

## 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 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 their 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 backup 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 backup 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 Energy Services Web site

(<https://www.wapa.gov/EnergyServices/Pages/energy-services.aspx>) provides extensive information on integrated resource planning and reporting requirements. If you have questions or require assistance in preparing your IPR, contact your WAPA regional Energy Services representative.

## IRP Content

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# INTEGRATED RESOURCE PLAN (IRP) 5-Year Plan

<b>Customer Name:</b>
<b>City of Lindsborg, KS</b>

<b>IRP History:</b> Check one as applicable.	
	<b>This is the submitter's first IRP submittal.</b>
<input checked="" type="checkbox"/>	<b>This submittal is an update/revision to a previously submitted IRP.</b>

<b>Reporting Dates:</b>	
<b>IRP Due Date:</b>	July 1, 2022
<b>Annual Progress Report Due Date:</b>	July 1--annually

<b>Customer Contact Information:</b> Provide contact information for your organization. The contact person should be able to answer questions concerning the IRP.	
<b>Customer Name:</b>	City of Lindsborg
<b>Address:</b>	101 S. Main St. PO Box 70
<b>City, State, Zip:</b>	Lindsborg, KS 67456
<b>Contact Person:</b>	Kristi Northcutt
<b>Title:</b>	City Administrator
<b>Phone Number:</b>	785-227-3355
<b>E-Mail Address:</b>	<a href="mailto:kristin@lindsborgcity.org">kristin@lindsborgcity.org</a>
<b>Website:</b>	<a href="http://www.lindsborgcity.org">www.lindsborgcity.org</a>

<b>Type of Customer:</b> Check one as applicable.	
<input checked="" type="checkbox"/>	<b>Municipal Utility</b>
<input type="checkbox"/>	<b>Electric Cooperative</b>
<input type="checkbox"/>	<b>Federal Entity</b>
<input type="checkbox"/>	<b>State Entity</b>
<input type="checkbox"/>	<b>Tribal</b>
<input type="checkbox"/>	<b>Irrigation District</b>
<input type="checkbox"/>	<b>Water District</b>
<input type="checkbox"/>	<b>Other (Specify):</b>

**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).

<b>Reporting Period</b>	
Reporting Period Start Date (mm/dd/yyyy)	01/01/2021
Reporting Period End Date (mm/dd/yyyy)	12/31/2021
<b>Energy Sales &amp; Usage</b>	
Energy sales to Ultimate End Customers (MWh)	27,257
Energy sales for Resale (MWh)	0
Energy Furnished Without Charge (MWh)	0
Energy Consumed by Respondent Without Charge (MWh)	1,153
Total Energy Losses (MWh entered as a positive number)	2,094
Total Energy Usage (sum of previous 5 lines in MWh)	30,504
<b>Peak Demand (Reporting Period)</b>	
Highest Hourly Summer (Jun. – Sept.) Peak Demand (MW)	8.9
Highest Hourly Winter (Dec. – Mar.) Peak Demand (MW)	4.8
Date of Highest Hourly Peak Demand (mm/dd/yyyy)	8/12/21
Hour of Highest Hourly Peak Demand (hh AM/PM)	5:00 PM
<b>Peak Demand (Historical)</b>	
All-Time Highest Hourly System Peak Demand (MW)	8.9
Date of All-Time Hourly System Peak Demand (mm/dd/yyyy)	8/12/21
Hour of All-Time Hourly Peak System Demand (hh AM/PM)	5:00 PM
<b>Number of Customers/Meters (Year End of Reporting Period)</b>	
Number of Residential Customers	1,480
Number of Commercial Customers	245
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 Lindsborg is located in Central Kansas, approximately 20 miles south of Interstate 70 and two miles west of Interstate 135. As of the 2020 census, Lindsborg has a population of 3,776. The two largest neighboring towns are Salina, 15 miles to the north with a population of 46,889, and McPherson, 15 miles to the south, with a population of 14,082. Lindsborg is in the north of McPherson County, near the Saline County line. In 2020, the combined population of Saline and McPherson Counties was 84,526.

The community in Lindsborg actively pursues growth, both in population and with a view to expanding our business and industrial base. In order to invite young working-age adults to the community, a new subdivision was platted with 150 lots at Stockholm Estates, and a partnership between the City and a non-profit childcare center led to a new state-of-the-art childcare center for 100 children. Besides farm services, major employers represent manufacturers, healthcare, schools, and retailers. Lindsborg’s workforce lives in both Saline and McPherson counties. During the winter, average high temperatures are 42-48 degrees Fahrenheit; average lows are 23-27 degrees Fahrenheit. Summer high temperatures average 88-93 degrees Fahrenheit; lows 66-70 degrees Fahrenheit.

The City provides electric, water, and sewer utility services to the community. Natural gas service is provided by Kansas Gas Service. Electric Transmission is provided by Evergy. Lindsborg purchases its power through the Kansas Municipal Energy Agency and has a diverse portfolio of purchased power.

The City’s electric utility serves the approximately 1.5 square mile territory located within City limits. The surrounding territory is supplied by DS&O Rural Electric Cooperative. Weather is the key determinant of electric peak load, with summer cooling load driving the system peak.

The utility has no generating facilities. Electricity is distributed by the utility at a 7,200-volt primary voltage. There are three retail rates (residential, small commercial, and large commercial), each composed of a customer charge, a distribution charge, and an energy charge; large commercial also has a demand charge component.

	Customer Charge	Distribution Charge (\$/kWh)	Energy Charge (\$/kWh)	Demand Charge (\$/kW)
Residential	\$20	.0440	.0555	
Small Commercial	\$20	.0440	.0589	
Large Commercial	\$35	.0260	.0500	.0280

The utility’s major customers include Bethany College; Bethany Villages (an intermediate care facility with independent, assisted and skilled-care living); Lindsborg Community Hospital, a 25-bed critical access hospital; the school district with an

elementary, middle, and high school in the City; White's Grocery; Columbia Industries; Mid-Kansas Co-op; and three gas stations.

Lindsborg owns and operates its electric utility as a service to and for the benefit of the community. As such, the utility's goal is to provide reliable electric service at a reasonable price. As a benefit to the community, the utility provides electric service at no charge to a public Tesla level 2 charger at City Hall, the water and sewer departments, city buildings, streetlights, and city parks. The City transfers interest earned on electric department deposits to the general fund. Periodically, net revenues produced by electric operations are also transferred to the City's general fund and the industrial development fund.

**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 Lindsborg purchases all its power needs and is, therefore, an electric distribution utility. The distribution department is comprised of 4 FTEs, 1 supervisor, and 3 linemen. The administration consists of 5 employees who comprised 1.5 FTE for the electric utility. The Public Works director spends  $\frac{1}{4}$  of his time as Director of Utilities; Finance Manager spends  $\frac{1}{4}$  of his time on the financial affairs of the utility; Utility Billing Clerk spends  $\frac{1}{2}$  of her time with the electric utility business, and the City Administrator and Assistant City Administrator each spend  $\frac{1}{4}$  of their time with general management responsibilities of the electric utility. Due to the small size of the utility, it is not economically feasible to have an in-house engineering staff, so this service must be contracted.

**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)
2012	8.6	30,588
2013	8.0	30,296
2014	8.5	30,271
2015	8.7	29,897
2016	8.4	30,506
2017	8.8	29,639
2018	8.2	31,574
2019	8.7	30,352
2020	8.1	30,861
2021	8.6	30,524

## 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)
2022	9.1	30,656
2023	9.1	30,809
2024	9.2	30,963
2025	9.2	31,119
2026	9.3	31,274
2027	9.3	31,430
2028	9.4	31,587
2029	9.4	31,745
2030	9.5	31,904
2031	9.5	32,064

Narrative Statement:

Past studies have assumed an annual 1.0% growth in peak load. The reality has fallen short of that, with only 3% over the entire 9-year period. Despite our modest population increase, our growth in energy use has been minimal, likely due to both a local as well as national emphasis on conservation, particularly with improved standards in appliances. For projecting out to 2031, a .5% annual growth was used.



## 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 Western Area Power Administration 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)).

The City of Lindsborg electric utility purchases all its power needs through power supply contracts. Lindsborg has a diverse power supply, including contracts with NextEra for 1 MW fixed energy 7x24, which expires 12/31/2027; 1 MW of the Buckeye Wind Farm expiring 5/31/2033; .3 MW of Southwestern Power Administration Hydropower, expiring 5/31/2034; .897 MW WAPA Hydro Power summer allocation expiring 9/30/2054; and ownership of a 2.1 MW allocation for life of plant of Dogwood Combined Cycle Plant, which is scheduled for possible decommission in 2045 but could continue longer depending on feasibility and the agreement of the ownership group.

The City of Lindsborg does not operate any generation resources at this time; the possibility of owning and operating utility-scale solar was introduced in the 5-year capital improvement program presented to City Council this year.

**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.

<b>Resource Description</b> (Identify resources as base load, intermediate, or peaking)	<b>Fuel Source</b>	<b>Rated Capacity (MW)</b>	<b>In-Service Date (Year)</b>	<b>Estimated Expiration/Retirement Date (Year)</b>
Dogwood Combined Cycle Plant	Gas	2.1	-	2054

**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 Western Area Power Administration resources. If applicable, include a summary of resources that are under a net metering program. Insert additional rows as needed.

<b>Resource Description</b>	<b>Fuel Source</b> (If applicable)	<b>Contracted Demand (MW)</b>	<b>Type of Service</b> (Firm, Non-firm, Requirements, Other)	<b>Expiration Date (Year)</b>
NextEra		1	Fixed, 7x24	12/31/27
Buckeye Wind	Wind	1		5/31/33
SPA Hydro	Hydro	.3		5/31/34
WAPA Hydro	Hydro	.897	Summer	9/30/54

**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, 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)).*

<b>Program Description</b>	<b>Estimated Program Savings (MW and/or MWh if known)</b> (Include annual impact and impact over the life of the program if known.)
Exterior Improvement Window Replacement	
9 customers with Solar Generation 4 Residential 5 Commercial	
4 Customers with Ground Source Heat Pump	

## 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 is a member of the Kansas Municipal Energy Agency (KMEA—a joint action agency) and works closely with its staff on future resource planning and power supply options. We value our diversified portfolio, including a diversity of resources, power supply sources, and power supply terms.

The City Council adopted a new interconnection and parallel generation ordinance in November 2021 that is currently being implemented in order to ensure the ongoing reliability of our system and to ensure that the costs of distribution are carried by all customers.

Utility-scale solar has been identified as a likely future resource for the utility.

**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 the 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)).

<b>Supply-Side Option</b>	<b>Applicability for Implementation or Further Consideration</b>
Community Solar	Exploring the potential for a community solar program.
Utility Scale Solar	Exploring the potential to enter into a long-term agreement for up to 2 MW of a utility-scale solar project.

**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)).

<b>Demand-Side Option</b>	<b>Applicability for Implementation or Further Consideration</b>
Time of Use Rates	This would help to fill valleys in our curve, particularly with the charging of EVs at night.
Smart Thermostat	A smart thermostat program is expected to reduce overall consumption.

**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)).

Our diversification of power supply options has included renewables such as hydro and wind (1 MW of the Buckeye Wind Farm expiring 5/31/2033; .3 MW of Southwestern Power Administration Hydropower, expiring 5/31/2034; .897 MW WAPA Hydro Power summer allocation expiring 9/30/2054). We anticipate integrating more solar power into our supply. Those investments will be made based on the ability to integrate solar energy economically and ensure reliability.

Lindsborg embraces energy efficiency programs. A \$0.001 per kWh adder is included in the retail rates for energy efficiency programs. These programs promote the efficient and conservative use of energy. This reduces the generation load to serve Lindsborg's needs, therefore minimizing environmental impacts, especially through fossil fuel-based generation.

**Environmental Effects:**

To the extent practical, WAPA customers must minimize the 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 quantitative analysis, in addition to the summary below, please attach it separately. (See 10 CFR § 905.11 (b) (3)).

A program that the City has initiated is an exterior improvement grant that includes an incentive for households to upgrade their windows to Energystar windows. Lindsborg also has worked to be a leader in the adoption of Electric Vehicles. In 2019, the City purchased an EV for use for travel out of the City which has been a very valuable learning experience about the needs and wants of the EV-driving traveling public. In support of that program, the City installed a level-2 charger that is made available to the public, as well. Incentives for residential installation of level-2 chargers have been considered, both to encourage the adoption of this technology to reduce environmental impacts, but also in order to ensure that our utility is aware of where this increased demand is located and can plan improvements to our distribution system accordingly.



**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)).

1. August 1, 2022, City Council meeting: a preliminary draft of the IRP was public reviewed and open for public input. The council agenda and documentation are publicly distributed prior to meetings.
2. August 15, 2022, City Council meeting. IRP presented for input, consideration, and approval.

## SECTION 8

# ACTION PLAN & MEASUREMENT STRATEGIES

### **Action Plan Summary:**

Describe the high-level goals and objectives that are expected to be met by the implementation of this resource plan within the 5-year resource planning period. Include longer-term objectives and associated time period(s) if applicable. (See 10 CFR § 905.11 (b) (2)) and (See 10 CFR § 905.11 (b) (6)).

Our electricity resource plan covers the period 2022 to 2027. Priorities include:

1. Load shifting during the summer and valley filling during the winter.
2. Appropriately integrating parallel generation.
3. Ownership of utility-scale solar.

We will continue to ensure that our purchase power agreements (PPA) provide diverse resource options and varied expiration terms. Our portfolio of power supply will continue to provide safe, reliable, and economic supply for the City.

**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 issuing an RFP, executing a contract, or completing a study. (See 10 CFR § 905.11 (b) (2)).

<b>Proposed New Resource</b>	<b>Begin Date</b>	<b>Est. New Capacity (MW)</b>	<b>Milestones to evaluate progress and/or accomplishments</b>
Utility Scale Solar	4/1/2022	2	This will continually be evaluated for feasibility until the right project is available at the right price.

## 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
Programmable Thermostats	11/2024	Unknown	Unknown	This will depend on the interest of the Council.
Upgrading substation	Already Begun	Unknown	Unknown	Should be finished in 2024.
Smart Meters	Already Begun	Unknown	Unknown	Should be finished by end of 2022.
Time of Use Rates	11/2024	Unknown	Unknown	This will depend on the interest of the Council.


**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)).

Programmable Thermostats would be compared year to year for those customers receiving the rebate to see the impact on individual household consumption and the aggregate reduction in demand.	
Upgrading the substation will result in few net savings but increases the reliability of our distribution.	
Smart Meters will result in few net savings but enables the introduction of Time of Use Rates.	
Time of Use Rates will not reduce overall demand but will improve our demand curve, allowing us to move demand off our peak. The impact will be measured by looking at annual peak consumption year to year.	

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

Indicate that all of 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)).

<u>Roxie Sjogren</u> (Name – Print or type)	<u>City Clerk</u> (Title)	
<u>Roxie Sjogren</u> (Signature)	<u>9.28.2022</u> (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:

<input type="checkbox"/>	Customer will post the approved IRP on its publicly available website and send the URL to WAPA.
<input checked="" type="checkbox"/>	Customer would like WAPA to post the approved IRP on WAPA's website.

**IRP Updates:**

WAPA's customers must submit updated IRPs every five (5) years after WAPA's approval of the initial IRP.

**IRP Annual Progress Reports:**

WAPA's customers must submit IRP progress reports each year within thirty (30) days of the anniversary date of the approval of the currently applicable IRP. Annual progress reports can be submitted using WAPA's on-line reporting tool, which can be accessed at: <https://www.wapa.gov/EnergyServices/IRP/Pages/irp.aspx>

**LINDSBORG CITY COUNCIL**  
**Lindsborg City Hall**  
**August 15, 2022–6:30 p.m.**  
**Meeting Minutes**

**COUNCILMEMBERS PRESENT:**

Clark Shultz, Rebecca Van Der Wege, Kirsten Bruce, Emile Gallant, Tanner Corwin, John Presley

**COUNCILMEMBERS ABSENT:**

Blaine Heble, Corey Peterson

**OTHERS PRESENT:**

Kristi Northcutt, Roxie Sjogren, Zach Strella, Chief Michael Davis, Chris Lindholm, David Hay, Beth Ferguson, Holly Lofton, Jordan Jerkovich, Mike Schmaderer (KMEA), Rod Schrage

The meeting was called to order at 6:30 p.m. by Mayor Shultz, followed by the pledge of allegiance.

**PUBLIC INPUT:**

There was no public input.

**AMENDMENTS TO THE AGENDA:**

There were no amendments to the agenda.

**MAYOR'S REPORT:**

Mayor Shultz shared that with the retirement of Council President Rick Martin, the Mayor and Council will appointing a new councilmember from Ward 3. Those that are interested in filling the Ward 3 position can submit a resume and a cover letter and/or letter of interest to City Clerk Roxie Sjogren by noon on Friday, August 26, 2022.

**CONSENT AGENDA:**

**Councilmember Kirsten Bruce moved to approve the minutes from the August 1, 2022, regular Council meeting, Payroll Ordinance 5376, and Purchase Order Ordinance 5377. Motion seconded by Councilmember John Presley. The motion passed 5-0 by roll call vote.**

**APPOINTMENTS:**

There were no appointments.

**PLANNING AND ZONING:**

The last regularly scheduled meeting was on July 26, 2022, and the next meeting is scheduled for Tuesday, September 27, 2022.

**OLD BUSINESS:**

There was no old business.

**NEW BUSINESS:**

**WAPA Integrated Resource Plan**

Lindsborg purchases a small portion of its electricity from the Western Area Power Administration (WAPA). A requirement of the contract is the adoption of a 5-year Integrated Resource Plan (IRP). The plan must include information on how the city will reduce energy consumption and meet future demand, including an emphasis on the environmental effects of our electric supply.

Opportunities identified in the plan will include the work that we are doing on automated metering and the potential for time of use rates; smart thermostats; the energy impact of the exterior improvement grant with the replacement of windows; as well as ongoing staff discussions regarding incentivizing home EV chargers, and the parallel generation ordinance that was adopted in November 2021.

Staff first brought this as a draft to Council at the August 1, 2022, regular meeting for consideration and to open the public comment period. Since that meeting, figures were changed on page 7 of the packet Council received; it had just been estimates had been included in the draft previously share with Council; staff reviewed those and updated to final numbers.

The goal of the plan is to ensure that our energy supply is diverse, reliable, and dispatchable.

**Councilmember Emile Gallant moved to adopt the Western Area Power Administration Five-year Integrated Resource Plan as corrected regarding the number of solar customers. Seconded by Councilmember Tanner Corwin and passed 5-0 by voice vote.**

### **Substation Transformer**

Staff has a concern about the age and condition of the substation transformer and the fact that at peak loads, it is approaching its maximum capacity. As the town continues to grow and homes are added, this load will continue to increase. This has been an ongoing discussion between staff and Council, and in March 2022, Council approved a Master Service Agreement between the City and KMEA Mid-States to begin the process of collecting estimates and creating plans to add a second transformer. At the June 20, 2022, meeting, substation specifications and the authorization to procure bids were approved by the Council.

Specifications were sent to two companies for bids for the substation transformer. Virginia-Georgia Transformer (V-GT) and Sunbelt Solomon (SS) both returned bids and both met the technical specifications sent to them. The differences are listed in the attached documents and highlighted here.

- V-GT comes with a standard 5-year warranty, installation & testing included, spare parts included, and it is a brand-new transformer.
- SS is only a 3-year standard warranty and costs \$11,320.00 for each additional year; installation/testing cost is \$12,000.00, spare parts \$9,820.00, and it is a remanufactured transformer. The only advantages to SS are the lead time is less, and the payment is upon invoice (completion). However, SS is still a little over \$9,000.00 more than V-GT.

While this is an expensive project, there are two important points to keep in mind and they are tied together. First, the new transformer will provide the city with redundancy should the current 55-year-old transformer fail. Second, the current Wholesale Distribution Service Charge (WDSC) from Evergy is \$554.08. If the current transformer fails and it is replaced by Evergy, our WDSC charge would go to around \$9,200.00 per month. Even if it does not fail, it is expected to be replaced in 2026 and the WDSC charges will likely be significantly more than \$9,200.00.

**Councilmember Emile Gallant moved to approve the bid from Virginia-Georgia Transformer for the purchase of the substation transformer for \$616,730.00 plus tax. Seconded by Rebecca Van Der Wege and passed 5-0 by roll call vote.**

### **Substation Transformer Task Order #2**

The second part of the substation transformer project includes Task Order #2. This task order addresses the Scope of Work for the additional items required to install the new transformer. This includes the development of several drawings for foundations, steel structures, and controls. There are also components such as a breaker,



relays, and additional electrical and hardware components, which have long lead times and need to be ordered to ensure delivery.

Along with the procurement of all the required components for this project, there is a significant amount of prep work that will need to be finished prior to the delivery of the new transformer. This work includes the site prep, pouring of concrete foundations, installation of conduit, ground gird, fence work, installation of structural steel, wire and cable work, and the installation of all the controls and switches as they arrive.

**Councilmember Tanner Corwin moved to approve Task Order #2 from KMEA Mid-States for items relating to the engineering, procurement, and construction services for the installation of a second substation transformer for \$686,000.00. Seconded by Councilmember John Presley and passed 5-0 by roll call vote.**

#### **Happy Swede CMB Application**

The city has received an application for a Cereal Malt Beverage (CMB) license from the Happy Swede, LLC for the remainder of 2022, for both on-site and off-site consumption. All applications have been reviewed by Chief Davis and background checks completed by the KBI. The proper application fees also have been received.

**Councilmember Rebecca Van Der Wege moved to approve Happy Swede's applications for a cereal malt beverage license for onsite consumption and off-site consumption for 2022. Seconded by Councilmember Kirsten Bruce and passed 5-0 by voice vote.**

#### **Land Acquisition/Union Street Parcels**

The Community Development Department has identified two parcels of land to help facilitate the strategic development of a range of housing types and prices to meet the market demand and resident needs in Lindsborg, as outlined in the Strategic and Comprehensive Plans. The two parcels (parcel number: 059-034-17-0-30-17-003.00-0 and parcel number: 059-034-17-0-30-17-001.00-0) located on Union Street (a site map was provided to Council), are currently zoned R-3 Multiple-Family Dwelling District and can accommodate multi-family development – a key undeveloped segment in the Lindsborg housing stock. If purchased, the department would be able to utilize the land, via private or non-profit partnerships, to facilitate the addition of multi-family units to serve community housing needs.

Of note, this land has remained undeveloped for years due to its location within the FEMA designated floodplain (map was provided to Council). Importantly, FEMA is currently in the process of finalizing a revised version of its Flood Insurance Rate Map (FIRM) in Lindsborg. FEMA's preliminary map revisions show that the two parcels will be removed from the floodplain upon the establishment of FEMA's new FIRM, meaning these parcels will become developable property without having to acquire additional permits from FEMA and the Kansas Department of Agriculture Division of Water Resources (KDA DWR).

Both parcels have recently been offered for sale at a price of \$21,000 each; the total price for both lots is \$42,000. The department believes that this land could be utilized for medium density, multi-family housing development that supports the housing needs of either (1) 55+ years of age or (2) all ages regardless of ability status. This could be facilitated by issuing a Request for Proposal (RFP) to private developers or through a partnership with existing non-profit entities.

**Councilmember Kirsten Burce moved to approve an offer for purchase of two parcels of land on Union Street (parcel number: 059-034-17-0-30-17-003.00-0 and parcel number: 059-034-17-0-30-17-001.00-0) at a price not to exceed a total of \$42,000. Motion not seconded; motion failed.**

**Mayor Shultz recommended taking no action, but Council asked Community Development Director Jordan Jerkovich to get more information regarding the feasibility of this project.**

**Positive Pressure Fan**

The Fire Department uses positive pressure blower fans as a ventilation tool to remove smoke, heat, and other combustion products from a structure. These fans allow firefighters to perform their tasks in a safer and more tenable environment. We have aging gas powered pressure fans that at times have been difficult to start and end up adding and circulating more Co2 fumes into the space they are trying to ventilate.

The Fire Department budgeted to replace one of the older gas-powered pressure fans this year with an electric powered pressure fan that is quieter than the gas-powered fan, lasts longer, and is easier to maintain. Additionally, the electric powered fan is more flexible and reduces more Co2 from being pushed into the area our firefighters are trying to ventilate than a gas-powered fan.

Quotes were obtained for electric pressure fans that push out the same amount of cubic feet of air per minute from Mallory Safety and Supply, LLC, Danko on FireShopUSA.com, and Feld Fire. The lowest quote received was from Mallory Safety and Supply, LLC in the amount of \$2,885.67. This price includes the purchase and shipping costs for the fan.

**Councilmember John Presely moved to approve the purchase of one Tempest variable-speed Electric Power blower pressure fan from Mallory Safety and Supply, LLC in the amount of \$2,885.67. Seconded by Rebecca Van Der Wege and passed 5-0 by roll call vote.**

**EXECUTIVE SESSION:**

There was no executive session.

**OTHER:**

Mayor Shultz shared that Council would be having a retreat on August 26-27; it will be information sharing only, no votes or action will be taken.

**ADJOURNMENT:**

**Councilmember Kirsten Bruce moved for adjournment, seconded by Councilmember Tanner Corwin, and passed 5-0. Meeting was adjourned at 7:49 p.m.**

Respectfully Submitted,  
Roxie Sjogren, CMC  
City Clerk