#### GOVERNMENT OF PUERTO RICO PUBLIC SERVICE REGULATORY BOARD PUERTO RICO ENERGY BUREAU

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Received:

Apr 13, 2021

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**IN RE:** THE UNBUNDLING OF THE ASSETS OF THE PUERTO RICO ELECTRIC POWER AUTHORITY

CASE NO.: NEPR-AP-2018-0004

**SUBJECT:** April 15 Technical Conference; Presentation

#### MOTION TO SUBMIT PRESENTATION TO BE PROJECTED DURING THE APRIL 15, 2021 TECHNICAL CONFERENCE

TO THE HONORABLE PUERTO RICO ENERGY BUREAU:

1. On February 5, 2021, the Puerto Rico Energy Bureau of the Public Service Regulatory Board (the "Energy Bureau") issued a *Resolution and Order*<sup>1</sup> setting the procedural calendar for the case of caption. The procedural calendar establishes that the second Technical Conference will be held on April 15, 2021 (the "April 15 Technical Conference").

2. On April 9, 2021, the Energy Bureau issued a *Resolution an Order*<sup>2</sup> in which it stated that the April 15 Technical Conference will be held remotely and also, directing the Puerto Rico Electric Power Authority (the "Authority") to file a copy of the presentation to be used during the April 15 Technical Conference today, on or before 5:00 pm.

3. In compliance with the Order, the Authority hereby submits its presentation for the April 15 Technical Conference. Exhibit A.

WHEREFORE, the Authority respectfully requests the Energy Bureau to note the Authority's compliance with the Order.

RESPECTFULLY SUBMITTED.

In San Juan, Puerto Rico, this 13<sup>th</sup> day of April 2021.

<sup>&</sup>lt;sup>1</sup> Resolution and Order entered on February 5, 2021 (the "Feb 5 Order").

<sup>&</sup>lt;sup>2</sup> Resolution and Order entered on April 9, 2021 (the "Order").

Katiuska Bolaños Lugo TSPR 18,888 <u>kbolanos@diazvaz.law</u>

<u>s/ Joannely Marrero Cruz</u> Joannely Marrero Cruz TSPR 20,014 <u>jmarrero@diazvaz.law</u>

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#### **CERTIFICATE OF SERVICE**

It is hereby certified that, on this same date, I have filed the above motion with the Office of the Clerk of the Energy Bureau using its Electronic Filing System at <u>https://radicacion.energia.pr.gov/login</u>, and a courtesy copy of the filling was sent via e-mail to <u>hrivera@oipc.pr.gov</u>, <u>ramonluisnieves@rlnlegal.com</u>; <u>manualgabrielfernandez@gmail.com</u>; <u>ccf@tcm.law</u>.

In San Juan, Puerto Rico, this 13<sup>th</sup> day of April 2021.

<u>/s Joannely Marrero Cruz</u> Joannely Marrero Cruz

#### Exhibit A



# **Unbundled Rates** for Wheeling

#### **Technical Conference #2**





Authority

April 15, 2021



Guidehouse

### Purpose & Agenda

#### Purpose:

- Per Resolution and Order issued February 5, 2021 related to Case No. NEPR-AP-2018-0004, PREPA is required hold this Technical Conference to address the following:
  - Present preliminary findings related to the rate design and testing of the proposed unbundled rate
  - Present preliminary findings related to the work performed in the unform wheeling agreement
- To meet these requirements, PREPA's consultant, Guidehouse, has prepared the following materials and will discuss the work to date, preliminary findings and identified key challenges.

#### Agenda:

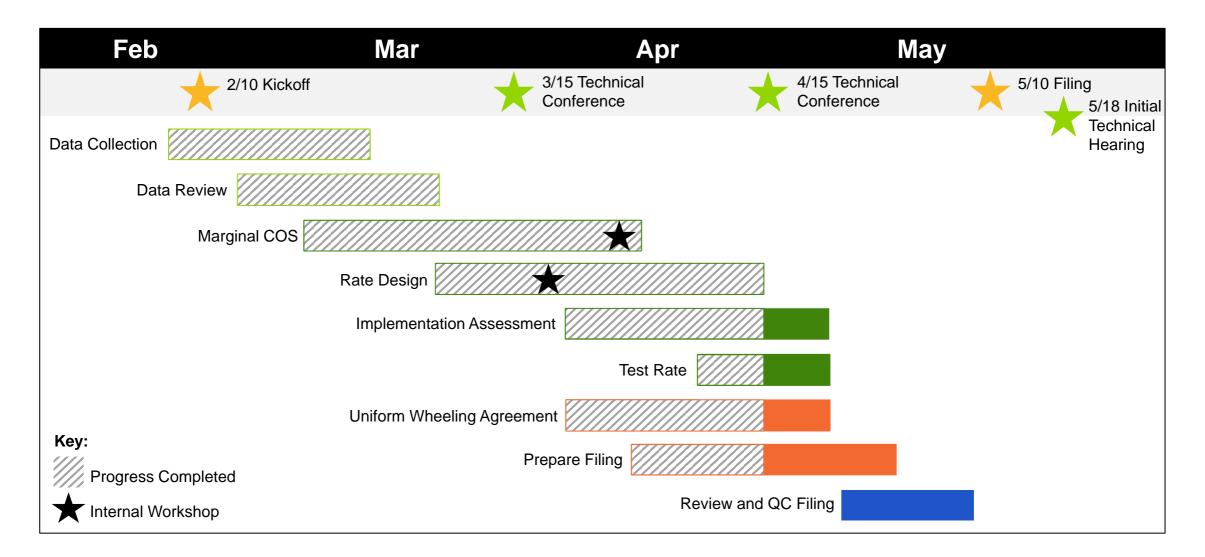
#### Unbundled Rate Structure

- 1. Step by step description of process to develop the unbundled rate structure
- 2. Preliminary results of components for unbundled rates
- 3. Key challenges in setting unbundled rates

#### Uniform Wheeling Services Agreement

- 1. Step by step description of Uniform Wheeling Services Agreement process
- 2. Key challenges in developing Uniform Wheeling Services Agreement

#### **Schedule Recap**



# Unbundled Rate Structure Step by Step Process

Note: This symbol indicates a slide that will be presented during the Technical Conference. Slides without this symbol provide additional context for readers but will not be presented unless there are specific questions on the material.

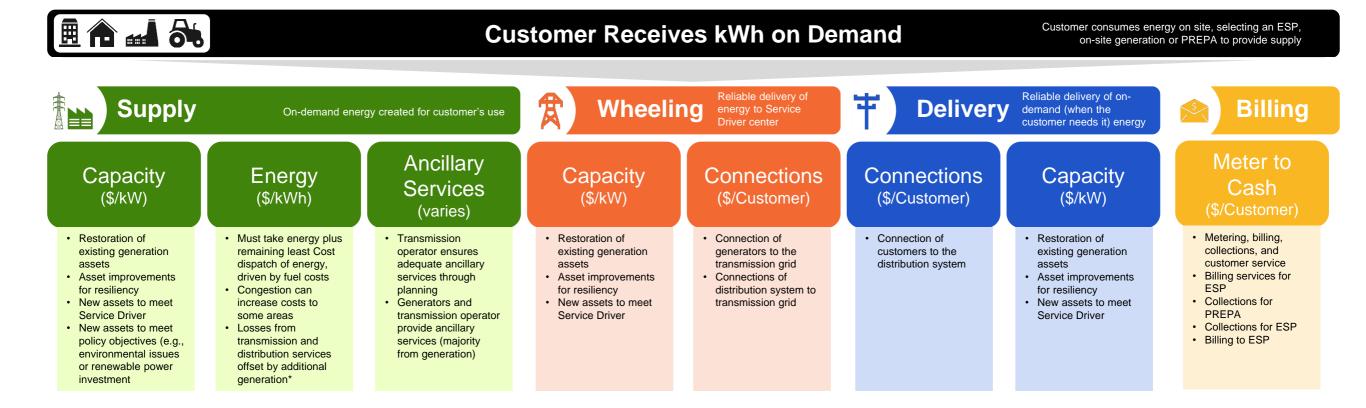


Unbundled Rates – Step by	Step !
Step 1: Determine "Bundles" of Services Identify distinct functions ner (Generation, Transmission,	
Step 2: Determine "Marginal Costs" Using PREPA's forection then calculate margin	asted data, determine cost drivers and al costs by service
Step 3: Determine Marginal Cost RRQ Determine total dr marginal costs rev	ivers by customer class and calculate venues by service
	ved revenue requirement, determine remaining, or venue requirement not recovered
	which marginal and residual costs by service are d by PREPA if a customer chooses alternative supply
	lentify which marginal and residual costs by service may crease if a customer chooses alternative supply
Step 7: Calculate Cost Reflective Rates & Allocate Costs	Determine cost driver by customer class, calculate cost reflective rate & use cost reflective rate to allocate costs to class
Step 8: Determine Billing Determinants	Determine cost driver by customer class, calculate cost reflective rate & use cost reflective rate to allocate costs to class
Step 9: Calculate End-Use	r Rates Calculate rates by rate component and aggregate to end-user rates
Guidehouse Step 10: Calculate Gen Wheeling Rate	

### **Unbundling of Services**

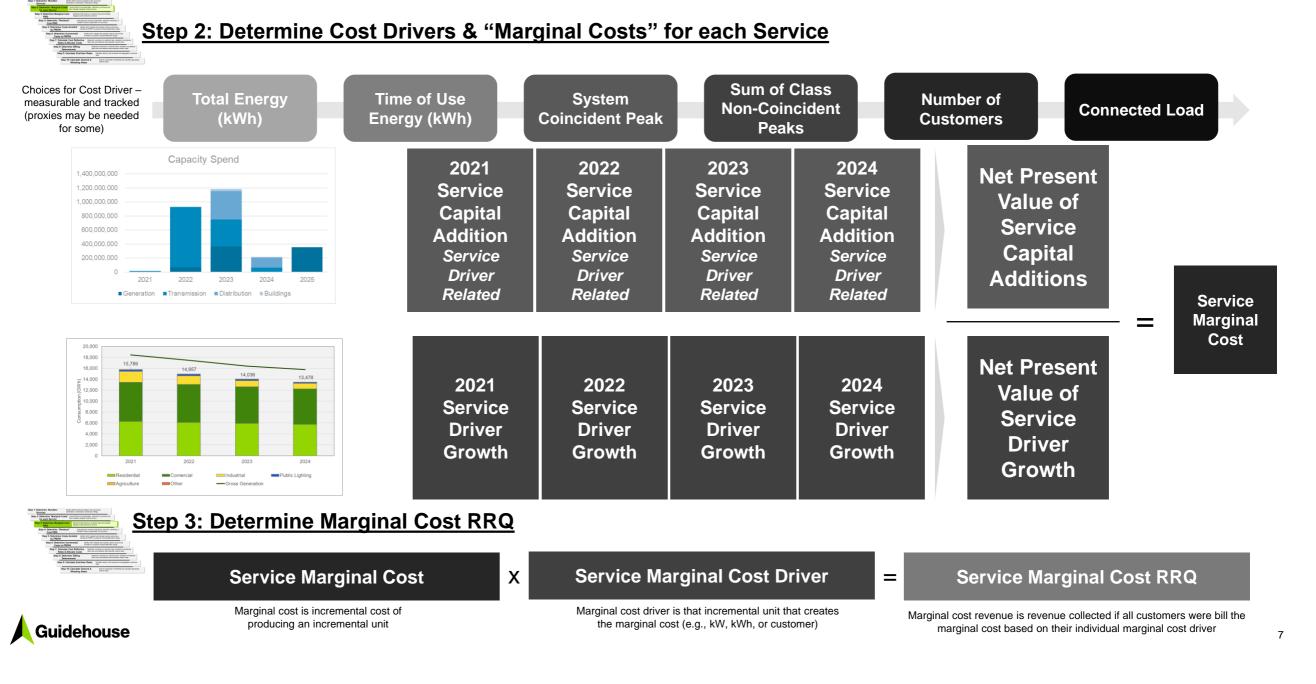


Step 1: Determine "Bundles" of Services



**Guidehouse** \*Proposal is to have losses covered by ESP vs financially settled and PREPA physically covering

### **Unbundling of Services**





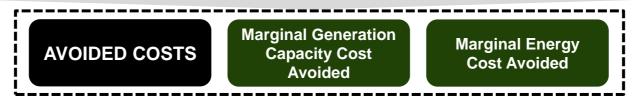


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Avoided costs = marginal costs assumed to be avoided



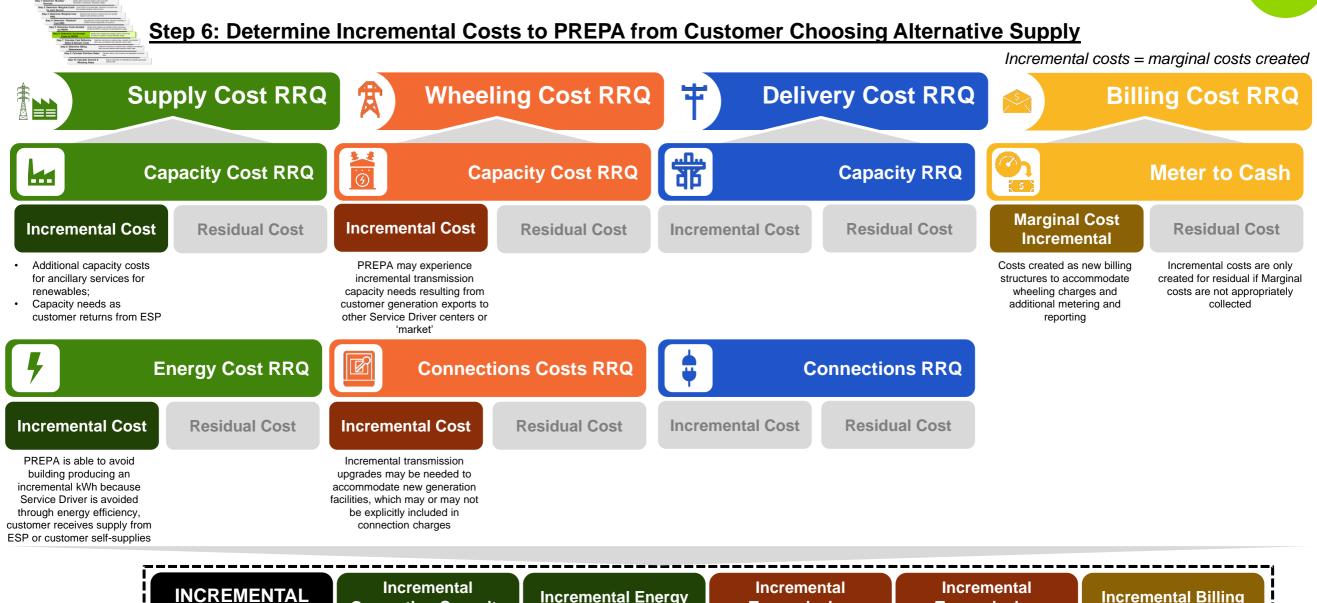


**Generation Capacity** 

Cost

COSTS

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Cost

Transmission

Capacity Cost

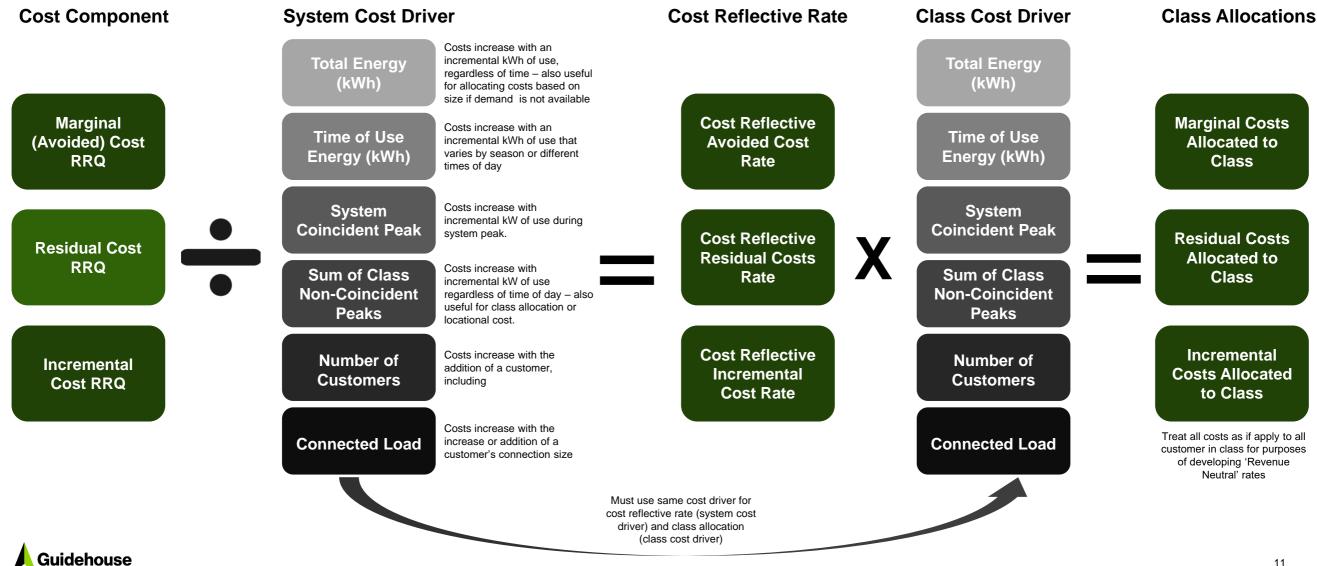
Transmission

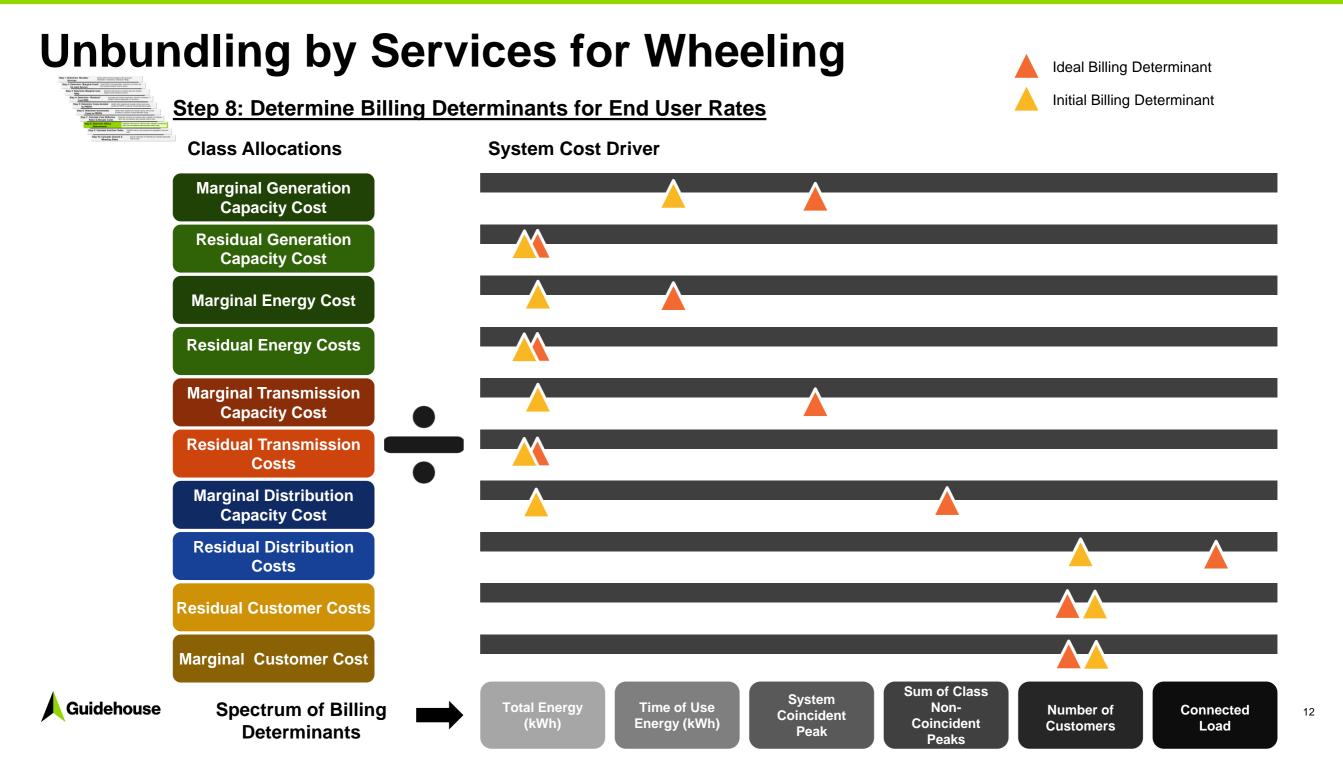
**Connection Cost** 

Cost



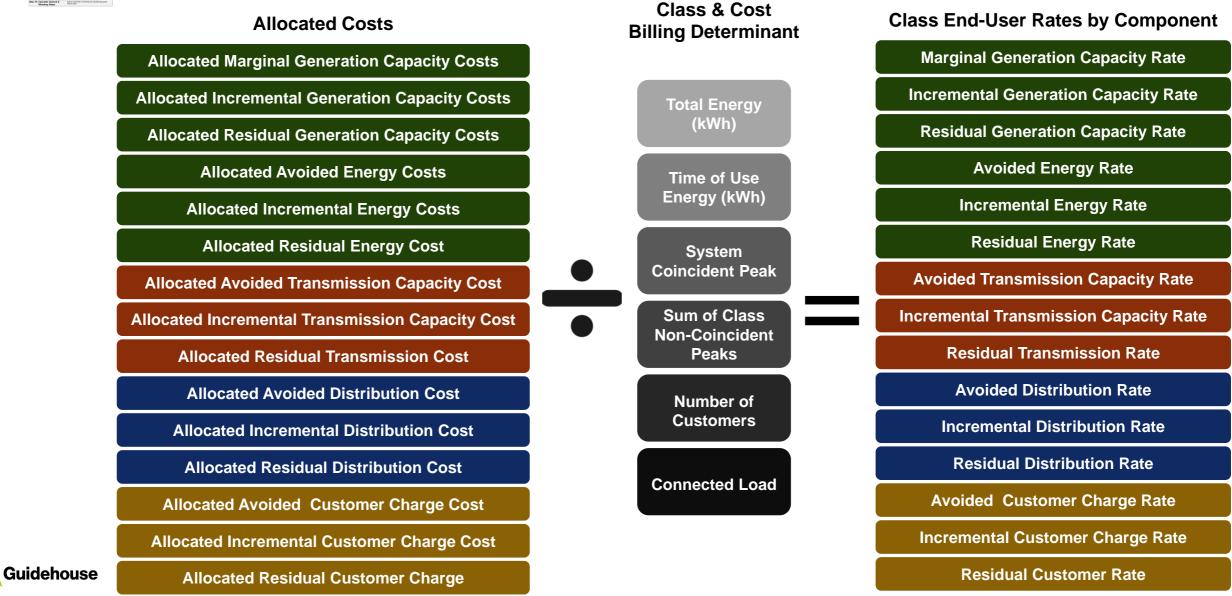
Step 7: Calculate Cost Reflective Rates & Allocate Costs







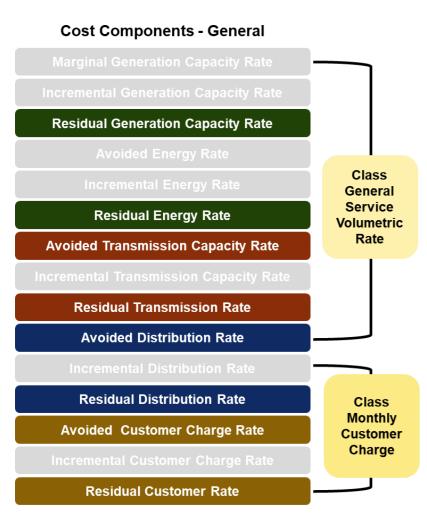
#### Step 9: Calculate General Services Rates by Class

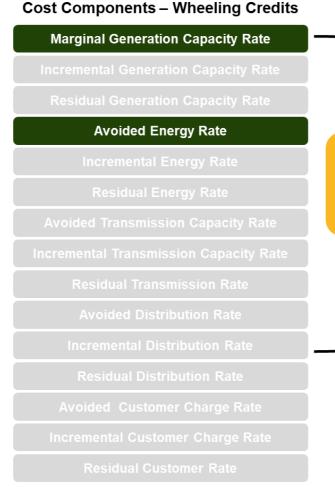


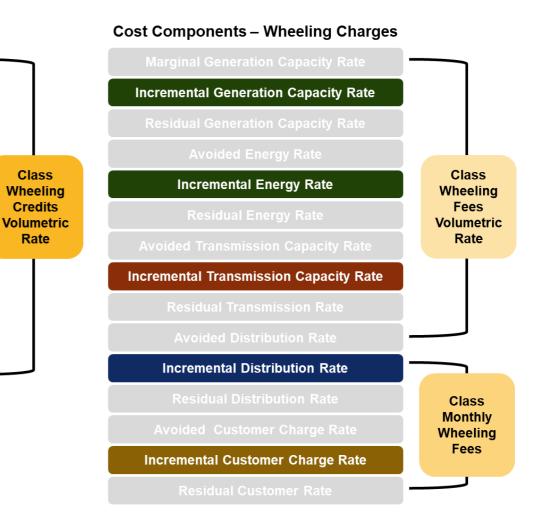
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#### Step 10: Calculate General & Wheeling Services Rates by Class

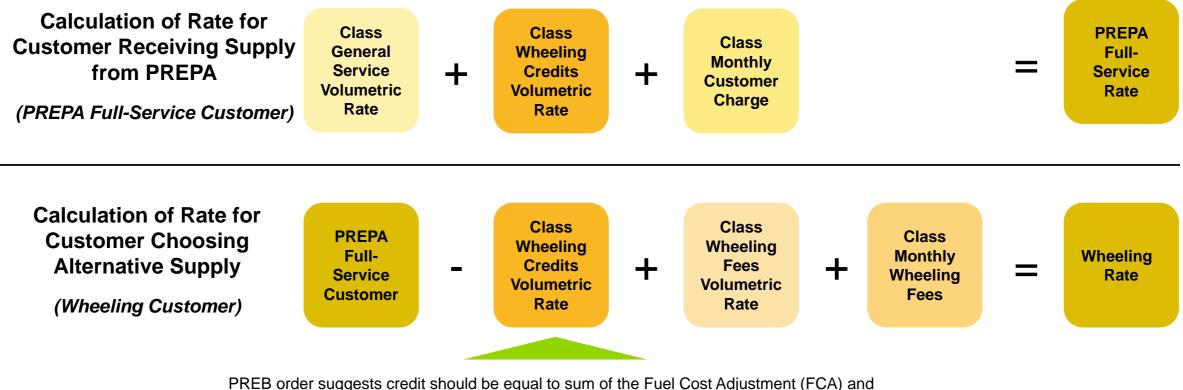








Step 10: Calculate Wheeling Services Rates by Class - continued



REB order suggests credit should be equal to sum of the Fuel Cost Adjustment (FCA) a the Purchase Power Cost Adjustment (PPCA).

This has the potential to overstate the credit because some resources are 'must take' and therefore not avoidable with a customer departure. As such any credit must be adjusted for these 'must take' assets otherwise PREPA's remaining customers will pick up these costs that were incurred on behalf of the departing customer

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(1) Billing Determinant (BD)

# Unbundled Rate Structure Preliminary Results

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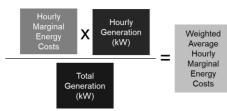


#### **Calculation of Marginal Costs**

#### **Marginal Capacity Costs**

ginar	Sapacity 003	Ser Dri	ie of vice ver wth						
	Restoration (\$M)	<b>2021</b> \$0.0	<b>2022</b> \$7.2	<b>2023</b> \$34.9	<b>2024</b> \$0.0	<b>NPV</b> \$37.4	Ratio of Cost to Load \$3.55	Loading Factor 3.94%	<b>\$/kW</b> \$0.14
Nominal	Resilience (\$M)	\$0.0	\$49.0	\$330.5	\$0.0 \$0.0	\$553.0	\$52.49	3.94%	\$2.07
Generation Capital	Life Cycle Replacement (\$M) Load Growth (\$M)	\$0.0 \$0.0	\$0.0 \$0.0	\$0.0 \$0.0	\$0.0 \$0.0	\$0.0 \$0.0	\$0.00 \$0.00	3.94% 3.94%	\$0.00 \$0.00
	Policy (\$M)	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.00	3.94%	\$0.00
Load	Load (MW) Load Growth (MW)	2,744.7	2,661.9 -82.8	2,590.6 -71.3	2,538.4 -52.2	10,535.6			

#### **Marginal Energy Costs**



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	Cost (\$)	Demand (MW)	Avg Price (\$/MW)	Avg Price (¢/kW)
2020	1,271,873,538	18,368,534	69.24	6.924
2021	1,939,316,142	18,251,839	106.25	10.625
2022	1,445,455,631	17,715,974	81.59	8.159
2023	1,439,782,286	17,178,158	83.81	8.381
2024	1,545,794,258	16,774,870	92.15	9.215

Net Present

Value of Service Capital

Additions

Net Present

=

These results show the computed marginal energy costs.

Total generation costs in 2017 were ~\$1.94 B

Care must be taken as these costs are highly dependent upon fuel costs, actual loads and load variability, and generation performance

17



These results show no

**Marginal Generation** 

**Capacity Costs** 

#### **Calculation of Marginal Cost Allocated to Class**

Results of Applying Cost Reflective Marginal Cost Rates to Proxy Class Loads

	Peak Calculation Example							
		Residential	Commercial	Industrial	Lighting	Other	Agriculture	Total
[1]	Load (MWh)	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	6,000,000
[2]	Load Factor	66.9%	70.2%	81.2%	49.3%	73.6%	46.8%	
[3] = [1] / [2]	Load @ 100%	1,494,768	1,424,501	1,231,527	2,028,398	1,358,696	2,136,752	9,674,642
[4] = [3] / 8760	Non-Coincident Peak (MW)	171	163	141	232	155	244	1,104
[5]	Coincidence Factor	100%	70%	85%	100%	80%	32%	
[6] = [4] * [5]	Coincident Peak (MW)	171	114	119	232	124	78	838
	Peak Calculation Based of	on PREPA's Fored	asted Consump	otion (2022)				
		Residential	Commercial	Industrial	Lighting	Other	Agriculture	Total
[1]	Load (MWh)	6,088,600	6,968,300	1,563,400	271,600	40,300	24,900	14,957,100
[2]	Load Factor	66.9%	70.2%	81.2%	49.3%	73.6%	46.8%	
[3] = [1] / [2]	Load @ 100%	9,101,046	9,926,353	1,925,369	550,913	54,755	53,205	21,611,642
[4] = [3] / 8760	Non-Coincident Peak (MW)	1,039	1,133	220	63	6	6	2,467
[5]	Coincidence Factor	100%	70%	85%	100%	80%	32%	
[6] = [4] * [5]	Coincident Peak (MW)	1,039	793	187	63	5	2	2,089

Data proxies from PREPA's IRP were used to forecast peak demand by customer class to calculate marginal cost revenue



# Unbundled Rate Structure Key Findings & Challenges

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### **Key Findings – Unbundled Rates**



FINDING #1	Marginal Costs for Generation Capacity is calculated as zero	FINDING #3	Marginal Costs for Generation Resilience are system upgrade capital costs
CONCLUSION	Generation credit is limited to marginal energy costs from fuel and O&M and tied to energy (kW) by class	CONCLUSION	These costs, regardless of if they are funded by FEMA should be depreciated to account for future replacement costs
FINDING #2	Marginal Costs for Generation Restoration are one-time costs	FINDING #4	Capital costs are funded by FEMA grant or PREPA's cash balances
CONCLUSION	These costs are considered residual and treated as expense in the year incurred	CONCLUSION	Revenue requirement for these capital expenses should be commuted without return on investments or tax gross up



### **Key Challenges – Unbundled Rates**

CHALLENGE #1	Poor data quality for embedded costs and linkages to revenue requirement and issues related to rate freeze create	CHALLENGE #3	Load data by customer group is limited: class level demand can be computed but developing demand-based billing determinants are challenged		
	uncertainty on allocation of current costs – Allocation by function (generation, transmission, distribution and customer	RESOLUTION	<ol> <li>Allocate based on Class Demand – data are available</li> <li>Use energy as rate billing determinant – data are available</li> </ol>		
RESOLUTION	services) Establish an Unbundling Framework that can persist for the next decade, or beyond, but updated as PREPA's data	CHALLENGE #4	PREPA's revenue requirement is set for next three years regardless of actual energy costs and influences capital investments by PREPA & thus timing of capital expenditures is fluctuating		
CHALLENGE #2	improve Sector restructuring creates uncertainty	RESOLUTION	Base marginal cost estimates on PREPA's 10-year plan – DTIM method is forgiving for changing of timing of capital, with changes being driven by time value of money vs costs and load linkages		
	<ul> <li>namely creation of GenCo that will own and operate generation assets and sell supply to PREPA – could result in a change in marginal costs for PREPA depending on GenCo's compensation structure and "transfer pricing" to PREPA</li> </ul>	CHALLENGE #5	Given current market structures, ESPs with generation costs less than average costs (e.g., lower on the supply stack) may serve customers directly vs through PPAs with PREPA, increasing PREPA's average rate. This potentially increases costs for PREPA's customers		
RESOLUTION	Emphasis an Unbundling Framework that is able to accommodate market changes	RESOLUTION	Develop true-up mechanism that ensure that if a customer leave PREPA's service there are no incremental costs to PREPA's customers – Despite reliance on marginal costs to determine the amount of credit, PREPA's actual supply costs are the average of		
Guidehouse			all generation and PPAs dispatched to serve load. Until a fully functioning wholesale market is established and PREPA's rates are based on these market costs, there is the potential for cost shifting		

# Uniform Wheeling Agreement Step by Step Process

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## Universal Wheeling Services Agreement – Step by Step

	For each service, identify entities ncluding PREPA, ESPs, Wholesa	•				
Step 2: Determine Wheeling "Model"	Determine potential processe supply and delivering) & finar					
Step 3: Identify Operational Scenarios - Imbalances	Determine different ope reconciliation with PRE					
Step 4: Identify Operationa Scenarios - Conges		•	erational scenarios for wheeling for congestion			
Step 5: Determine Loss Congestion Cha		sses Adder a	and any charges for congestion			
Step 6: Determine O Requirement		•	services & processes must the ESP or llow (e.g., metering, customer enrollment)			
Step 7: Determin Between		• •	ayments must be made between PREPA & ESP e.g., reimbursement for collected revenues)			
	Step 8: Determine Credit Terms for ESP       Develop process for determining credit and collateral requirements by ESP and how they evolve over time         Step 9: Determine Customer Return Process       Determine process for customer returning to PREPA from ESP, to include reconciling balances & serving new supply					
step 7	10: Determine Requir 'True-Up' Mechan		Identify proper 'true-up' mechanisms need to adjust for data uncertainty, market conditions or operational disruptions			

## **Unbundling of Services**



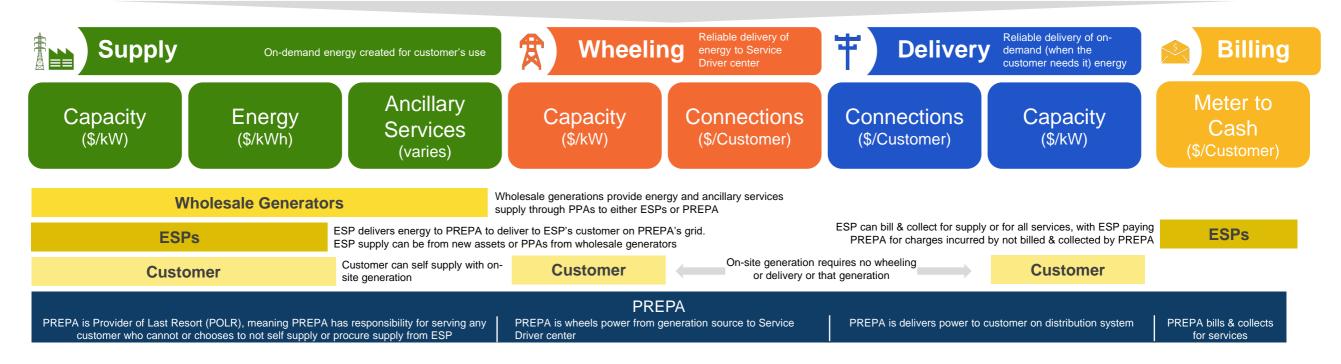
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#### Step 1: Determine Providers of each 'Bundled' Service

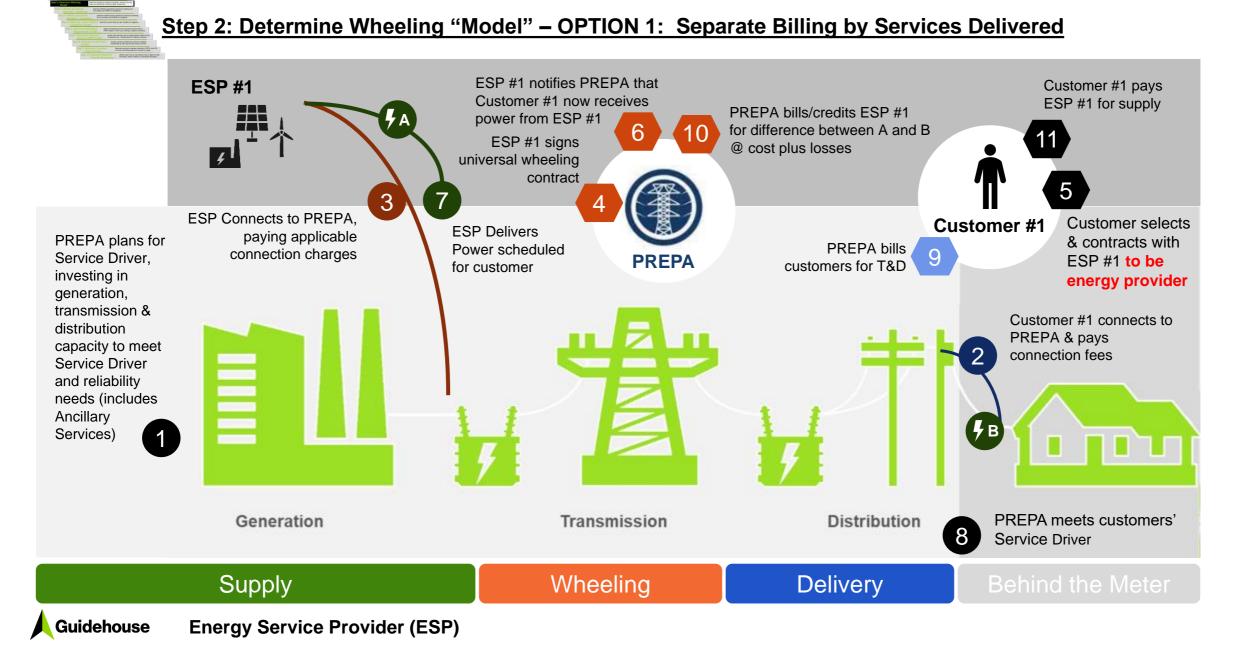
#### Customer Receives kWh on Demand

Customer consumes energy on site, selecting an ESP, on-site generation or PREPA to provide supply



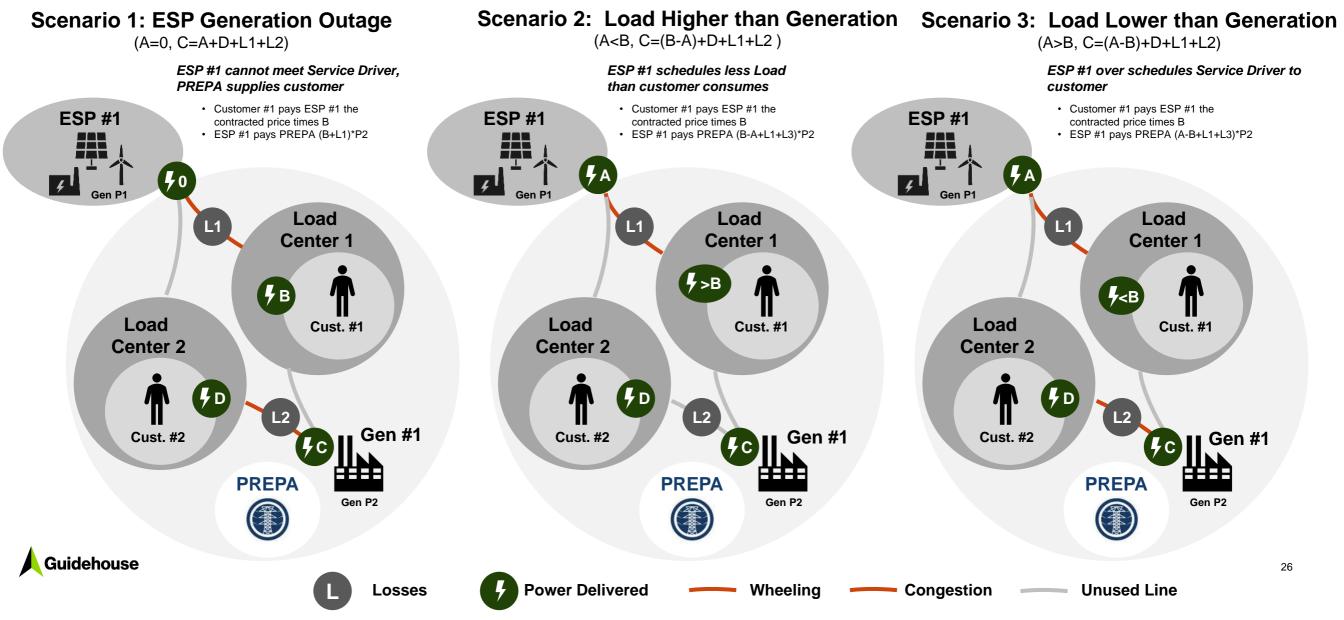
Guidehouse recommends wheeling associated with self-generating customers should be limited to supply and any additional avoided costs associated with wheeling and delivery should be dealt with outside the wheeling tariff





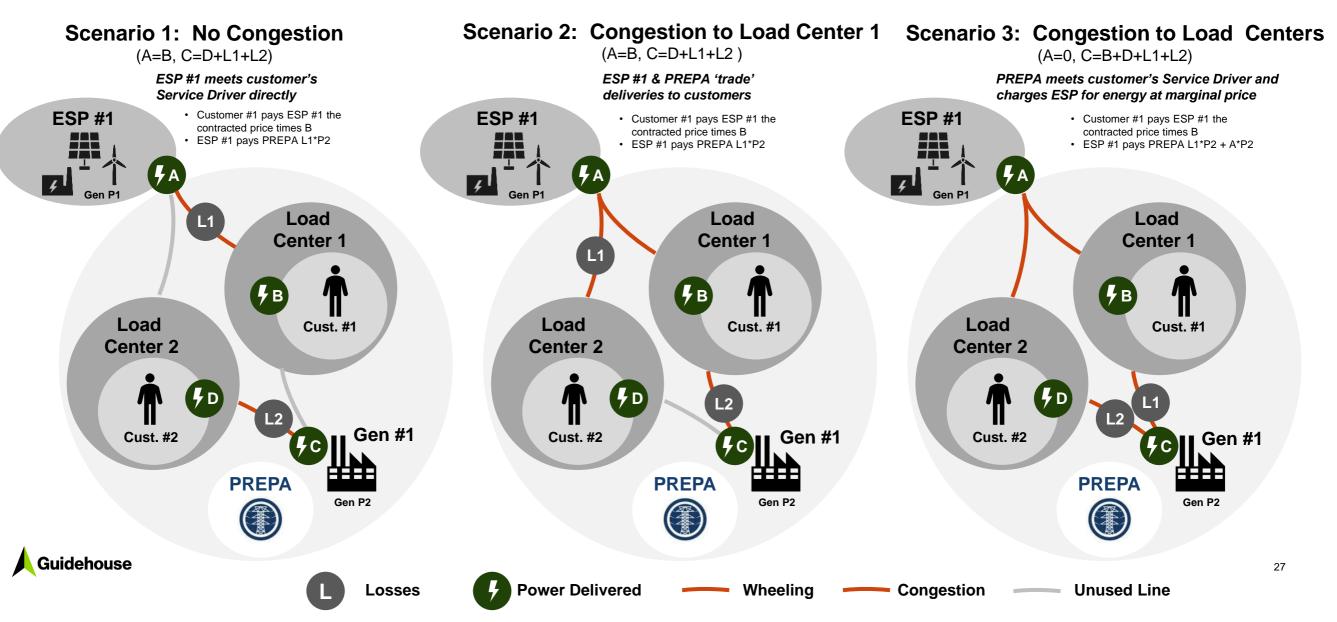


**Step 3: Identify Operational Scenarios - Imbalances** 





**Step 4: Identify Operational Scenarios - Congestion** 





#### Step 5: Determine Losses Adder & Congestion Charges

- The Losses Adder increases the amount of supply the ESP is required to provide at the Generation Source to
  offset losses between the ESP's Generator and the ESP's customer (includes Transmission and Distribution
  losses)
- Additional supply versus financial settlement of losses was chosen to reduce ESP credit risk to PREPA.
- · Losses adder also applies to the Imbalance calculations as described later
- Per previous PREB decision, Losses Adder will be set to Line Loss Adder established in the Cost of Service Study filed in Case No. CEPR-AP-2015-00001 until such time that PREPA files updated values that are subsequently approved by PREB



Losses

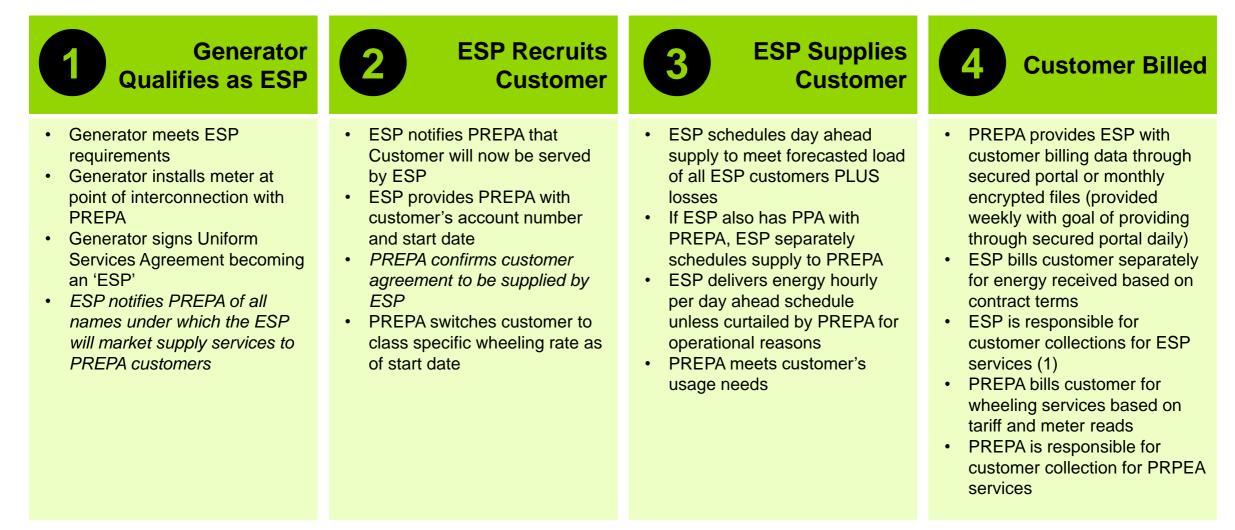
Adder

- PREPA will establish a Congestion Adder as a per kWh charge applied to the ESP's Customer's load and charged to the ESP to account for additional costs by PREPA for accommodating congestion between the ESP's generator and the ESP's customer.
- PREPA will establish a methodology for computing the Congestion Adder based on the difference in marginal costs to serve the ESP customer's load with and without congestion
- PREPA will set the Congestion Adder to zero until such time that PREPA files the Congestion Adder Methodology as well as demonstration of capabilities to reliably compute the Congestion Adder, and PREB approves proposed methodology





Step 6: Determine Operational Requirements for ESP



(1) PREPA may offer billing and collection services. If such services are offered the terms and conditions of the services will include resolution of partial payments (e.g., customer pays 50% of the bill, contract will specify whether ESP and PREPA service are prioritized or pro-rated)

such time that PREPA files updated values that are subsequently approved by PREB



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Step 7: Determine PREPA's Authorized Charges to ESP

1 ESP Fees	2 Imbalance Payments	<b>3</b> Performance Charges	4 Late Payments	<b>5</b> Congestion Charges
<ul> <li>PREPA will establish fees associated with operational costs related to ESP services, to include but not limited to:</li> <li>SP registration costs for Uniform Services Agreement signing, tracking and monitoring (one time)</li> <li>ESP account fees to cover ongoing costs (annual)</li> <li>Generation meter and metering readings (per generation meter)</li> <li>Customer meter reading and file transfers (monthly per customer)</li> <li>Customer transfer (exit and return) charges (one time)</li> </ul>	<ul> <li>PREPA to establish an Hourly Imbalance Rate equal to the sum of Marginal Energy Rate</li> <li>PREPA monitors Hourly Imbalances as the difference between ESP's customers' meters and ESP's generation meters, less losses*</li> <li>Positive hourly differences will be credited to ESP at 95% of Hourly Imbalance Rate</li> <li>Negative hourly differences will be charged the Imbalance Rate</li> </ul>	<ul> <li>PREPA will calculate the absolute value of the difference between generation delivered and metered customer load, plus losses</li> <li>PREPA will compare those annual imbalances against predetermined annual deadbands</li> <li>ESP will be assessed additional fees equal to 10% of annual weighted average Imbalance Rate, weighted by the ESP's Hourly Imbalances times the difference between annual imbalances and bandwidth allowances (annual imbalances times bandwidth)</li> </ul>	<ul> <li>Payments for Imbalances will be required within 60 days of billing.</li> <li>PREPA will establish a Monthly Carrying Charge Fee based on their costs to carry</li> <li>Payments made between 60 and 90 days of billing will be charged the Monthly Carrying Charge Fee times the outstanding payment due</li> <li>Payments made beyond 90 days will be assessed a 5% late fee plus cumulative Monthly Carrying Charge Fees for each 30 day period beyond 60 day target</li> </ul>	<ul> <li>PREPA will establish Congestion Adders further refine charges for wheeling services to ESPs</li> <li>Congestion Adders will apply to the customer's metered load</li> <li>The Congestion Adders will be set to zero until such time PREPA can demonstrate to PREB the congestion charges as outlined in Step 5</li> </ul>
* Losses	will be set at the Line Loss Adder establishe	d in the Cost of Service Study filed in Case	No. CEPR-AP-2015-00001 until	

30



Step 8: Determine Credit Terms for ESP

	PREPA will classify each ESP into one of four short term credit	Moody's	S&P	Fitch
ESP Credit	classifications consistent with Moody's short-term credit ratings		Short-term	Short-term
Ratings	<ul> <li>PREPA will use the established mapping of Fitch and S&amp;P's ratings</li> </ul>	P-1	A-1+	F1+
Ŭ	(see table to right)	F-1	A-1	F1
	<ul> <li>If ESP has established "Big Three" credit ratings (Moody's S&amp;P and/or</li> </ul>	P-2	A-2	F2
	Fitch), PREPA will the lowest available credit rating for the ESP	P-3	A-3	F3
	<ul> <li>If an ESP has no "Big Three" credit rating, PREPA will classify that</li> </ul>		В	В
	customer as "Not Prime"	Not prime	С	С
	<ul> <li>If ESP experiences a late payment PREPA will reset the ESP's credit</li> </ul>		/	/
	rating to "Not Prime" and that rating will be in effect for one year, and if ESP has no further late payments the PREPA credit score resets			
<b>ESP Collateral</b> Requirements	<ul> <li>PREPA will require collateral up to four * times the ESP's customers' average monthly loads (in kWh) times the average annual Hourly Imbalance Rate from the previous year</li> <li>The actual collateral required from an ESP will be dependent upon the ESP's credit rating established by PREPA (see table to right)</li> <li>If an ESP fails to may payments within 90 days of billing, PREPA may use collateral to offset payments and suspend the Generator's ESP status until required collateral levels are required</li> </ul>	PREPA Credit Rating P-1 P-2 P-3 Not prime	Percent           Collateral           5%           25%           50%           100%	

\*Four times was determined to be the possible exposure to both high use months (up to two times the 'average') and the fact



that customers have 60 days to pay, and potentially 90 with minimal penalty, exposing PREPA to effectively 3 months of back payments



**Step 9: Determine Customer Return Process** 

	Customer Choice – Customer Returns to PREPA		ESP Choice - Customer Returns to PREPA		ESP Defaults – Customer Returns to PREPA
Return Charges	Customer pays one time fee to return to PREPA based on PREPA's cost to administer	Return Charges	ESP pays one time fee to return to PREPA based on PREPA's cost to administer	Return Charges	ESP pays one time fee to return to PREPA based on PREPA's cost to administer
Eligibility	Customer returns to appropriate retail rate and is not-eligible for ESP services for 12 months	Eligibility	Customer returns to appropriate retail rate and is eligible for ESP services from any ESP but the one	Eligibility	Customer returns to appropriate retail rate and is eligible for ESP services after 30 days from return
Service Dates	Service converts from ESP to PREPA at the end of the customer's billing period	Service Service converts from ESP to PREPA at the end of the custor		Service Dates	Service converts from ESP to PREPA on date of default
Return Rates	Customer returns to a rate that is based on the forecasted Hourly Imbalance rates for up to 12 months	Dates Return	billing period Customer returns to a rate that is	Return Rates	Customer returns to a rate that is based on the forecasted Hourly Imbalance rates for up to 12 months
Notification	Customer requests service change from PREPA	Rates Notification	based on the forecasted Hourly Imbalance rates for up to 12 months ESP notifies PREPA of customer	Notification	PREPA notifies customer of ESP default and conversion to PREPA full service
	PREPA notifies ESP to include end date of customer service ESP confirms customer transition		return PREPA confirms customer return with customer		PREPA terminates meter data transfers as of customer's service
ESP Settlement	PREPA terminates meter data transfers as of customer's service date PREPA will submit final billing for balance of costs to ESP within 30 days of customer transition	ESP Settlement	PREPA terminates meter data transfers as of customer's service date PREPA will submit final billing for balance of costs to ESP within 30 days of customer transition		date PREPA will submit final billing for balance of costs to ESP, including return fees, net of collateral held within 30 days of customer transition



#### Step 10: Determine Required 'True-Up' Mechanisms

- True-up mechanisms will most likely be required to ensure there is little to no cost shifting among customers who remain with ٠ PREPA, particularly low-income residential customers, and ESP served customers.
- Such mechanisms will result in change in charges between ESP and PREPA or included as discounts to export credits ٠
- One example of potential sources of cost shifting is discussed here ٠



Account for

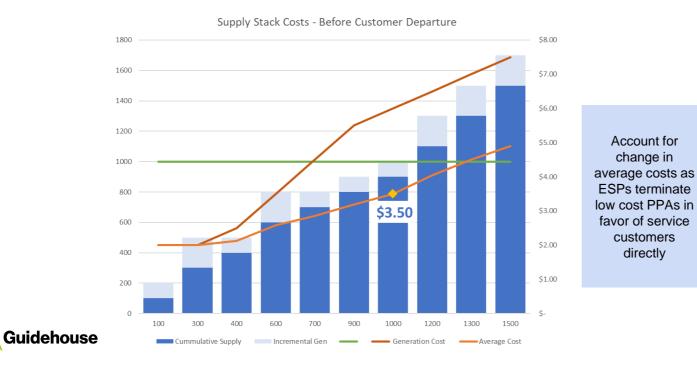
change in

ESPs terminate

favor of service

customers

directly





# Uniform Wheeling Agreement Key Findings & Challenges

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## **Key Findings – Uniform Wheeling Agreement**

FINDING #1	Operating Model needs to be finalized to ensure appropriately structured	FINDING #2	Further refinement on customer return policy was needed	FINDING #3	Further refinement on collateral requirements was needed
CONCLUSION	<ul> <li>Uniform Services Agreement</li> <li>PREPA determine operating model, specifically relying on three key conclusions:</li> <li>Billing: ESP bills and collects for services from ESP's customer while PREPA bills and collects for services from ESP's customer</li> <li>Losses: ESP provides supply to cover losses (rather than financial settlement at marginal costs) to limit credit risk</li> <li>Congestion: PREPA will 'socialize' congestion costs until PREPA is able</li> </ul>	CONCLUSION	<ul> <li>PREPA determine three scenarios for customer return:</li> <li>Customer Choice</li> <li>ESP Choice</li> <li>ESP Default</li> <li>PREPA suggests refinements based agreement on the following principles:</li> <li>Customer who chooses to return should be limited from opting for ESP supply for 12 months to ensure customer does not arbitrage at the expense of PREPA's remaining customers</li> <li>Customer who returns due to ESP default or ESP Choice would be</li> </ul>	CONCLUSION	<ul> <li>Order allows for credit for an estimate of one month of customers fuel costs PREPA proposes two refinements:</li> <li>1. Collateral should be adjusted based on customers established credit ratings (by 'Big Three')</li> <li>2. Collateral requirement should be base four times the 'average costs times average load' to account for months where costs or low could be well above average (as opposed to a potential maximum bill) as well as 90 day payment terms</li> </ul>
Guidehouse	to measure and account for congestion in separate charges		eligible for opting for ESP supply after a 30-day period to settle and address administrative issues		35

## Key Challenges – Uniform Wheeling Agreement

CHALLENGE #1 Sector restructuring creates uncertainty – namely creation of GenCo that will own and operate generation assets and sell supply to PREPA – could result in a change in agreements depending on GenCo's compensation structure, roles and responsibilities, and 'transfer pricing' to PREPA	CHALLENGE #2	Terms and Conditions require legal input and review
	RESOLUTION	PREPA file Uniform Services Agreement "Term Sheet" on May 10 and conduct a Technical Conference after May 10 to solicit input from both PREB and other stakeholders on actual legal terms and conditions
<b>RESOLUTION</b> Uniform Services Agreement should focus on current market structure, but fees should be segmented to allow for adjustments for GenCo provided cost.         Specifically,       1. Imbalances would be based on GenCo energy rates (GenCo Bulk Services Tariffs or BST)         2. Losses Adder would be based on the actual difference between GenCo delivered energy and metered loads		Contar reatructuring and other policy
	CHALLENGE #3	Sector restructuring and other policy and market rules that remain unclear create uncertainty
	RESOLUTION	Emphasis an Unbundling Framework that is able to accommodate market changes
· · ·		
required and could drive fees in Uniform		
<ul> <li>Services Agreement</li> <li>Load related GenCo ancillary services charges will be included in PREPA's charges while generation related GenCo ancillary services will be charged to each generator</li> </ul>		36
	<ul> <li>namely creation of GenCo that will own and operate generation assets and sell supply to PREPA – could result in a change in agreements depending on GenCo's compensation structure, roles and responsibilities, and 'transfer pricing' to PREPA</li> <li>Uniform Services Agreement should focus on current market structure, but fees should be segmented to allow for adjustments for GenCo provided cost. Specifically,</li> <li>Imbalances would be based on GenCo energy rates (GenCo Bulk Services Tariffs or BST)</li> <li>Losses Adder would be based on the actual difference between GenCo delivered energy and metered loads</li> <li>Once GenCo is established, a separate agreement between generators may be required and could drive fees in Uniform Services Agreement</li> <li>Load related GenCo ancillary services charges will be included in PREPA's charges while</li> </ul>	<ul> <li>namely creation of GenCo that will own and operate generation assets and sell supply to PREPA – could result in a change in agreements depending on GenCo's compensation structure, roles and responsibilities, and 'transfer pricing' to PREPA</li> <li>Uniform Services Agreement should focus on current market structure, but fees should be segmented to allow for adjustments for GenCo provided cost. Specifically,</li> <li>Imbalances would be based on GenCo energy rates (GenCo Bulk Services Tariffs or BST)</li> <li>Losses Adder would be based on the actual difference between GenCo delivered energy and metered loads</li> <li>Once GenCo is established, a separate agreement between generators may be required and could drive fees in Uniform Services Agreement</li> <li>Load related GenCo ancillary services charges will be included in PREPA's charges while generation related GenCo ancillary services will</li> </ul>

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