

Resiliency Plan Template (1/20/2023)

Resiliency Plan Process

In Docket No. 22-08-05, PURA identified four (4) customer categories that are allowed to receive upfront incentive adders.
These customer categories are: grid edge, critical facilities, C&I customers with fossil fuel generators, and small business customers (<200 kW Peak Demand).
<p>As a requirement of the application process, critical facilities, C&I customers with fossil fuel generators, and small business customers (as defined in the Program Manual) must submit a resiliency plan to demonstrate how their system would be recharged when grid-charging is otherwise unavailable.</p> <p>Additionally, customers with onsite fossil-fuel generation must demonstrate their onsite generator has been decommissioned.</p> <p>The Program Administrators have developed a template as a resource for customers and contractors to evolve a resiliency plan. The resource will include:</p>
(1) Customer's contact information
(2) Contractor's information
(3) Battery Energy Storage System information, including battery and inverter make and models.
(4) Customer's criterion that makes them eligible to retain capacity rights, and for which a Resiliency Plan is being requested
(5) Description of Blue Sky Operating Procedure
(6) Description of Black Sky Operating Procedure – extreme weather conditions that may trigger the resiliency plan
(7) Description of onsite generation equipment (if applicable) and resiliency capabilities
<p>The Resiliency Plan template will be available in two forms, as a fillable .PDF file that can be downloaded from the application platform, completed, and uploaded by contractor as part of their application at a later time by the contractor, or it can be completed online during the application process. A copy of the completed Customer Resiliency Plans will be provided to the EDCs for their records.</p>

Energy Storage Solutions Program Resiliency Plan

Date: XX/XX/XXXX

Data fields to be captured during the incentive application process

Contact Information Customer/End-User		
1	Company Name	
2	Address, City, State, Zip Code	
3	Contact Name	
4	E-Mail	
5	Phone Number	
6	Type of Business	
7	Business Hours of Operation	
8	Customer rate class information	
Contact Information Contractor		
9	Company Name	
10	Address	
11	Contact Name	
12	E-Mail	
13	Phone Number	
Battery Energy Storage System Information		
14	Battery Manufacturer	
15	Battery Model(s) and quantity ea.	
16	Inverter Manufacturer	
17	ESS Technology	
18	Inverter Model	
19	Name Plate Inverter Rating Power (MVA)	
20	Name Plate Rating Energy Storage Capacity (MWh)	
Battery Storage Information		
21	Are you a small business as defined by the Program Manual?	
22	Are you a critical facility as defined by the Program Manual?	

23	Are you a C&I customer with onsite fossil fuel generation?	
24	Are you on the Grid Edge as defined by the Program Manual?	
Blue Sky Operating Procedure		
28	Will the storage system be used for daily peak shaving of the site's electrical use?	
29	What percent of the storage capacity will be held in reserve at all times for resilience needs?	
Black Sky Operating Procedure		
30	How many hours a day of back up operation will the energy storage system enable during outage event?	
30b	What percentage of normal energy consumption (kWh) with the Energy Storage System enable during outage events?	
31	Please describe how you expect to recharge the storage asset for a multi-day event to facilitate the operation described above.	
32	For a typical 24-hour period, please provide an hourly profile for:	
32a	Expected load supported by battery during a multi-day outage event	COMPLETE BESS LOAD PROFILE-LOAD DATA
32b	Expected energy storage system dispatch during a multi-day outage event	COMPLETE BESS LOAD PROFILE-LOAD DATA
Onsite Generation		
33	Will this storage system replace an existing fossil-fuel generator? If No, proceed to #34	
33a	Please specify Make, Model, Size (MW), Year Installed	
33b	If onsite fuel storage is required for existing generator, please indicate size of fuel storage tank.	
34	How many hours of back up operation does the generator enable during an outage event?	
34a	What percentage of normal energy consumption (energy use) does the generator enable during an outage event?	

35	Are there any other onsite generation resources (e.g. solar PV, fuel cells, CHP or other, which are not replaced by the battery storage)?	
35a	If so, please specify the Type, Make, Model, Size (MW electric), Fuel Source, and Age	
35b	If onsite fuel storage is required for other generation resources, please indicate size of fuel storage tank.	

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Load Data

Item #	Load Data Profiles to support customer/contractor Resiliency Plan (Customers over 500 KW Peak Should Review Hourly Interval Load Profiles)
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1	Average Daily Energy Usage last 24 months (kWh)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	Workday											
	Weekend											

2	Maximum Peak Demand last 24 Months (kW)											
	Workday											
	Weekend											

3	Expected Load Profile Requiring BESS Support												
	Hour	Expected BESS Load (kW)						Expected Discharge of BESS (kW)					
Hour Ending In	1:00												
	2:00												
	3:00												
	4:00												
	5:00												
	6:00												
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RESILIENCY PLANNING TEMPLATE

What actions will you take to identify and connect the loads you will require to have the BESS provide adequate backup for a singular and a multi-day event?

What is your plan to implement back up services from the BESS when an outage occurs? Describe what actions you will take to ensure your battery is discharging when needed to serve the designated loads.

If you are requiring coverage for multi-day outages, what is your plan to manage battery availability for the designated loads?