

GOBIERNO DE PUERTO RICO
JUNTA REGLAMENTADORA DE SERVICIO PÚBLICO
NEGOCIADO DE ENERGÍA DE PUERTO RICO

| |
|---|
| NEPR Received: Nov 30, 2020 11:12 PM |
|---|

IN RE: SOLICITUD DE PROPUESTAS
PARA GENERACION TEMPORERA DE
EMERGENCIA

CASO NÚM.:
NEPR-AP-2020-0001

ASUNTO:
Reporte de Estatus y Progreso

**MOCIÓN PARA PRESENTAR REPORTE DE ESTATUS Y
PROGRESO EN CUMPLIMIENTO DE ORDEN**

AL HONORABLE NEGOCIADO DE ENERGÍA:

COMPARECE la Autoridad de Energía Eléctrica de Puerto Rico a través de su representación legal y, en cumplimiento con la Orden del 22 de mayo del 2020,¹ presenta a el Negociado de Energía de la Junta Reglamentadora del Servicio Público (el “Negociado de Energía” o “Negociado”) el reporte titulado *Costa Sur Damage Assessment and Repairs Progress Status Report* fechado 30 de noviembre de 2020 (el “Reporte de Progreso”). Exhibit A. El Reporte de Progreso detalla las evaluaciones, reparaciones, compras y contrataciones relacionadas con la reparación de las unidades 5 y 6 de la Central Costa Sur.

RESPETUOSAMENTE SOMETIDO.

En San Juan, Puerto Rico, este 30 de noviembre de 2020.

/s/ Katuska Bolaños Lugo
Katuska Bolaños Lugo
kbolanos@diazvaz.law
TSPR 18,888

¹ *Resolución y Orden* del Negociado de Energía del 22 de mayo del 2020 (la “Orden del 22 de mayo”).

DÍAZ & VÁZQUEZ LAW FIRM, P.S.C.
290 Jesús T. Piñero Ave.
Oriental Tower, Suite 1105
San Juan, PR 00918
Tel. (787) 395-7133
Fax. (787) 497-9664

CERTIFICADO DE NOTIFICACIÓN

Certifico que en el día de hoy he radicado esta moción utilizando el sistema electrónico de radicación del Negociado de Energía en la siguiente dirección: <http://radicacion.energia.pr.gov> y, además, que he enviado copia de cortesía vía correo electrónico a rstgo2@gmail.com; rolando@bufeteemmanuelli.com; jessica@bufete-emmanuelli.com; notificaciones@bufete-emmanuelli.com; pedrosaade5@gmail.com; larroyo@earthjustice.org.

En San Juan, Puerto Rico, a 30 de noviembre de 2020.

s/ Katuska Bolaños Lugo
Katuska Bolaños Lugo

Exhibit A

*Costa Sur Damage Assessment and Repairs Progress Status Report
November 30, 2020*



**Puerto Rico
Electric Power
Authority**

Puerto Rico Electric Power Authority (PREPA)

**Costa Sur Damage Assessment and Repairs
Progress Status Report
November 30, 2020**

Introduction and Outline

Introduction

- This report outlines PREPA’s progress in its assessment, repairs, and procurement activities related to the start-up of Costa Sur Unit 5 and Unit 6

| Report Outline | Page # |
|---|--------|
| ▪ Program Overview..... | 3 |
| ▪ Unit 5 Start-Up Status Overview..... | 5 |
| ▪ Unit 5 Start-Up Project Summary by Initiatives..... | 6 |
| ▪ Unit 5 Start-Up Procurements Awarded..... | 7 |
| ▪ Unit 6 Start-Up Status Overview..... | 14 |
| ▪ Unit 6 Start-Up Project Summary by Workstream..... | 15 |
| ▪ Unit 6 Start-Up Procurement Pipeline..... | 18 |
| ▪ Unit 6 Start-Up Procurements Awarded..... | 19 |
| ▪ Appendix..... | 23 |



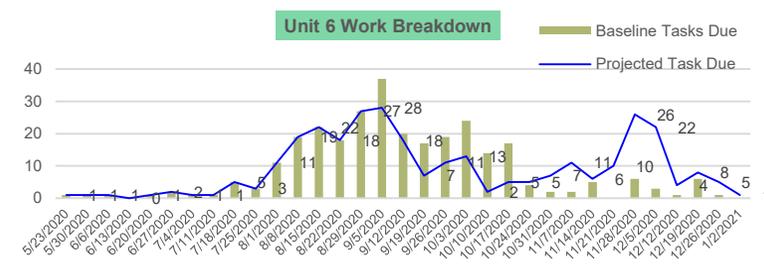
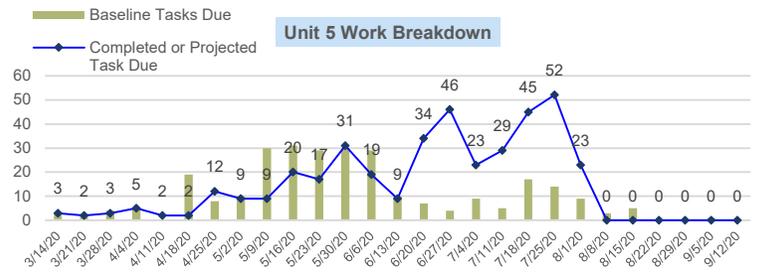
Program Overview – Unit 5 & 6 Start-Up Activities

| Budget | |
|---|---------------------|
| Approved Budget for Program | \$40,200,000 |
| Forecast Cost for Program (subject to change) | \$40,516,153 |
| Unit 5 Start-Up | |
| A. Budget Baseline | \$25,200,000 |
| B. Total Forecast Cost | \$18,845,734 |
| C. Total Amount Invoiced (Contractors) | \$13,395,023 |
| D. PREPA Expenses (Time & Materials) | \$4,128,360 |
| E. Total Expenses (C+D) | \$17,523,383 |
| F. Total Disbursements | \$15,120,014 |
| Unit 6 Start-Up | |
| G. Budget Baseline | \$19,078,286 |
| H. Total Forecast Cost | \$21,670,419 |
| I. Total Amount Invoiced (Contractors) | \$8,450,454 |
| J. PREPA Expenses (Time & Materials) | \$381,957 |
| K. Total Expenses (I+J) | \$8,832,411 |
| L. Total Disbursements | \$3,606,624 |

| Procurement | | | |
|--|---------------------------------------|---|---|
| 107 Total Procurements | 20 Total Emergency Procurements | \$30.3M Total Amount Contracts Awarded | 96.2% % Total Procurements Completed |
| Unit 5 Start-Up | | Unit 6 Start-Up | |
| 62 U5 Total Procurements | 14 U5 Emergency Procurements | 45 U6 Total Procurements | 6 U6 Emergency Procurements |
| \$14.7M U5 Amount Contracts Awarded | 100.0% U5 % Procurements Completed | \$15.6M U6 Amount Contracts Awarded | 91.0% U6 % Procurements Completed |

| Schedule | | | |
|---------------------------------|------------------------------|--------------------------------|--------------------------------|
| Unit 5 Start-Up | | Unit 6 Start-Up | |
| 3/23/2020 Repairs Start Date | 8/1/2020 U5 Start-Up Date | 6/1/2020 Repairs Start Date | 12/23/2020 U6 Start-Up Date |
| 100.0% Time Elapsed | 100.0% % Completion | 85.8% Time Elapsed | 84.0% % Completion |
| 401 Total Completed Tasks | 0 Pending Tasks On-Track | 236 Total Completed Tasks | 13 Pending Tasks On-Track |
| 0 Pending Tasks Delayed | 0 Pending Tasks Overdue | 50 Pending Tasks Delayed | 7 Pending Tasks Overdue |

| Scope | | | |
|--|--------------------------------------|------------------------------------|--------------------------------------|
| Unit 5 Start-Up | | Unit 6 Start-Up | |
| 55** Workstreams Identified | 55 Workstreams at 100% Completion | 27 Workstreams Identified | 15 Workstreams at 100% Completion |
| Weekly Headcount (Maximum)* | | | |
| 121* PREPA's Max Weekly Headcount | | 218* Max Total Weekly Headcount | |
| 97* Contractor's Max Weekly Headcount | | | |



| Resource Breakdown | Headcount* |
|-----------------------------|------------|
| PREPA PMO | 2 |
| PREPA Costa Sur | 68 |
| PREPA Loan Employees | 51 |
| PREPA Electric Conservation | 0 |
| Alonso & Carus | 8 |
| Brand | 10 |
| CHED | 4 |
| Energys | 8 |
| Ensya | 0 |
| ESI | 6 |
| GE Fieldcore | 24 |
| JC Mechanical | 0 |
| JR Insulation | 34 |
| LT Automation | 3 |
| MD&A | 0 |
| Total | 218 |

* Maximum weekly headcount based on week starting on 11/25/2020
 ** Workstreams not associated with Unit 5 start-up activities were moved to either Unit 6 start-up schedule or under long-term repairs



Unit 5 Status Overview

Unit 5 Status Overview

100.0%
% Completion

100.0%
Time Elapsed

Management Notes:

- Unit successfully delivered for commercial operations on 8/1/2020 (14 days ahead of schedule baseline date of 8/14)
- Total cost associated with Unit 5 repairs is approximately \$18.8M (\$6.4M below the budget baseline submitted)
- The PMO team continues to review the forecast cost for project closeout and adjust as needed. For this cycle, one contract in the procurement table was removed from the cost projection

Key Project Metrics

1/7/2020
Outage Date

3/23/2020
Repairs Start Date

\$25.2M
Budget Baseline

8/1/2020*
U5 Start-Up Date

8/1/2020*
Project End Date

\$18.8M*
Forecast Expenses

Schedule Metrics

| Metric | # | % |
|-------------------------|-----|--------|
| Scheduled Tasks | 401 | - |
| Completed Tasks | 401 | 100.0% |
| Pending Task (On-Track) | 0 | 0.0% |
| Pending Task (Delayed) | 0 | 0.0% |
| Pending Task (Overdue) | 0 | 0.0% |

0
Pending Tasks
Due in July

0
Pending Tasks
Due in August

0
Pending Tasks
Due in September

Scope Metrics

55
Identified
Workstreams***

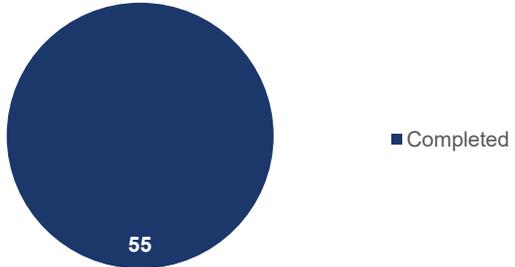
55
Workstreams at
100% Completion

100.0%
% of Workstreams
Completed

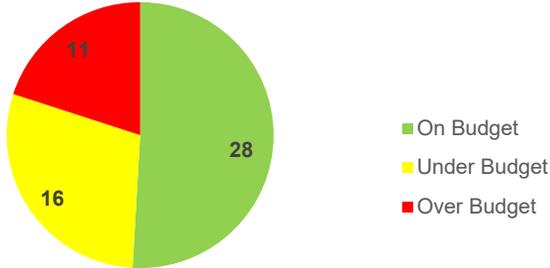
Financial Metrics

| | |
|---------------------------------|---------------------|
| A. Budget Baseline | \$25,200,000 |
| Expenses | |
| B. Total Forecast Cost* | \$18,845,734 |
| C. Total Amount Invoiced | \$13,395,023 |
| D. PREPA Related Expenses** | \$4,128,360 |
| F. Total Expenses (C+D) | \$17,523,383 |
| Balances | |
| G. Balance Available (A-F) | \$7,676,617 |
| H. Forecast Balance (A-B)* | \$6,354,266 |
| Disbursements | |
| I. Total Disbursements | \$15,120,014 |
| J. % of YTD Expenses Paid (I/F) | 86.3% |

Schedule



Budget



Max Weekly Headcount

0
PREPA's Max Weekly
Headcount

0
Contractor's Max Weekly
Headcount

0
Total Weekly Max
Headcount

* Excludes repairs not needed for start-up such as new Administrative and Laboratory buildings and concrete repairs discharge channel

** Includes expenses related to PREPA's labor and warehouse materials

*** 7 Workstreams not associated with Unit 5 start-up activities were moved to either Unit 6 start-up schedule or under long-term repairs



Summary by Initiative

| Initiative Description | # Workstreams | % Completion | Pending Tasks | Finish Date | Budget Baseline | Total Forecast Amount | Total Committed | Total Invoices | Total Disbursements |
|---|---------------|--------------|---------------|-------------|---------------------|-----------------------|---------------------|---------------------|---------------------|
| 01. Emergency Declaration | 1 | 100% | 0 | 3/23/2020 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 02. Engineering, Technical Studies & Inspection* | 11 | 100% | 0 | 7/29/2020 | \$2,238,171 | \$2,190,855 | \$2,131,939 | \$1,906,175 | \$1,425,527 |
| 03. Asbestos Removal and Disposal Unit 5 | 1 | 100% | 0 | 7/20/2020 | \$199,000 | \$0 | \$199,000 | \$0 | \$0 |
| 04. Lead Removal Works Unit 5 | 1 | 100% | 0 | 7/4/2020 | \$1,111,843 | \$209,969 | \$1,018,268 | \$204,400 | \$18,225 |
| 05. Structural Repair Works Unit 5 | 3 | 100% | 0 | 7/20/2020 | \$3,431,193 | \$2,083,193 | \$2,083,193 | \$2,668,538 | \$2,282,407 |
| 06. Condensate Water Tank 5 Repairs | 2 | 100% | 0 | 7/23/2020 | \$970,800 | \$712,930 | \$712,930 | \$709,510 | \$583,114 |
| 07. Boiler Unit 5 Repair Works | 9 | 100% | 0 | 7/24/2020 | \$4,555,230 | \$2,729,057 | \$3,092,567 | \$2,250,492 | \$2,066,154 |
| 08. Auxiliary Equipment Inspection and Repair | 9 | 100% | 0 | 8/1/2020 | \$4,659,436 | \$3,518,413 | \$3,705,023 | \$3,257,288 | \$3,190,316 |
| 09. Turbine Inspection and Repairs | 1 | 100% | 0 | 7/23/2020 | \$0 | \$193,110 | \$193,110 | \$193,110 | \$183,116 |
| 10. Generator Inspection and Repairs | 1 | 100% | 0 | 7/28/2020 | \$0 | \$75,078 | \$379,500 | \$75,078 | \$54,000 |
| 11. Operational Test and Control Tasks | 5 | 100% | 0 | 7/28/2020 | \$144,000 | \$0 | \$0 | \$0 | \$0 |
| 12. Unit 5 Startup and Commissioning | 1 | 100% | 0 | 8/1/2020 | \$72,000 | \$0 | \$0 | \$0 | \$0 |
| 13. Civil Repair and Other Areas Reconstruction | 7 | 100% | 0 | 7/27/2020 | \$495,865 | \$694,555 | \$694,555 | \$471,780 | \$433,755 |
| 14. Inspections and Tests MPT | 3 | 100% | 0 | 8/1/2020 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 15. Supplementary Tasks, Future Works & Misc. | 7 | 91% | 6 | 3/8/2021 | \$7,306,755 | \$2,743,929 | \$2,878,369 | \$1,658,653 | \$1,188,756 |
| 16. Operation Expenses (Payroll, Materials, etc.)** | - | - | 0 | 8/1/2020 | \$0 | \$3,694,645 | \$3,694,645 | \$0 | \$3,694,645 |
| | | | | | \$25,184,292 | \$18,845,734 | \$20,783,100 | \$13,395,023 | \$15,120,014 |

* Includes PREPA expenses related to Program Management Office (PMO)

** Includes expenses related to PREPA's craft labor and warehouse materials



Unit 5 Procurement Plan - Awarded

The following table outlines the procurements awarded with new or existing contracts to support Costa Sur Assessment & Repairs:

| # | Procurement Description | Procurement Type* | Cost | Associated Workstream # | Contract # | Contractor Name |
|----|---|-----------------------|-----------|-------------------------|------------|-------------------------------|
| 1 | MPT 4 Secondary Containment Repair Works | Emergency Procurement | \$38,783 | 48 | 86581 | 5 SENSES SOLUTIONS LLC. |
| 2 | MPT 5 Secondary Containment Repair Works | Emergency Procurement | \$17,480 | 57 | 86581 | 5 SENSES SOLUTIONS LLC. |
| 3 | Removal and Mitigation of Contaminated Soil Switchyard 115 kV | Emergency Procurement | \$19,928 | 59 | 86716 | 5 SENSES SOLUTIONS LLC. |
| 4 | Cleaning Main Turbine Oil Cooler (MOT) | | \$9,994 | 62 | 87392 | 5 SENSES SOLUTIONS LLC. |
| 5 | Project Management and Data Analytics Support | Other | \$131,742 | 11 | 87670 | ACUMENIAN LLC |
| 6 | A/C units duct fabrication | | \$5,380 | MISC | 87147 | AIT TECHNOLOGIES INC |
| 7 | A/C equipment and duct cleaning | | \$86,595 | 19 | 86734 | AIT TECHNOLOGIES INC |
| 8 | Natural Gas Line Pipe Structural Repair Works | Emergency Procurement | \$908,000 | 47 | 86823 | ALL CONTRACTORS SERVICES CORP |
| 9 | Trailer for Costa Sur Repairs | | \$78,325 | 54 | 86814 | ALL CONTRACTORS SERVICES CORP |
| 10 | Temporary Laboratory Offices (Rental - 12 Months) | Emergency Procurement | \$76,275 | 53 | 87245 | ALL CONTRACTORS SERVICES CORP |
| 11 | Temporary Administrative Offices (Rental - 12 Months) | Emergency Procurement | \$182,475 | 54 | 86552 | ALL CONTRACTORS SERVICES CORP |

* Note: Service Upon Request Agreements refers to agreements that PREPA has in place to be used in the event that a need arises from one of the plants within the specified scope. Cost associated with these contracts are only a fraction of the total contract amount.



Unit 5 Procurement Plan – Awarded (Cont'd)

The following table outlines the procurements awarded with new or existing contracts to support Costa Sur Assessment & Repairs:

| # | Procurement Description | Procurement Type* | Cost | Associated Workstream # | Contract # | Contractor Name |
|----|---|--------------------------------|-------------|-------------------------|------------|----------------------------------|
| 12 | Civil Works Control Room 5-6, Compressor Room, Shift Engineer Room | Emergency Procurement | \$413,827 | 26-29 | 86653 | ALL CONTRACTORS SERVICES CORP |
| 13 | Crane Rental of 150 tons and 230 feet | | \$218,300 | MISC | 82754 | ALL CONTRACTORS SERVICES CORP |
| 14 | Turbine Oil Flush | | \$183,116 | 62 | 80175 | ALLIED POWER TECHNOLOGIES |
| 15 | NDT Services Unit 5 | Emergency Procurement | \$36,485 | 32 | 86678 | ALONSO CARUS IRON WORKS INC |
| 16 | Opacity Meter Purchase | | \$66,971 | 43 | 84994 | AP EQUIPMENT INC / LT AUTOMATION |
| 17 | Scaffolding Services | Service Upon Request Agreement | \$287,826 | 65 | 84611 | BRAND ENERGY INFRASTRUCTURE |
| 18 | Superheater-Desuperheat Link Piping Installation U. 5 | | \$1,766,429 | 30 | 86214 | CARIBE GE INTERNATIONAL ENERGY |
| 19 | Structural Repairs Unit 1-6 | Request for Quotes (RFQs) | \$2,652,000 | 13-17 | 86331 | CARIBE GE INTERNATIONAL ENERGY |
| 20 | Exterior mechanical inspection of the condition of the boilers | Service Upon Request Agreement | \$83,170 | 1 | 83998 | CARIBE GE INTERNATIONAL ENERGY |
| 21 | Preliminary Inspection and Steel Structural Elements for Boilers and Auxiliary Equipment (units 3-6) and Preliminary Visual Inspection of Steam Piping and Equipment and Structural Supports. | Service Upon Request Agreement | \$360,275 | 2 | 84002 | CARIBE GE INTERNATIONAL ENERGY |
| 22 | Interior mechanical inspection of the condition of the boilers Units 5 and 6 | Service Upon Request Agreement | \$100,630 | 7 | 83998 | CARIBE GE INTERNATIONAL ENERGY |
| 23 | Asbestos Removal & Disposal Works Unit 5 | Emergency Procurement | \$0 | 12A | 86559 | Caribe Hydroblasting |

* Note: Service Upon Request Agreements refers to agreements that PREPA has in place to be used in the event that a need arises from one of the plants within the specified scope. Cost associated with these contracts are only a fraction of the total contract amount.



Unit 5 Procurement Plan – Awarded (Cont'd)

The following table outlines the procurements awarded with new or existing contracts to support Costa Sur Assessment & Repairs:

| # | Procurement Description | Procurement Type* | Cost | Associated Workstream # | Contract # | Contractor Name |
|----|--|--------------------------------|-----------|-------------------------|------------|--------------------------------|
| 24 | Vacuum Pump Motor Repairs | | \$7,577 | 31 | 87167 | CORTES INDUSTRIAL ORGANIZATION |
| 25 | Project Management Services | Other | \$53,500 | 11 | 84270 | CPM PR LLC |
| 26 | Geotechnical studies for Costa Sur | | \$215,000 | 10 | 86920 | EARTH ENGINEERS INC |
| 27 | Provide post-earthquake geotechnical evaluation of the foundation support of the different structures in the facility | Request for Quotes (RFQs) | \$349,066 | 10 | 86125 | EARTH ENGINEERS INC |
| 28 | Structural Elements Immediate Repair Work to Allow Additional Interior Inspection of the Boilers and Other Equipment of the CSPP | Service Upon Request Agreement | \$68,441 | 5 | 82470 | ENERSYS ENGINEERING CORP |
| 29 | Lead Removal Services | Service Upon Request Agreement | \$18,500 | 4 | 82470 | ENERSYS ENGINEERING CORP |
| 30 | Structural Repair Works Old Condensate Water Tanks A-1-4, B-1-4 (Temporary Connection) | Service Upon Request Agreement | \$220,800 | 20 | 82470 | ENERSYS ENGINEERING CORP |
| 31 | Old Water Condensate Tanks Interconnection Works to Unit 5 Demin Water Cycle System | Service Upon Request Agreement | \$153,000 | 24 | 82470 | ENERSYS ENGINEERING CORP |
| 32 | Structural Repairs Cross Bracings Structure - Overhead Crane 1-6 | Service Upon Request Agreement | \$78,492 | 25 | 82470 | ENERSYS ENGINEERING CORP |
| 33 | Cable tray installation for switchgear equipment | | \$32,258 | MISC | 86961 | ENGINEERING SERVICES |
| 34 | Wall Panel Installation | | \$33,694 | MISC | 87181 | ENGINEERING SERVICES |
| 35 | Deaerator Pump Repairs and Replacement | | \$94,500 | 31 | 83250 | ENGINEERING SERVICES |

* Note: Service Upon Request Agreements refers to agreements that PREPA has in place to be used in the event that a need arises from one of the plants within the specified scope. Cost associated with these contracts are only a fraction of the total contract amount.



Unit 5 Procurement Plan – Awarded (Cont'd)

The following table outlines the procurements awarded with new or existing contracts to support Costa Sur Assessment & Repairs:

| # | Procurement Description | Procurement Type* | Cost | Associated Workstream # | Contract # | Contractor Name |
|----|---|--------------------------------|-----------|-------------------------|-------------|--|
| 36 | Repair Works on Valves (de Línea) Unit 5 | Service Upon Request Agreement | \$178,818 | 33 | 83581 | ENGINEERING SYSTEMS SALES |
| 37 | High Energy and Auxiliary steam and water pipes assessment for units 5 & 6 | | \$152,710 | 42 | 83534 | ENVIRONICS ENGINEERING |
| 38 | Condenser Tube Cleaning | | \$193,325 | 38 | 84907 | ENVIRONICS ENGINEERING |
| 39 | Lead Paint and Asbestos Sampling Analysis | | \$6,425 | 12, 12A | 79564 | Environmental Health & Safety Services |
| 40 | Project Financial Controls Support | | \$45,473 | 11 | 2020-P00087 | FUSIONWORKS |
| 41 | Visual Inspection and Ultrasonic Inspect API 653 | Request for Quotes (RFQs) | \$134,448 | 6 | 85840 | Heisen Global Engineering (HGE) |
| 42 | Condition Survey and Testing for Concrete Pedestals for Power Turbine and Generator Units , 5 and 6 | | \$55,160 | 8 | 85980 | Heisen Global Engineering (HGE) |
| 43 | Design Work - Structural Repairs Condensate Tank 5 & Old Water Condensate tanks | Request for Quotes (RFQs) | \$146,662 | 22 | 86344 | Heisen Global Engineering (HGE) |
| 44 | Structural engineering consulting | | \$213,950 | MISC | 86919 | Heisen Global Engineering (HGE) |
| 45 | Water Treatment Tank 2 Cleaning | | \$0 | 19 | 85153 | INDUCHEM SERVICES |
| 46 | Boiler Hydroblasting | Service Upon Request Agreement | \$58,020 | 19 | 80903 | INDUCHEM SERVICES |
| 47 | Condenser Discharge Tube and Tunnel Cleaning | | \$155,691 | 38 | 81017 | INDUCHEM SERVICES |

* Note: Service Upon Request Agreements refers to agreements that PREPA has in place to be used in the event that a need arises from one of the plants within the specified scope. Cost associated with these contracts are only a fraction of the total contract amount.



Unit 5 Procurement Plan – Awarded (Cont'd)

The following table outlines the procurements awarded with new or existing contracts to support Costa Sur Assessment & Repairs:

| # | Procurement Description | Procurement Type* | Cost | Associated Workstream # | Contract # | Contractor Name |
|----|--|--------------------------------|-------------|-------------------------|------------|--------------------------------|
| 48 | Lead Removal and Disposal Works - Structural Repairs Units 1-6 | Emergency Procurement | \$203,544 | 12 | 86566 | J R INDUSTRIAL CONTRACTORS INC |
| 49 | Insulation Repair Works in Boiler 5 | Service Upon Request Agreement | \$450,000 | 37 | 86283 | J R INDUSTRIAL CONTRACTORS INC |
| 50 | Integration of Raw Water Pumps Controls into DCS Foxboro | Service Upon Request Agreement | \$239,343 | 43 | 85590 | LT AUTOMATION |
| 51 | Controls from interconnection work, all water condensate tank | Service Upon Request Agreement | \$46,232 | 24 | 65206 | LT AUTOMATION |
| 52 | Relocation of Foxboro monitors and power circuits for opacity meters | | \$66,500 | 43 | 87275 | LT AUTOMATION |
| 53 | Integration of Demineralizer Controls into DCS | Service Upon Request Agreement | \$53,100 | 43 | 84651 | LT AUTOMATION / Schneider |
| 54 | Condensate Recirculating Discharge Pipe (12 ft diameter) | Emergency Procurement | \$975,000 | 39 | 86664 | MALNAT ASOCIADOS |
| 55 | Underwater Visual Inspection of the Tunnels Condenser 5 and 6 | Emergency Procurement | \$83,100 | 9 | 86495 | MARINE DIVING CONTRACTORS |
| 56 | Overhead Crane Installation and Commissioning | | \$1,553,502 | 36 | 82717 | MASTER LINK CORPORATION |
| 57 | Turbine-Generator Inspection Work | Emergency Procurement | \$75,078 | 61 | 87153 | MECHANICAL DYNAMICS ANALYSIS.3 |
| 58 | Structural Repairs Condensate Tank 5 | Emergency Procurement | \$345,468 | 22 | 86704 | R G ENGINEERING INC |
| 59 | Repairs on fire protection systems | Service Upon Request Agreement | \$115,000 | MISC | 84101 | R G ENGINEERING INC |

* Note: Service Upon Request Agreements refers to agreements that PREPA has in place to be used in the event that a need arises from one of the plants within the specified scope. Cost associated with these contracts are only a fraction of the total contract amount.



Unit 5 Procurement Plan – Awarded (Cont'd)

The following table outlines the procurements awarded with new or existing contracts to support Costa Sur Assessment & Repairs:

| # | Procurement Description | Procurement Type* | Cost | Associated Workstream # | Contract # | Contractor Name |
|------------------------|--|--------------------------------|---------------------|-------------------------|------------|--------------------------|
| 60 | Project Management Support | Other | \$58,635 | 11 | 85215 | SCOTTMADDEN, INC |
| 61 | Cargo Elevators Repairs | Service Upon Request Agreement | \$28,945 | 41 | 82412 | VERTECH INC |
| 62 | Existing Overhead Crane Units 3 and 6, Certification | | \$34,412 | 25 | 84013 | VITAL ENERGY CORPORATION |
| Estimated Total | | | \$14,717,374 | | | |

* Note: Service Upon Request Agreements refers to agreements that PREPA has in place to be used in the event that a need arises from one of the plants within the specified scope. Cost associated with these contracts are only a fraction of the total contract amount.





Unit 6 Status Overview

Unit 6 Executive Summary

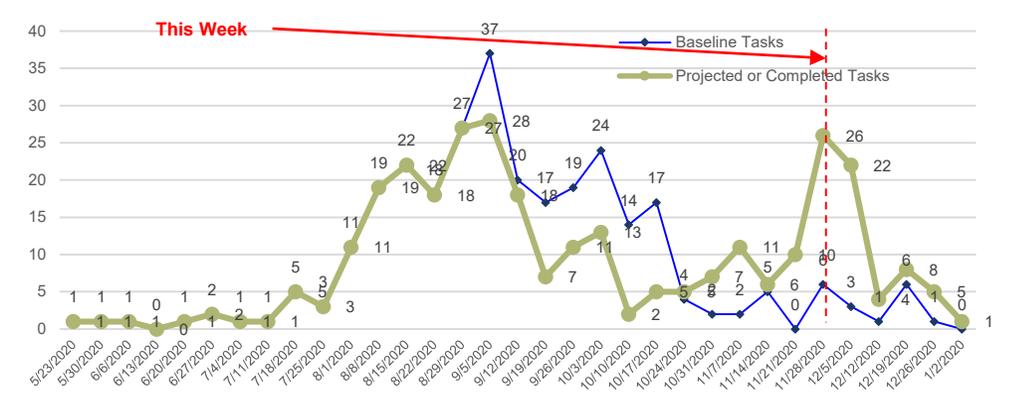
84.0%
% Completion

85.8%
Time Elapsed

Management Notes:

- Completed boiler hydrostatic test on 11/27, found a couple of weld leaks that needed to be repaired. Second hydrostatic test scheduled for 11/30
- Turbine front standard installation to be completed by 12/1; hydrogen and stator coolers to be completed by 12/4. Control Valve repair would be the only major milestone pending to complete turbine work
- Weather conditions have caused cancellation of scheduled work by several contractors and additional COVID-19 cases reported in Aguirre and Cambalache are causing additional delays to complete scheduled mechanical work. PREPA is actively working to identify recovery plans to mitigate schedule impacts

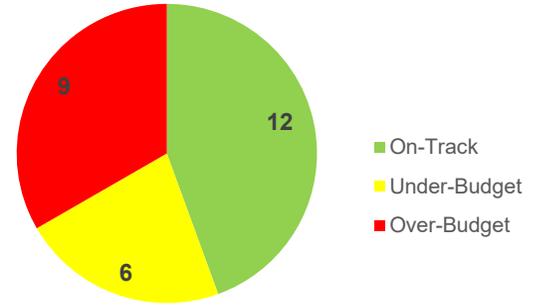
Schedule Work Breakdown



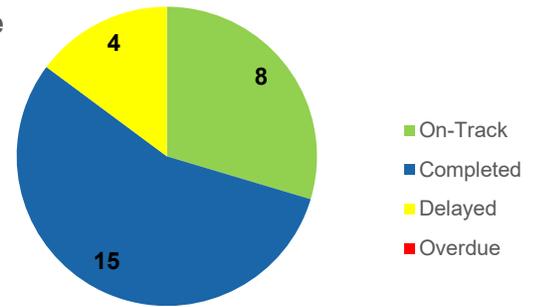
Scope and Metrics by Workstream

| | | |
|-------------------------------------|---|---|
| 27 Identified Workstreams | 15 Workstreams at 100% Completion | 0 Workstreams Added (Since Last Report) |
|-------------------------------------|---|---|

Budget



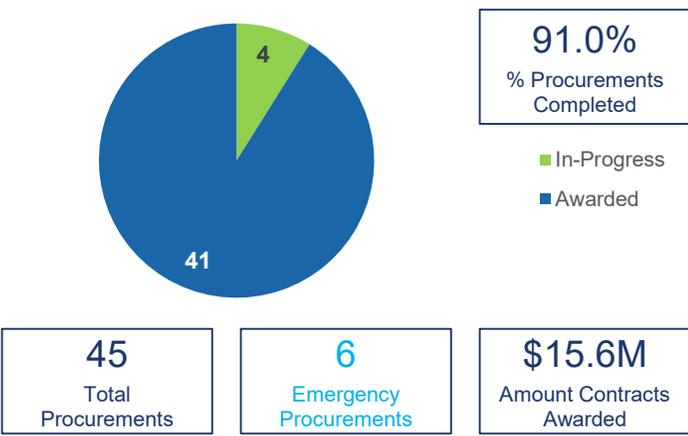
Schedule



Financials

| | |
|------------------------------|--------------------|
| Budget Baseline | \$19,078,286 |
| Forecast Cost | \$21,670,419 |
| Total Invoiced Amount | \$8,450,454 |
| PREPA Expenses | \$381,957 |
| Total Expenses | \$8,832,411 |
| Total Disbursements | \$3,606,624 |
| Total Committed in Contracts | \$15,580,590 |

Procurement Status



Schedule Metrics

| | | |
|-------------------------------------|-------------------------------------|------------------------------------|
| 306 Total Scheduled Tasks | 13 Pending Tasks On-Track | 74 Tasks Due in November |
| 236 YTD Tasks Completed | 50 Pending Tasks Delayed | 18 Tasks Due in December |
| | 7 Pending Tasks Overdue | |

Max. Weekly Headcount (based on week of 11/25)

| | |
|--|------------------------------------|
| 121 PREPA's Avg. Headcount | 218 Max. Total Headcount |
| 97 Contractor's Avg. Headcount | |

Unit 6 Project Summary by Workstream

| ID | Workstream Description | Forecast Cost | Resources Assigned | % Complete | Scheduled Start | Scheduled Finish | Status | Tasks Completed | Tasks Pending |
|----|--|---------------|--|------------|-----------------|------------------|-----------|-----------------|---------------|
| 1 | Project Initiation, Procurement, and Other Work Activities | \$620,508 | PREPA, Acumenian, Fusionworks, ScottMadden | 91% | 5/22/2020 | 11/24/2020 | On Track | 15 | 1 |
| 2 | Emergency Declaration | \$0 | PREPA | 100% | 5/22/2020 | 6/18/2020 | Completed | 3 | 0 |
| 3 | Lead Removal Works | \$110,000 | JR Industrial Contractors | 100% | 7/21/2020 | 9/4/2020 | Completed | 1 | 0 |
| 4 | Asbestos Removal Works | \$100,000 | Caribe Hydroblasting (CHED) | 100% | 7/20/2020 | 9/5/2020 | Completed | 1 | 0 |
| 5 | Structural Steel Repair Works Unit 6 | \$1,348,000 | General Electric Fieldcore (GEF) | 100% | 7/27/2020 | 10/3/2020 | Completed | 67 | 0 |
| 6 | Scaffolding Services | \$425,000 | BRAND ENERGY INFRASTRUCTURE | 100% | 6/15/2020 | 6/29/2020 | Completed | 1 | 0 |
| 7 | Boiler Wash | \$125,000 | Induchem | 100% | 6/5/2020 | 7/13/2020 | Completed | 1 | 0 |
| 8 | Cargo Elevator Repairs | \$15,000 | Vertech | 100% | 8/15/2020 | 9/14/2020 | Completed | 0 | 0 |
| 10 | Air-Preheater Repairs | \$1,541,195 | JC Mechanical Industrial Services LLC | 100% | 8/17/2020 | 9/9/2020 | Completed | 1 | 0 |
| 11 | Balance of Plant Works | \$0 | PREPA | TBD | 9/12/2020 | 11/25/2020 | On Track | 0 | 0 |
| 12 | Boiler Repair Works | \$2,430,408 | PREPA | 100% | 6/1/2020 | 11/23/2020 | Completed | 12 | 1 |



Unit 6 Project Summary by Workstream (Cont'd)

| ID | Workstream Description | Forecast Cost | Resources Assigned | % Complete | Scheduled Start | Scheduled Finish | Status | Tasks Completed | Tasks Pending |
|----|--|---------------|---|------------|-----------------|------------------|-----------|-----------------|---------------|
| 13 | Burner Repairs | \$180,402 | PREPA | 100% | 8/25/2020 | 9/25/2020 | Completed | 1 | 0 |
| 14 | Condensate Circulating Water System Repairs | \$1,111,325 | Environics Engineers, Malnat | 100% | 6/29/2020 | 10/3/2020 | Completed | 3 | 0 |
| 15 | Condensate Storage Tank Demolition, Design, and New construction* | \$1,120,013 | Alonso & Carus | 81% | 7/1/2020 | 12/28/2020 | On Track | 2 | 2 |
| 17 | Desuperheater Replacement Crossover Links | \$1,694,370 | CARIBE GE INTERNATIONAL ENERGY | 100% | 7/24/2020 | 9/9/2020 | Completed | 58 | 0 |
| 18 | Electrical and Instrumentation Works | \$1,534,226 | PREPA, AIT Technologies, Engineering Services, ESI, LT Automation | 82% | 6/24/2020 | 12/18/2020 | Delayed | 28 | 21 |
| 19 | Line and Safety Valves Repairs | \$219,513 | Ensysa | 100% | 8/6/2020 | 11/20/2020 | Completed | 2 | 0 |
| 20 | Mechanical Inspection, Repair & Alignment (Heaters, Fans, Pumps, and Valves) | \$681,032 | PREPA | 43% | 8/17/2020 | 12/23/2020 | Delayed | 6 | 19 |
| 21 | Pipe Type Cable Repairs | \$104,000 | Environics | 0% | 11/30/2020 | 12/17/2020 | Delayed | 0 | 1 |
| 22 | Stack, Insulation, and Refractory Works | \$945,926 | JR Industrial Contractors | 80% | 8/4/2020 | 12/1/2020 | On Track | 3 | 3 |
| 23 | Turbine-Generator Repairs | \$6,699,587 | PREPA, MD&A | 80% | 8/12/2020 | 12/21/2020 | On Track | 29 | 9 |
| 24 | Cooler Main Oil Tank Cleaning and Repairs and Hydrogen Cooler Cleaning | \$125,962 | JR Industrial Contractors | 100% | 9/1/2020 | 10/27/2020 | Completed | 1 | 0 |

* Note: Condensate Storage Tank works is not needed for start-up, but the equipment is essential for plant reliability.



Unit 6 Project Summary by Workstream (Cont'd)

| ID | Workstream Description | Est. Cost | Resources Assigned | % Complete | Scheduled Start | Scheduled Finish | Status | Tasks Completed | Tasks Pending |
|--------------|--|---------------------|---|------------|-----------------|------------------|-----------|-----------------|---------------|
| 25 | Unit 6 Start Up and Commissioning | \$0 | PREPA | 0% | 12/19/2020 | 12/23/2020 | On Track | 0 | 1 |
| 26 | MPT 6 Secondary Containment Repair Works | \$29,550 | 5 Senses Solutions | 100% | 4/16/2020 | 10/14/2020 | Completed | 1 | 0 |
| 27 | Operational Test and Control Tasks Unit 6 | \$0 | PREPA | 1% | 11/27/2020 | 12/19/2020 | On Track | 0 | 11 |
| MISC | Miscellaneous Expenses and Other Contracts | \$509,402 | Heinsen Global Engineering (HGE), LT Automation | - | 6/1/2020 | 12/23/2020 | On Track | 0 | 0 |
| Total | | \$21,670,419 | | | | | | | |



Unit 6 Procurement Plan - Pipeline

The following table outlines the procurements currently in the pipeline to support the Costa Sur U6 Assessment and Start-Up Repairs:

| # | Procurement Description | Procurement Type* | Est. Amount | Status | Target Date |
|--------------|--|--------------------------------|--------------------|--------------------------------|-------------|
| 1 | Mitigation Contract – Mechanical Repairs with Stamp R (Boiler) | Service Upon Request Agreement | \$250,000 | Contract Available When Needed | TBD |
| 2 | Mitigation Contract – Mechanical Repairs without Stamp R | Service Upon Request Agreement | \$450,000 | Contract Available When Needed | TBD |
| 3 | Mitigation Contract – Electrical and Instrumentation Repairs | Service Upon Request Agreement | \$125,000 | Contract Available When Needed | TBD |
| 4 | New Natural Gas Ignitors <i>(Not part of the Costa Sur Repairs budget)</i> | TBD | \$1,928,000 | In-Planning Stage | TBD |
| Total | | | \$2,788,000 | | |

* Note: Service Upon Request Agreements refers to agreements that PREPA has in place to be used in the event that a need arises from one of the plants within the specified scope. Cost associated with these contracts are only a fraction of the total contract amount.



Unit 6 Procurement Plan – Awarded

The following table outlines the procurements currently in the pipeline to support the Costa Sur U6 Assessment and Repairs project:

| # | Procurement Description | Procurement Type* | Cost | Associated Workstream # | Contract # | Contractor Name |
|----|--|--------------------------------|-------------|-------------------------|------------|--------------------------------|
| 1 | MPT 6 Secondary Containment Repair Works | Emergency Procurement | \$29,550 | 26 | 86581 | 5 SENSES SOLUTIONS LLC. |
| 2 | Project Management and Data Analytics Support | Other | \$100,000 | 1 | 87670 | ACUMENIAN LLC |
| 3 | Civil, electrical and mechanical repairs to the Excitation Control Room Unit 6 | Emergency Procurement | \$158,020 | 18 | 87646 | AIT TECHNOLOGIES INC |
| 4 | New Underground Cable Works for 4k Transformer | | \$110,420 | 18 | 88725 | AIT TECHNOLOGIES INC |
| 5 | Turbine Oil Flush | | \$59,895 | 23 | 80175 | ALLIED POWER TECHNOLOGIES |
| 6 | EATON Breaker LVAR 3000 Design, Fabrication, and Installation | | \$191,985 | 18 | 86883 | ALLIED POWER TECHNOLOGIES |
| 7 | Design & Construction of a New Water Condensate 6 | Request for Proposal Process | \$845,013 | 15 | 87958 | ALONSO CARUS IRON WORKS INC |
| 8 | Scaffolding Services | Service Upon Request Agreement | \$425,000 | 6 | 84611 | BRAND ENERGY INFRASTRUCTURE |
| 9 | Structural Repairs Unit 1-6 | Request for Quotes (RFQs) | \$1,348,000 | 5 | 86331 | CARIBE GE INTERNATIONAL ENERGY |
| 10 | Desuperheater Link Repairs | | \$1,694,370 | 17 | 87333 | CARIBE GE INTERNATIONAL ENERGY |
| 11 | Boiler Tube Purchase (Bifurcate) | | \$137,564 | 12 | 87998 | CARIBE GE INTERNATIONAL ENERGY |

* Note: Service Upon Request Agreements refers to agreements that PREPA has in place to be used in the event that a need arises from one of the plants within the specified scope. Cost associated with these contracts are only a fraction of the total contract amount.



Unit 6 Procurement Plan – Awarded (Cont'd)

The following table outlines the procurements currently in the pipeline to support the Costa Sur U6 Assessment and Repairs project:

| # | Procurement Description | Procurement Type* | Cost | Associated Workstream # | Contract # | Contractor Name |
|----|---|--------------------------------|-----------|-------------------------|-------------|--|
| 12 | Asbestos Removal & Disposal Works Unit 5 | Emergency Procurement | \$100,000 | 4 | 86559 | Caribe Hydroblasting |
| 13 | Project Management Services | Other | \$41,400 | 1 | 84270 | CPM PR LLC |
| 14 | Labor for Boiler Tube (Bifurcate) Replacement | Service Upon Request Agreement | \$74,400 | 12 | 82470 | ENERSYS ENGINEERING CORP |
| 15 | Transformer Testing | | \$40,721 | MISC | 87169 | ENGINEERING SERVICES |
| 16 | Deaerator Pump Repairs and Replacement | | \$94,500 | 12 | 83250 | ENGINEERING SERVICES |
| 17 | Safety Line Valves Repairs | | \$219,513 | 19 | 85203 | ENGINEERING SYSTEMS SALES |
| 18 | Condenser Tube Cleaning and Outlet Boxes | | \$193,325 | 14 | 84917 | ENVIRONICS ENGINEERING |
| 19 | Pipe Type Cable Repairs | Direct Negotiations | \$104,000 | 21 | 88249 | ENVIRONICS ENGINEERING |
| 20 | Lead Paint and Asbestos Sampling Analysis | | \$10,000 | 12 | 86732 | Environmental Health & Safety Services |
| 21 | Project Financial Controls Support | | \$45,473 | 1 | 2020-P00087 | FUSIONWORKS |
| 22 | Boiler Assessment | Service Upon Request Agreement | \$430,000 | 12 | 84002 | GE FIELDCORE |

* Note: Service Upon Request Agreements refers to agreements that PREPA has in place to be used in the event that a need arises from one of the plants within the specified scope. Cost associated with these contracts are only a fraction of the total contract amount.



Unit 6 Procurement Plan – Awarded (Cont'd)

The following table outlines the procurements currently in the pipeline to support the Costa Sur U6 Assessment and Repairs project:

| # | Procurement Description | Procurement Type* | Cost | Associated Workstream # | Contract # | Contractor Name |
|----|--|--------------------------------|-----------|-------------------------|------------|---------------------------------------|
| 23 | Structural engineering consulting | | \$250,000 | 15 | 86919 | Heisen Global Engineering (HGE) |
| 24 | Boiler Hydroblasting | Service Upon Request Agreement | \$125,000 | 7 | 80903 | INDUCHEM SERVICES |
| 25 | Internal Cleaning Services for Steam Generator | | \$102,256 | 18 | 78061 | INDUCHEM SERVICES |
| 26 | Oil coolers cleaning | | \$34,984 | 24 | 88156 | INDUCHEM SERVICES |
| 27 | Lead Removal and Disposal Works - Structural Repairs Units 1-6 | Emergency Procurement | \$100,000 | 3 | 86566 | J R INDUSTRIAL CONTRACTORS INC |
| 28 | Stack cleaning , painting, refractory, and insulation work | Service Upon Request Agreement | \$600,000 | 22 | 86283 | J R INDUSTRIAL CONTRACTORS INC |
| 29 | Replacement of Baskets Air Pre-heaters Baskets Unit 6 and associated repairs | Emergency Procurement | \$581,055 | 10 | 87663 | JC MECHANICAL INDUSTRIAL SERVICES LLC |
| 30 | Refractory inspection and repairs | | \$196,250 | 22 | 88519 | JR INDUSTRIAL CONTRACTORS INC |
| 31 | Controls from interconnection work, all water condensate tank | Service Upon Request Agreement | \$67,000 | 18 | 65206 | LT AUTOMATION |
| 32 | SS TANKS FOR PLANT REVERSE OSMOSIS | Service Upon Request Agreement | \$0 | MISC | 81974 | LT AUTOMATION |
| 33 | Unit 6 Turbine thermocouples and RTD wiring labor | Service Upon Request Agreement | \$9,402 | MISC | R243112 | LT AUTOMATION |

* Note: Service Upon Request Agreements refers to agreements that PREPA has in place to be used in the event that a need arises from one of the plants within the specified scope. Cost associated with these contracts are only a fraction of the total contract amount.



Unit 6 Procurement Plan – Awarded (Cont'd)

The following table outlines the procurements currently in the pipeline to support the Costa Sur U6 Assessment and Repairs project:

| # | Procurement Description | Procurement Type* | Cost | Associated Workstream # | Contract # | Contractor Name |
|------------------------|---|--------------------------------|---------------------|-------------------------|------------|--------------------------------|
| 34 | Condenser Discharge Tube Unit 6 | Emergency Procurement | \$918,000 | 14 | 87630 | MALNAT ASOCIADOS |
| 35 | High Pressure Heater Repairs | | \$131,032 | 20 | 81838 | MALNAT ASOCIADOS |
| 36 | Hydrogen coolers cleaning | | \$90,978 | 24 | 88465 | MARINE DIVING CONTRACTORS |
| 37 | Replacement of Rails, Overhead Crane 5 and 6 | Contract Amendment | \$0 | 9 | 82717 | MASTER LINK CORPORATION |
| 38 | Turbine and Generator Repairs | | \$5,847,849 | 23 | 87501 | MECHANICAL DYNAMICS ANALYSIS.3 |
| 39 | Project management and stakeholder management support | | \$58,635 | 1 | 87756 | SCOTTMADDEN, INC |
| 40 | Cargo Elevators Repairs | Service Upon Request Agreement | \$15,000 | 8 | 82412 | VERTECH INC |
| 41 | Stator Cooler Cleaning (Two of them) | | TBD | 23 | TBD | MARINE DIVING CONTRACTORS |
| Estimated Total | | | \$15,580,590 | | | |

* Note: Service Upon Request Agreements refers to agreements that PREPA has in place to be used in the event that a need arises from one of the plants within the specified scope. Cost associated with these contracts are only a fraction of the total contract amount.





Appendix



Emergency Management KPI Dashboard

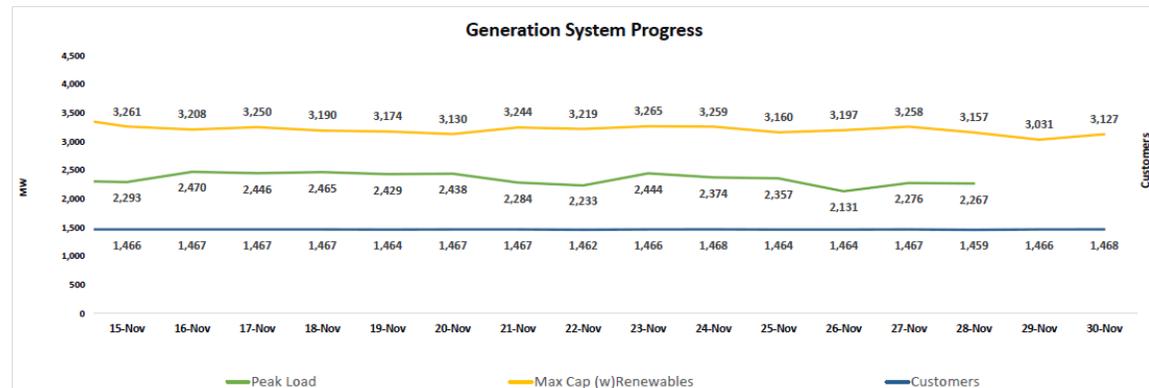
DEMAND (MW)
 **2041**
 AS OF Nov 30, 2020

CUSTOMERS ENERGIZED
 **99.99%**
 1,468,100

| Progress of Critical Generation System | | | | | |
|--|---------|------------------|---------------------------|-----------------------|------------------------|
| Power Plant | Unit | Power Plant Type | Installed Generation (MW) | Maximum Capacity (MW) | Actual Generation (MW) |
| San Juan | 9 | Base Load | 100 | 90 | 83 |
| Palo Seco | 4 | Base Load | 216 | 81 | 81 |
| Costa Sur | 5 | Base Load | 410 | 300 | 308 |
| Aguirre | 1 | Base Load | 450 | 450 | 262 |
| Aguirre | 2 | Base Load | 450 | 450 | 349 |
| Aguirre CC | Stag 1 | Base Load | 296 | 100 | 0 |
| Aguirre CC | Steam 1 | Base Load | 96 | 38 | 0 |
| Aguirre CC | Stag 2 | Base Load | 296 | 145 | 0 |
| San Juan CC | CT 5 | Base Load | 160 | 150 | 120 |
| San Juan CC | STG 5 | Base Load | 60 | 50 | 40 |
| Cambalache | 2 | Peaker | 82.5 | 77 | 0 |
| Cambalache | 3 | Peaker | 82.5 | 77 | 0 |
| Daguao | 1-1 | Peaker | 18 | 19 | 0 |
| Daguao | 1-2 | Peaker | 21 | 16 | 0 |
| Palo Seco Hidrogas | 2-1 | Peaker | 21 | 20 | 0 |
| Jobs | 1-1 | Peaker | 21 | 19 | 0 |
| Jobs | 1-2 | Peaker | 21 | 19 | 0 |
| Mayaguez | 2 | Peaker | 55 | 55 | 0 |
| Mayaguez | 3 | Peaker | 55 | 25 | 0 |
| Mayaguez | 4 | Peaker | 55 | 50 | 0 |
| Yabucoa | 1-1 | Peaker | 21 | 18 | 0 |
| Vega Baja | 1-1 | Peaker | 21 | 21 | 0 |
| Hidroeléctricas | | Peaker | 26 | 23 | 1 |
| EcoEléctrica | 1 | Base Load | 183 | 183 | 171 |
| EcoEléctrica | 2 | Base Load | 183 | 183 | 171 |
| ECO | Steam | Base Load | 184 | 184 | 172 |
| AES | 2 | Base Load | 262 | 258 | 257 |
| Sub - Total | | | 3846 | 3101 | 2015 |
| Renewables | | Renewables | 194 | 26 | 26 |
| Total | | | 4040 | 3127 | 2041 |

| Generation Units Out of Service | | | | | |
|---------------------------------|--------------|------------------|---------------------------|-----------------------|-----------------------------|
| Power Plant | Unit | Power Plant Type | Installed Generation (MW) | Maximum Capacity (MW) | Expected date to be online* |
| San Juan | 7 | Base Load | 100 | 70 | Available for Emergencies |
| San Juan | 8 | Base Load | 100 | 40 | Available for Emergencies |
| Palo Seco | 3 | Base Load | 216 | 90 | December 19, 2020 |
| Costa Sur | 6 | Base Load | 410 | 410 | December 23, 2020 |
| Aguirre CC | Stag 1 (1-2) | Base Load | 50 | 50 | December 10, 2020 |
| Aguirre CC | Stag 1 (1-4) | Base Load | 50 | 50 | November 30, 2020 |
| Aguirre CC | Stag 2 (2-2) | Base Load | 50 | 50 | TBD |
| Aguirre CC | Steam 2 | Base Load | 96 | 50 | TBD |
| San Juan CC | CT 6 | Base Load | 160 | 160 | December 14, 2020 |
| San Juan CC | STG 6 | Base Load | 60 | 60 | December 14, 2020 |
| Aguirre Hidrogas | 2-1 | Peaker | 21 | 21 | TBD |
| Aguirre Hidrogas | 2-2 | Peaker | 21 | 21 | TBD |
| Palo Seco Hidrogas | 1-1 | Peaker | 21 | 19 | December 4, 2020 |
| Palo Seco Hidrogas | 1-2 | Peaker | 21 | 19 | December 18, 2020 |
| Palo Seco Megagens | 1, 2, 3 | Peaker | 66 | 66 | Available for Emergencies |
| Costa Sur Hidrogas | 1-1 | Peaker | 21 | 21 | TBD |
| Costa Sur Hidrogas | 1-2 | Peaker | 21 | 21 | TBD |
| Mayaguez | 1 | Peaker | 55 | 25 | TBD |
| Yabucoa | 1-2 | Peaker | 21 | 20 | TBD |
| Vega Baja | 1-2 | Peaker | 21 | 19 | TBD |
| AES | 1 | Base Load | 262 | 255 | December 4, 2020 |
| Sub-Total | | | 1843 | 1537 | |
| Cambalache | 1 | Peaker | 83 | | Long Term Outage |
| Palo Seco Hidrogas | 2-2 | Peaker | 21 | | Long Term Outage |
| Palo Seco Hidrogas | 3-1 | Peaker | 21 | | Long Term Outage |
| Palo Seco Hidrogas | 3-2 | Peaker | 21 | | Long Term Outage |
| Palo Seco | 1 | Base Load | 85 | 65 | Long Term Outage |
| Palo Seco | 2 | Base Load | 85 | | Long Term Outage |
| San Juan Steam | 10 | Base Load | 100 | | Long Term Outage |
| Sub-Total | | | 416 | 65 | |
| Total | | | 2259 | 1602 | |

*The dates are as of current information and system conditions, which may vary or change with unexpected events in the electrical system operation.



Project Team and Roles and Responsibilities Matrix

Project Team Members include a diverse representation from different areas of the organization such as Generation, PMO, DFMO, and key advisors .

| Team Grouping | Key Roles and Responsibilities |
|---------------------------------|---|
| Executive Team | <ul style="list-style-type: none"> ▪ Establish governance, provide direction and oversight to broader project team ▪ Assign resources, resolve conflicts and risks, and approve execution plan ▪ Manage stakeholder communications and engagement |
| Management Team | <ul style="list-style-type: none"> ▪ Review project needs, issues, risks, and plans; resolve or escalate as needed ▪ Provide input, feedback, and direction to the Execution and Procurement Team ▪ Provide oversight of the contractors/vendors supporting the project |
| Procurement Team | <ul style="list-style-type: none"> ▪ Manage the procurement of goods and services needed to support the Execution Team ▪ Provide regular status updates on all procurements ▪ Escalate issues, risks, and/or concerns as needed |
| Execution Team | <ul style="list-style-type: none"> ▪ Manage the project scope, budget, and schedule ▪ Engage regularly with controls team to provide timely and accurate update on execution ▪ Manage contractors/vendors supporting the project |
| Controls Team | <ul style="list-style-type: none"> ▪ Collect data and information related to the project scope, budget, and schedule ▪ Develop and maintain master project schedule ▪ Provide project information and progress to the Reporting Team |
| Reporting Team | <ul style="list-style-type: none"> ▪ Develop standard project status progress reports ▪ Manage stakeholder needs and request for communications |
| PREB/FOMB Interface Team | <ul style="list-style-type: none"> ▪ Identify stakeholder engagement and communication needs ▪ Communicate with Management and Executive Team on stakeholder requests ▪ Review all communications issued to the stakeholder group ▪ Provide interface support with stakeholder groups |
| FEMA Interface Team | <ul style="list-style-type: none"> ▪ Identify stakeholder engagement and communication needs ▪ Communicate with Management and Executive Team on stakeholder requests ▪ Review all communications issued to the stakeholder group ▪ Provide support to secure funding and any associated documentation ▪ Provide interface support with FEMA |

