

BOARD INFORMATION PACKET



**Board of Public Utilities
Kansas City, Kansas**

Regular Meeting of

July 17, 2024



**Gold Award
for
Competitiveness
Achievement**



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July 17, 2024

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Regular Session

July 17, 2024 – 6:00 P.M.

- I. Call to Order
- II. Roll Call
 - ___ Mary L. Gonzales, At Large, Position 1
 - ___ Tom Groneman, District 2
 - ___ David Haley, At Large, Position 2
 - ___ Stevie A. Wakes, Sr., District 1
 - ___ Rose Mulvany Henry, At Large, Position 3
 - ___ Brett Parker, District 3
- III. Approval of Agenda
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 - i. IRP Summary
 - ii. IRP Public Comment
 - iii. Environmental Update
 - iv. Economic Development Fund Request Vote
 - a. Y Lofts – Resolution 5302
 - b. Cottages at Village West – Resolution 5303
 - v. Transfer of Funds
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 - b. KCKCC
 - vi. Miscellaneous Comments
- VIII. Public Comments on Agenda Items
- IX. Board Comments
- X. Adjourn

WORK SESSION MINUTES – WEDNESDAY, JULY 3, 2023

STATE OF KANSAS)
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The Board of Public Utilities of Kansas City, Kansas (aka BPU, We, Us, Our) met in Work Session on Wednesday, July 3, 2024 at 4:30 PM. The following Board Members were present: Thomas Groneman, President; David Haley, Vice President; Stevie A. Wakes Sr., Secretary; Mary Gonzales, Rose Mulvany Henry and Brett Parker.

Also present: William Johnson, General Manager; Angela Lawson, Acting Chief Counsel; Jeremy Ash, Chief Operating Officer; Lori Austin, Chief Financial Officer; Abbey Frye, Chief Administrative Officer; Andrew Ferris, Director Financial Planning; Patrice Townsend, Director Utility Services; Ingrid Setzler, Director Environmental Services; Douglas Bowen, Director Electric Production Operations/Maintenance; Nicholas Moreno, Communications Coordinator; and Robert Kamp, IT Project Manager.

A video of this meeting is on file at the Board of Public Utilities and can be found on the BPU website, www.bpu.com.

Mr. Groneman called the meeting to order at 4:30 PM.

Roll call was taken. All members were present, except for Mr. Haley, who arrived at 4:32 PM.

Item #3 –Approval of Agenda

A motion was made to approve the Agenda, by Ms. Mulvany Henry, seconded by Mr. Wakes, and unanimously carried.

Item #4 –Board Update/GM Update

There were no updates provided.

Item #5 – IRP Objectives – Black & Veatch

Mr. Chuck Poston and Mr. Gary Wilmes, with Black & Veatch, continued the Integrated Resource Plan (IRP) presentation and discussion with the Board. (See attached PowerPoint.) Topics included:

- Forecasting firm capacity requirements, which included capacity surplus and deficit amounts, throughout the IRP planning period.

WORK SESSION MINUTES – WEDNESDAY, JULY 3, 2023

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- Alternative resources to meet firm capacity needs, such as, purchased capacity and expansion candidates.
- Focus on the preliminary results of the Base Case, which assumed operations consistent with the status quo.
- The need to add new generating facilities, beginning 2038, to meet capacity requirements.
- Economic conditions to consider prior to retiring an existing unit, including capital costs.

A layout of the project timeline with the final IRP action plan being presented to the Board on August 21st for approval. The timeline was tentative and could be adjusted.

Mr. Poston, Mr. Wilmes, Mr. Johnson, and Mr. Ferris, responded to questions and comments from the Board.

Item #6 – Economic Development Fund Proposal

Ms. Patrice Townsend, Director Utility Services, provided information to the Board regarding fund requests from Y Lofts and Cottages at Village West. She gave a recap of each request and the Board decided to have resolutions presented at the July 17th Board meeting with different award amounts then were requested by the applicants.

Mr. Johnson informed the Board of a change to the original requirements on a previously approved Economic Development fund request for Kansas City Kansas Community College (KCKCC) downtown campus. He said he would send the information to the Board for their review.

Item #7 – Adjourn

A motion was made to adjourn the Work Session at 5:57 PM by Mr. Parker, seconded by Mr. Wakes and unanimously carried.

WORK SESSION MINUTES – WEDNESDAY, JULY 3, 2023

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ATTEST:

APPROVED:

Secretary

President



2024 Integrated Resource Plan

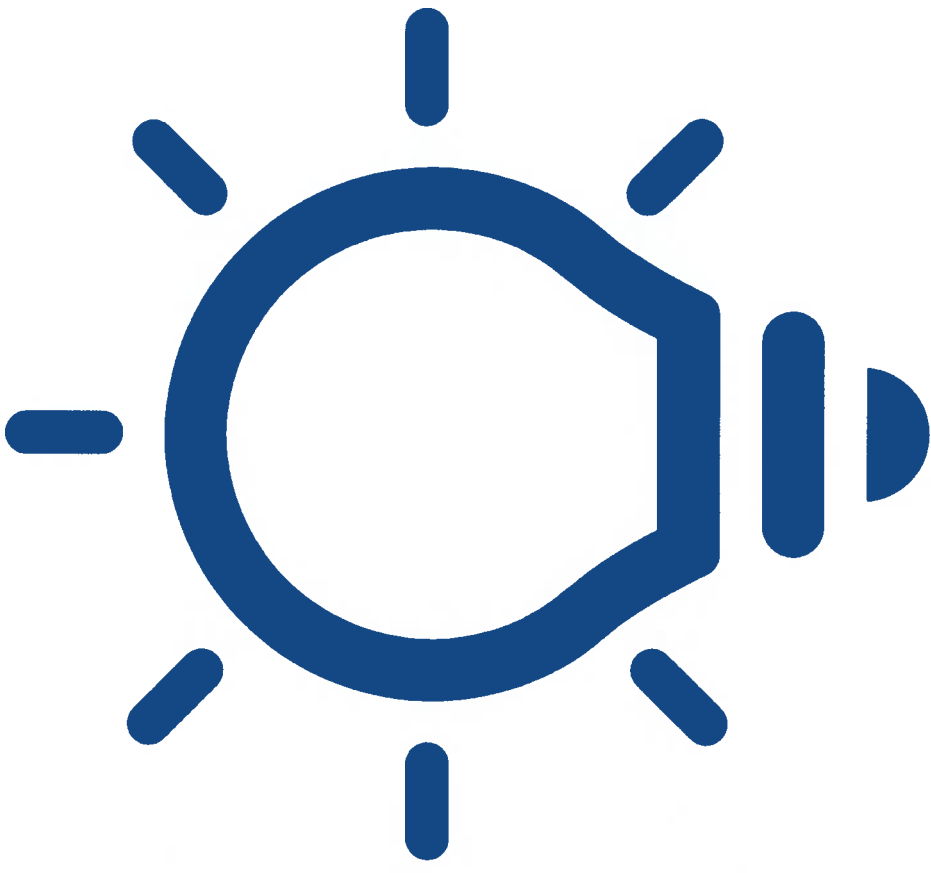
Kansas City Board of Public Utilities

July 3, 2024

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Agenda

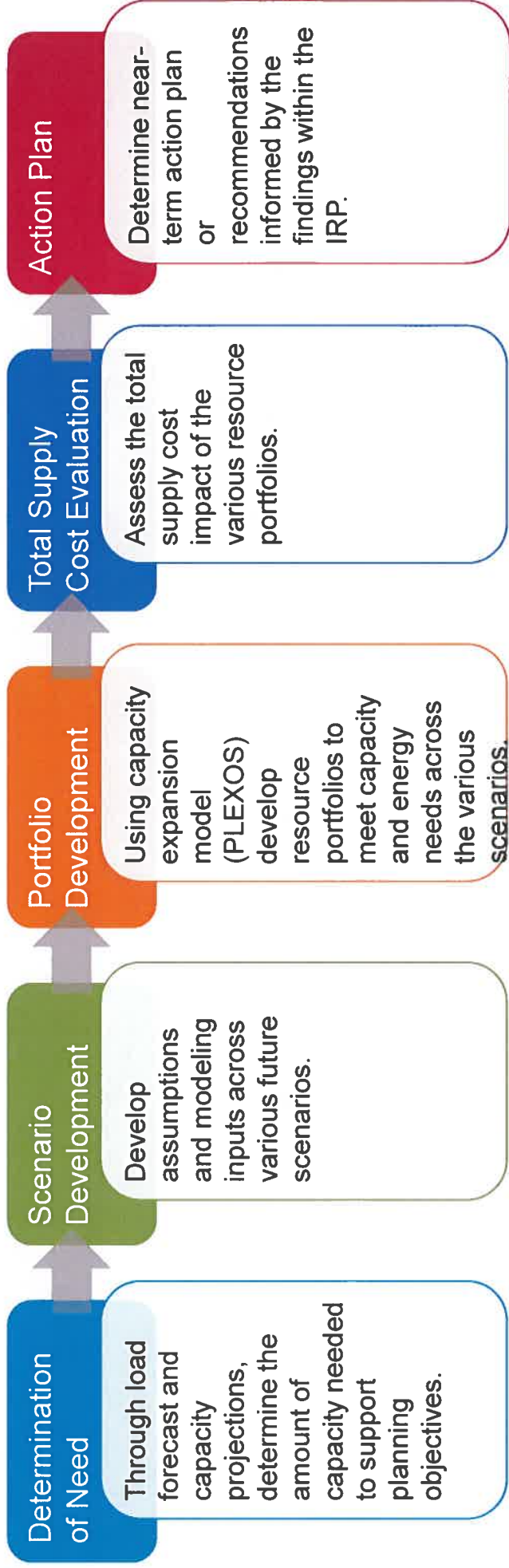
- Analytical Framework
- Base Case Capacity Requirements
- Resource Alternatives
- Capital Cost Assumptions
- Initial Base Case Results
- Project Schedule



Analytical Framework

Analytical Framework

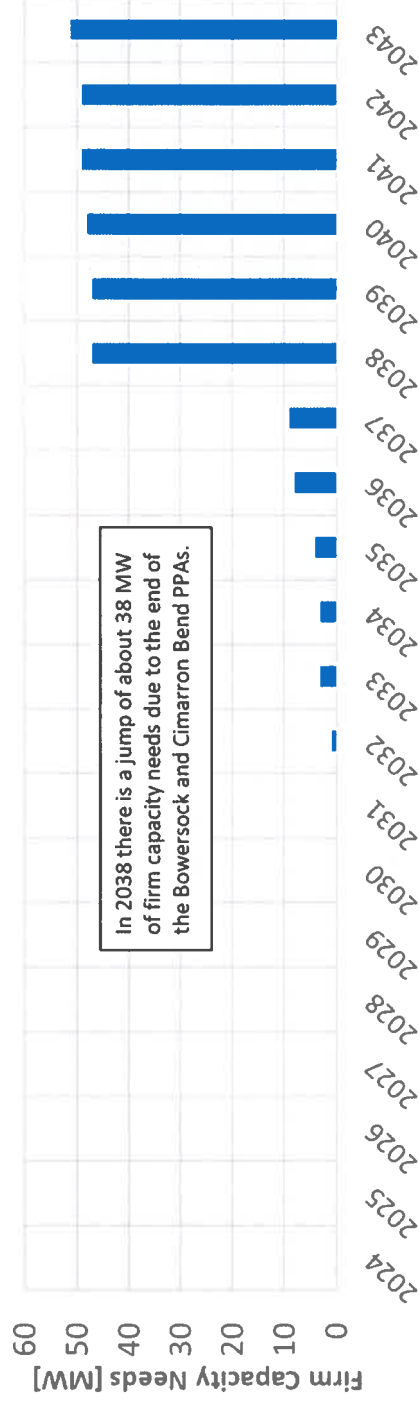
There are four phases to the IRP analysis that ultimately provides insights into BPU's strategy and near-term action plan to address its long-term resource needs.



Base Case Capacity Requirements

Forecast Firm Capacity Requirements

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	
Nearman Creek (1)	240.0	240.0	240.0	220.8	220.8	220.8	220.8	220.8	220.8	220.8	220.8	220.8	220.8	220.8	220.8	220.8	220.8	220.8	220.8	220.8	220.8	220.8
Nearman Creek (CT4)	81.0	81.0	81.0	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
Dogwood	105.0	105.0	105.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
Quindaro (GT2)	43.0	43.0	43.0	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
Quindaro (GT3)	48.0	48.0	48.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
SWPA Hydro	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
WAPA Hydro	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
Bowersock Hydro	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
Oak Grove (G1)	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Oak Grove (G2)	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95
Smoky Hills Wind	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
Alexander Wind	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
Cimarron Bend Wind	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
BPU Solar	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
KC BPU Total:	609	609	609	571	567	567	564	564	564	564	564	564	560	560	523	523	523	523	523	523	523	522
System Peak	487	487	488	488	489	489	490	490	491	492	492	493	493	494	495	495	496	497	497	497	497	498
System Peak + Capacity Margin (15%)	560.1	560.1	561.2	561.2	562.4	562.4	563.5	563.5	564.7	565.8	565.8	567.0	567.0	568.1	569.3	569.3	570.4	571.6	571.6	571.6	571.6	572.7
Capacity Surplus/(Deficit)	49.0	49.0	47.9	9.8	4.9	4.9	0.2	0.2	(1.0)	(2.1)	(2.1)	(3.3)	(7.1)	(8.2)	(46.4)	(46.4)	(47.5)	(48.7)	(48.7)	(48.7)	(48.7)	(50.4)



Resource Alternatives

Capacity Purchases

- In the PLEXOS Expansion Planning model, a maximum of 20 MW of firm capacity can be purchased for any one year with a one-year term.
- The result of this limitation is that by 2038, actions will need to be taken to secure other sources of firm capacity.

Year	MW needed	5% / year increase	
		Nominal\$/kW-month	2024\$/kW-month adjusted for inflation*
2024	0	\$7.00	\$7.00
2025	0	\$7.35	\$7.17
2026	0	\$7.72	\$7.35
2027	0	\$8.10	\$7.52
2028	0	\$8.51	\$7.71
2029	0	\$8.93	\$7.90
2030	0	\$9.38	\$8.09
2031	1	\$9.85	\$8.29
2032	2	\$10.34	\$8.49
2033	2	\$10.86	\$8.70
2034	3	\$11.40	\$8.91
2035	4	\$11.97	\$9.12
2036	8	\$12.57	\$9.35
2037	9	\$13.20	\$9.58
2038	47	\$13.86	\$9.81
2039	47	\$14.55	\$10.05
2040	48	\$15.28	\$10.29
2041	49	\$16.04	\$10.54
2042	49	\$16.85	\$10.80
2043	51	\$17.69	\$11.06

*The long-term inflation rate is assumed to be 2.5%/year.

Expansion Candidates

Resource Type	Max Capacity [MW]	Firm Capacity [MW]
1x0 LM6000 PF+	54.8	50.96
1x1 LM6000 PF+ DF	93.3	86.77
2x1 LM6000 PF+ DF	189	175.77
3x1 LM6000 PF+ DF	284.1	264.21
Biomass	5	4.65
Percentage of New Combined Cycle Facility	50	46.50
1x0 RICE	18.17	16.90
Simple Cycle Combustion Turbine	237	220.41
Solar Farm with Production Tax Credits (PTCs)	25	15.50
Solar Farm with Investment Tax Credits (ITCs)	25	15.50
Battery Storage (4-hr)	25	16.25
Wind Farm	25	3.75

- A mix of large/small capacity thermal, renewable, and storage resources are available within the model as potential expansion candidates.
- The model is allowed to build multiple units of the different expansion options to build up larger amounts of capacity if needed.

PF+ - Latest technology for performance and flexibility; DF – Duct Firing; RICE – Reciprocating Internal Combustion Engine

Existing Unit Retirements



Within the model, all existing fossil fuel-fired power plants are allowed to retire starting in 2028.



If economic conditions warrant retirement, the model will remove the existing unit and replace it with new generation assets.



The additional capital costs for the next 20 years that were developed in the Black & Veatch “Life Assessment Report” for the Nearman and Quindaro units have been added into the model inputs.

Capital Cost Assumptions

Capital Costs for New Generation



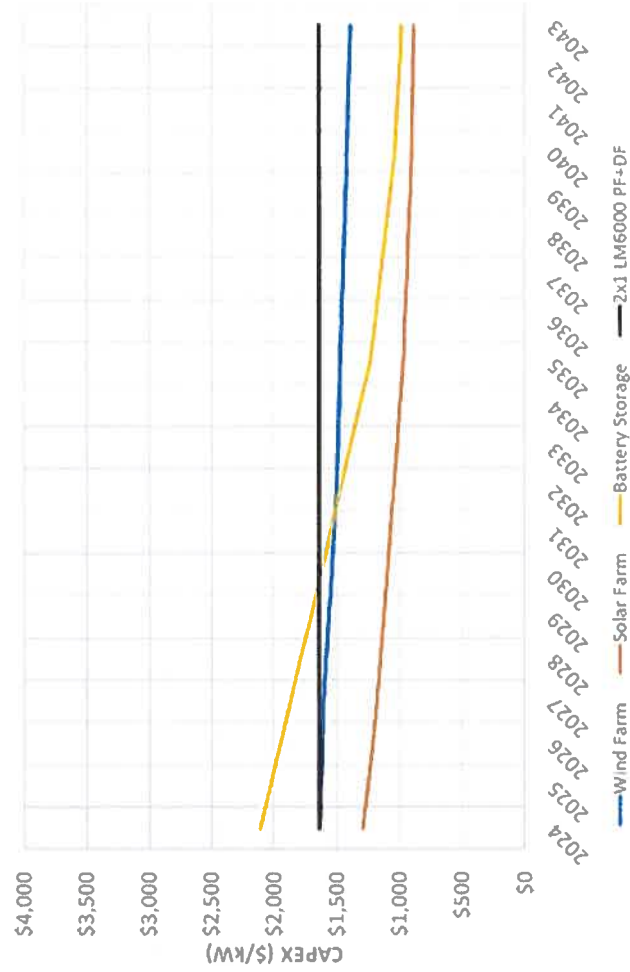
Black & Veatch assumes a long-term negative trend in capital costs for wind, solar, and storage technologies.



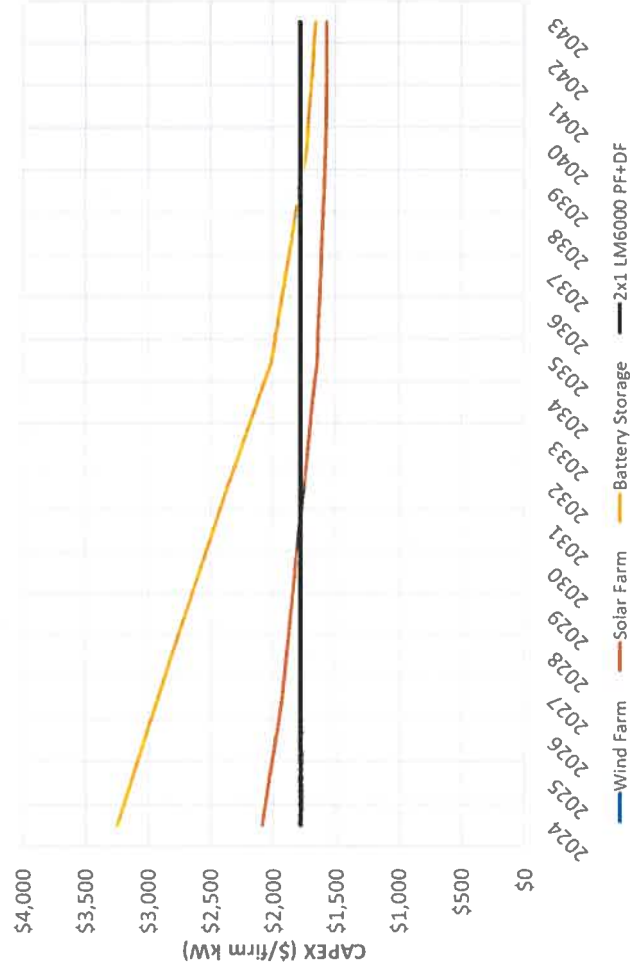
For modeling purposes, capital costs for thermal generation technologies are assumed to be constant in real dollar terms (2024\$) during the study period.

Capital Costs for New Wind/Solar/Storage

Wind / Solar / Storage CAPEX



Wind / Solar / Storage CAPEX
Adjusted for ELCC and Firm Capacity Factor



Capital Costs for New Thermal Generation

Resource Type	Max Capacity [MW]	Firm Capacity [MW]	Capital Cost [2024\$/kW]	Capital Cost [2024\$/kW] Adjusted for Firm Capacity
1x0 LM6000 PF+	54.8	50.96	2,049	2,228
1x1 LM6000 PF+ DF	93.3	86.77	1,753	1,905
2x1 LM6000 PF+ DF	189	175.77	1,643	1,786
3x1 LM6000 PF+ DF	284.1	264.21	1,540	1,674
Biomass	5	4.65	4,736	5,148
Percentage of New Combined Cycle Facility	50	46.50	1,205	1,310
1x0 RICE	18.17	16.90	1,740	1,891
Simple Cycle Combustion Turbine	237	220.41	942	1,024

PF+ - Latest technology for performance and flexibility; DF - Duct Firing; RICE - Reciprocating Internal Combustion Engine

Initial Base Case Results

Planning Scenarios

- The IRP will rely on ten scenarios to assess a variety of portfolio options and market drivers to understand the impact of those potential scenarios and associated portfolios have on the BPU system.
- Scenario 1 is considered the “Base Case” and assumes operations consistent with the status quo.
- This presentation focuses on the preliminary results of the Base Case.

Scenario 1
Base Case

Scenario 5
High Fuel Price
Sensitivity

Scenario 2
Co-Firing of Natural
Gas at Nearman
Creek 1

Scenario 3
Nearman Creek 1
Carbon Capture and
Storage

Scenario 4
Nearman Creek 1
NOx Controls

Scenario 6
Low Fuel Price
Sensitivity

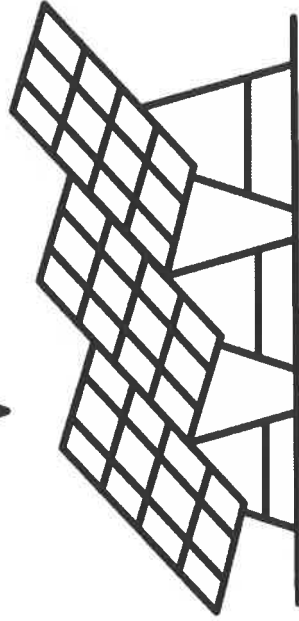
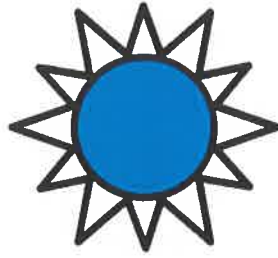
Scenario 7
High Load Growth
Sensitivity

Scenario 8
High Reserve
Requirement
Sensitivity

Scenario 9
Net Zero Target

Scenario 10
2028 Combustion
Turbines

Initial Base Case Results



As discussed previously, in the Base Case, the need for additional firm capacity is less than 10 MW until 2038.

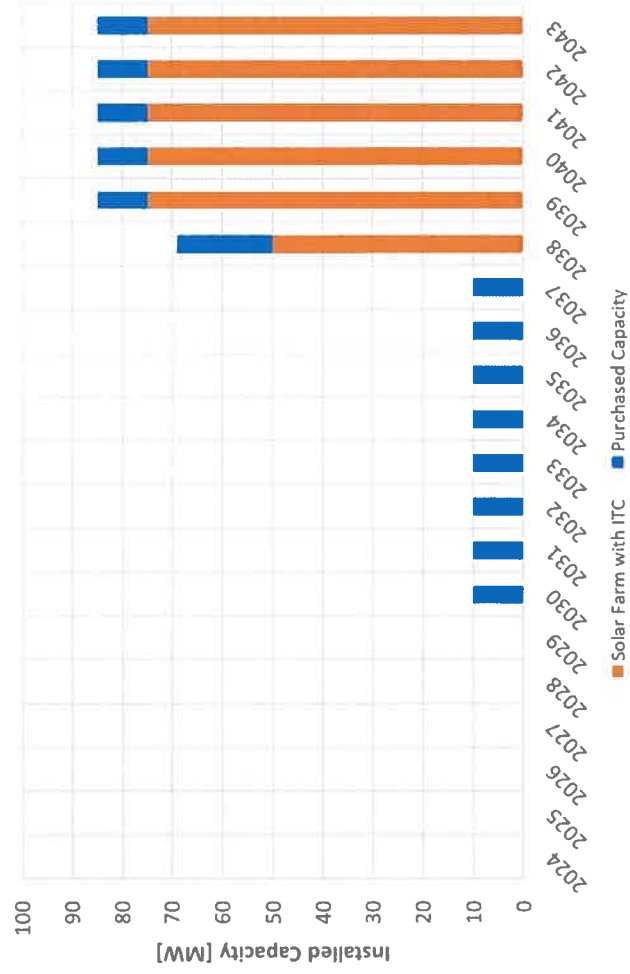
With limited firm capacity needs in the near- to medium-term, small amounts of purchased capacity is used to maintain the SPP-mandated 15% planning reserve margin, and results in no immediate investments in new generating facilities.

However, starting in 2038, the need for additional firm capacity exceeds the defined limits for purchased capacity and new generating facilities need to be added. Due to the small needs for firm capacity, the smaller capacity options are selected by the model.

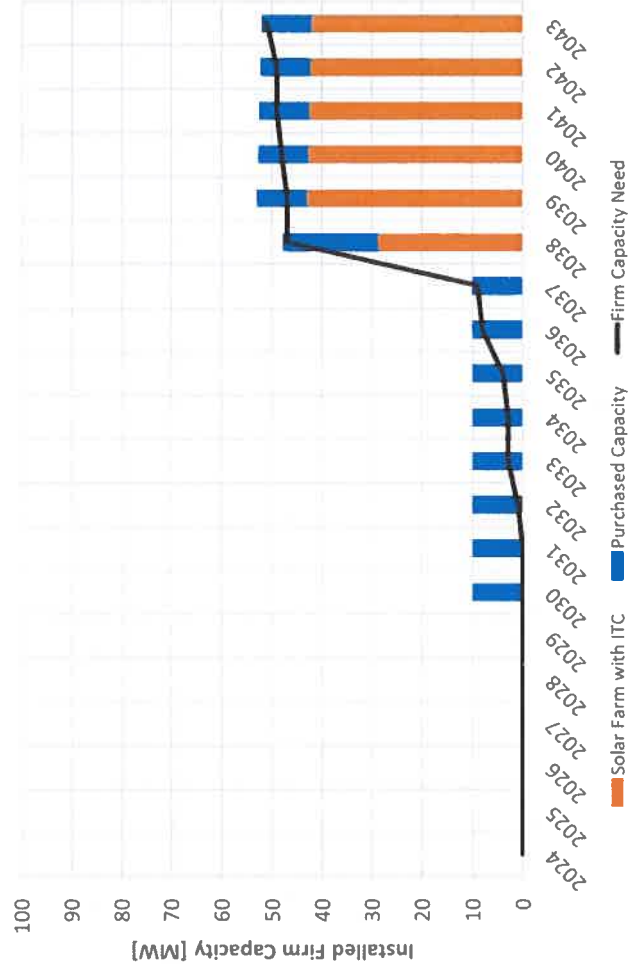
With the Base Case assumptions, no existing fossil fuel-fired power plants are recommended to be retired by the model during the 20-year planning period.

Initial Base Case Results

Base Case Expansion Results
Installed Capacity



Base Case Expansion Results
Firm Capacity



Project Schedule

IRP Project Schedule



Input Development

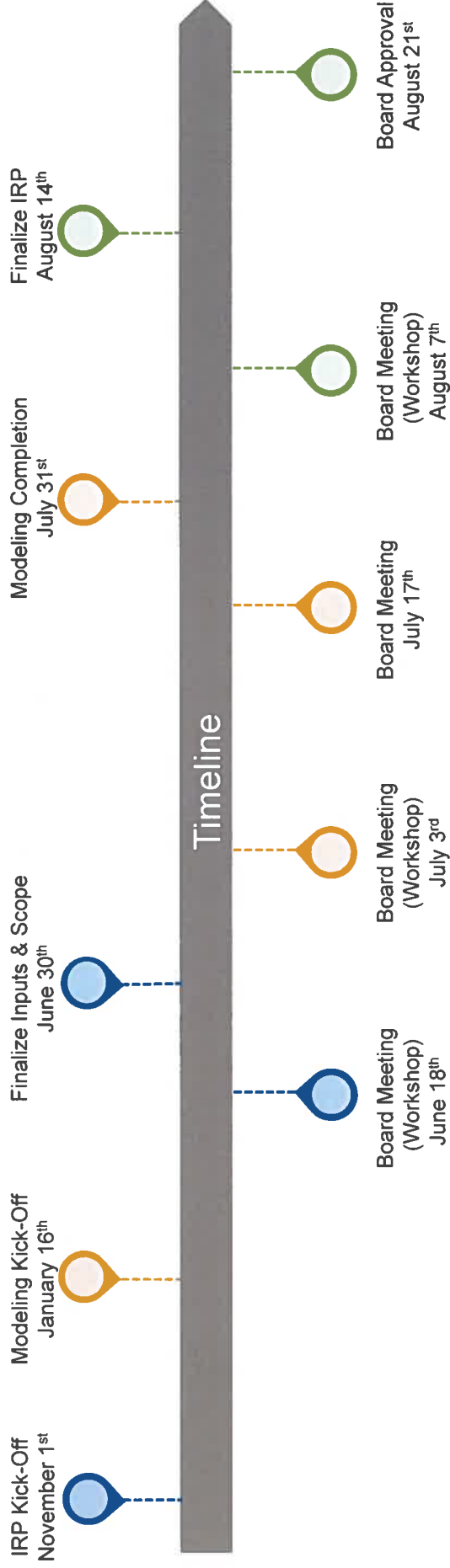
Develop inputs for load, reserve requirements, new and existing resources, and the broader market.

Modeling

Using PLEXOS and Excel-based models, complete capacity expansion, production cost, and total supply cost modeling.

Finalize IRP and Action Plan

Based on evaluation, determine near-term action plan, finalize report, and seek approval from the Board.



Board Meeting IRP Schedule

Board Meeting (Workshop) <i>June 18th</i>	Board Meeting (Workshop) <i>July 3rd</i>	Public Meeting (Regular session) <i>July 17th</i>	Board Meeting (Workshop) <i>August 7th</i>	Public Meeting (Regular session) <i>August 21st</i>
<p>Data Assumptions & Modeling Framework</p> <p>Presentation Contents:</p> <p>KC BPU Overview – Overview of KC BPU</p> <p>Long-Term Planning Objectives – overview of the various considerations in developing a long-term resource plan (e.g., cost, reliability, risk, sustainability, regulatory requirements, etc).</p> <p>Assessment of Resource Need – an overview of load and resources and the amount of additional capacity/energy needed to meet planning objectives.</p> <p>Analytical Framework – summary of how the evaluation will be completed (e.g., using capacity expansion, base case, overview of sensitivities)</p> <p>Supply Alternatives – summary of supply alternatives being considered to meet planning objectives.</p> <p>Assumptions – outline of main modeling assumptions</p> <p>Timeline – Key dates throughout the IRP process</p> <p>Public Comments - Written public comment period opens via email.</p>	<p>Status Update and Initial Results</p> <p>Presentation Contents:</p> <p>Status Update – Overview of where KC BPU is in the execution of the IRP.</p> <p>Results of Evaluation for Base Case and Scenarios – overview of results of base case analysis and/or any additional completed scenarios.</p> <p>Timeline and Next Steps – Provide overview of updated timeline and next steps.</p> <p>Public Comments - Written public comment period continues via email.</p>	<p>Follow-up discussion from previous Board Meetings</p> <p>Will provide 2-3 page general summary</p> <p>With public comment</p> <p>Public Comments - Report out on Public Comments that have been received.</p>	<p>Final IRP Overview</p> <p>Presentation Contents:</p> <p>Follow-up discussion from previous Board Meetings</p> <p>Final IRP Overview – Overview of results of IRP Analyses.</p> <p>KC BPU Reference Resource Plan – Provide overview of KC BPU’s resource plan resulting from the IRP evaluations.</p> <p>Action Plan – Describe the near term (1-3 years) action plan resulting from the IRP evaluation and the reference resource plan.</p> <p>Public Comments - Wrap up on public comments that have been received and discussion of adjustments made based on those comments.</p>	<p>Board Approval</p> <p>Any follow-up discussion from Board Meeting 3.</p> <p>Board approval of IRP and action plan</p>

REGULAR SESSION –WEDNESDAY, JULY 3, 2024

STATE OF KANSAS)
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CITY OF KANSAS CITY)

The Board of Public Utilities of Kansas City, Kansas (aka BPU, We, Us, Our) met in Regular Session on Wednesday, July 3, 2024 at 6:00 PM. The following Board Members were present: Thomas Groneman, President, David Haley, Vice President; Stevie A. Wakes Sr., Secretary; Mary Gonzales, Rose Mulvany Henry, and Brett Parker.

Also present: William Johnson, General Manager; Angela Lawson, Acting Chief Counsel; Jeremy Ash, Chief Operating Officer; Lori Austin, Chief Financial Officer; Abbey Frye, Chief Administrative Officer; Darrin McNew, Executive Director Electric Operations; Steve Green, Executive Director Water Operations; Andrew Ferris, Director Financial Planning; Douglas Bowen, Director Electric Production Operations/Maintenance; Patrice Townsend, Director Utility Services; Ingrid Setzler, Director Environmental Services; Dustin Miller, Director of Applications; Steve Hargis, Supervisor Water Operations; Gabriela Freeman, Supervisor Customer Services; Nicholas Moreno, Communications Coordinator; and Robert Kamp, IT Project Manager.

A video of this meeting is on file at the Board of Public Utilities and can be found on the BPU website, www.bpu.com.

Mr. Groneman called the Board meeting to order at 6:03 PM. He welcomed all that were listening to or viewing the meeting. He informed all that the meeting was being recorded including video and audio. During the visitor comments section, those who attended in person, wishing to speak, should use the sign-up sheet at the entry and provide their name and address. In addition, there would be a public comments section after the General Manager/Staff Reports. During this section, the public could comment on the items presented in the General Manager/Staff Reports section that evening. Both visitor and public comments were limited to three minutes and should be addressed to the Board. Members of the public who wished to speak to the Board using Zoom needed to use the raise hand feature at the bottom of the application or window to signal that they wish to address the board during the public comment section. Members of the public connected by phone only, needed to press *9 to indicate they wished to address the Board in the visitor and public comment sections. No confidential information should be shared, including, account information. Staff would not provide individual account information during an open meeting. As always, the public could also email or call the BPU with any concerns. He informed all participants to act respectfully to each other; personal attacks or accusations would not be tolerated. All concerns would be directed to the Board only, they would then determine staff involvement. If side discussion was necessary, it was to be conducted outside of the Board room to avoid interfering with presenters or other attendees. If any rules are breached during this meeting, the attendee was subject to removal.

REGULAR SESSION –WEDNESDAY, JULY 3, 2024

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Mr. Groneman introduced himself and the other Board members along with the General Manager, and Legal Counsel.

Roll call was taken and all Board members were present.

Item #3 – Approval of Agenda

A motion was made to approve the Agenda by Ms. Gonzales, seconded by Mr. Wakes, and unanimously carried.

Item #4– Approval of the Minutes of the Work Session of June 18, 2024:

A motion was made to approve the minutes of the Work Session of June 18, 2024, by Ms. Mulvany Henry, seconded by Mr. Wakes, and unanimously carried.

Item #5– Approval of the Minutes of the Regular Session of June 18, 2024:

A motion was made to approve the minutes of the Regular Session of June 18, 2024, by Ms. Parker, seconded by Mr. Wakes, and unanimously carried.

Item #6– Visitors Comments

There were no visitors wishing to speak.

Item #7– Legislative Update – Kimberly Svaty

Ms. Kimberly Svaty, Gencur Svaty Public Affairs, gave an update on various bills that were introduced through the Kansas Legislature in 2024. There were 3,416 bills introduced and of those, BPU was directly involved with 90. Some key topics included; net metering, parallel generation, the process for gaining a water certificate, and weatherization funding. The incentive package, offered to one or more area sports teams, would also be monitored closely over the next year.

Ms. Svaty responded to questions and comments from the Board.

Item #8– General Manager / Staff Reports

- i. *May 2024 Financials:* Ms. Lori Austin, Chief Financial Officer.

REGULAR SESSION –WEDNESDAY, JULY 3, 2024

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The Board discussed the option for creating a consent agenda and waiving the verbal May 2024 Financial presentation for this meeting.

A motion was made to waive the verbal presentation of the May 2024 Financials and adopt them, subject to any questions by the Board, by Ms. Mulvany Henry, seconded by Mr. Wakes.

Ms. Austin confirmed the presentation was published on BPU’s website. Roll call was taken:

Ms. Gonzales: Yes

Mr. Groneman: Yes

Mr. Haley: No

Mr. Wakes: Yes

Ms. Mulvany Henry: Yes

Mr. Parker: Yes

The motion carried.

- ii. *Electric Project Update:* Mr. Darrin McNew, Executive Director Electric Operations, gave the Board an update on his department’s capital projects, many of which are ongoing. He presented details about the pole inspection program and shared photos from the transmission line drone inspection. (See attached PowerPoint.)

Mr. McNew responded to questions and comments from the Board.

- iii. *Miscellaneous Comments:* Mr. Johnson told the Board that Ty Gorman would be meeting with BPU staff on July 10th to discuss various topics. He also gave an update on the General Manager (GM) search process and next steps.

Item #7– Public Comments on Agenda Items

Mr. Johnson asked if there were any visitors who wished to address the Board on the agenda items presented.

REGULAR SESSION –WEDNESDAY, JULY 3, 2024

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Mr. Ty Gorman, 2843 Parkwood Blvd., commented on the upcoming meeting with Mr. Johnson and BPU staff, the Integrated Resource Plan (IRP) planning process, and community outreach topics.

Ms. Alama Rosas-Hall, Kansas City, KS, expressed her thoughts on various matters.

Item #8– Board Comments

Ms. Mulvany Henry wished everyone a safe Independence Day.

Ms. Gonzales had no comments.

Mr. Parker had no comments.

Mr. Wakes thanked the presenters, spoke about his upcoming birthday, on July 10th, and said he looked forward to further discussion regarding the GM search.

Mr. Haley wished Mr. Wakes a Happy Birthday and thanked Ms. Svaty and staff for updates presented. He thanked Mr. Johnson and BPU staff for reliable services during weather events and wished everyone a Happy Fourth of July.

Mr. Groneman thanked Mr. and Ms. Svaty for the items presented and wished everyone a happy and safe Fourth of July.

Item 9 – Adjourn

At 7:30 PM a motion to adjourn was made by Mr. Wakes, seconded by Ms. Mulvany Henry, and unanimously carried.

ATTEST:

APPROVED:

Secretary

President



Kansas City Board of Public Utilities

Electric Operations
July 3, 2024



Capital Project Update

- New Development Projects
- 98th Street Pole Relocation
- Levee Project
- Pole Inspection & Replacement Program
- Transmission Line Inspection & Rebuild Projects
- Mill Street Substation
- Piper Overhead Feeder Project





New Development Projects

- Rock Island Bridge - Summer 2024
- Holiday Sand and Gravel - Late 2024
- Yards II Apartments - Spring 2025
- American Royal Campus - Spring 2025
- Homefields Development - Spring 2025
- Marvin - 2025





98th Street Pole Relocation

- KDOT / City of Edwardsville road improvement project between Kansas Ave and I-70
- Full road replacement, road widening, addition of sidewalks and traffic control
- Installed nearly 1.5 miles of new overhead distribution line and removed existing circuit
- Required crossings over I-435 and I-70/I-435 interchange



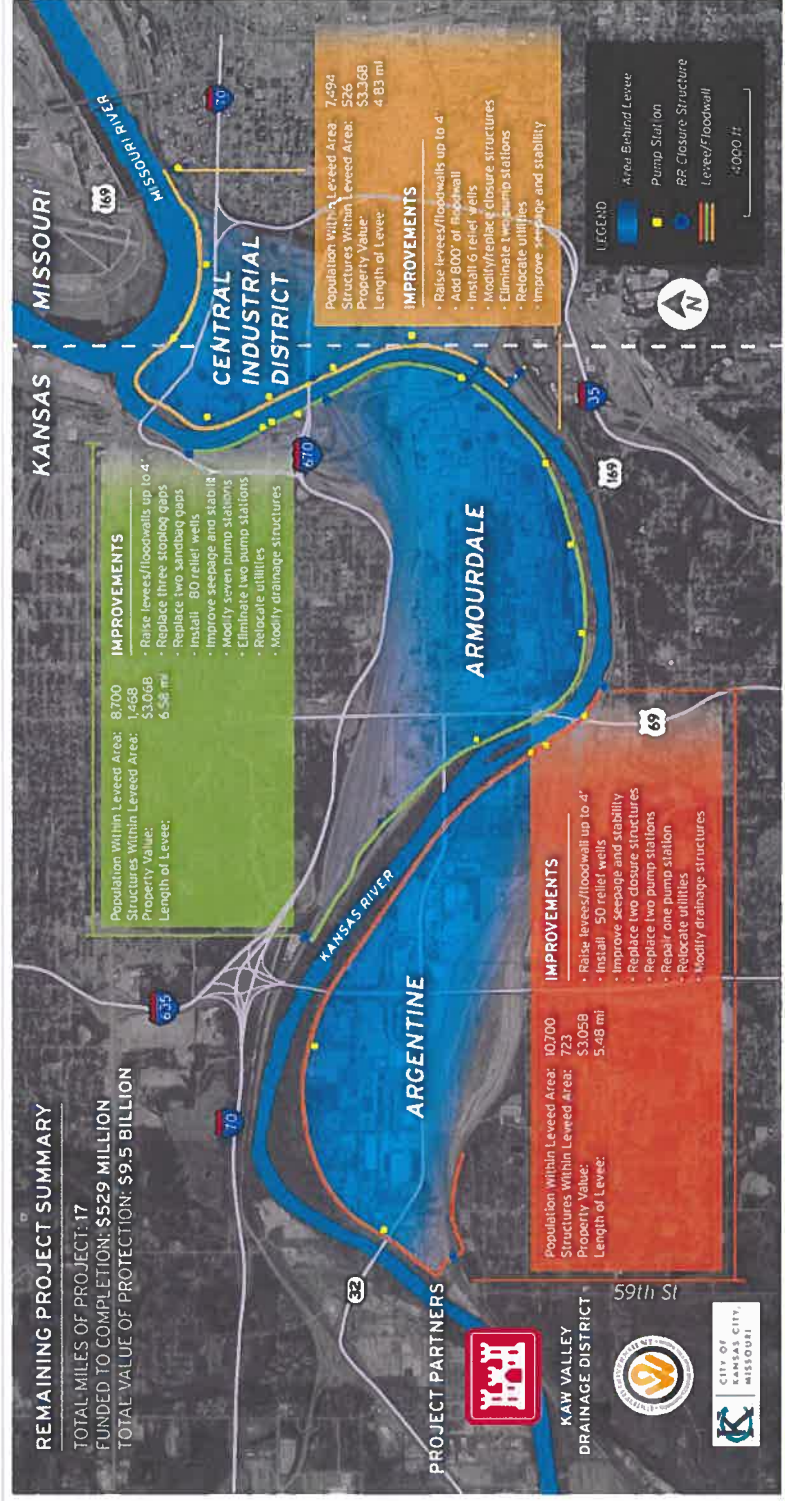


Levee Project

- USACE project to raise Levee and replace existing pump stations in Argentine, Armourdale, and Central Industrial District
- Relocation of BPU infrastructure in conflict with the project and new infrastructure for new pump stations
- Requires construction of three new river crossings
- Project is ongoing and work will continue into 2025



Levee Project





Pole Inspection Program

- Inspect all wood poles on the system
- 10 year inspection cycle, currently in fourth year
- Inspect overall pole condition and structural integrity
- Improve system reliability and public safety
- Extend the life of existing wood poles





Pole Inspection Program

- Total Number of Poles: 57,464
- Number of Poles Inspected: 18,918
- Number of Poles Replaced through May 2024: 154
- Total Poles Replaced: 1,274





Transmission Line Rebuild Projects

- Replace aging transmission infrastructure and increase the reliability of the 161kV and 69kV transmission systems
- Currently working on replacing 11 transmission poles along Speaker Road between S 55th Street and I-635
- 161kV tie line rebuild project in conjunction with project to install OPGW fiber optic on line
- Aerial drone inspections of transmission lines



Transmission Line Inspection

- Create field dashboard to track assets
- Drone inspection imagery is collected
- Asset information is relayed to field dashboard during inspection
- Comprehensive assessment is performed

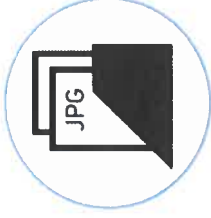
Actionable data and reports are delivered:



Excel Report



[Results](#)
[Dashboard](#)



Archived Image
Files



Esri File
Geodatabase



Summary Report





Transmission Line Inspection





Transmission Line Inspection



Transmission Line Inspection





Mill Street Substation

- Replace existing 69kV Mill Street Substation with new 161kV substation
- Retire 69kV Muncie Substation
- Project is being done in conjunction with customer facility expansion
- Civil and Physical Design - Burns & McDonnell
- Electrical Design - BPU
- Material Specification and Procurement - BPU
- Construction July through September 30th 2024





Piper OH Feeder Project

- Meet electric demand of new economic development in the area and add redundancy for existing loads
- Rebuild of existing circuits along 118th Street and construction of new overhead circuits from 118th Street & Parallel Pkwy back to Piper Substation
- BPU received a \$2,000,000 EDA grant to partially fund the project
- Phase 1 material delivery and construction start October 2024



Questions?



RESOLUTION NO: 5302

A RESOLUTION APPROVING ECONOMIC DEVELOPMENT ASSISTANCE TO THE Y LOFTS, 900 NORTH 8TH ST

WHEREAS, the Kansas City Board of Public Utilities an administrative agency of the Unified Government of Wyandotte County/Kansas City, Kansas ("KCBPU") has received a request for Economic Development Assistance from Y Lofts LP for a \$300,000 grant to assist with infrastructure development and renovations of the historic YMCA building at 900 North 8th Street; and

WHEREAS, the Board of KCBPU has reviewed said request for Economic Development assistance and staff recommendations; and

WHEREAS, the Board of KCBPU has determined that this project will help spur development, investment, job growth and housing in Kansas City, Kansas; and

WHEREAS, the Board of KCBPU has determined that \$100,000 is a more appropriate grant amount.

NOW, THEREFORE, BE IT RESOLVED AND ORDAINED BY THE GOVERNING BODY OF THE KCBPU:

The Y Lofts LP shall be awarded **\$100,000** for infrastructure development costs and renovations of the historic YMCA building at 900 North 8th Street with the following stipulations:

- 1) All requirements of Resolution 5107 shall be met.

ADOPTED BY THE GOVERNING BODY OF THE KCBPU THIS __ DAY OF JULY, 2024.

BOARD OF PUBLIC UTILITIES

By: _____
Thomas W. Groneman , Board President

Attest: _____
Stevie A. Wakes, Board Secretary

Approved as to form:

RESOLUTION NO: 5303

A RESOLUTION APPROVING ECONOMIC DEVELOPMENT ASSISTANCE TO THE COTTAGES AT VILLAGE WEST

WHEREAS, the Kansas City Board of Public Utilities an administrative agency of the Unified Government of Wyandotte County/Kansas City, Kansas ("KCBPU") has received a request for Economic Development Assistance from CPC Land Acquisition Company, LLC for \$350,000 grant to assist with electric infrastructure and development costs for the property in the construction of Cottages at Village West, a new 231 housing unit; and

WHEREAS, the Board of KCBPU has reviewed said request for Economic Development assistance and staff recommendations; and

WHEREAS, the Board of KCBPU has determined that this project will help spur development, investment, job growth and housing in Kansas City, Kansas; and

WHEREAS, the Board of KCBPU has determined that \$200,00 is a more appropriate grant amount.

NOW, THEREFORE, BE IT RESOLVED AND ORDAINED BY THE GOVERNING BODY OF THE KCBPU:

The CPC Land Acquisition Company, LLC shall be awarded **\$200,000** for electric infrastructure and development costs of The Cottages at Village West located at State Avenue and Delaware Parkway with the following stipulations:

- 1) All requirements of Resolution 5107 shall be met.

ADOPTED BY THE GOVERNING BODY OF THE KCBPU THIS __ DAY OF JULY, 2024.

BOARD OF PUBLIC UTILITIES

**By: _____
Thomas W. Groneman , Board President**

**Attest: _____
Stevie A. Wakes, Board Secretary**

Approved as to form:

TO: General Manager

FROM: Don Stahl
(Executive Director or C-Officer)

DATE: June 27, 2024

SUBJECT: Budget Transfers

DESCRIPTION AND REASON FOR TRANSFER

The CDS reactors structure/liner repair/replacement project was reduced from including both reactors to only A side reactor. Inspection found the B side reactor to have less damage than A side. Contract labor was limited during the scheduled outage as well as outage duration. The SCR catalyst project is a 2-year project and was changed from including 1 layer to requiring 2 layers based on the most recent catalyst testing. This increased the cost of purchasing the catalyst this year for next year's installation.

FROM	1	2	3
Project # Budget (Fusion)	104132		
Project Description	Reactors Structure/Liner Repair/Replacement		
Task Number**	600_CONST		
Task Project Description	Reactors Structure/Liner Repair/Replacement		
Operating Unit	Electric		
Department	1410		
Class (If operating expense)			
Project Amount Cost	250,000		

TO	1	2	3
Project # Budget (Fusion)	104020		
Project Description	N1 SCR Catalyst Layer		
Task Number**	600_CONST		
Task Project Description	N1 SCR Catalyst Layer		
Operating Unit	Electric		
Department	1410		
Class (If operating expense)			
Amount	250,000		

IF THE TRANSFER INVOLVES A PROJECT, THE PROJECT NUMBER MUST BE SPECIFIED ABOVE.

**THE TASK NUMBER SHOULD BE 600_CONST IF THE TASK NUMBER IS NOT KNOWN

GENERAL MANAGER APPROVAL

DATE

CC: Accounting

