

**STAFF 1-98**

Please provide details regarding the lease or procurement of each mobile generation facility in the Transmission and Distribution Utility's (TDU) control, including:

- a. Details regarding the competitive bidding process used or the justification for not using a competitive bidding process;
- b. The size of each mobile generation facility in megawatts (MW);
- c. The initial lease or procurement date of each facility;
- d. The lease term, in months, of each mobile generation facility;
- e. The expiration date of each facility's lease;
- f. The to-date costs associated with each mobile generation facility, including operating, leasing costs, or other capital expense;
- g. The expected costs associated with each lease, including operation and leasing costs; and
- h. The expected return on investment associated with each lease or procurement.

**RESPONSE:**

The City of Caldwell does not own or operate mobile generation capable of serving distribution load on a large scale. The City of Caldwell utilizes three stand-alone generators as a redundant power source for our water plant, wastewater plant, and a regional lift station. In addition, the City of Caldwell owns two trailer-mounted generators utilized for pumping down sewer lift stations in instances of power outage. The stand-alone generators were procured through grant programs and followed the competitive bid process, and the trailer-mounted generators were procured as used units. The table below summarizes the unit information.

<b>Name of Unit</b>	<b>MW</b>	<b>Date Procured</b>
Water Plant Generator	0.250 MW	Prior to July 8, 2024
Wastewater Plant Generator	0.175 MW	Prior to July 8, 2024
975 Lift Station Generator	0.135 MW	Prior to July 8, 2024
Unit 37 Trailer Generator	0.026 MW	Prior to July 8, 2024
Unit 100 Trailer Generator	0.0365 MW	Prior to July 8, 2024

Preparer: Camden White  
Sponsor: Camden White

**STAFF 1-99**

Please provide details regarding mobile generation or temporary emergency electric energy facilities (TEEEF):

- a. The control number of the TDU's most recently approved mobile generation or TEEEF cost recovery;
- b. Details regarding whether the mobile generation or TEEEF cost recovery was processed as part of a larger Distribution Cost Recovery Factor proceeding or in a separate contested case;
- c. The revenue requirement associated with the TDU's mobile generation or TEEEF expenses, broken out by rate class; and
- d. The in-force tariffs associated with the TDU's mobile generation or TEEEF rider, broken out by rate class.

**RESPONSE:**

The City of Caldwell does not own or operate mobile generation capable of serving distribution load on a large scale. The resources that the city utilizes for redundant generation at utility plants was procured separately from the electric revenues fund and was not processed as part of any cost recovery.

Preparer: Camden White  
Sponsor: Camden White

**STAFF 1-100**

Provide the following information concerning your customer base:

- a. Total number of customers served by rate class;
- b. Average demand by rate class;
- c. Peak demand by rate class; and
- d. Net peak demand by rate class.

**RESPONSE:**

The table below illustrates the total number of customers by rate class as well as average demand by rate class. The accounting software utilized by the City of Caldwell is not capable of calculating or storing peak loads partly due to the city not having smart meters installed.

<b>Customer Rate Class</b>	<b>Number of Customers</b>	<b>Average Demand (KW/day)</b>
Residential	1674	47.87
Commercial	177	74.11
Large Commercial	57	300.30
Small Light and Power	73	496.68
Large Light and Power	21	1745.99
Industrial	2	4963.33

Preparer: Camden White  
Sponsor: Camden White

**STAFF 1-101**

Please provide information on the average customer density by circuit mile for the feeders in the Impacted Area.

**RESPONSE:**

The City of Caldwell experienced a partial feeder outage, and the impacted area was not a densely populated area. The city estimates that there were approximately 20 customers impacted with a density by mile around four to five customers per mile of circuit.

Preparer: Camden White  
Sponsor: Camden White

**STAFF 1-102**

Please provide an explanation of any alternatives to mobile generation facilities considered by the TDU before entering a lease for or procuring mobile generation facilities.

**RESPONSE:**

The City of Caldwell was not heavily impacted by the storm event and had not considered any alternatives to mobile generation. We are a small municipality and there has not been consideration given to distributed generation by the city or local businesses in the area.

Preparer: Camden White

Sponsor: Camden White

**STAFF 1-103**

Please describe the specific use cases contemplated by the TDU before executing a contract for the lease or procurement of mobile generation facilities.

**RESPONSE:**

The generation resources owned by the City of Caldwell were procured specifically for the purpose of redundant power to keep water and wastewater moving during power outages. New requirements in the water industry have the City of Caldwell planning to make our backup capabilities in water production even more robust soon.

Preparer: Camden White  
Sponsor: Camden White

**STAFF 1-104**

Please provide the following information concerning mobile generation facilities in your possession:

- a. The total capacity, in MWs, of mobile generation facilities leased or procured before July 8, 2024;
- b. The rationale for leasing or procuring that capacity; and
- c. And how mobility and capacity were prioritized when leasing or procuring mobile generation facilities.

**RESPONSE:**

The City of Caldwell does not own or operate mobile generation capable of serving distribution load on a large scale. The city owns three in-place generators large enough to carry their respective loads at one of the city water production facilities, the city wastewater plant, and a regional wastewater lift station. The city also owns two trailer-mounted generators to pump down smaller wastewater lift stations throughout town. The table below represents the MW capacity of each.

<b>Name of Unit</b>	<b>MW</b>	<b>Date Procured</b>
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Wastewater Plant Generator	0.175 MW	Prior to July 8, 2024
975 Lift Station Generator	0.135 MW	Prior to July 8, 2024
Unit 37 Trailer Generator	0.026 MW	Prior to July 8, 2024
Unit 100 Trailer Generator	0.0365 MW	Prior to July 8, 2024

Preparer: Camden White  
Sponsor: Camden White

**STAFF 1-105**

Provide the following information for mobile generation facilities already under lease or procured before July 8, 2024:

- a. The size, in MWs, of each deployed mobile generation facility;
- b. The length of time needed to move each deployed mobile generation facility from storage to its designated staging area;
- c. the length of time needed to move each mobile generation facility from staging to its deployment location;
- d. An explanation for how and where the mobile generation facility was used; and
- e. If a mobile generation facility was not used, an explanation as to why.

**RESPONSE:**

The table details the mobile generation facilities already procured by the City of Caldwell. The only mobile units capable of deployment are Unit 37 and Unit 100. These units can be deployed within an hour. It should be noted that no mobile generation was deployed for the events. The City of Caldwell did not experience long term outages that would have required deployment.

<b>Name of Unit</b>	<b>MW</b>	<b>Date Procured</b>
Water Plant Generator	0.250 MW	Prior to July 8, 2024
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Unit 37 Trailer Generator	0.026 MW	Prior to July 8, 2024
Unit 100 Trailer Generator	0.0365 MW	Prior to July 8, 2024

Preparer: Camden White  
Sponsor: Camden White



**STAFF 1-106**

Please describe all situations in which the TDU's leased or procured mobile generation facilities were deployed before Hurricane Beryl. If applicable, please describe how those previous deployment situations differed from the use cases initially contemplated by the TDU.

**RESPONSE:**

The City of Caldwell experienced a 24-hour power outage in the spring of 2020 caused by a spring storm that caused both transmission lines supplying Caldwell to trip and lock out. The transmission operator, Entergy, worked to troubleshoot and re-energize the transmission lines. City of Caldwell personnel utilized in-place generators to continue normal operations of the water production facility, the wastewater plant, and a regional lift station. At the time of occurrence, we rented the two trailer-mounted generators that we now own to deploy to other remote lift stations to keep wastewater from overflowing. The resources that we had for this event are still the resources that we currently own.

Preparer: Camden White

Sponsor: Camden White

**STAFF 1-107**

Please provide the following information on power restoration plans or procedures regarding critical infrastructure facilities.

- a. Did the TDU develop a list of critical infrastructure facilities within the TDU's service territory?
- b. Did the TDU develop emergency preparedness plans in collaboration with critical infrastructure facilities in its service territory?
- c. Did the TDU develop a list of routes for use in reaching critical infrastructure facilities during an emergency or significant power outage?
- d. Did the TDU identify the specific steps it would take to energize critical infrastructure facilities in its service territory with mobile generation facilities?
- e. Did the TDU pre-position mobile generation facilities at critical infrastructure facilities in its service territory to respond to significant power outages in a timely manner?

**RESPONSE:**

The City of Caldwell did not experience conditions that would necessitate a large restoration effort. The City of Caldwell does have a list of critical infrastructure facilities. There is redundancy built into the distribution network to back feed many of the critical infrastructure facilities. Most of the City of Caldwell distribution network is easily accessible from public right of way. The City of Caldwell has on multiple occasions had discussions on how the city would deploy mobile generation to maintain operations at critical infrastructure facilities. The City of Caldwell fueled and positioned the two trailer-mounted generators at the city warehouse prior to the landfall of Hurricane Beryl. The in-place generators were also fired and re-fueled.

Preparer: Camden White  
Sponsor: Camden White

**STAFF 1-108**

Please provide the following information regarding drills, procedures, and plans to use mobile generation facilities.

- a. Did the TDU develop operating plans or procedures for the deployment of mobile generation? If so, please describe the TDUs strategy for deploying its mobile generation.
- b. Did the TDU assign specific personnel to manage, either directly or indirectly, the operation and deployment of its mobile generation facilities?
- c. Did the TDU conduct personnel trainings or preparedness drills for the operation of its mobile generation facilities?
- d. Please describe any plans or procedures developed in coordination with other TDUs or mutual assistance groups for the operation or deployment of mobile generation.

**RESPONSE:**

The City of Caldwell has previous experience in deploying mobile generation to critical infrastructure facilities. However, strategy and operating plans are discussed at all drills related to power outages. There are informal operating procedures that are flexible with each situation. Personnel responsible for deploying mobile generation resources is department specific. The water services group will mobilize the unit, and a member of the line crew will help to connect the trailer-mounted unit electrically. City management is working to make this operation more of a 'plug and play' situation, so the water services crew is not dependent on the electrical group. As discussed above, the resources that the city owns are barely enough to cover the load at the critical infrastructure facilities so there has been no coordination with other TDUs on deployment.

Preparer: Camden White  
Sponsor: Camden White

**STAFF 1-109**

Please provide the following information regarding each mobile generation facility borrowed during Hurricane Beryl as part of a mutual assistance program or agreement.

- a. How the original request for mobile generation facilities through mutual assistance was made;
- b. The size, in MW, of each borrowed mobile generation facility;
- c. The date the mutual assistance program or agreement was entered;
- d. The date the borrowed mobile generation facility was deployed;
- e. The duration, in hours, of the borrowing agreement. Describe whether this duration was for a fixed number of hours or a specific number of operating hours;
- f. The identity of the original owner or lessor of the mobile generation facility subject to the mutual assistance program or agreement; and
- g. Whether obtained mobile generation facilities were used during, or in power restoration efforts following, Hurricane Beryl.
  - i. If the mobile generation facility was not deployed, provide an explanation as to why the mobile generation facility was not deployed; and
  - ii. If the mobile generation facility was deployed, provide an explanation of how it was used.

**RESPONSE:**

The City of Caldwell did not borrow any type of mobile generation facility during Hurricane Beryl.

Preparer: Camden White  
Sponsor: Camden White

**STAFF 1-110**

When mobile generation facilities are offered to other TDUs during significant power outages, what information does the loaning TDU require from the borrowing TDU related to the probable operation of the mobile generation?

**RESPONSE:**

The City of Caldwell considered loaning out the two trailer-mounted generators to others in need but did not have sufficient direction on how or where to reach out to those who may have a need for the small resources. Due to the lack of knowledge, the city would look to loan the resources to a familiar local utility and the arrangement would be informal.

Preparer: Camden White

Sponsor: Camden White

**STAFF 1-111**

Please describe if any mobile generation facilities in the TDU's control were deployed in the service territories of municipally owned utilities or electric cooperatives during Hurricane Beryl.

**RESPONSE:**

The City of Caldwell is a municipality owned utility and the city did not request any mobile generation throughout the event.

Preparer: Camden White

Sponsor: Camden White

**STAFF 1-112**

Please describe how the determination was made regarding when and where to deploy or redeploy each mobile generation facility during, or in response to, Hurricane Beryl.

**RESPONSE:**

The City of Caldwell did not deploy any mobile generation facilities during, or in response to Hurricane Beryl.

Preparer: Camden White

Sponsor: Camden White

**STAFF 1-113**

Please describe the number of distribution customers that had power restored by each mobile generation facility leased or procured by the TDU during, or in response to, Hurricane Beryl.

**RESPONSE:**

The City of Caldwell did not deploy mobile generation facilities for power restoration during, or in response to Hurricane Beryl.

Preparer: Camden White

Sponsor: Camden White



**STAFF 1-114**

Please describe the number of distribution customers that had power restored by each mobile generation facility obtained through mutual assistance during, or in response to, Hurricane Beryl.

**RESPONSE:**

The City of Caldwell did not deploy mobile generation facilities for power restoration during, or in response to Hurricane Beryl.

Preparer: Camden White

Sponsor: Camden White

**STAFF 1-115**

Please describe the number of distribution customers that had power restored by each mobile generation facility leased or procured by the TDU during, or in response to, Hurricane Beryl.

**RESPONSE:**

The City of Caldwell did not deploy mobile generation facilities for power restoration during, or in response to Hurricane Beryl.

Preparer: Camden White  
Sponsor: Camden White

**STAFF 1-116**

Please describe the number of transmission customers that had power restored by a mobile generation facility obtained through mutual assistance during, or in response to, Hurricane Beryl.

**RESPONSE:**

The City of Caldwell does not serve any transmission customers and therefore did not restore power to such customers via mobile generation facility.

Preparer: Camden White

Sponsor: Camden White

**STAFF 1-117**

If applicable, please note if any fueling problems arose with deployed mobile generation facilities during, or in response to, Hurricane Beryl. If so, please describe the fueling problems in detail and any action that the TDU took in response.

**RESPONSE:**

The City of Caldwell did not deploy mobile generation facilities for power restoration during, or in response to Hurricane Beryl and therefore did not face any fueling issues related to mobile generation facilities.

Preparer: Camden White  
Sponsor: Camden White

**STAFF 1-118**

Please describe all costs incurred by the TDU that were associated with the deployment of mobile generation facilities during, or in response to, Hurricane Beryl.

**RESPONSE:**

The City of Caldwell did not deploy mobile generation facilities for power restoration during, or in response to Hurricane Beryl.

Preparer: Camden White  
Sponsor: Camden White

**STAFF 1-119**

Please describe any obstacles that limited the deployment of mobile generation facilities during, or in response to, Hurricane Beryl.

**RESPONSE:**

The City of Caldwell did not deploy mobile generation facilities for power restoration during, or in response to Hurricane Beryl.

Preparer: Camden White

Sponsor: Camden White

**STAFF 1-120**

Please describe any procedural improvements that the TDU intends to make prior to the next deployment of mobile generation facilities. If available, please reference specific sections of any after action report or lessons learned document the TDU has created.

**RESPONSE:**

The City of Caldwell did not deploy mobile generation facilities for power restoration during, or in response to Hurricane Beryl. The City of Caldwell does intend to make improvements to the connection of mobile generation devices. City management wishes to reduce having to rely on electrical crews to electrically connect mobile generation devices. The focus of the electric department should be overall restoration of power.

Preparer: Camden White  
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