



**Puerto Rico
Electric Power
Authority**

Puerto Rico Electric Power Authority

13-Week Cash Flow Update

September 5, 2018

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General Overview

- The Current Forecast included in this report has been updated for actuals through 8/31/18; the forecast period is based on the July 27th Approved Budget
- The Current Forecast vs July 27th Approved Budget Cash Bridge captures the cumulative variance from 7/20/18 through 8/31/18
- Any timing related variances from actual weeks have not been re-timed into future periods for purposes of this analysis

Current Forecast vs July 27th Approved Budget

Cash Bridge as of August 31, 2018



- Ending cash balances includes Operating Accounts, Operating Reserve Fund and the Segregated Account
- “Customer collections” adverse variance of 1.6% over the six week time window
- “Emergency Related, net” variance due to timing of payments to restoration contractors and related FEMA reimbursements
- “Other Ineligible Uses” variance primarily due to timing of Title III related payments
- “Eligible Uses - Energy Purchases” variance primarily due to timing of payments to AES and EcoElectrica partially offset by higher diesel purchases
- “Eligible Uses – Employee Disbursements” variance primarily due to timing of health plan payments
- “Eligible Uses – Other” variance primarily due to lower maintenance spend partially offset by other accounts payable
- “Loan Activity” impacted primarily by the timing of cash disbursements

PUERTO RICO ELECTRIC POWER AUTHORITY

Cash in bank and time deposit accounts

Name	Account Number	Description	Notes	Date
				08/31/18
Banco Popular	██████████	Revenue Deposit Account	ZBA to Popular ██████████	-
Banco Popular	██████████	Revenue Deposit Account (Credit Cards)	ZBA to Popular ██████████	-
Banco Popular	██████████	Concentration Account	Active Concentration Account	68,824,915.87
Banco Popular	██████████	Disbursement Account	Per Diem & Small Local Vendors	1,001,930.79
Banco Popular	██████████	Revenue Deposit Account (Corp. Clients)	ZBA to Popular ██████████	-
Banco Popular	██████████	Revenue Deposit Account (Gov't Clients)	ZBA to Popular ██████████	-
Banco Popular	██████████	Concentration Account	Old Concentration Account	162,119.41
Banco Popular	██████████	Revenue Deposit Account	ZBA to Popular ██████████	-
Banco Popular	██████████	Project Guavate (related to mitigation work performed in Guavate; construction of underground lines)	Old FEMA Reimbursement Account	2,490,266.00
Oriental	██████████	Concentration Account	Active Concentration Account	87,607,045.20
Oriental	██████████	Deposit/Collateral Account	No balance	-
Oriental	██████████	Revenue Deposit Account	ZBA to Oriental ██████████	-
Oriental	██████████	Revenue Deposit Account - Lockbox	ZBA to Oriental ██████████	-
Banco Santander	██████████	Revenue Deposit Account	Revenue Deposit Account and used for certain payments	1,687,864.65
Scotiabank	██████████	Revenue Deposit Account	Manual Transfer to Popular or Citi	177,704.45
Firstbank	██████████	Revenue Deposit Account	Manual Transfer to Popular or Citi	1,407,909.60
GDB	██████████	PREPA Deposit Account at GDB	No longer used	-
GDB	██████████	PREPA Deposit Account at GDB	No longer used	-
Citibank	██████████	Disbursement Fuel Oil & Power Purchase	No longer used	-
Citibank	██████████	Concentration Account	Active Concentration Account	135,913,424.96
Citibank	██████████	Revenue Deposit Account	ZBA to Citi ██████████	-
Citibank	██████████	CWL Segregated Account	CWL Segregated Account	-
Total General Fund and CWL Segregated Accounts				\$ 299,273,180.93

Banco Popular	██████████	Payroll Account	Disbursement account to pay PREPA payroll	292,896.23
Total Working Funds				\$ 292,896.23

Citibank	██████████	Disbursement	Debt Service Related	13,114.62
Total Revenue Fund Account				\$ 13,114.62

Banco Popular	██████████	FEMA ██████ EM PR Irma	FEMA Irma	2,085,414.99
Banco Popular	██████████	FEMA ██████ DR PR Irma	FEMA Irma	95,507.45
Banco Popular	██████████	FEMA ██████ DR PR Maria	FEMA Maria	2,427,788.42
Total Emergency Fund Accounts				\$ 4,608,710.86

TOTAL CASH AND CASH EQUIVALENT

\$ 304,187,902.64

General Fund Accounts By Depository Institution

Banco Popular de Puerto Rico	\$	77,380,839.16
Citibank N.A.		135,926,539.58
Oriental Bank		87,607,045.20
First Bank		1,407,909.60
Banco Santander		1,687,864.65
Scotia Bank		177,704.45
Government Development Bank for Puerto Rico (GDB)		-
		\$ 304,187,902.64

Name	Account Number	Description	Notes	08/31/18
Oriental	██████████	Related to Via-Verde Project (connection of gas pipe, which is no longer being worked on)	Construction Fund Accounts	-
Citibank	██████████	Remaining funds related 2013 Series Bond Issuance	Construction Fund Accounts	1,293,021.68
Banco Popular	██████████	Funds used for project to rehabilitate San Juan generating unit	Construction Fund Accounts	2,117,203.10
GDB	██████████	PREPA Deposit Account at GDB	Construction Fund Accounts	-
Citibank	██████████	Special federal assignments to fund sponsored projects by the Environmental Quality Board ("JCA" in Spanish)	Construction Fund Accounts	5,983,826.27
Banco Popular	██████████	Legacy accounts (consider for closure)	Construction Fund Accounts	0.01
Banco Popular	██████████	2016 A Bond - Used for specific projects identified at the time of bond issuance process	Construction Fund Accounts	253,856.77
Citibank	██████████	2016 D Bond - Used for specific projects identified at the time of bond issuance process	Construction Fund Accounts	215,744.68
Citibank	██████████	PREPA Insurance	Insurance proceeds account related specifically to Hurricane Maria substation repair	50,327,087.21
Total Construction Fund Accounts				\$ 60,190,739.72

Citibank	██████████	Funds received from federal contributions or bond issuances used to finance the construction of infrastructure to provide electricity to rural areas in Puerto Rico	Investment Held By REA	1,126,812.53
Total Investment Held By REA				\$ 1,126,812.53

Citibank	██████████	Funds used to cover the cost of unusual or extraordinary maintenance or repairs, including major items of equipment as stipulated in the Trust Agreement	Reserve Maintenance Fund	16,424,584.95
Total Reserve Maintenance Fund				\$ 16,424,584.95

Banco Popular	██████████	Land Acquisition Project	Other Restricted Fund	1,944,748.93
Citibank	██████████	PREPA Trust Investment Clearing	PREPA Trust Investment Clearing	754.46
Total Other Restricted Fund				\$ 1,945,503.39

Citibank	██████████	One-time transaction	Invested funds regarding EcoElectrica transaction	3,240,309.62
Total PREPA Client Fund				\$ 3,240,309.62

TOTAL CONSTRUCTION FUND AND OTHER

\$ 82,927,950.21



**Puerto Rico
Electric Power
Authority**

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Grid Status Update

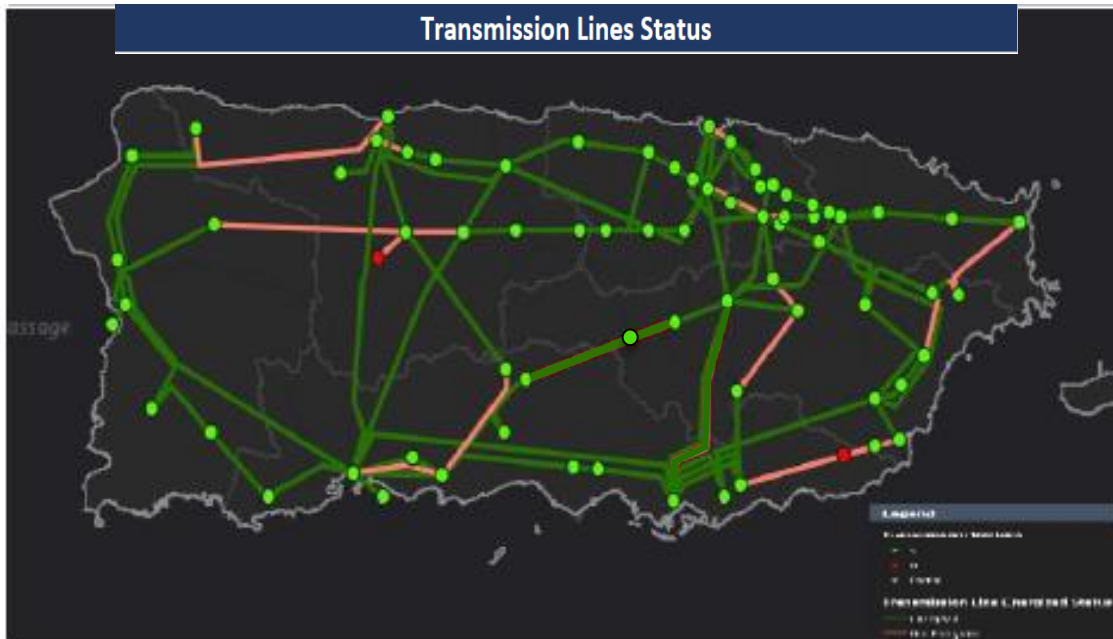
September 5, 2018

Transmission Restoration Progress Report – As of September 5, 2018

- Overall progress on transmission line restoration is 86%, calculated as completed line segments divided by total line segments. 230 kV line segments remaining:
 - Mora to Cambalache
- Progress on structure and component repair is 78%

86%

OVERALL PROGRESS
(As per completed Tasks)



TOTALS BY kV

(kV)	LINE SEGMENT	COMPLETED
230	17	16
115	86	73
Totals	103	89

TOTALS BY RESOURCE

	LINE SEGMENT	COMPLETED
PREPA	65	60
WHITEFISH	5	5
COBRA	17	11
NYPA	3	3
Fluor/PIKE	6	6
Fluor/ARC	1	1
Fluor/MasTec	0	0
Fluor/SEC	1	1
USACE/PowerSecure	2	2
Pending-RFP	3	0
Totals	103	89

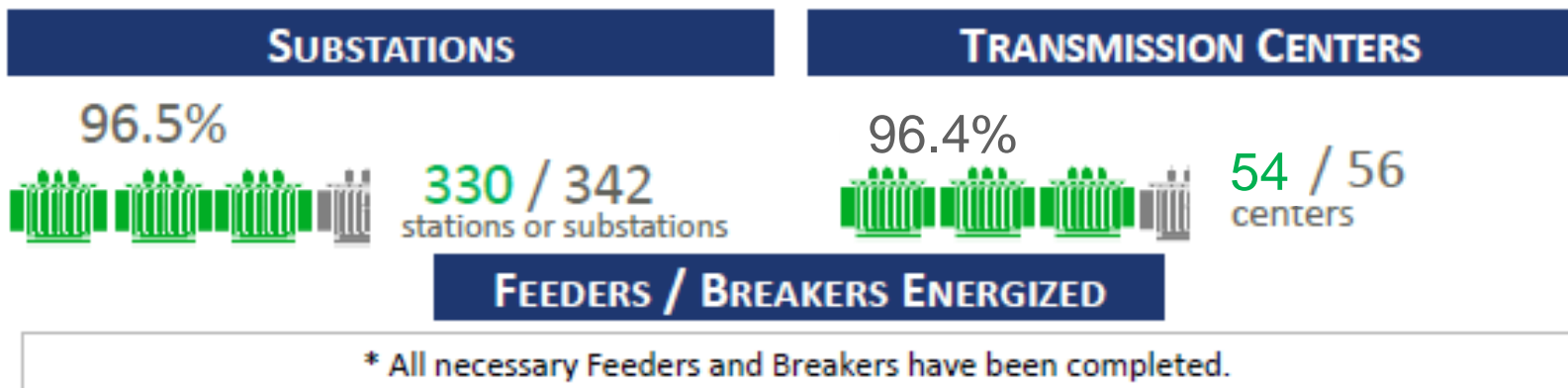
(kV)	STRUCTURES (Towers/Poles)		DAMAGES (Conductors/Insulators)		Overall Repairs/Restoration %
	DOWN	REPAIRED	DEFICIENCY	REPAIRED	
230	107	106	404	385	96%
115	639	440	831	618	72%
Totals	746	546	1235	1003	78%



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Distribution Restoration Progress Report – As of September 5, 2018

- Current load is 89% of comparable 2016 and 2017 levels
- ~96% of the island's 342 substations and 96% of the 56 transmission centers are energized
- Current estimate of distribution customers who have been energized is approximately 99+%
 - This estimate assumes that weatherheads (which are owned by and are the responsibility of the customer) on residences are fully repaired and that the customer is still using the residence—which is not the case for all properties
- Approximately 97% of the linkages between substation Communication Remote Units (CRUs) and the central customer billing system have been restored



**PREPA
Fossil Generation Status Report
5-Sep-18**

**Average Daily Peak Demand Over
Prior 7 Days (MW)**

2,385

<u>Plant Name</u>	<u>Unit #</u>	<u>Summer Rating (MW)</u>	<u>Fuel</u>
<u>Available Units</u>			
AES		454	Coal
EcoElectrica		507	NG
Aguirre	1	450	FO6
Costa Sur	4	85	FO6
Costa Sur	5	410	NG/FO6
Costa Sur	6	410	NG/FO6
Palo Seco	1	85	FO6
Palo Seco	3	216	FO6
San Juan	5	220	FO2
San Juan	6	220	FO2
San Juan	8	100	FO6
San Juan	9	100	FO6
Mayaguez	GT1A	28	FO2
Mayaguez	GT3A	28	FO2
Mayaguez	GT4A	28	FO2
Mayaguez	GT4B	28	FO2

Total Available Units

3,367

Suspended Operations due to Economics

Aguirre	CC1	296	FO2
Aguirre	CC2	296	FO2
Cambalache	2	83	FO2

Total Suspended Units

675

Units Out of Service

Aguirre	2	450	FO6	Scheduled Outage until early September
Costa Sur	3	85	FO6	
Palo Seco	2	85	FO6	
Palo Seco	4	216	FO6	Scheduled Outage until late December
San Juan	7	100	FO6	Scheduled Outage until mid-September
San Juan	10	100	FO6	
Cambalache	1	83	FO2	
Cambalache	3	83	FO2	Early September return to service
Mayaguez	GT1B	28	FO2	
Mayaguez	GT2A	28	FO2	
Mayaguez	GT2B	28	FO2	
Mayaguez	GT3B	28	FO2	

Total Units Out of Service

1,311

PREPA

Emergency Spend and Reimbursement Flash Report as of 8/31/18

\$ In millions

Printed: 9/5/2018 15:47

Emergency Spend To Date			
Description	Paid	Unpaid (a)	Total
Whitefish	\$ 36.9	\$ 105.5	\$ 142.4 (b)
Cobra	805.4	154.6	960.0 (c)
XGL	26.3		26.3
PREPA Overtime	122.1		122.1 (d)
Local Contractors (Labor)	14.7	5.1	19.8
POs for Emergency Materials		54.4	54.4 (e)
Environics	0.4	1.4	1.8
Other Outstanding Payables	TBD	TBD	TBD
Total	\$ 1,005.8	\$ 321.0	\$ 1,326.8

Notes:

- (a) Estimated and subject to change.
- (b) Based on project worksheet submitted to the GAR on 6/29/18.
- (c) Based on invoice values provided by Cobra as of 8/31/18.
- (d) Includes amounts from payroll for overtime for the period 9/10/17 through 8/11/18.
- (e) Represents value of purchase orders issued for emergency materials issued between 9/19/17 and 12/18/17.

Submitted Project Worksheets Summary

Description	Amount	Obligated by FEMA	Funds Received by PREPA	Funds Transferred	Funds Remaining
				to PREPA Operating Account (a)	in PREPA Emergency Account
PREPA Force Account - Irma	\$ 9.6	\$ 9.6	\$ 7.2	\$ 5.2	\$ 2.0
PREPA Force Account - Irma (Customer Service)	2.7	-	-	-	-
Peaking Units - Irma	7.1	7.1	-	-	-
Local Contractors - Irma	0.2	0.2	0.1	-	0.1
PREPA Force Account - Maria	45.0	45.0	45.0	42.8	2.2
Cobra Original Contract	200.0	200.0	200.0	200.0	-
Cobra Amendments - #4, #5	745.4	745.4	547.4	547.3	0.1 (b)
Cobra Remaining Emergency Work	250.0	250.0	-	-	- (c)
Insured Assets	25.0	-	-	-	- (d)
Purchase Equipment	10.3	10.3	-	-	-
XGL	7.9	7.9	-	-	- (e)
Mutual Aid Parties	425.0	66.4	-	-	- (f)
Local Contractors - Maria	4.2	0.3	-	-	- (g)
Environics	0.4	0.4	0.2	0.2	0.0
Peaking Units - Maria	142.0	130.9	130.9	130.9	- (h)
Cidra Excavation	0.1	0.1	0.1	-	0.1
PREPA NET	0.0	-	-	-	-
RFP – Grid Hardening	500.0	-	-	-	-
Transient Recorders	0.6	-	-	-	-
Vieques and Culebra T&D	172.4	-	-	-	-
Del Valle Contract (Guajataca Dam Project)	10.4	10.4	-	-	-
Generators	58.5	58.5	-	-	-
Whitefish	142.4	-	-	-	-
Total	\$ 2,759.3	\$ 1,542.6	\$ 930.9	\$ 926.3	\$ 4.6

Notes:

- (a) Transfers to PREPA Operating Account cumulative through 8/31/18.
- (b) FEMA has obligated \$745.4M and funded \$547.4M to PREPA through 8/31/2018. PW is officially in Emmie for \$745.4M.
- (c) FEMA repurposed \$650M of the underlying \$900M contract into restoration.
- (d) Amount represents insurance deductible. PW has now been separated into 7 PWs.
- (e) Amount paid to XGL less invoices referencing Whitefish. FEMA reduced amount from \$11.7M to \$7.9M in the PW.
- (f) Total of 31 PWs for an amount of \$423.2M submitted to FEMA for review. One PW included represents MOU insurance for an amount of \$1.8M.
- (g) Amount based on initial version of local contractor PWs submitted to FEMA on 3/15/18.
- (h) PW has been versioned to include Peaking Unit use from March through May 2018 for an additional amount of \$11.1M.

In Process Project Worksheets Summary

Description	Count	Amount	Comments
Local Contractors	42	\$ 15.4	(a)
PREPA Distribution	26	TBD	
PREPA Transmission	1	TBD	(b)
Direct Administrative Costs	1	TBD	
Microgrid Management	1	TBD	
Circuit Breakers	1	TBD	
PREPA Force Account - Maria (Customer Service)	1	TBD	
RFP - Foreman	1	TBD	
Total	74	\$ 15.4	

Notes:

- (a) Amount represents local contractors which have been identified as of 8/31/18.
- (b) Approach for PREPA Transmission changed from one PW per line to one PW for all of Transmission.

