available Federal Share
288	Repair of tank area – Mon Bijou Road	\$2,933.41	\$2,933.41	-
162	Repair of damaged vehicles on St. Croix	\$7,920.00	-	\$7,920.00
182	Repair of damaged offices– St. Thomas	\$68,180.64	-	\$68,180.64
183	Repair of damaged vehicles - St. Thomas	\$21,606.62	-	\$21,606.62
522	Repair of damaged vehicles - St. Thomas	\$219,353.07	-	\$219,353.07
1048	Repair of Richmond Power Plant Warehouse	\$498,466.84	-	\$498,466.84
1053	Electrical service repair & mold remediation	\$106,746.08	-	\$106,746.08
1121	Repair of WAPA Buildings – St. Croix	\$933,860.19	-	\$933,860.19
60	Permanent repairs of electrical distribution - St. John	\$163,634,211.78	\$50,184,307.23	\$113,449,904.55
85	Permanent repairs of the electrical distribution - WI	\$14,764,690.63	\$11,068,461.94	\$3,696,228.69
86	9B Emergency Generator Repairs	\$90,000.00	-	\$90,000.00
193	Repair of 4 Water Storage Tanks – St. Croix	\$24,414.77	-	\$24,414.77
211	Repair water level gauges, pump stations - STJ	\$3,012.81	-	\$3,012.81
207	Water Pump Station Repairs - St. Thomas	\$51,208.68	\$51,208.68	-
126	Permanent repairs of the electrical distribution -STX	\$286,095,249.16	\$187,896,393.33	\$98,198,855.83
307	Permanent repairs of the electrical distribution - STT	\$143,096,692.82	\$142,601,643.30	\$495,049.51
158	Repair of the AMI system territory wide	\$18,566,507.20	\$5,832,037.72	\$12,734,469.48
226	Repair of water storage tanks - St. Thomas Island	\$222,874.88	-	\$222,874.88
1034	Repairs to the East End Substation	\$10,037,849.40	\$4,591,531.30	\$5,446,318.10
227	STX facility repairs for pump stations & water tanks	\$104,339.65	-	\$104,339.65
240	Cleaning & emergency repairs to facilities	\$86,846.44	-	\$86,846.44
548	Repair of WAPA's Substations	\$3,666,956.84	\$6,480.00	\$3,660,476.84
1054	St. Croix Richmond Power Plant Fuel Depot	\$39,000.07	-	\$39,000.07
<b>TOTAL PERMANENT WORK</b>		<b>\$642,342,920.98</b>	<b>\$402,234,996.91</b>	<b>\$240,107,924.07</b>
<b>Cost Share Required</b>			<b>\$44,692,777.43</b>	
<b>Total Invoiced</b>			<b>\$446,927,774.34</b>	

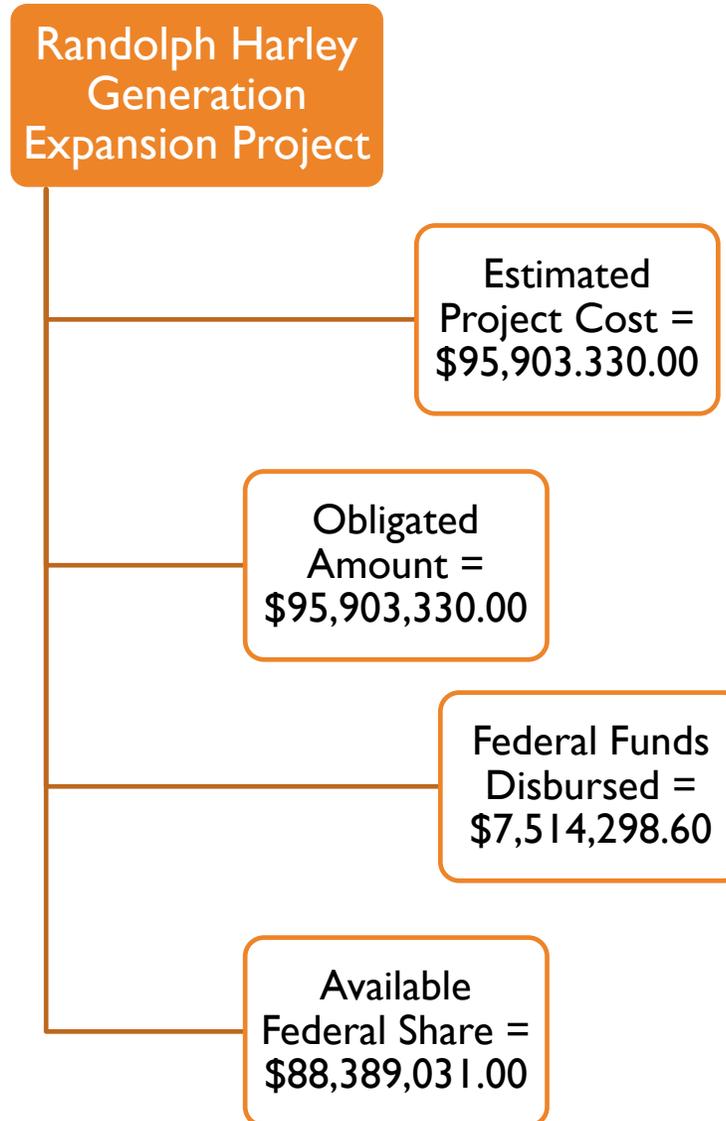


# FEMA ADMIN OBLIGATIONS – JANUARY 31, 2021

PW No.	Location	Category	Federal Share Obligated	Federal Share %	Federal Funds Disbursed	Available Federal Share
820	St. John	Z	\$ 1,674,043.04	100%	\$ 23,465.00	\$ 1,650,578.04
339	St. John	Z	\$ 457.16	100%	\$ 457.16	\$ -
846	St. Thomas	Z	\$ 19,436,374.97	100%	\$ 51,673.59	\$ 19,384,701.38
338	St. Thomas	Z	\$ 106,727.13	100%		\$ 106,727.13
836	St. Croix	Z	\$ 30,085,835.62	100%	\$ 19,059.60	\$ 30,066,776.02
854	Water Island	Z	\$ 132,935.14	100%		\$ 132,935.14
<b>TOTAL ADMINISTRATIVE COSTS</b>			<b>\$ 51,436,373.06</b>		<b>\$ 94,655.35</b>	<b>\$ 51,341,717.71</b>



# HUD OBLIGATIONS – JANUARY 31, 2021



## CHALLENGES

- Access to HUD local cost share match.
- Need to build and maintain capacity to handle projects.
- HUD restrictions on projects outside the Harley Expansion Project and the Composite Pole Projects.
  - Late FY2019 single audit.
- FEMA has reduced certain projects for anticipated insurance proceeds:
  - Harley Power Plant (PW 86 - \$756,728.12)
  - Harley Power Plant (PW 1147 - \$1,859,282.89)
  - T&D Line Dept. Building (PW 1053 - \$1,455,537.71)
  - Off-Site Leased Facilities (PW1023 - \$512,716.61)

## 3. PROJECTS BY ISLAND

OVERALL PLAN & STATUS AS OF JANUARY 31, 2021



## TERRITORY MITIGATION PROJECTS - WATER



### ■ St. Thomas

- Anna's Retreat Waterline Extension Ph 2. (HUD)
- Slope Stabilization (HUD)
- Smith Bay & Frydendahl Waterline Extension (HUD)
- Nazareth Waterline Extension (HUD)
- Bolongo Waterline Extension (HUD)
- Wintberg Waterline Extension (HUD)



### ■ St. Croix

- Strawberry & Baron Spot Waterline Extension (HUD)
- Concordia to Kingshill Waterline Rehabilitation (FEMA)
- Richmond to Concordia Waterline Rehabilitation (FEMA)
- Contentment to Kingshill Waterline Rehabilitation (FEMA)
- Kingshill West Waterline Rehabilitation (FEMA)
- Kingshill East Waterline Rehabilitation (FEMA)



# MITIGATION PROJECT ROADMAP - WATER

## 2021

Initiation of Anna's Retreat Waterline Extension Ph. 2 (HUD)  
Initiation of Smith Bay & Frydendahl Waterline Extension (HUD)

## 2023

Initiation of Richmond East Waterline Rehabilitation (FEMA)  
Initiation of Concordia to Kingshill WL Rehabilitation (FEMA)  
Initiation of Richmond to Concordia WL Rehabilitation (FEMA)  
Initiation of Contentment to Kingshill WL Rehabilitation (FEMA)  
Initiation of Kingshill West Waterline Rehabilitation (FEMA)  
Initiation of Kingshill East Waterline Rehabilitation (FEMA)  
Completion of Anna's Retreat Waterline Extension Ph. 2 (HUD)  
Completion of Smith Bay & Frydendahl WL Extension (HUD)

## 2025

Completion of Richmond East WL Rehabilitation (FEMA)  
Completion of Concordia to Kingshill WL Rehab. (FEMA)  
Completion of Richmond to Concordia WL Rehab. (FEMA)  
Completion of Contentment to Kingshill WL Rehab. (FEMA)  
Completion of Kingshill West Waterline Rehab. (FEMA)  
Completion of Kingshill East Waterline Rehabilitation (FEMA)

## 2022

Initiation of Wintberg Waterline Extension (HUD)  
Initiation of Nazareth Waterline Extension (HUD)  
Initiation of Slope Stabilization (HUD)  
Initiation of Bolongo Waterline Extension (HUD)  
Initiation of Baron Spot & Strawberry Waterline Extension (HUD)

## 2024

Completion of Wintberg Waterline Extension (HUD)  
Completion of Nazareth Waterline Extension (HUD)  
Completion of Slope Stabilization (HUD)  
Completion of Bolongo Waterline Extension (HUD)  
Completion of Baron Spot & Strawberry Waterline Extension (HUD)



## PROJECT BENEFITS - WATER

**Reliability of  
Service**



**WaterReliability**

**Improved Water  
Quality**



**Improved  
Infrastructure**



**Water System  
Expansion**





## TERRITORY MITIGATION PROJECTS - ELECTRIC



### ■ St. Thomas

- Underground (406)
- Composite Poles (406)
- Substation GIS Projects (406)
- AMI Projects (406)
- Asset GIS/GPS Mapping (Cat F)
- New Generation (HUD)
- Microgrid Project (404)
- Control Centers (406)
- Submarine Transmission Cable (406)



### ■ St. Croix

- Underground (406)
- Composite Poles (406)
- Control Centers (406)
- AMI Projects (406)
- Asset GIS/GPS Mapping (Cat F)
- New Generation (HUD)
- Microgrid Project (404)
- Renewable Energy Project (HUD)



### ■ St. John

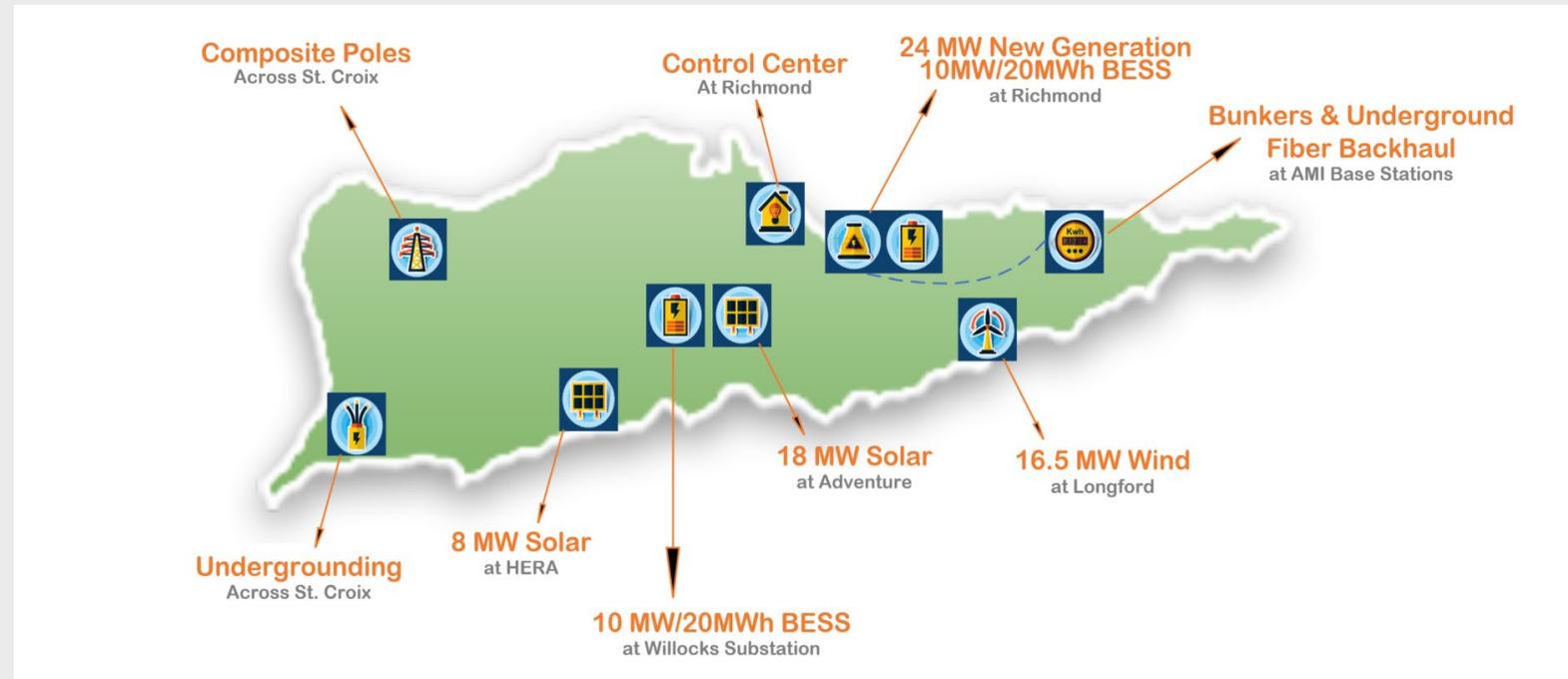
- Underground (406)
- Composite Poles (406)
- Substation GIS Projects (406)
- AMI Projects (406)
- Asset GIS/GPS Mapping (Cat F)
- Emergency Generation (406)
- Microgrid Project (406)



### ■ Water Island

- Composite Poles (406)
- Asset GIS/GPS Mapping (Cat F)
- Microgrid Project (406)

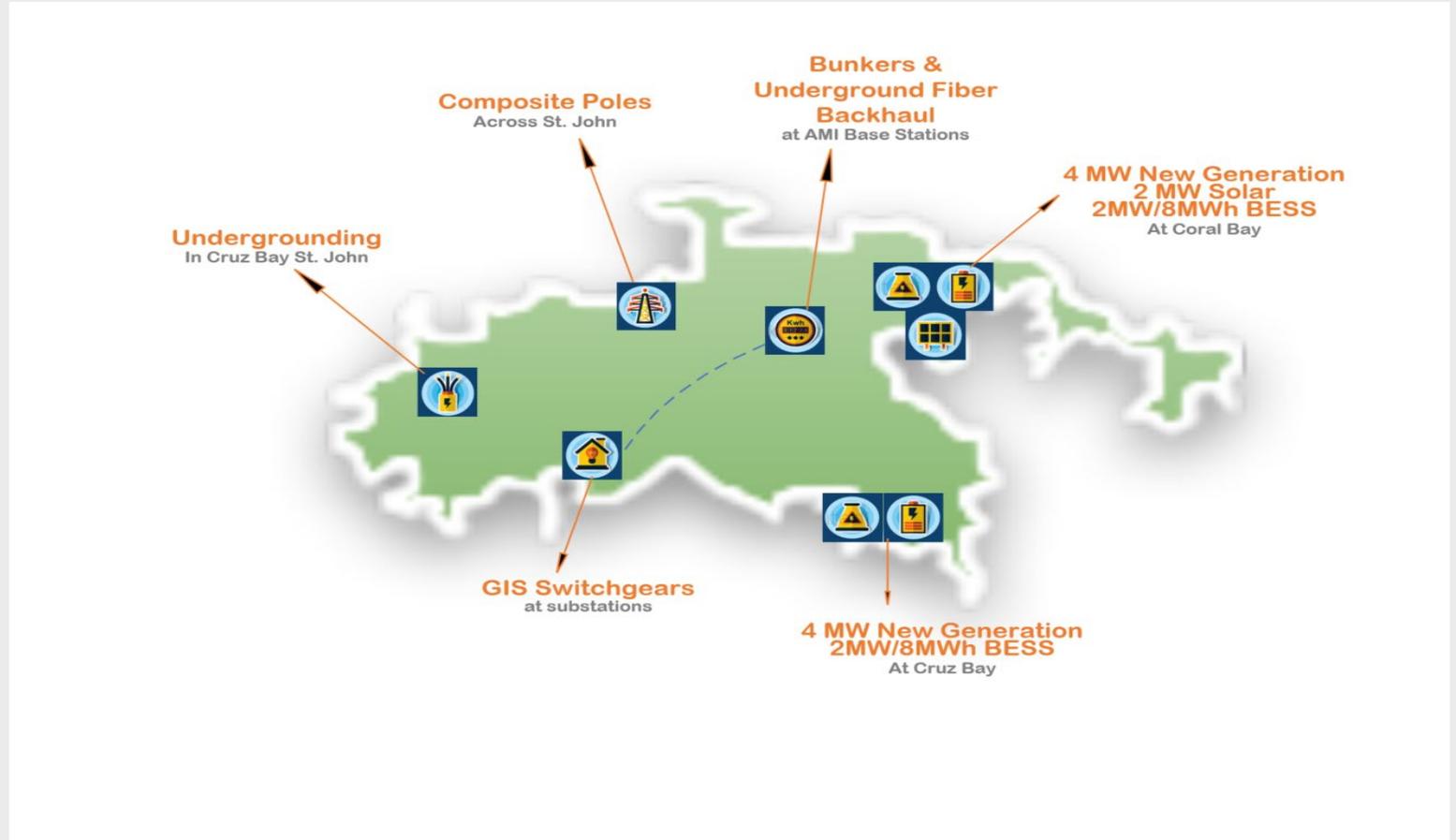
- Installation of new generation at Richmond Power Plant with Battery Storage (HUD)
- Installation of solar generation at Adventure in St. Croix with Battery Storage (404)
- Installation of solar generation at HERA in St. Croix with Battery Storage (HUD)
- Installation of wind generation at Longford with Battery Storage (HUD)
- Underground Installations on all primary transmission & distribution feeders to include critical facilities & underground to over 50% of customers (406)
- Composite Pole installations on all remaining primary and secondary circuits (406)
  - 4,003 on St. Croix
- AMI Project (406):
  - Install concrete bunkers for AMI base stations Underground Fiber Backhaul to Towers
  - Connect more FAPs & AMI collectors
- Construction of Control Centers for Production & T&D operations (406)



## PROJECT OVERVIEW – ST. CROIX



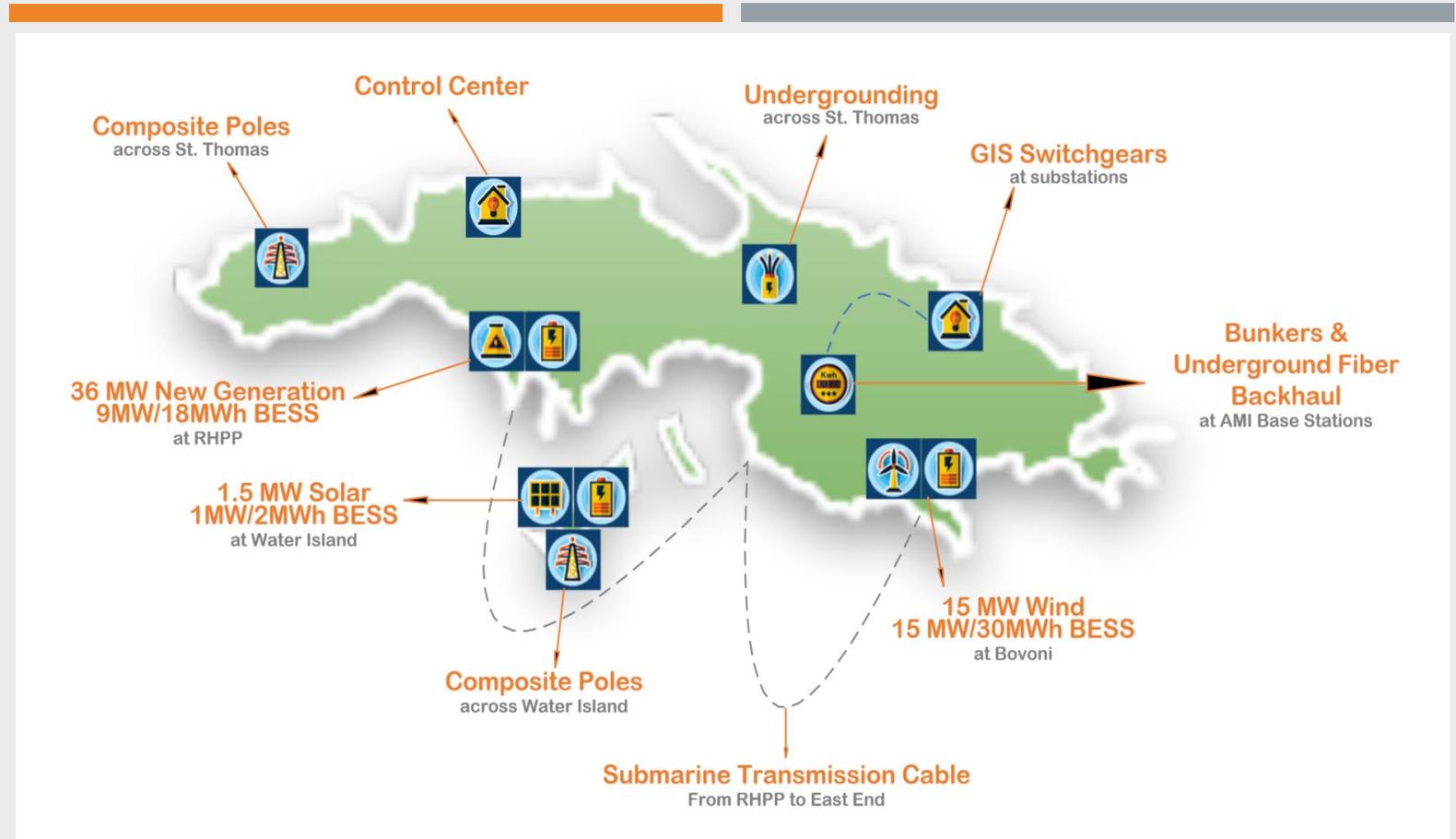
- Installation of two emergency generators in St. John with Battery Storage (406)
- Installation of solar generation in Coral Bay, St. John with Battery Storage (406)
- Gas Insulated Switchgear and emergency generator installations at substation on St. John (406)
- Underground Installations on all primary transmission & distribution feeders to include critical facilities & underground to over 50% of customers (406)
- Composite Pole installations on all remaining primary and secondary circuits (406)
  - 1,960 on St. John
- AMI Project (406):
  - Install concrete bunkers for AMI base stations Underground Fiber Backhaul to Towers
  - Connect more FAPs & AMI collectors



## PROJECT OVERVIEW – ST. JOHN



- Installation of wind generation at Bovoni with Battery Storage (404)
- Installation of new generation at the Randolph Harley Power Plant with Battery Storage (HUD)
- Installation of solar generation on Water Island with Battery Storage (406)
- Underground Installations on all primary transmission & distribution feeders to include critical facilities & underground to over 50% of customers (406)
- Composite Pole installations on all remaining primary and secondary circuits (406)
  - 2,333 poles on St. Thomas
  - 200 on Water Island
- Gas Insulated Switchgear and emergency generator installations at substations on St. Thomas and St. John (406)
  - Tutu, DCF, East End & St. John Substations
- AMI Project (406):
  - Install concrete bunkers for AMI base stations Underground Fiber Backhaul to Towers
  - Connect more FAPs & AMI collectors
- Construction of Control Centers for Production & T&D operations (406)



## PROJECT OVERVIEW – ST. THOMAS & WATER ISLAND





# ST. CROIX COMPOSITE POLES





# ST. JOHN COMPOSITE POLES



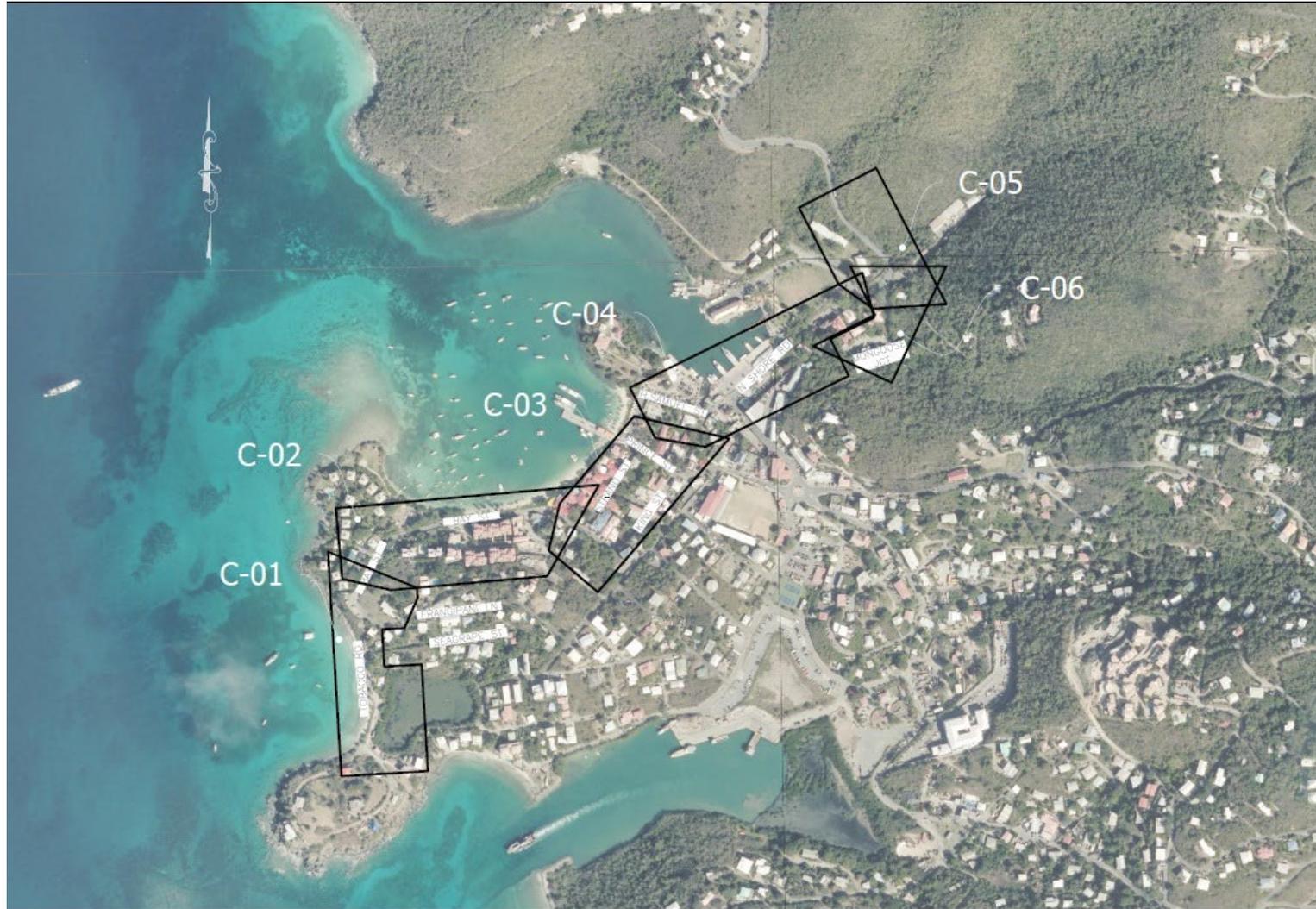


# ST. THOMAS/WATER ISLAND COMPOSITE POLES



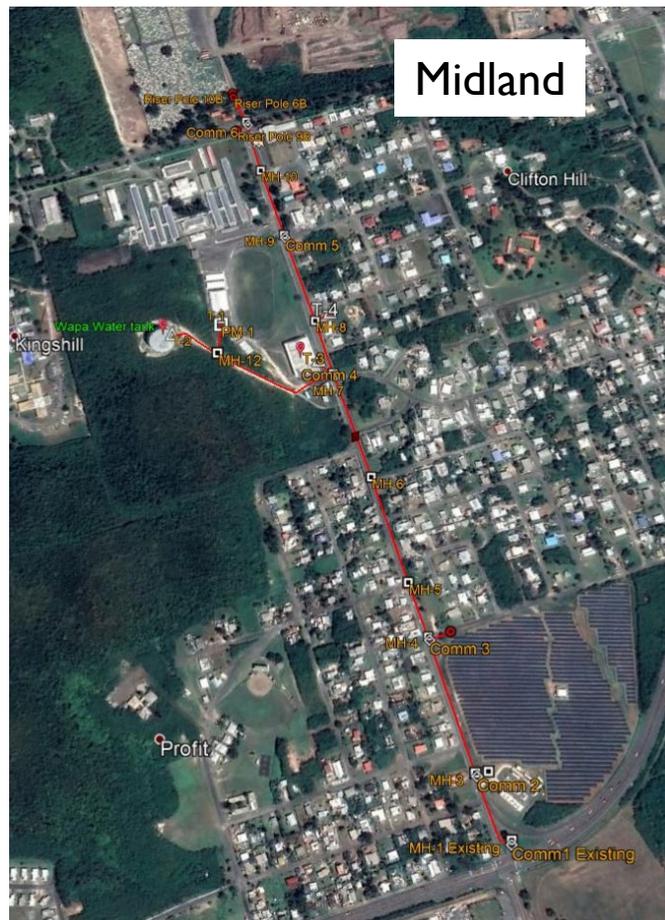


# ST. JOHN UNDERGROUND (FEEDER 7E)



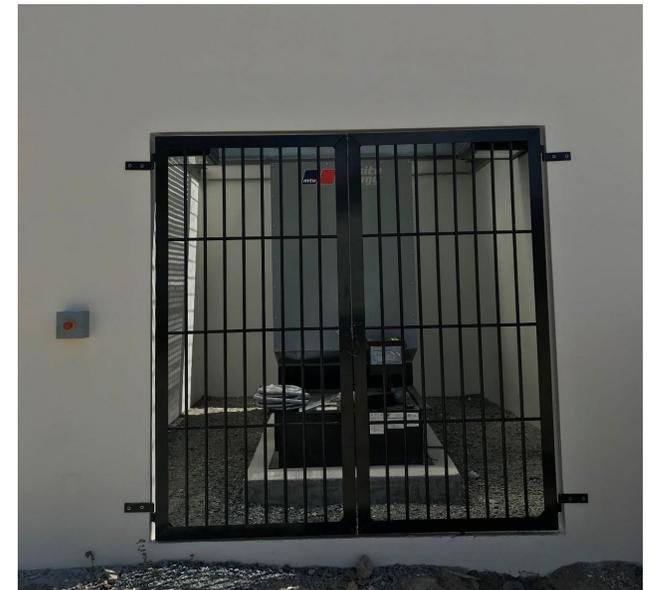


# ST. CROIX UNDERGROUND



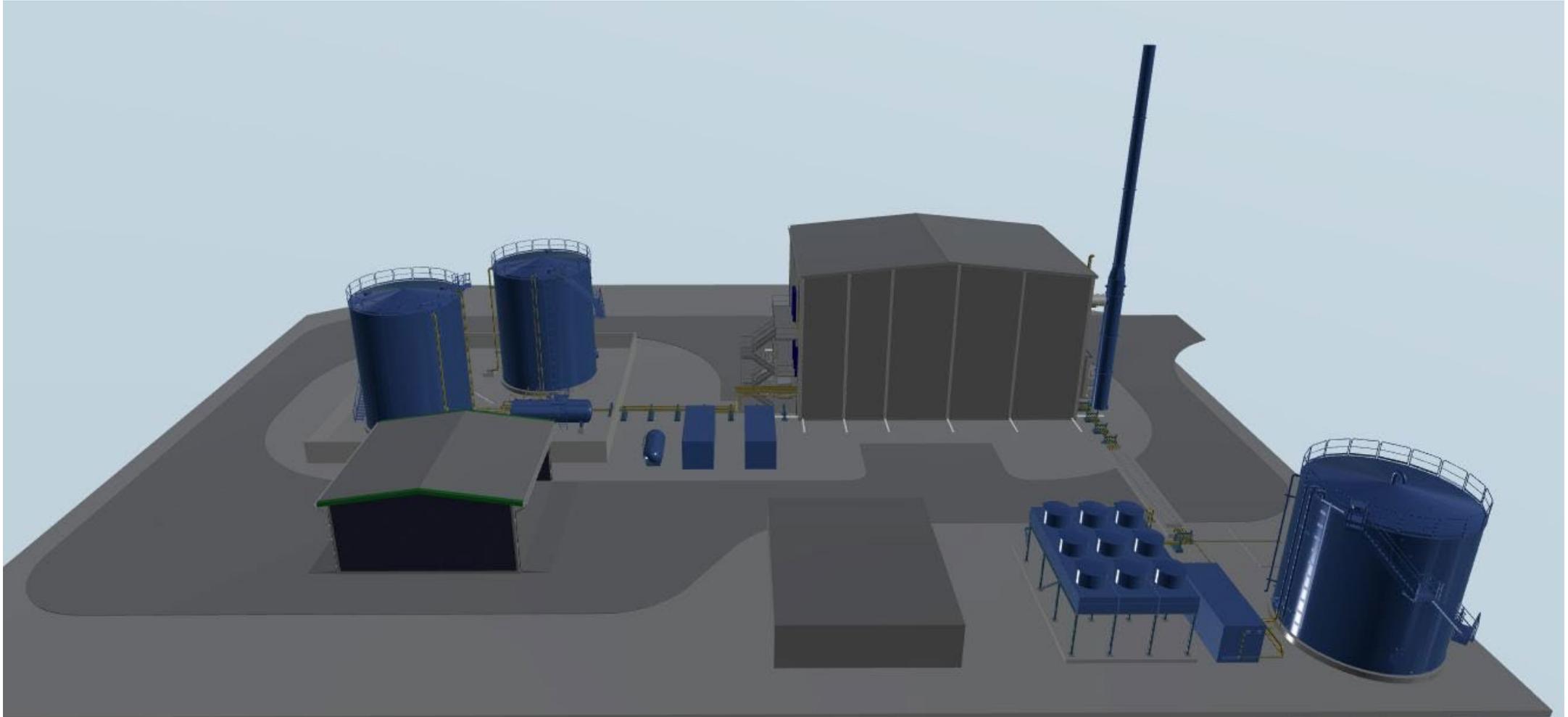


# ST. THOMAS EAST END SUBSTATION





# ST. JOHN EMERGENCY GENERATORS





# ST. THOMAS HARLEY GENERATORS



WARTSILA W34 Testrun

W34 Engine V Outside: -10.3 °C Sea: 6.2 °C 02/03/2021 13:28:44 Vaasa DCV  
 Cell 11 PAAE331450 RHPP New Generation (WAPA Ph 2) User: Guest

Engine Fuel Gas system Lube oil Cooling Exh gas Start air Bar graph Cyl press Knocking Unic Report Trend

495 °C	Exhaust gas temp turbo B inlet	62 °C	Lube oil temp, engine inlet	84 °C	HT temp, engine inlet	39 °C	LT temp, engine inlet	0.0 bar	FO rail press, A-bank DE
297 °C	Exhaust gas temp turbo B outlet			92 °C	HT temp, engine outlet	0 °C	LT temp, LOC outlet	0.0 bar	FO rail press, A-bank FE
23050 rpm	Turbo B speed			49 °C	Charge air temp, CAC outlet				

B10	B9	B8	B7	B6	B5	B4	B3	B2	B1
424	422	419	421	417	421	423	422	418	422
107	106	106	104	107	103	102	102	103	101
111	107	110	109	104	108	107	108	108	108
77	76	77	77	77	77	77	77	77	77
82	86	88	87	86	86	89	88	89	87
79	79	80	79	79	79	79	80	79	79
104	105	102	101	103	109	103	105	104	106
111	111	108	108	111	110	105	111	114	115
417	416	420	417	421	416	433	422	416	418
A10	A9	A8	A7	A6	A5	A4	A3	A2	A1

Winding L1: 48 °C  
 Winding L2: 49 °C  
 Winding L3: 48 °C

Bearing D: 51 °C  
 Bearing ND: 48 °C

0 ddeg Global MFI timing, gas  
 0 us Global MFI demand gas  
 0.0 deg Global PFI timing  
 0 us Global PFI demand

719 rpm Engine speed  
 9427 kW Gen active power  
 13.802 kV Gen voltage  
 399 A Gen current

23110 rpm	Turbo A speed	3.5 bar	HT press, engine inlet	4.8 bar	LO press, engine inlet	10 °C	Ambient temperature
302 °C	Exhaust gas temp turbo A outlet	0.0 bar	Fuel oil press, engine inlet	0.0 bar	LT water press, engine inlet	2.7 bar	Lube oil press, TC A
							15 % Ambient humidity

RHPP NEW GENERATION - PCT-20210203\_065840-Meeting Recording



# MITIGATION PROJECT ROADMAP – ELECTRIC SYSTEMS

## 2020

Initiation of Harley Generation Expansion (HUD)  
Completion of East End Sub Phase I (406)

## 2022

Initiation of Bovoni Microgrid Project– STT (404)  
Initiation of STX Microgrid Project- STX (404)  
Continuation of Underground Projects – STT, STX, STJ (406)  
Completion of Harley Generation Expansion Project (HUD)  
Completion of Engineering St. John Emergency Generator Project (406)  
Completion of Donald Francois GIS Project (406)  
Completion Substations Emergency Generator Project – STT (406)

## 2024

Continuation of Underground Projects – STT, STX (406)  
Completion of Bovoni Microgrid Project–STT (404)  
Completion of Longford Wind Project – STX (HUD)  
Completion of St. John Microgrid Project (406)  
Completion of St. Croix Microgrid Project- STX (404)  
Completion of Richmond Expansion Project (HUD)

## 2021

Initiation of Submarine Cable Project – STT (406)  
Initiation of Donald Francois GIS Project- STT (406)  
Initiation of Underground – STT, STX, STJ (406)  
Initiation of GIS/GPS Post Storm Mapping Project (406)  
Initiation of Underground Projects – STT, STX, STJ (406)  
Continuation of Composite Pole Project- STT, STX, STJ (406)  
Completion of St. John Power Transformer Replacement (406)  
Completion Substations Emergency Generator Project – STT (406)  
Completion of East End GIS Project Phase II (406)

## 2023

Initiation of Richmond Generation Expansion Project (HUD)  
Initiation of Longford Wind Project –STX (HUD)  
Completion of St. John Underground Project (406)  
Continuation of Underground Projects – STT, STX (406)  
Completion of GIS/GPS Post Storm Mapping Project (406)  
Continuation of Underground Projects – STT, STX, STJ (406)



# PROJECT BENEFITS – ELECTRIC SYSTEMS

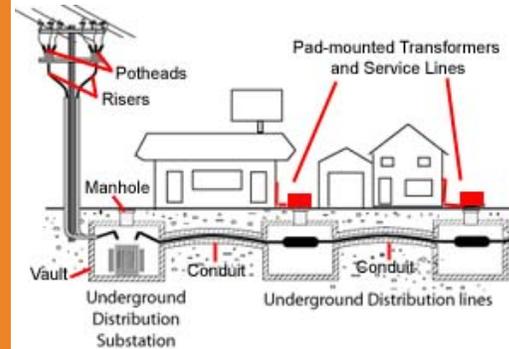
## Reliability of Service



## Reduced Cost of Energy



## Reinforced Infrastructure



## Renewable Energy



# THANK YOU!

THE AUTHORITY APPRECIATES HAVING BEEN GIVEN THE OPPORTUNITY TO TESTIFY ON ITS PROGRESS AND THE CHALLENGES IT FACES AS WE STRIVE TOWARDS CONTINUOUS IMPROVEMENT TO PROVIDE THE BEST AND MOST RELIABLE SERVICE FOR OUR CUSTOMERS. THE TEAM AND I AM AVAILABLE TO ANSWER ANY QUESTIONS THAT YOU MAY HAVE.

# APPENDIX



# OUTSTANDING VENDOR BALANCES

Vendor Name	Vendor No.	Funding Source	Outstanding Invoices	Invoices Under Review	Total Amount Paid	Outstanding Balance
AMERICAN WIRE GROUP	11685	FEMA	332,610.74	1,775,748.00	24,388,705.37	2,108,358.74
ASYSHAH D SMITH-FRANCIS	11637	FEMA	110.00		650.00	110.00
BARKLEY TECHNOLOGIES, INC.	11883	FEMA	7,600.00		1,550,763.34	7,600.00
BBC ELECTRICAL SERVICES	11689	FEMA	19,212,253.75	399,120.95	104,135,636.89	19,611,374.70
BLISS BULLY II	12041	FEMA	3,846.16		36,536.34	3,846.16
BOB LYNCH TRUCKING AND SHIPPING	644		1,784.19		4,202.18	1,784.19
CARLOS MARTINEZ ECHEVARRIA	12039	FEMA	900.00		-	900.00
CROWLEY LOGISTICS, INC.	10646	FEMA	35,700.00		14,691.44	35,700.00
DAVICA I.T. BRATHWAITE	12042		2,115.38		44,422.26	2,115.38
ELECTRIC SUPPLY OF TAMPA	6558	FEMA	135,136.25		20,411,665.99	135,136.25
FABIEN'S TRUCKING	10379	FEMA	91,413.75		1,082,335.89	91,413.75
FERROL TRUCKING SERVICES, INC.	2505	FEMA	1,515.00		65,374.40	1,515.00
FX BONNES ASSOCIATES, INC.	106	FEMA	238,722.31		289,694.70	238,722.31
GARY TURNBULL	9752		15.00		1,605.00	15.00
GEOGRAPHIC CONSULTING, INC.	11931	FEMA	19,500.00		143,500.00	19,500.00
HAUGLAND ENERGRY GROUP LLC	11690	FEMA	83,030,052.45		574,158,133.18	83,030,052.45
HAUGLAND VIRGIN ISLANDS	12052	FEMA	7,512,339.86		10,793,392.58	7,512,339.86
HEAVY MATERIALS LLC (PLANT)	10857	FEMA	1,849.05		-	1,849.05
JUAN VELEZ	11500	FEMA	855.00		3,670.00	855.00
KAMI METALS, LLC	11272	FEMA	5,306,363.15		6,535,131.16	5,306,363.15
KENIE MACTAVIOUS	11136		15.00		120.00	15.00
LEIDOS, SAIC ENERGY, ENVIRONMENT & INFRASTRU	11084	FEMA	137,511.00		1,402,767.08	137,511.00
LEON RICHARDSON	10176	FEMA	630.00		3,395.00	630.00
LIFT-IT MANUFACTURING CO. INC.	11295	FEMA	26,223.00		-	26,223.00
MAKEIDA A FREEMAN	12079		1,384.61		17,082.70	1,384.61
MARCO ST. CROIX INC.	10600	FEMA	68,000.00		424,360.46	68,000.00
MICHAEL A. WILLIAMS	11165	FEMA	740.00		3,245.00	740.00
MITCHEA SMALLS	12080		2,307.70		27,144.28	2,307.70
NATALIA HILL	12043		2,307.70		48,461.47	2,307.70
NORMA H II	10748	FEMA	335.00		7,839.15	335.00
PECO INTERNATIONAL ELECTRIC, INC.	233	FEMA	1,188,161.77		27,273,490.69	1,188,161.77
ROY FREELAND	10337		27.00		1,200.00	27.00
SALEE FENCING & LANDSCAPING	11508	FEMA	1,600.00		-	1,600.00
SPECIAL SPACES INC.	11749		2.00		57,999.00	2.00
SULZER TURBO SERVICES	9929	FEMA	124,825.18		-	124,825.18
TRIDENT INDUSTRIES	11948	FEMA	1,345,600.00		2,592,774.50	1,345,600.00
TROPICAL SHIPPING CO. LTD.	708	FEMA	11,445.60	30,648.00	3,698,026.21	42,093.60
TTI-PEAK, LLC	11716	FEMA	18,093.00		268,054.00	18,093.00
VAUGHN PETERSEN	10879	FEMA	885.00		3,230.00	885.00
VI BUREAU OF INTERNAL REVENUE OF GROSS RECE	8067	FEMA	8,582,588.86		32,684,607.76	8,582,588.86
			-			-
			\$ 127,447,364.46	\$ 2,205,516.95	\$ 861,908,153.64	\$ 129,652,881.41