

INTEGRATED RESOURCE PLAN (IRP)

Western Area Power Administration's (WAPA) customers must comply with the requirements of the Energy Planning and Management Program (EPAMP (10 CFR Part 905)) to meet the objectives of Section 114 of the Energy Policy Act of 1992 (EPAAct). A WAPA customer is any entity that purchases firm capacity with or without energy, from WAPA under a long-term firm power contract. Integrated Resource Planning allows customers to meet the objectives of Section 114 of EPAAct.

Integrated Resource Planning is a planning process for new energy resources that evaluates the full range of alternatives, including new generating capacity, power purchases, energy conservation and efficiency, renewable energy resources, district heating and cooling applications, and cogeneration, to provide reliable service to electric consumers. An Integrated Resource Plan (IRP) supports utility-developed goals and schedules. An IRP must treat demand and supply resources on a consistent and integrated basis. The plan must take into account necessary features for system operation, such as diversity, reliability, dispatchability, and other risk factors. The plan must take into account the ability to verify energy savings achieved through energy efficiency and the projected durability of such savings measured over time. (See 10 CFR § 905.11 (a)).

Who May Use This Form:

Utilities that primarily provide retail electric service that have limited staff, limited resource options, and obtain a significant portion of its energy needs through purchase power contracts are eligible to use this form. Utilities using this form may generate a limited amount of energy if the generating resources are primarily used as back up resources, to support maintenance and outages, or during periods of peak demand.

Completing This Form:

To meet the Integrated Resource Planning reporting requirement, complete this form in electronic format in its entirety. Unaddressed items will be deemed incomplete and the IRP may not be eligible for approval. All the data fields in this form automatically expand. Additional information may be attached to and submitted with this report. WAPA reserves the right to require supporting back-up materials or data used to develop this report. If there is any conflict between this form and the requirements defined in EPAMP, the requirements in EPAMP shall prevail.

EPAMP Overview

The Energy Planning and Management Program (EPAMP) is defined in the Code of Federal Regulations in Title 10, Part 905 (10 CFR 905). The purposes of EPAMP are to meet the objectives of the Energy Policy Act of 1992 (EPAAct) while supporting Integrated Resource Planning; demand-side management, including energy efficiency, conservation, and load management; and the use of renewable energy.

EPAMP was initially published in the Federal Register at 60 FR 54714 on October 20, 1995, and revised in 65 FR 16795 on March 30, 2000, and 73 FR 35062 on June 20, 2008. 10 CFR § 905.11 defines what must be included in an IRP.

WAPA's Integrated Resource Planning site (<https://www.wapa.gov/power-marketing/irp/>) provides extensive information on Integrated Resource Planning and reporting requirements. If you have questions or require assistance in preparing your IRP, contact your WAPA Regional Energy Services Representative.

IRP Content

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Section 5	Future Resource Requirements and Resource
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Section 6	Environmental Effects
Section 7	Public Participation
Section 8	Action Plan and Measurement Strategies
Section 9	Signatures and Approval

INTEGRATED RESOURCE PLAN (IRP) 5-Year Plan

Customer Name:
City of Morrill, Kansas

IRP History: Check one as applicable.	
X	This is the submitter's first IRP submittal.
	This submittal is an update/revision to a previously submitted IRP.

Reporting Dates:	
IRP Due Date:	July 1, 2026
Annual Progress Report Due Date:	July 1, 2027

Customer Contact Information: Provide contact information for your organization. The contact person should be able to answer questions concerning the IRP.	
Customer Name:	City of Morrill
Address:	PO Box 146 612 Roxanna St
City, State, Zip:	Morrill, KS, 66515
Contact Person:	Rachel Stolzenberger
Title:	City Clerk
Phone Number:	(785) 459-2231
E-Mail Address:	morrillkscityclerk@gmail.com
Website:	

Type of Customer: Check one as applicable.	
X	Municipal Utility
	Electric Cooperative
	Federal Entity
	State Entity
	Tribal
	Irrigation District
	Water District
	Other (Specify):

SECTION 1**UTILITY/CUSTOMER OVERVIEW****Customer Profile:**

Enter the following data for the most recently completed annual reporting period. Data may be available on form EIA-861, which you submit to the U.S. Energy Information Administration (EIA).

Reporting Period	
Reporting Period Start Date (mm/dd/yyyy)	01/01/2025
Reporting Period End Date (mm/dd/yyyy)	12/31/2025
Energy Sales & Usage	
Energy sales to Ultimate End Customers (MWh)	1282
Energy sales for Resale (MWh)	0
Energy Furnished Without Charge (MWh)	0
Energy Consumed by Respondent Without Charge (MWh)	0
Total Energy Losses (MWh entered as positive number)	82
Total Energy Usage (sum of previous 5 lines in MWh)	1364
Peak Demand (Reporting Period)	
Highest Hourly Summer (Jun. – Sept.) Peak Demand (MW)	.482
Highest Hourly Winter (Dec. – Mar.) Peak Demand (MW)	.263
Date of Highest Hourly Peak Demand (mm/dd/yyyy)	6/25/25
Hour of Highest Hourly Peak Demand (hh AM/PM)	5 PM
Peak Demand (Historical)	
All-Time Highest Hourly System Peak Demand (MW)	.537
Date of All-Time Hourly System Peak Demand (mm/dd/yyyy)	7/28/2023
Hour of All-Time Hourly Peak System Demand (hh AM/PM)	4 PM
Number of Customers/Meters (Year End of Reporting Period)	
Number of Residential Customers	89
Number of Commercial Customers	58
Number of Industrial Customers	0
Other (Specify):	
Other (Specify):	
Other (Specify):	
Other (Specify):	
Other (Specify):	

Customer Service Overview:

Describe your customer service territory and the services provided. Include geographic area, customer mix, key customer and significant loads, peak demand drivers, competitive situation, and other significant or unique aspects of the customer and/or service territory. Provide a brief summary of the key trends & challenges impacting future resource needs including population changes, customer growth/losses, and industrial developments.

The City of Morrill provides electric service within the city limits of Morrill, Kansas, serving a small, primarily residential customer base that also includes commercial businesses, municipal facilities, schools, churches, and agricultural-related customers. Electric demand is driven primarily by seasonal weather, with summer air-conditioning loads creating the annual system peak and winter heating contributing to seasonal demand. As a municipal utility, the City is committed to providing safe, reliable, and affordable electric service while maintaining a distribution system that meets the needs of the community.

Future resource needs are expected to remain relatively stable, reflecting modest population changes and limited economic growth typical of a rural community. While no significant industrial development is currently anticipated, incremental residential and commercial growth, along with increasing adoption of technologies such as electric vehicles and distributed energy resources, may gradually influence future load requirements. The City will continue to monitor customer trends and local development to ensure adequate system capacity and reliable service while maintaining cost-effective operations.

Electricity Utility Staff & Resources:

Summarize the number of full-time equivalent employees by primary functions such as power production, distribution, and administration. Describe any resource planning limitations, including economic, managerial, and/or resource capabilities.

The City of Morrill operates its electric utility with a small workforce whose responsibilities include electric distribution system operation and maintenance, meter services, customer service, billing, and administration. Because the City purchases wholesale power, no personnel are dedicated to power generation. Resource planning is influenced by limited staffing and financial resources, requiring the City to prioritize system maintenance and capital improvements while maintaining affordable electric rates. To supplement internal capabilities, the City relies on its wholesale power provider, outside engineering consultants, contractors, and mutual aid partnerships to support long-term planning, system reliability, and emergency response.

Historical Energy Use:

Enter the peak system demand and total annual energy use for the preceding ten (10) reporting years. For total energy, include retail sales, energy consumed or provided without charge, and system losses.

Reporting Year	Peak Demand (MW)	Total Energy (MWh)
2016	n/a	1,122
2017	n/a	1,094
2018	n/a	1,166
2019	n/a	1,039
2020	.326	1,022
2021	.367	1,017
2022	.38	1,080
2023	.537	1,287
2024	.447	1,247
2025	.482	1,282

SECTION 2 FUTURE ENERGY SERVICES PROJECTIONS

Load Forecast:

Provide a load forecast summary for the next ten (10) years; **and** provide a narrative statement describing how the load forecast was developed. Discuss any expected future growth. If applicable, you may attach a load forecast study and briefly summarize the results in this section. (See 10 CFR § 905.11 (b) (5)).

Load Forecast:

Reporting Year	Peak Demand (MW)	Total Energy (MWh)
2026	.45	1,283
2027	.46	1,285
2028	.445	1,286
2029	.463	1,287
2030	.465	1,289
2031	.48	1,290
2032	.495	1,291
2033	.49	1,292
2034	.495	1,294
2035	.5	1,295

Narrative Statement:

We develop a load forecast by analyzing historical demand, weather patterns, and customer growth to project future electricity needs. Using statistical models and scenario analysis, we estimate both energy consumption and peak demand under a range of possible conditions to support reliable planning.

SECTION 3**EXISTING SUPPLY-SIDE RESOURCES****Existing Supply-Side Resource Summary:**

Provide a general summary of your existing supply-side resources including conventional resources, renewable generation, and purchase power contracts (including WAPA contracts). Describe the general operation of these resources and any issues, challenges, or expected changes to these resources in the next five (5) years. (See 10 CFR § 905.11 (b) (1)).

Our supply-side resources include firm hydropower allocations from Western Area Power Administration and energy purchased through Evergy GFR.

Existing Generation Resources:

List your current supply-side resources, including conventional resources and renewable generation. If you do not own any generating resources, insert N/A in the first row. Insert additional rows as needed.

Resource Description (Identify resources as base load, intermediate, or peaking)	Fuel Source	Rated Capacity (MW)	In-Service Date (Year)	Estimated Expiration/Retirement Date (Year)
N/A				

Existing Purchase Power Resources:

List your current purchase power resources. Define whether the contract provides Firm Service, Non-Firm Service, all requirements, or another type of service. Include WAPA resources. If applicable, include a summary of resources that are under a net metering program. Insert additional rows as needed.

Resource Description	Fuel Source (If applicable)	Contracted Demand (MW)	Type of Service (Firm, Non-Firm, Requirements, Other)	Expiration Date (Year)
WAPA	Hydro	.100	Firm	2054
Evergy	MIX	1	Firm	2030

SECTION 4**EXISTING DEMAND-SIDE RESOURCES**

Demand-side programs alter a customer's use pattern and include energy conservation, energy efficiency, load control/management, education, and distribution system upgrades that result in an improved combination of energy services to the customer and the ultimate consumer.

Existing Demand-Side Resources:

List your current demand-side programs, including energy conservation, energy efficiency, load control/management, education, or maintenance plans, or system upgrades. Programs may impact the utility distribution system, municipally owned facilities, and/or end-user energy consumption. Refer to Section 9 of this form for a list of example programs. Insert additional rows as needed.
(See 10 CFR § 905.11 (b) (1)).

Program Description	Estimated Program Savings (MW and/or MWh if known) (Include annual impact and impact over the life of the program if known.)
NA	

SECTION 5

FUTURE RESOURCE REQUIREMENTS AND RESOURCE OPTIONS

Balance of Loads and Resources (Future Resource Requirements):

Provide a narrative statement that summarizes the new resources required to provide retail consumers with adequate and reliable electric service during the 5-year resource planning period. Identify any federal or state regulations that may impact your future resource requirements. If you are not experiencing or anticipating load growth and a need for new resources, describe your current procedure to periodically evaluate the possible future need for new resources.

The City of Morrill does not anticipate the need for new generation or wholesale power resources over the five-year planning period, as there is little to no expected load growth and retail demand is projected to remain stable. Existing wholesale power supply arrangements are expected to be sufficient to meet customer needs, with ongoing focus placed on maintaining and improving the distribution system to ensure reliable electric service. While federal and state regulations, including FERC wholesale market requirements and Kansas energy policy developments, may influence the cost and structure of purchased power, they are not expected to require new resource additions. The City continues to monitor load trends and coordinate with its wholesale power provider to confirm long-term resource adequacy.

Identification of Resource Options

Identification and comparison of resource options is an assessment and comparison of existing and future supply-side and demand-side resources available to a customer based upon size, type, resource needs, geographic area, and competitive situation. Resource options evaluated must be identified. The options evaluated should be related to the resource situation unique to each WAPA customer as determined by profile data such as service area, geographical characteristics, customer mix, historical loads, projected growth, existing system data, rates, financial information, and load forecast. (See 10 CFR § 905.11 (b) (1)).

Considerations that may be used to develop potential resource options include cost, market potential, consumer preferences, environmental impacts, demand or energy impacts, implementation issues, revenue impacts, and commercial availability. (See 10 CFR § 905.11 (b) (1) (iii)).

Future Supply-side Options:

List the future supply-side resource options that were considered and evaluated, including, but not limited to conventional generation, renewable generation, and power purchase contracts. Include a brief discussion on the applicability of each option for further consideration or implementation based on your system requirements and capabilities. If new resources are not required during the 5-year resource planning period, please indicate that below. Insert additional rows as needed. (See 10 CFR § 905.11 (b) (1)).

Supply-Side Option	Applicability for Implementation or Further Consideration
NA	

Future Demand-side Options:

List the future demand-side resource options that were considered and evaluated. Demand-side programs alter a customer's use pattern and include energy conservation, energy efficiency, load control/management, education, and distribution system upgrades that result in an improved combination of energy services to the customer and the ultimate consumer. Include a brief discussion on the applicability of each option for further consideration or implementation based on your system requirements and capabilities. Insert additional rows as needed. (See 10 CFR § 905.11 (b) (2)).

Demand-Side Option	Applicability for Implementation or Further Consideration
NA	

Resource Options Chosen:

Describe the resource options that were chosen for implementation or further consideration and clearly demonstrate that decisions were based on a reasonable analysis of the options. Resource decisions may strike a balance among applicable evaluation factors such as cost, market potential, customer preferences, environmental impacts, demand or energy impacts, implementation issues or constraints, revenue impacts, and commercial availability. (See 10 CFR § 905.11 (b) (1) (iv)).

Given the City of Morrill's stable load conditions and little to no anticipated growth, the selected resource strategy is to continue relying on the existing wholesale power supply arrangement to meet all projected retail electric needs. Alternative options such as developing local generation, increasing market-based purchases, or investing in utility-owned distributed energy resources were reviewed but not pursued due to higher costs, limited economies of scale, and operational complexity relative to the City's small customer base. The decision reflects a balanced evaluation of cost, reliability, implementation feasibility, and customer rate impacts, with the current supply arrangement providing the most practical and economical solution. The City will continue to monitor emerging resource opportunities and technologies to ensure future decisions remain aligned with maintaining reliable and affordable electric service.

SECTION 6

ENVIRONMENTAL EFFECTS

Environmental Effects:

To the extent practical, WAPA customers must minimize environmental effects of new resource acquisitions and document these efforts. IRPs must include a qualitative analysis of environmental impacts in summary format. Describe the efforts taken to minimize adverse environmental effects of new resource acquisitions. Describe how your planning process accounts for environmental effects. Include a discussion of policies you conform with or adhere to, and resource decisions that have minimized or will minimize environmental impacts by you and/or your wholesale electricity supplier(s). WAPA customers are neither precluded from nor required to include a qualitative analysis of environmental externalities as part of the IRP process. If you choose to include a quantitative analysis, in addition to the summary below, please attach separately. (See 10 CFR § 905.11 (b) (3)).

The City of Morrill minimizes environmental impacts by relying on its existing wholesale power supplier, which complies with applicable federal and state environmental regulations. With no new generation resources planned, environmental considerations are addressed primarily at the wholesale level. Locally, the City supports efficiency improvements and customer energy conservation to help reduce overall energy use and associated impacts.

SECTION 7**PUBLIC PARTICIPATION****Public Participation:**

Customers must provide ample opportunity for full public participation in preparing and developing an IRP. Describe the public involvement activities, including how information was gathered from the public, how public concerns were identified, how information was shared with the public, and how your organization responded to the public's comments. (See 10 CFR § 905.11 (b) (4)).

The City of Morrill provides opportunities for public participation through its regular City Council meetings, which are open to all residents. During these meetings, utility operations, rates, service reliability, and capital improvement projects are discussed, and the public is given the opportunity to provide comments and ask questions. Customer input is also received through ongoing communication with City staff and is considered in operational and planning decisions.

Specific Actions:

List specific actions you will take to implement your plan over the 5-year planning horizon.

New Supply-Side Resource Acquisitions:

List new resource options your organization is planning to implement, investigate, or pursue in the next five years. Include conventional generation, renewable resources, net metering programs, and purchase power contracts. Include key milestones such as the issuing an RFP, executing a contract, or completing a study. (See 10 CFR § 905.11 (b) (2)).

Proposed New Resource	Begin Date	Est. New Capacity (MW)	Milestones to evaluate progress and/or accomplishments
NA			

New Demand-Side Programs & Energy Consumption Improvements:

List energy efficiency, energy conservation, and load management programs your organization is planning to implement or evaluate in the next five years. Include key milestones to evaluate the progress of each program. Insert additional rows as needed. (See 10 CFR § 905.11 (b) (2)).

Example programs could include:

- Education programs & communications
- Energy efficient lighting upgrades
- Energy audits
- Weatherization & Insulation
- Window/doors upgrades
- Boiler, furnace or air conditioning retrofits
- Programmable thermostats
- Equipment inspection programs
- Use of infrared heat detection equipment for maintenance
- Tree-trimming/brush clearing programs
- Electric motor replacements
- Upgrading distribution line/substation equipment
- Power factor improvement
- Loan arrangements for energy efficiency upgrades
- Rebate programs for energy efficient equipment
- Key account programs
- Load management programs
- Demand control equipment
- Rate designs
- Smart meters (Time-of-Use Meters)

Proposed Items	Begin Date	Est. kW capacity savings per year	Est. kWh savings per year	Milestones to evaluate progress and/or accomplishments
Rate Design	2026	.1	1000	Financial Stability

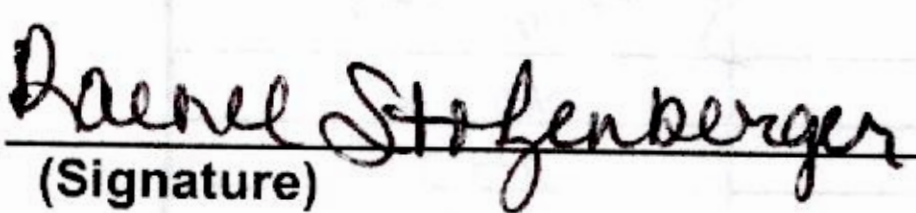
Measurement Strategies:

Describe your plan to evaluate and measure the actions and options identified in the IRP to determine if the IRP's objectives are being met. The plan must identify and include a baseline from which you will measure the IRP implementation's benefits. (See 10 CFR § 905.11 (b) (6)).

The City of Morrill will measure progress using current system performance as the baseline, including historical peak demand, energy use, outage frequency, and overall service reliability. These metrics will be tracked over time through normal utility monitoring and budgeting processes to ensure continued reliable and cost-effective service. Because little to no load growth is expected, the focus will be on maintaining or improving reliability and financial stability relative to existing conditions, with adjustments made as needed based on changes in system performance or customer demand.

SECTION 9**SIGNATURES AND APPROVAL****IRP Approval:**

Indicate that all the IRP requirements have been met by having the Responsible Official sign below; **and** provide documentation that the IRP has been approved by the appropriate governing body (i.e. provide a copy of the minutes that document an approval resolution). (See 10 CFR § 905.11 (b) (4)).

Rachel Stolzenberger (Name – Print or type)	City Clerk (Title)
 (Signature)	July 13, 2026 (Date)

Other Information:

(Provide/attach additional information if necessary)

IRP Posting Requirement:

10 CFR § 905.23 of the EPAMP as amended effective July 21, 2008, facilitates public review of customers' approved IRPs by requiring that a customer's IRP be posted on its publicly available Web site or on WAPA's Web site. Please check the method in which you will comply with this requirement within thirty (30) days of receiving notification the IRP has been approved:

☐	Customer will post the approved IRP on its publicly available website and send the URL to WAPA.
☒	Customer would like WAPA to post the approved IRP on WAPA's website.