FY 2023: October 1, 2022, to September 30, 2023
SMALL CUSTOMER (SCP) 1-YEAR PLAN UPDATE

Small customer plan update report documents accomplishments the previous 12 months, and shall include Demand Side Management techniques, new renewable resources and other programs that provided retail consumers with electricity at the lowest possible costs, and minimize, to the extent practicable, adverse environmental effects.

To meet your Small Customer Plan reporting requirement, complete the following. Unaddressed items will be deemed incomplete and not eligible for approval. Western Area Power Administration (WAPA) reserves the right to require customers to provide any supporting back-up data used to support, and in the development of this report.

Reporting period:	2023

Customer Contact Information:

(Provide contact information for your organization. Contact person should be able to answer questions concerning the plan)

Customer Name:	City of Aztec NM
Address:	402 S. Light Plant Road
Contact Person:	Denver Dewees
Title:	Electric Department Director
Phone Number:	505-334-7667
E-Mail Address:	DDEWEES@AZTECNM.GOV
Website:	http://www.aztecnm.gov/electric

Type of Customer:

(Check one as applicable)

■	**Municipal**
☐	**State**
☐	**Federal**
☐	**Irrigation District**
☐	**Water District**
☐	**Other** (Specify)

Current energy and demand use (End-user only).

Energy (kWh):	24,113,978 (through July 2023)
Capacity (kW):	8,861 (through July2023)

Capacity and Energy Data for Previous 5 Years (Utility customers only):

(Provide peak demand and total energy for past 5 years. Attach current energy and capacity profiles.)

Calendar Year	Peak Demand (kW)	Total Energy (kWh)
2019	8297	43,074,223
2020	8248	41,848,566
2021	8579	41,705,230
2022	8701	42,415,864
2023	8861	24,113,978

Future Energy Service Projections:

(Provide a load forecast to show expected growth or expansion; **and/or** a narrative statement concerning expected future growth)

Year	Peak Demand (kW)	Total Energy (kWh)
2024	8994	42,401,066
2025	9129	42,613,071
2026	9266	42,826,136
2027	9405	43,040,267
2028	9546	43,255,468

or Narrative Statement:

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Future Resource Planning:

(Provide a narrative statement explaining how your organization considered all reasonable opportunities to meet its future energy service requirements using Demand Side Management techniques, new renewable resources, or other programs.

The City of Aztec ("Aztec") is a small municipality with limited commercial/industrial load or load growth opportunities. Aztec will continue to serve the city load via its WAPA hydro-power allocation, a supplemental requirements contract with Guzman Energy and a locally sited 1 MW PV Solar generation facility. Aztec is planning to add an additional 2 MW of PV Solar and 1MW of Battery Energy Storage in the next 12-24 months.

Aztec continues making progress on the HPS to LED streetlight lamp conversion and is implementing incremental improvements to its distribution system in an effort to limit line losses and operate at a high power factor.

(Provide a narrative statement explaining how your organization considered minimizing, to the extent practicable, adverse environmental effects.)

Aztec's PV Solar facility generates nearly 2 million kWh's per year with no carbon emissions, completing the installation of Advance Metering Infrastructure (AMI) and will be positioned to operate the system at the most efficient system loading and minimizing line losses to it's residential customers saving resources at the generation sources. The planned addition of 2 MW of PV solar and 1 MW of Battery Energy Storage will further reduce carbon emissions related to Aztec's power supply.

Action Plan:

(Provide a narrative statement that sets forth your organization's Action Plan)

- Aztec has a long-term supplemental requirements PPA with Guzman Energy, 1 MW PV Solar generation facility and WAPA hydro-power allocation to meet its energy needs for the longer term future. The city is also making significant progress on a full conversion of its street-lighting from HPS to LED.

- The AMI deployment will be complete this year and provide the customers with energy use data that helps them manage their energy use. It will also reduce the time, effort and expense for cut-in/cut-out and will provide system operations information to allow more efficient feeder loading to limit losses to customer delivery meters.

- The plans to add a second substation are still at the 30% design stage and are delayed due to project funding. The project will move to engineering/design phase when available funds allow for a for project funding.

- The City will continue to allow customers to install rooftop solar with the net-metering/excess energy buy-back. The program provides for a $0.0425/kWh bill credit with monthly settlement.

- The City is in the planning stage for an additional 2 MW PV Solar and 1MW of Battery Energy Storage. The City is partnering with an entity that is assisting in the applications for grants to aid in the funding for construction and the project will utilize all additional credits and rebates that are being made available through the 2021 Infrastructure legislation and the 2022 Inflation Reduction Act.

- Aztec completed a Cost of Service Study and received approval for a 5 year rate path that will adjust rates as appropriate to meet the revenue requirement indicated in the Cost of Service Study.

Specific Action Items Implemented the Previous 12 Months:

Energy Consumption Improvements:

Proposed Items	Begin Date	End Date	Est. kW capacity savings per year	Est. kWh savings per year	Est. $ savings per year	Cost to Implement
Boiler, Furnace, air conditioning retrofits	_	_	_	_	$_	$_
Weatherization, insulation	_	_	_	_	$_	$_
storm windows/doors	_	_	_	_	$_	$_
Insulation of air ducts, boilers, pipes, etc.	_	_	_	_	$_	_
Clock thermostats and equipment system timers	_	_	_	_	$_	$_
Heat pumps	_	_	_	_	$_	$_
Energy audits	_	_	_	_	$_	$_
Public education programs	_	_	_	_	$_	$_
Loan arrangements or rebate program for energy efficient equipment	_	_	_	_	$_	$_
Use of infrared heat detection equipment	_	_	_	_	$_	$_
Energy efficient lighting	_2018	_2028	_25	_109,500	$_6,000	$_30,000
Equipment inspection programs	_	_	_	_	$_	$_
Electric motor replacements	_	_	_	_	$_	$_
Upgrading of distribution lines/substation equipment	_	_	_	_	$_	$_
Power factor improvement	_2022	_2026	_N/A	_N/A	$_N/A	$_N/A
Other: _	_	_	_	_	$_	$_

Renewable Energy Activities:

Proposed Items	Begin Date	End Date	Est. kW savings per year	Est. kWh savings per year	Est. $ savings per year	Cost to Implement
Solar thermal/photovoltaic projects	_2025	_2050	_2000	_4 MM	$_N/A	$_N/A
Day lighting technologies	_	_	_	_	$_	$_
Active solar installations	_	_	_	_	$_	$_
Active solar installations	_	_	_	_	$_	$_
Biomass/refuse-derived fuels	_	_	_	_	$_	$_
Geothermal projects	_	_	_	_	$_	$_
Small-scale hydro projects	_	_	_	_	$_	$_
Other: _	_	_	_	_	$_	$_

Load Management Techniques:

Proposed Items	Begin Date	End Date	Est. kW savings per year	Est. kWh savings per year	Est. $ savings per year	Cost to Implement
Load management devices/systems	_	_	_	_	$_	$_
Demand control techniques and equipment	_	_	_	_	$_	$_
Smart meters or automated equipment	_	_	_	_	$_	$_
Time-of-use meters	_	_	_	_	$_	$_

Rate Design Improvements:

Proposed Items	Begin Date	End Date	Est. kW savings per year	Est. kWh savings per year	Est. $ savings per year	Cost to Implement
Cost-of-service pricing	_	_	_	_	$_	$_
Elimination of declining block rates	_	_	_	_	$_	$_
Time-of-day rates	_	_	_	_	$_	$_
Seasonal rates	_	_	_	_	$_	$_
Interruptible rates	_	_	_	_	$_	$_

Agricultural Improvements:

Proposed Items	Begin Date	End Date	Est. kW savings per year	Est. kWh savings per year	Est. $ savings per year	Cost to Implement
Irrigation pump utilization/scheduling	_	_	_	_	$_	$_
Irrigation pump testing or efficiency improvements	_	_	_	_	$_	$_
Electric motor replacement	_	_	_	_	$_	$_
Photovoltaic pumping systems	_	_	_	_	$_	$_
Ditch lining or piping	_	_	_	_	$_	$_
Laser land leveling	_	_	_	_	$_	$_
Pump-back systems	_	_	_	_	$_	$_
Water conservation programs	_	_	_	_	$_	$_

Customer Signature **Date Submitted** 09-07-23

WAPA will review your Annual Progress Report and notify you whether it is acceptable or insufficient within 120 days after receiving it. If an Annual Progress Report is insufficient, WAPA will provide you a notice of deficiency. WAPA will work with you to determine the time allowable for resubmitting the Annual Progress Report. However, the time allowed for resubmittal will not be greater than 9 months after the disapproval date, unless otherwise provided by applicable contract language.