

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

<b>NEPR</b>  Received:  Sep 30, 2020  6:33 PM
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**IN RE:**

**SOLICITUD DE PROPUESTAS PARA  
GENERACION TEMPORERA DE  
EMERGENCIA**

CASE NUM.:

NEPR-AP-2020-0001

SUBJECT:

Reporte de Estatus y Progreso

**MOCIÓN PARA PRESENTAR INFORME DE 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 muy respetuosamente expone y solicita:

La Autoridad de Energía Eléctrica de Puerto Rico (la “Autoridad”), en cumplimiento con la Orden del 22 de mayo del 2020,<sup>1</sup> 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 septiembre 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. Adjunto también se presentan ciertos contratos otorgados para continuar con las reparaciones de las unidades. Exhibit B.

El Sr. Fernando Padilla, Director de la Oficina de Reestructuración y Asuntos Fiscales de la Autoridad y encargado del manejo del proyecto de referencia, reporta que debido a los daños identificados en la Unidad 6 e informados en el reporte de progreso del 15 de septiembre de 2020,

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

la nueva fecha proyectada para que los trabajos sean completados y la Unidad 6 entre en servicio es el 23 de diciembre del 2020. Además, se estima que el impacto económico de las reparaciones adicionales requeridas podría ascender a aproximadamente \$2.0 millones. Actualmente, la Autoridad realiza una evaluación para determinar cuál es la proyección final del costo para completar las reparaciones. De ser necesario un aumento al presupuesto ya establecido, se solicitará la aprobación del Negociado de Energía oportunamente en cumplimiento con la Orden de 22 de mayo.

POR TODO LO CUAL, se solicita respetuosamente al Negociado de Energía que tome conocimiento de lo aquí informado.

RESPETUOSAMENTE SOMETIDO.

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

*/s Katuska Bolaños Lugo*  
Katuska Bolaños Lugo  
[kbolanos@diazvaz.law](mailto:kbolanos@diazvaz.law)  
TSPR 18888

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## 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](mailto:rstgo2@gmail.com); [rolando@bufeteemmanuelli.com](mailto:rolando@bufeteemmanuelli.com); [jessica@bufete-emmanuelli.com](mailto:jessica@bufete-emmanuelli.com); [notificaciones@bufete-emmanuelli.com](mailto:notificaciones@bufete-emmanuelli.com); [pedrosaade5@gmail.com](mailto:pedrosaade5@gmail.com); [larroyo@earthjustice.org](mailto:larroyo@earthjustice.org).

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

*s/ Katuska Bolaños Lugo*  
Katuska Bolaños Lugo

Exhibit A

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



**Puerto Rico  
Electric Power  
Authority**

# **Puerto Rico Electric Power Authority (PREPA)**

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**Costa Sur Damage Assessment and Repairs  
Progress Status Report  
September 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

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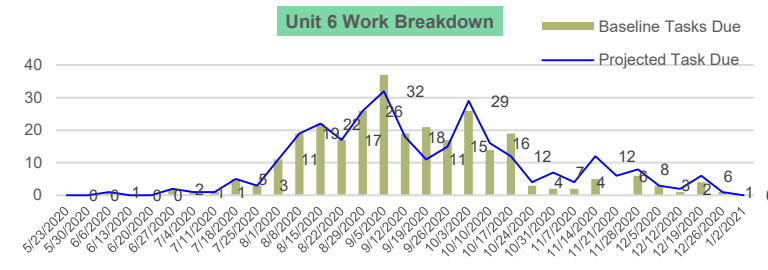
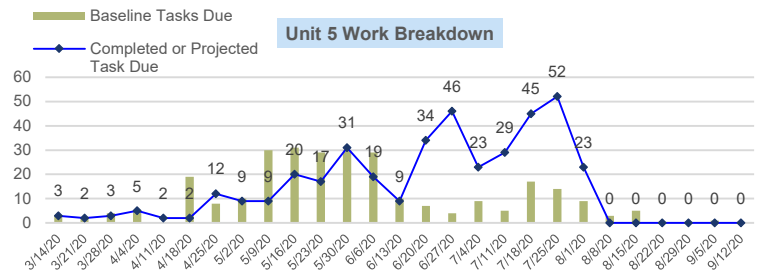
# Program Overview – Unit 5 & 6 Start-Up Activities

Budget	
Approved Budget for Program	\$40,200,000
Forecast Cost for Program (subject to change)	\$42,015,772
<b>Unit 5 Start-Up</b>	
A. Budget Baseline	\$25,200,000
B. Total Forecast Cost	\$18,979,281
C. Total Amount Invoiced (Contractors)	\$12,026,925
D. PREPA Expenses (Time & Materials)	\$4,069,645
<b>E. Total Expenses (C+D)</b>	<b>\$16,096,570</b>
F. Total Disbursements	\$11,534,195
<b>Unit 6 Start-Up</b>	
G. Budget Baseline	\$19,078,286
H. Total Forecast Cost	\$23,036,491
I. Total Amount Invoiced (Contractors)	\$2,903,356
J. PREPA Expenses (Time & Materials)	\$0
<b>K. Total Expenses (I+J)</b>	<b>\$2,903,356</b>
L. Total Disbursements	\$180,566

Procurement			
106 Total Procurements	20 Total Emergency Procurements	\$30.7M Total Amount Contracts Awarded	96.2% % Total Procurements Completed
<b>Unit 5 Start-Up</b>		<b>Unit 6 Start-Up</b>	
66 U5 Total Procurements	14 U5 Emergency Procurements	40 U6 Total Procurements	6 U6 Emergency Procurements
\$14.9M U5 Amount Contracts Awarded	100.0% U5 % Procurements Completed	\$15.8M U6 Amount Contracts Awarded	90.0% 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	57.0% Time Elapsed	51.0% % Completion
401 Total Completed Tasks	0 Pending Tasks On-Track	172 Total Completed Tasks	73 Pending Tasks On-Track
0 Pending Tasks Delayed	0 Pending Tasks Overdue	50 Pending Tasks Delayed	10 Pending Tasks Overdue

Scope			
Unit 5 Start-Up		Unit 6 Start-Up	
55** Workstreams Identified	55 Workstreams at 100% Completion	27 Workstreams Identified	9 Workstreams at 100% Completion
Weekly Headcount (Maximum)*			
115* PREPA's Max Weekly Headcount		246* Max Total Weekly Headcount	
131* Contractor's Max Weekly Headcount			



Resource Breakdown	Headcount*
PREPA PMO	3
PREPA Costa Sur	69
PREPA Loan Employees	43
5 Senses	4
Alonso & Carus	4
General Electric	47
JR Insulation	19
Brand	8
Malnat	14
MD&A	17
All Contractors	3
ESI	7
LT Automation	4
Ensya	4
<b>Total</b>	<b>250</b>

\* Maximum weekly headcount based on week starting on 9/24/2020  
 \*\* 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 \$19.0M (\$6.2M below the budget baseline submitted)

### Key Project Metrics

<b>1/7/2020</b> Outage Date	<b>3/23/2020</b> Repairs Start Date	<b>\$25.2M</b> Budget Baseline
<b>8/1/2020*</b> U5 Start-Up Date	<b>8/1/2020*</b> Project End Date	<b>\$19.0M*</b> 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%

<b>0</b> Pending Tasks Due in July	<b>0</b> Pending Tasks Due in August	<b>0</b> Pending Tasks Due in September
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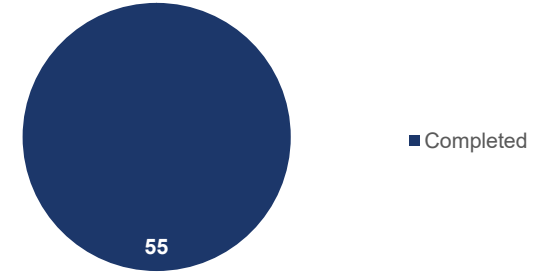
### Scope Metrics

<b>55</b> Identified Workstreams***	<b>55</b> Workstreams at 100% Completion	<b>100.0%</b> % of Workstreams Completed
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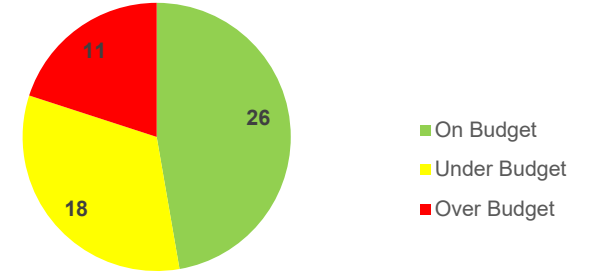
### Financial Metrics

<b>A. Budget Baseline</b>	<b>\$25,200,000</b>
<b>Expenses</b>	
B. Total Forecast Expenses*	\$18,979,281
C. Total Amount Invoiced	\$12,026,925
D. PREPA Related Expenses**	\$4,069,645
<b>F. Total Expenses (C+D)</b>	<b>\$16,096,570</b>
<b>Balances</b>	
G. Balance Available (A-F)	\$9,103,430
H. Forecast Balance (A-B)*	\$6,220,719
<b>Disbursements</b>	
I. Total Disbursements	\$11,534,195
J. % of YTD Expenses Paid (I/F)	71.7%

### Schedule



### Budget



### Max Weekly Headcount

<b>0</b> PREPA's Max Weekly Headcount	<b>0</b> Contractor's Max Weekly Headcount	<b>0</b> Total Weekly Max Headcount
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\* 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	\$2,102,614	\$2,210,114	\$1,330,697	\$963,695
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	\$156,425	\$1,018,268	\$146,157	\$18,225
05. Structural Repair Works Unit 5	3	100%	0	7/20/2020	\$3,431,193	\$2,083,193	\$2,083,193	\$2,141,808	\$1,754,161
06. Condensate Water Tank 5 Repairs	2	100%	0	7/23/2020	\$970,800	\$712,930	\$712,930	\$660,718	\$426,218
07. Boiler Unit 5 Repair Works	9	100%	0	7/24/2020	\$4,555,230	\$2,898,665	\$3,124,552	\$2,255,053	\$1,829,589
08. Auxiliary Equipment Inspection and Repair	9	100%	0	8/1/2020	\$4,659,436	\$3,422,286	\$3,422,286	\$2,854,350	\$2,706,626
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	\$54,000	\$379,500	\$54,000	\$0
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	\$484,130	\$19,928
14. Inspections and Tests MPT	3	100%	0	8/1/2020	\$0	\$0	\$0	\$0	\$0
15. Supplementary Tasks, Future Works & Misc.	7	51%	15	3/9/2021	\$7,306,755	\$2,966,859	\$3,217,922	\$1,906,903	\$250,432
16. Operation Expenses (Payroll, Materials, etc.)**	-	-	0	8/1/2020	\$0	\$3,694,645	\$3,694,645	\$0	\$3,382,205
					<b>\$25,184,292</b>	<b>\$18,979,281</b>	<b>\$20,950,075</b>	<b>\$12,026,925</b>	<b>\$11,534,195</b>

\* 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	January 8,2020 - Safety Inspection		\$3,031	65	85336	ABACUS ARCHITECTURE PSC
6	Project Management and Data Analytics Support	Other	\$228,414	11	87670	ACUMENIAN LLC
7	Relocation of A/C units		\$5,040	MISC	87148	AIT TECHNOLOGIES INC
8	A/C units duct fabrication		\$5,380	MISC	87147	AIT TECHNOLOGIES INC
9	A/C equipment and duct cleaning		\$86,595	19	86734	AIT TECHNOLOGIES INC
10	Natural Gas Line Pipe Structural Repair Works	Emergency Procurement	\$908,000	47	86823	ALL CONTRACTORS SERVICES CORP
11	Trailer for Costa Sur Repairs		\$78,325	54	86814	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	Temporary Laboratory Offices (Rental - 12 Months)	Emergency Procurement	\$76,275	53	87245	ALL CONTRACTORS SERVICES CORP
13	Temporary Administrative Offices (Rental - 12 Months)	Emergency Procurement	\$182,475	54	86552	ALL CONTRACTORS SERVICES CORP
14	Civil Works Control Room 5-6, Compressor Room, Shift Engineer Room	Emergency Procurement	\$413,827	26-29	86653	ALL CONTRACTORS SERVICES CORP
15	Crane Rental of 150 tons and 230 feet		\$148,000	MISC	82754	ALL CONTRACTORS SERVICES CORP
16	Turbine Oil Flush		\$183,116	62	80175	ALLIED POWER TECHNOLOGIES
17	NDT Services Unit 5	Emergency Procurement	\$24,113	32	86678	ALONSO CARUS IRON WORKS INC
18	Opacity Meter Purchase		\$66,971	43	84994	AP EQUIPMENT INC / LT AUTOMATION
19	Scaffolding Services	Service Upon Request Agreement	\$381,416	65	84611	BRAND ENERGY INFRASTRUCTURE
20	Superheater-Desuperheat Link Piping Installation U. 5		\$1,766,429	30	86214	CARIBE GE INTERNATIONAL ENERGY
21	Structural Repairs Unit 1-6	Request for Quotes (RFQs)	\$2,652,000	13-17	86331	CARIBE GE INTERNATIONAL ENERGY
22	Exterior mechanical inspection of the condition of the boilers	Service Upon Request Agreement	\$83,170	1	83998	CARIBE GE INTERNATIONAL ENERGY
23	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

\* 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	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
25	Asbestos Removal & Disposal Works Unit 5	Emergency Procurement	\$0	12A	86559	Caribe Hydroblasting
26	Vacumm Pump Motor Repairs		\$7,577	31	87167	CORTES INDUSTRIAL ORGANIZATION
27	Project Management Services	Other	\$53,500	11	84270	CPM PR LLC
28	Geotechnical studies for Costa Sur		\$107,500	10	86920	EARTH ENGINEERS INC
29	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
30	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
31	Lead Removal Services	Service Upon Request Agreement	\$18,500	4	82470	ENERSYS ENGINEERING CORP
32	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
33	Old Water Condensate Tanks Interconection Works to Unit 5 Demin Water Cycle System	Service Upon Request Agreement	\$153,000	24	82470	ENERSYS ENGINEERING CORP
34	Structural Repairs Cross Bracings Structure - Overhead Crane 1-6	Service Upon Request Agreement	\$78,492	25	82470	ENERSYS ENGINEERING CORP
35	Cable tray installation for switchgear equipment		\$32,258	MISC	86961	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	Wall Panel Installation		\$33,694	MISC	87181	ENGINEERING SERVICES
37	Repair Works on Valves (de Línea) Unit 5	Service Upon Request Agreement	\$178,818	33	83581	ENGINEERING SYSTEMS SALES
38	High Energy and Auxiliary steam and water pipes assessment for units 5 & 6		\$152,710	42	83534	ENVIRONICS ENGINEERING
39	Condenser Tube Cleaning		\$193,325	38	84907	ENVIRONICS ENGINEERING
40	Lead Paint and Asbestos Sampling Analysis		\$6,425	12, 12A	79564	Environmental Health & Safety Services
41	Project Financial Controls Support		\$26,775	11	2020-P00087	FUSIONWORKS
42	Visual Inspection and Ultrasonic Inspect API 653	Request for Quotes (RFQs)	\$134,448	6	85840	Heisen Global Engineering (HGE)
43	Condition Survey and Testing for Concrete Pedestals for Power Turbine and Generator Units , 5 and 6		\$55,160	8	85980	Heisen Global Engineering (HGE)
44	Design Work - Structural Repairs Condensa Tank 5 & Old Water Condensate tanks	Request for Quotes (RFQs)	\$146,662	22	86344	Heisen Global Engineering (HGE)
45	Structural engineering consulting		\$163,650	MISC	86919	Heisen Global Engineering (HGE)
46	Water Treatment Tank 2 Cleaning		\$120,000	19	85153	INDUCHEM SERVICES
47	Boiler Hydroblasting	Service Upon Request Agreement	\$120,000	19	80903	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	Condenser Discharge Tube and Tunnel Cleaning		\$155,691	38	81017	INDUCHEM SERVICES
49	Lead Removal and Disposal Works - Structural Repairs Units 1-6	Emergency Procurement	\$150,000	12	86566	J R INDUSTRIAL CONTRACTORS INC
50	Insulation Repair Works in Boiler 5	Service Upon Request Agreement	\$450,000	37	86283	J R INDUSTRIAL CONTRACTORS INC
51	Integration of Raw Water Pumps Controls into DCS Foxboro	Service Upon Request Agreement	\$145,606	43	85590	LT AUTOMATION
52	Integration of Metering Station into DCS	Service Upon Request Agreement	\$92,110	43	83009	LT AUTOMATION
53	Multimedia filter replacement for new water treatment plant	Service Upon Request Agreement	\$247,755	MISC	81974	LT AUTOMATION
54	Controls from interconnection work, all water condensate tank	Service Upon Request Agreement	\$46,232	24	65206	LT AUTOMATION
55	Relocation of Foxboro monitors and power circuits for opacity meters		\$66,500	43	87275	LT AUTOMATION
56	Integration of Demineralizer Controls into DCS	Service Upon Request Agreement	\$53,100	43	84651	LT AUTOMATION / Scheinder
57	Condensate Recirculating Discharge Pipe (12 ft diameter)	Emergency Procurement	\$975,000	39	86664	MALNAT ASOCIADOS
58	Underwater Visual Inspection of the Tunnels Condenser 5 and 6	Emergency Procurement	\$83,100	9	86495	MARINE DIVING CONTRACTORS
59	Overhead Crane Installation and Commissioning		\$1,553,502	36	82717	MASTER LINK CORPORATION

\* 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	Turbine-Generator Inspection Work	Emergency Procurement	\$54,000	61	87153	MECHANICAL DYNAMICS ANALYSIS.3
61	Necessary Office Supplies		\$2,513	MISC	87240	PR OFFICE SOLUTIONS
62	Structural Repairs Condensate Tank 5	Emergency Procurement	\$345,468	22	86704	R G ENGINEERING INC
63	Repairs on fire protection systems	Service Upon Request Agreement	\$115,000	MISC	84101	R G ENGINEERING INC
64	Project Management Support	Other	\$58,635	11	85215	SCOTTMADDEN, INC
65	Cargo Elevators Repairs	Service Upon Request Agreement	\$20,545	41	82412	VERTECH INC
66	Existing Overhead Crane Units 3 and 6, Certification		\$34,412	25	84013	VITAL ENERGY CORPORATION
<b>Estimated Total</b>			<b>\$14,909,636</b>			

\* 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

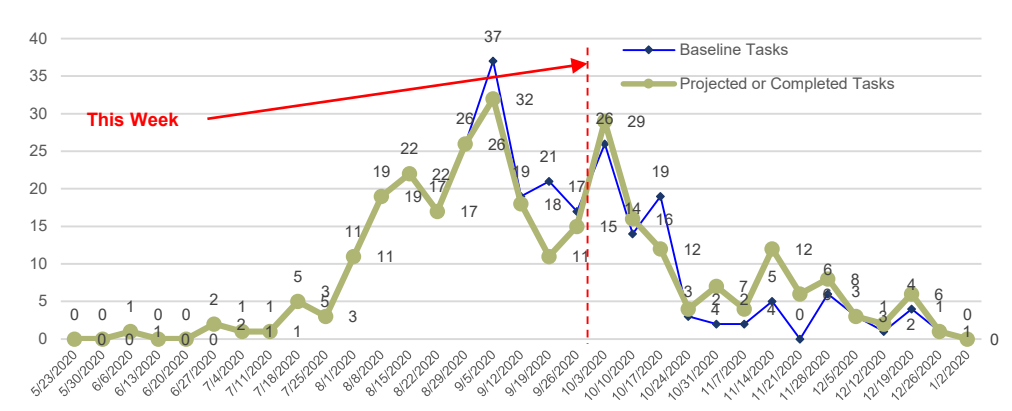
**51.0%**  
% Completion

**57.0%**  
Time Elapsed

### Management Notes:

- Unit 6 schedule projection has been revised due to additional turbine repairs; projected unit start-up date is 12/23/2020 with a projected spend of \$42M for the overall program. The \$2MM projected variance is due to the additional works for the turbine and additional work identified in the boiler to ensure Unit start up and reliability. Management is looking into all the details of the cost and negotiated scopes to ensure final projection and seek PREB approval, if final numbers exceed baseline approved amount
- Repairs to high energy line began on 9/28/2020 with an expected duration of 6 weeks
- Unit 6 structural steel repairs are close to 98% completed and turbine repairs assigned to MD&A are 29% completed
- Repairs to natural gas pipeline are close to 98% completed

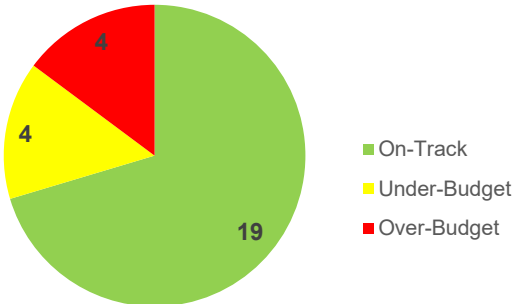
### Schedule Work Breakdown



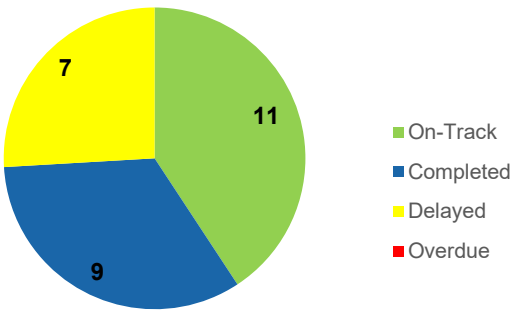
### Scope and Metrics by Workstream

<b>28</b> Identified Workstreams	<b>9</b> Workstreams at 100% Completion	<b>0</b> Workstreams Added (Since Last Report)
-------------------------------------	--	---

### Budget



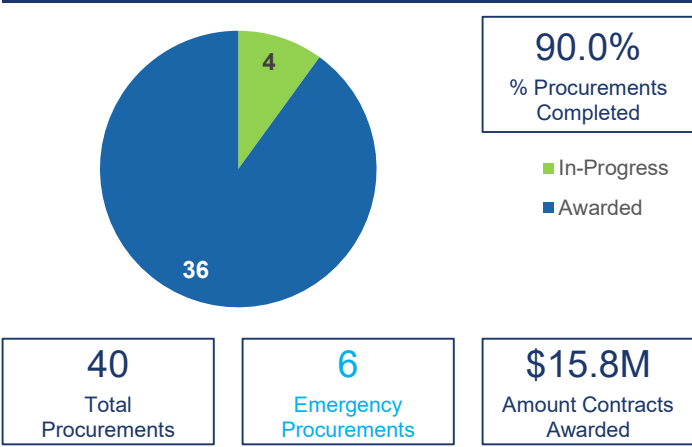
### Schedule



### Financials

<b>Budget Baseline</b>	\$19,078,286
Forecast Cost	\$23,036,491
Total Invoiced Amount	\$2,903,356
PREPA Expenses	\$0
<b>Total Expenses</b>	<b>\$2,903,356</b>
Total Disbursements	\$180,566
Total Committed in Contracts	\$15,787,503

### Procurement Status



### Schedule Metrics

<b>305</b> Total Scheduled Tasks	<b>73</b> Pending Tasks On-Track	<b>41</b> Tasks Due in October
<b>172</b> YTD Tasks Completed	<b>50</b> Pending Tasks Delayed	<b>30</b> Tasks Due in November
	<b>10</b> Pending Tasks Overdue	<b>9</b> Tasks Due in December

### Max. Weekly Headcount (based on week of 9/24)

<b>115</b> PREPA's Avg. Headcount	<b>246</b> Max. Total Headcount
<b>131</b> 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	\$663,400	PREPA, Acumenian, Fusionworks, ScottMadden	42%	5/22/2020	11/24/2020	On Track	13	1
2	Emergency Declaration	\$0	PREPA	100%	5/22/2020	6/18/2020	Completed	3	0
3	Lead Removal Works	\$150,000	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)	98%	7/27/2020	10/16/2020	On Track	60	7
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
9	Crane Repairs	\$830,000	Master Link	0%	12/23/2020	2/24/2021	On Track	0	1
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	\$230,226	PREPA	0%	9/12/2020	11/25/2020	On Track	0	0
12	Boiler Repair Works	\$2,550,508	PREPA	37%	6/1/2020	11/23/2020	On Track	1	13



# 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	\$500,000	PREPA	100%	8/25/2020	9/25/2020	Completed	1	0
14	Condensate Circulating Water System Repairs	\$1,111,325	Environics Engineers, Malnat	88%	6/29/2020	10/14/2020	Delayed	2	1
15	Condensate Storage Tank Demolition, Design, and New construction	\$962,513	Alonso Carus	52%	7/1/2020	12/14/2020	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	\$1,443,065	PREPA, AIT Technologies, Engineering Services, ESI, LT Automation	43%	1/7/2020	11/18/2020	Delayed	9	41
19	Line and Safety Valves Repairs	\$186,723	Ensysa	52%	8/6/2020	10/9/2020	Delayed	0	1
20	Mechanical Inspection, Repair & Alignment (Heaters, Fans, Pumps, and Valves)	\$550,000	PREPA	18%	8/17/2020	11/25/2020	Delayed	3	21
21	Pipe Type Cable Repairs	\$104,000	Environics Engineers	0%	9/26/2020	11/18/2020	Delayed	0	1
22	Stack, Insulation, and Refractory Works	\$749,676	JR Industrial Contractors	39%	6/1/2020	11/15/2020	On Track	3	3
23	Turbine-Generator Repairs	\$6,699,587	PREPA, MD&A	19%	8/12/2020	12/14/2020	On Track	12	27
24	Cooler Main Oil Tank Cleaning and Repairs and Hydrogen Cooler Cleaning	\$150,000	PREPA	25%	9/1/2020	11/9/2020	Delayed	0	1



# 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%	12/17/2020	12/23/2020	On Track	0	1
26	MPT 6 Secondary Containment Repair Works	\$29,550	5 Senses Solutions	75%	4/16/2020	10/14/2020	Delayed	0	1
27	Operational Test and Control Tasks Unit 6	\$0	PREPA	0%	11/23/2020	12/17/2020	On Track	0	11
MISC	Miscellaneous Expenses and Other Contracts	\$877,353	Heinsen Global Engineering (HGE), LT Automation	-	8/3/2020	TBD	On Track	0	0
<b>Total</b>		<b>\$23,036,491</b>							



# Costa Sur Unit 6 Repairs In-Progress

U-Pipe and Turbine Steam Chest



Refractory Material Demolition



Surface Preparation

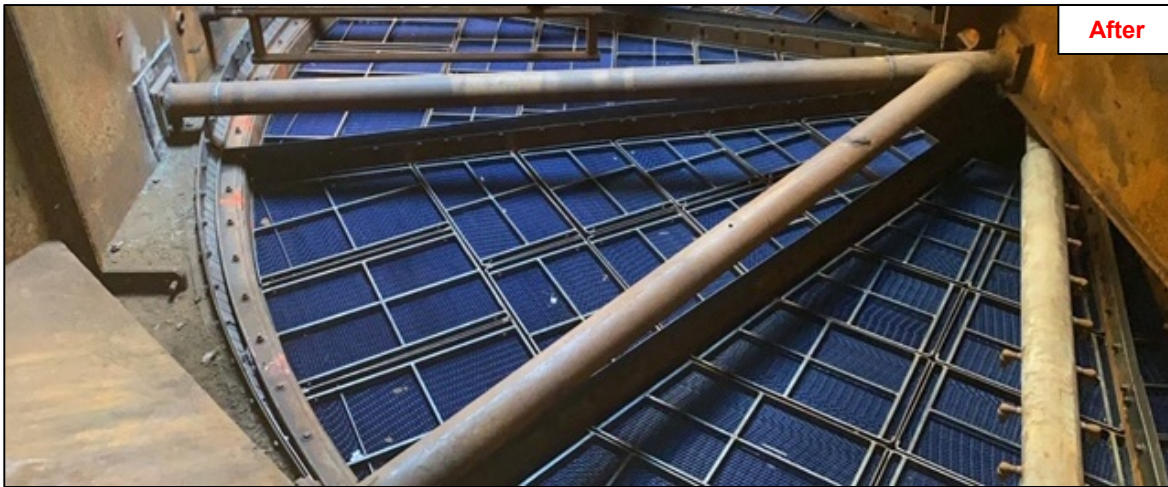


Column Fabrication

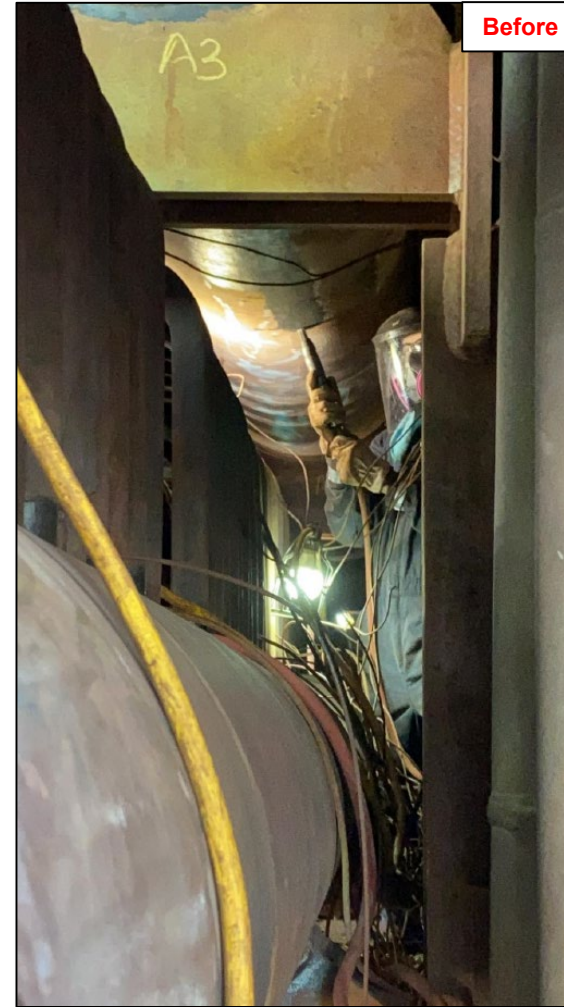


# Costa Sur Unit 6 Repairs In-Progress (Cont'd)

**Air Preheater Basket Replacement**



**Desuperheater Crossover Link Repairs**



# Costa Sur Unit 6 Repairs In-Progress (Cont'd)

## Turbine Disassembly, Maintenance, and Repairs



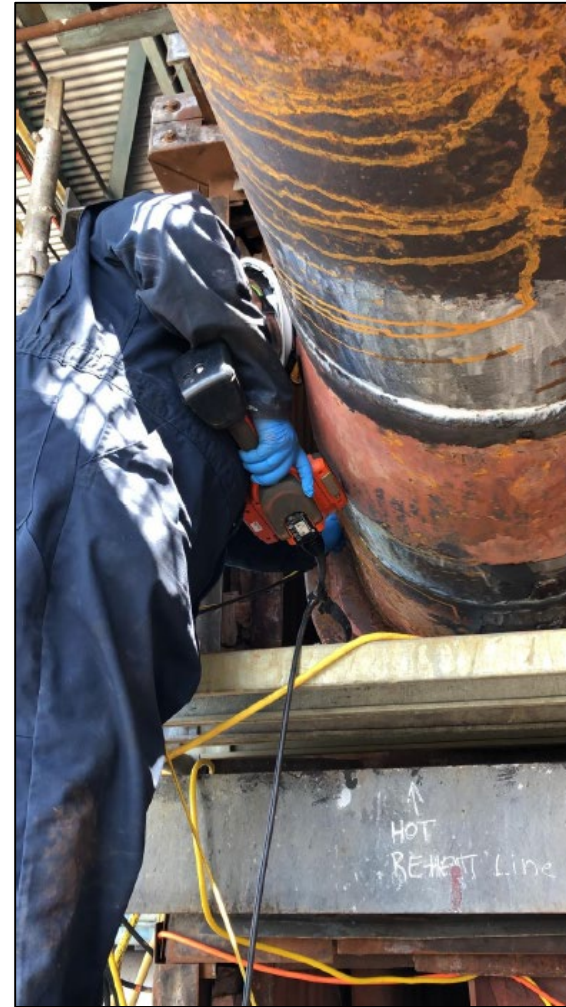


# Costa Sur Unit 6 Repairs In-Progress (Cont'd)

Refractory Material Demolition (Cont'd)

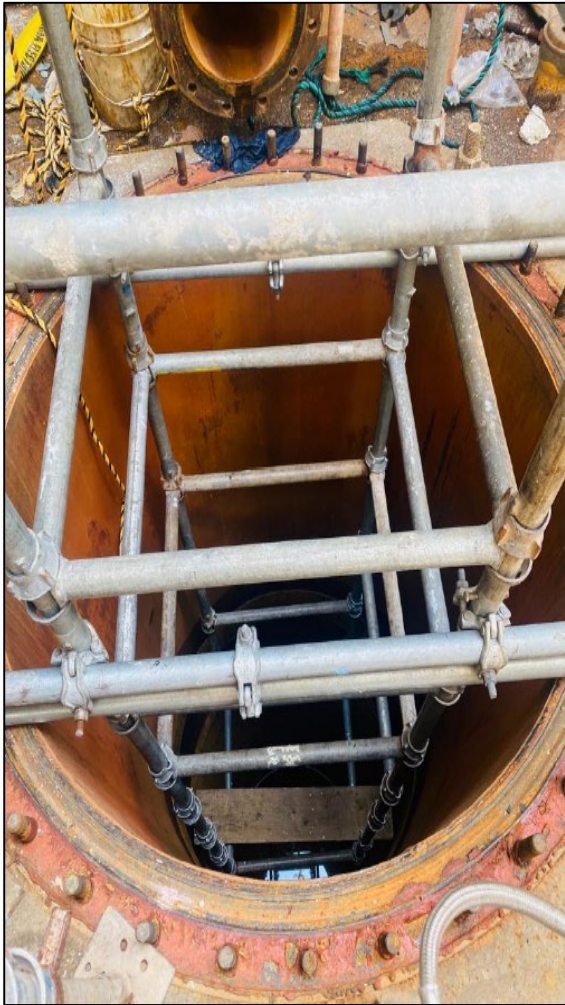


Boiler Assessment

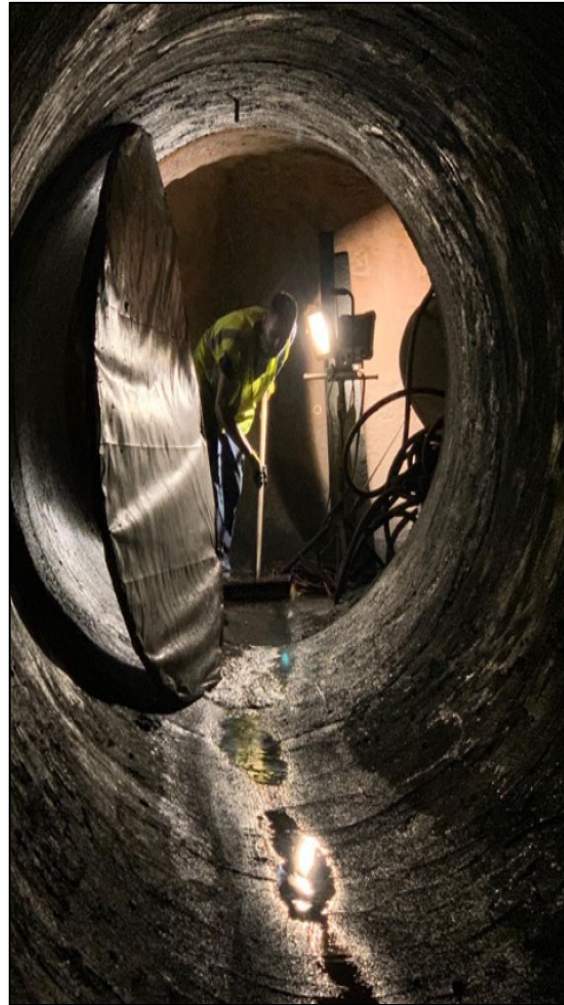


# Costa Sur Unit 6 Repairs In-Progress

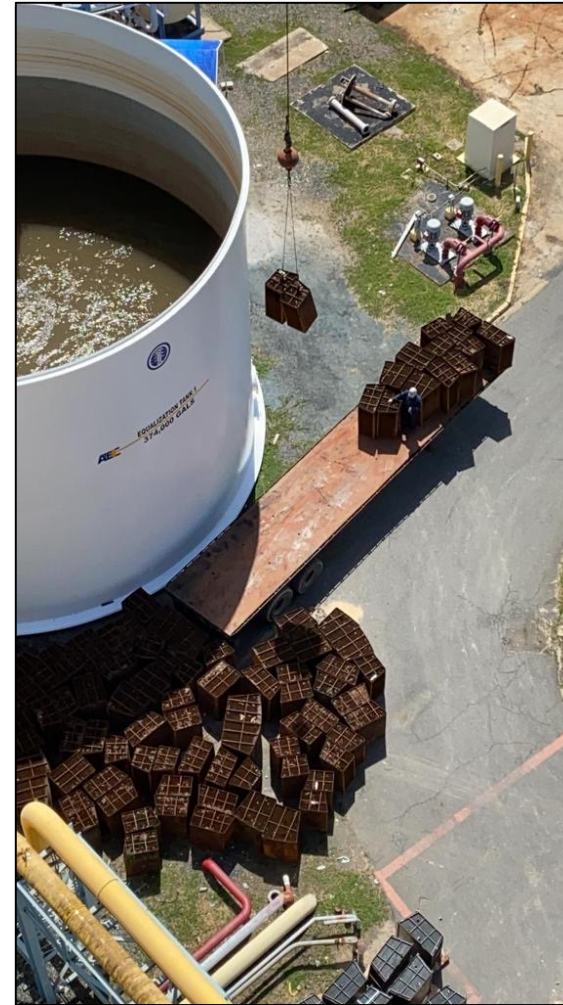
Condensate Pump Scaffold



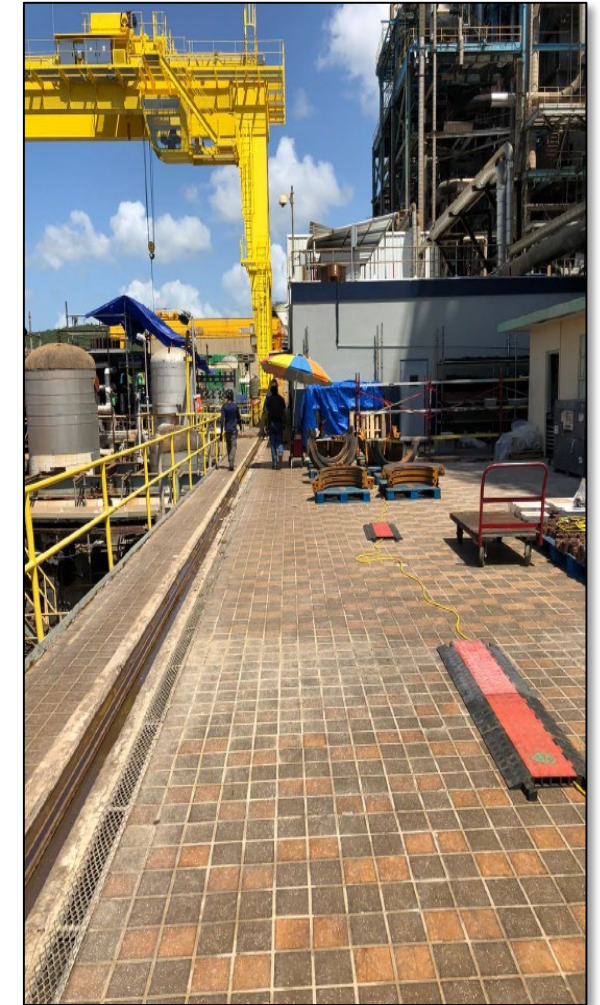
Wetblasting Process



Condensate Storage Tank



Turbine Deck Work



# 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
2	Mitigation Contract – Mechanical Repairs with Stamp R (Boiler)	Service Upon Request Agreement	\$250,000	Contract Available When Needed	TBD
3	Mitigation Contract – Mechanical Repairs without Stamp R	Service Upon Request Agreement	\$450,000	Contract Available When Needed	TBD
4	Mitigation Contract – Electrical and Instrumentation Repairs	Service Upon Request Agreement	\$125,000	Contract Available When Needed	TBD
5	New Natural Gas Ignitors	TBD	\$1,928,000	In-Planning Stage	TBD
<b>Total</b>			<b>\$2,753,000</b>		

\* 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*	Est. Amount	Contract #	Vendor Name
1	MPT 6 Secondary Containment Repair Works	Emergency Procurement	\$29,550	86581	5 SENSES SOLUTIONS LLC.
2	Project Management and Data Analytics Support	Other	\$187,000	87670	ACUMENIAN LLC
3	Civil, electrical and mechanical repairs to the Excitation Control Room Unit 6	Emergency Procurement	\$170,000	87646	AIT TECHNOLOGIES INC
4	Turbine Oil Flush	-	\$59,895	80175	ALLIED POWER TECHNOLOGIES
5	Design & Construction of a New Water Condensate 6	Request for Proposal Process	\$845,013	87958	ALONSO CARUS IRON WORKS INC
6	Scaffolding Services	Service Upon Request Agreement	\$425,000	84611	BRAND ENERGY INFRASTRUCTURE
7	Structural Repairs Unit 1-6	Request for Quotes (RFQs)	\$1,348,000	86331	CARIBE GE INTERNATIONAL ENERGY
8	Desuperheater Link Repairs	-	\$1,694,370	87333	CARIBE GE INTERNATIONAL ENERGY
9	Boiler Tube Purchase (Bifurcate)	-	\$137,564	87998	CARIBE GE INTERNATIONAL ENERGY
10	Asbestos Removal & Disposal Works Unit 5	Emergency Procurement	\$100,000	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 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*	Est. Amount	Contract #	Vendor Name
11	Project Management Services	Other	\$41,400	84270	CPM PR LLC
12	Transformer Testing	-	\$48,000	87169	ENGINEERING SERVICES
13	Safety Line Valves Repairs	-	\$186,723	85203	ENGINEERING SYSTEMS SALES
14	Condenser Tube Cleaning and Outlet Boxes	-	\$193,325	84917	ENVIRONICS ENGINEERING
15	Pipe Type Cable Repairs	Direct Negotiations	\$104,000	TBD	ENVIRONICS ENGINEERING
16	Lead Paint and Asbestos Sampling Analysis	-	-	87203	Environmental Health & Safety Services
17	Project Financial Controls Support	-	\$30,000	2020-P00087	FUSIONWORKS
18	Boiler Assessment	Service Upon Request Agreement	\$430,000	84002	GE FIELDCORE
19	Structural engineering consulting	-	\$92,500	86919	Heinsen Global Engineering (HGE)
20	Boiler Hydroblasting	Service Upon Request Agreement	\$125,000	80903	INDUCHEM SERVICES
21	Internal Cleaning - Boiler Steam Generators	Service Upon Request Agreement	\$102,256	78061	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 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*	Est. Amount	Contract #	Vendor Name
22	Oil Cooler Internal and External Cleaning	Request for Quotes (RFQs)	\$35,000	TBD	INDUCHEM SERVICES
23	Hydrogen Cooler	Request for Quotes (RFQs)	\$80,000	81017	INDUCHEM SERVICES
24	Lead Removal and Disposal Works - Structural Repairs Units 1-6	Emergency Procurement	\$150,000	86566	J R INDUSTRIAL CONTRACTORS INC
25	Stack cleaning , painting, refractory, and insulation work	Service Upon Request Agreement	\$600,000	86283	J R INDUSTRIAL CONTRACTORS INC
26	Replacement of Baskets Air Pre-heaters Baskets Unit 6	Emergency Procurement	\$387,705	87663	JC MECHANICAL INDUSTRIAL SERVICES LLC
27	Reverse Osmosis Filter Membrane Installation for Water Treatment	-	\$120,196	87433	LT AUTOMATION
28	Controls from interconnection work, all water condensate tank	Service Upon Request Agreement	\$67,000	65206	LT AUTOMATION
29	SS TANKS FOR PLANT RO CENTRAL SOUTH COAST	-	\$247,755	81974	LT AUTOMATION
30	Wiring for thermocouples and RTD for Unit 6 turbine	-	\$9,402	R243112	LT AUTOMATION
31	Condenser Discharge Tube Unit 6	Emergency Procurement	\$918,000	87630	MALNAT ASOCIADOS
32	Rails Replacement for Zenar Crane	-	\$830,000	82717	Master Link

\* 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*	Est. Amount	Contract #	Vendor Name
33	Turbine and Generator Repairs	-	\$5,847,849	87501	MECHANICAL DYNAMICS ANALYSIS.3
34	Project Management Support	Other	\$30,000	85215	SCOTTMADDEN, INC
35	Cargo Elevators Repairs	Service Upon Request Agreement	\$15,000	82412	VERTECH INC
36	Consumables (rods, angles, gases, etc.)	Service Upon Request Agreement	\$100,000	TBD	
<b>Total</b>			<b>\$15,787,503</b>		

\* 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)

**2238**

AS OF SEP 29, 2020

CUSTOMERS ENERGIZED

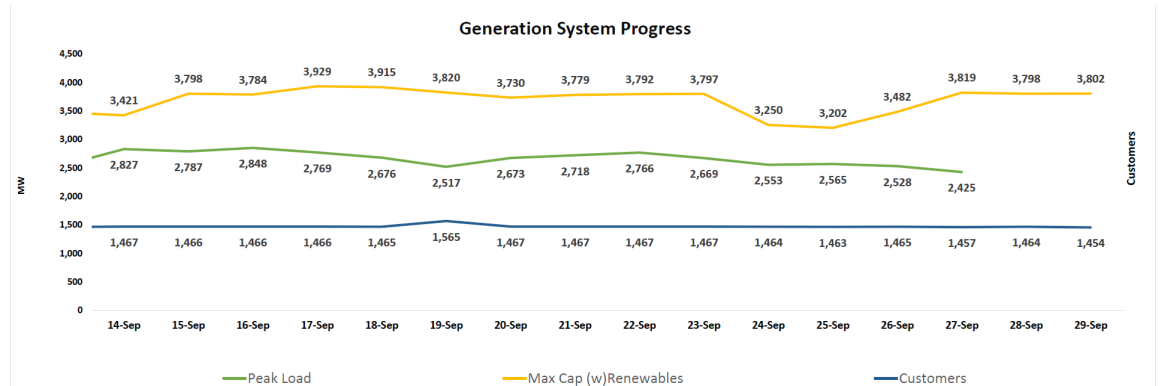
**99.07%**

1,454,528

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	71
Palo Seco	4	Base Load	216	150	130
Costa Sur	5	Base Load	410	310	310
Aguirre	1	Base Load	450	450	239
Aguirre	2	Base Load	450	450	240
Aguirre CC	Stag 1	Base Load	296	180	0
Aguirre CC	Steam 1	Base Load	96	18	0
Aguirre CC	Stag 2	Base Load	296	145	0
San Juan CC	CT 5	Base Load	160	160	120
San Juan CC	STG 5	Base Load	60	60	41
San Juan CC	CT 6	Base Load	160	160	120
San Juan CC	STG 6	Base Load	60	60	42
Cambalache	2	Peaker	82.5	75	0
Cambalache	3	Peaker	82.5	77	0
Daguao	1-1	Peaker	18	18	0
Daguao	1-2	Peaker	21	16	0
Aguirre Hidrogas	2-2	Peaker	21	21	0
Palo Seco Hidrogas	1-1	Peaker	21	19	0
Palo Seco Hidrogas	2-1	Peaker	21	21	0
Jobos	1-2	Peaker	21	19	0
Jobos	1-1	Peaker	21	18	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	29	14
EcoEléctrica	1	Base Load	177	177	129
EcoEléctrica	2	Base Load	177	177	129
ECO	Steam	Base Load	176	176	129
AES	1	Base Load	262	260	243
AES	2	Base Load	262	260	244
<b>Sub - Total</b>			<b>4350</b>	<b>3765</b>	<b>2201</b>
Renewables		Renewables	194	37	37
<b>Total</b>			<b>4544</b>	<b>3802</b>	<b>2238</b>

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	TBD
San Juan	8	Base Load	100	70	Available for Emergencies
Palo Seco	3	Base Load	216	90	December 19, 2020
Costa Sur	6	Base Load	410	410	December 18, 2020
Aguirre CC	Stag 2 (2-2)	Base Load	50	50	TBD
Aguirre CC	Steam 2	Base Load	96	50	TBD
Aguirre Hidrogas	2-1	Peaker	21	21	TBD
Palo Seco Hidrogas	1-2	Peaker	21	19	October 9, 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
<b>Sub-Total</b>			<b>1219</b>	<b>952</b>	
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
<b>Sub-Total</b>			<b>416</b>	<b>65</b>	
<b>Total</b>			<b>1635</b>	<b>1017</b>	

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



Exhibit B

*Contratos*



Contract

PUERTO RICO ELECTRIC POWER AUTHORITY

Contract: 00087663
Release :
Executed: 07/29/2020
Printed : 09/28/2020
Page : 1

Mail Invoice To:

AUTORIDAD DE ENERGIA ELECTRICA
DIVISION DE TESORERIA
P.O. BOX 70253
SAN JUAN PR 00936-8253

Vendor:

JUAN A. PÉREZ ORTÍZ
JC MECHANICAL INDUSTRIAL SERVICES LLC
PO BOX 931
PATILLAS PR 00723

Please Direct Inquiries to:

JOEL D. PANTOJAS-CARABALLO
JPANTOJAS13525@AEEPR.COM
Title: PROCUREMENT SUPV G5
Phone: 787-521-3034
Fax : 787-521-3171

Work Location:

JEFE OFIC ADM DIR SIST ELECT
NEOM 606
CARR. NUM. 1, KM 15.1
C. SAN ROBERTO FINAL
MONACILLOS PR 00926

Title: REPLACEMENT OF BASKETS - AIR PRE-HEATERS UNIT 6 CSPP

Total Value : \$581,055.00 USD
Pricing Method: ESTIMATE

\*\* NOT TO EXCEED \*\*

Contract Type : SERVICES
Project :

Start Date: 07/29/2020
End Date : 10/21/2020

Vendor Authorized Signature

Printed Name/Title

Date Signed

Phone

[Handwritten Signature]

Authorized Signature

Neftalí González Cruz JEFE DIVISION DE SUMINISTROS

Printed Name/Title

9/28/2020

Date Signed

787-571-3268

Phone

Insurance Requirements

Table with 4 columns: Coverage, Start, End, Insurance Description. Rows include AUTOMOBILE LIABILITY INSURANCE and COMMERCIAL GENERAL LIABILITY INSURAN.



Contract

PUERTO RICO ELECTRIC POWER AUTHORITY

Contract: 00087663
Release :
Executed: 07/29/2020
Printed : 09/28/2020
Page : 2

Table with 4 columns: Amount, Start Date, End Date, and Description. Rows include EMPLOYER'S LIABILITY INSURANCE, PAYMENT BOND, PERFORMANCE BOND, and WORKMEN'S COMPENSATION INSURANCE OF.

Contract Amendments

Amendment: 001 Execution Date : 09/28/2020
Title : INSTALACIÓN TOLAS ACERO - DUCTO GASES "AIR HEATER" U. 6 COSTA SUR
Amended Start : Amended End Date: 10/21/2020
Amendment Value: \$193,350.00
Pricing Method :

Amendment Scope

ENMIENDA # 1 (JPC/09-25-2020)
SE EMITE ESTA ENMIENDA PARA AUMENTAR LA CUANTÍA DEL CONTRATO POR \$193,350.00 ADICIONALES Y EXTENDER LA VIGENCIA DEL MISMO HASTA EL 21 DE OCTUBRE DE 2020. ESTO PARA CUBRIR TRABAJOS ADICIONALES PARA INSTALACIÓN DE TOLAS EN LAS PAREDES DEL DUCTO DE GASES 6-1 Y 6-2 DE ESTA UNIDAD.

ALCANCE DE TRABAJO

- 1) SUPLIR LABOR, EQUIPOS Y CONSUMIBLES REQUERIDOS PARA LA INSTALACIÓN DE TOLAS EN EL DUCTO DEL AIR HEATER DE LA UNIDAD 6.
2) INSTALACIÓN DE TOLAS DE ACERO EN TODOS LOS LADOS DE LAS PAREDES DE LA SECCIÓN DE GASES FRÍOS DEL DUCTO 6-1 & 6-2. APROXIMADAMENTE 410 PIES CUADRADOS. FABRICACIÓN DE PALOMETAS EN EL LADO ESTE Y REMOCIÓN DE REFUERZOS CENTRALES.
3) INSTALACIÓN DE TOLAS DE ACERO EN TODOS LOS LADOS DE LAS PAREDES DE LA SECCIÓN DE GASES CALIENTES DEL DUCTO 6-1 & 6-2. APROXIMADAMENTE 400 PIES CUADRADOS.
4) INSTALACIÓN DE TOLAS EN PAREDES (12" EN EL PERÍMETRO DEL EMBUDO) Y EN EL PISO DEL EMBUDO DEL DUCTO 6-1 & 6-2, EN UN ÁREA APROXIMADA DE 32' X 15'

NOTAS

- 1) GRÚA DE 250 TONS REQUERIDA PARA REALIZAR LOS TRABAJOS ESTARÁ INCLUIDA EN EL COSTO DE LA PROPUESTA.
2) EQUIPOS PARA MANEJO DE MATERIALES (MONTA CARGAS DE 10,000#) ESTÁ INCLUIDO.
3) MÓDULOS DE SOLDAR, CONSUMIBLES, HERRAMIENTAS Y EQUIPOS REQUERIDOS ESTARÁN INCLUIDOS EN EL COSTO DE LA PROPUESTA
4) MATERIALES REQUERIDOS (TOLAS DE ACERO, ANGULARES, ETC.) NO ESTARÁN INCLUIDOS EN EL COSTO DE LA PROPUESTA. LO PROVEERÁ LA AUTORIDAD.
5) EL TRABAJO SE REALIZARÁ EN UN MÁXIMO DE 4 SEMANAS CONSECUTIVAS (1



## Contract

PUERTO RICO ELECTRIC POWER AUTHORITY

Contract: 00087663  
Release :  
Executed: 07/29/2020  
Printed : 09/28/2020  
Page : 3

SEMANA = 7 DÍAS) .

DICHO CONTRATO AUMENTARÍA EN SU TOTALIDAD DE \$387,705.00 A \$581,055.00.  
ESTA ENMIENDA AL CONTRATO FUE DEBIDAMENTE APROBADA POR EL PRINCIPAL  
OFICIAL EJECUTIVO DE LA A.E.E. , ING. EFRAN PAREDES MAISONET.  
TODOS LOS DEMÁS TÉRMINOS, CONDICIONES Y ESPECIFICACIONES QUE NO HAYAN SIDO  
MODIFICADOS POR ESTA ENMIENDA QUEDAN INALTERADOS.

\* \* \* End of Contract \* \* \*





Contract

PUERTO RICO ELECTRIC POWER AUTHORITY

Contract: 00087998
Release :
Executed: 08/29/2020
Printed : 08/31/2020
Page : 1

Mail Invoice To:

Vendor:

AUTORIDAD DE ENERGIA ELECTRICA
DIVISION DE TESORERIA
P.O. BOX 70253
SAN JUAN PR 00936-8253

ALSTOM CARIBE INC
EL MUNDO OFFICE BUILDING
SUITE 205
383 FD ROOSEVELT AVENUE
HATO REY PR 00918

Please Direct Inquiries to:
FELIX MARTINEZ-MENDEZ
FMARTINEZ5895@AEEPR.COM
Title: BUYER
Phone: 787-521-3313
Fax : 787-521-3280

Ext:

Work Location:
JEFE OFIC ADM DIR SIST ELECT
NEOM 606
CARR. NUM. 1, KM 15.1
C. SAN ROBERTO FINAL
MONACILLOS PR 00926

Title: ORDEN COMPRA DIRECTA TUBOS BIFURCADOS CALDERA UNIDAD 6 COSTA SUR

Total Value : \$137,563.79 USD
Pricing Method: FIXED

\*\* NOT TO EXCEED \*\*

Contract Type : SERVICES
Project

Start Date: 08/31/2020
End Date :

Vendor Authorized Signature
Printed Name/Title
Date Signed
Phone
Authorized Signature
Printed Name/Title
Date Signed
Phone

Terms and Conditions - Text at End

Fac Standard Rev S/P Text Title
PH000001 004 S Y EQUAL OPPORTUNITY
PH000003 001 S Y PACKAGING, SHIPPING AND INVOICING INSTRUCTIONS