

April 28, 2022 Combined Meeting of the AR Project Committee and the KYMEA Board of Directors

04/28/2022

Board Room at 10 am

1700 Eastpoint Pkwy Suite 220

Louisville, KY, 40223

This meeting will also be available as a WebEx video meeting (contact mhixon@kymea.org for attendee information).



Meeting Book - April 28, 2022 Combined Meeting of the AR Project Committee and the KYMEA Board of Directors

Agenda

A. Meeting Opening	_	
1. Attendance		Michelle Hixon
2. Call to Order		Josh Callihan
3. Guest Introductions		Josh Callihan
B. Previous Meeting Minutes of the KYMEA Board of Directors	Approval of Last Month's Meeting Minutes	Josh Callihan
C. Financial Reports	Approval of Last Month's Financial Report	Heather Overby
D. Committee Reports None Expected		
E. Administration Reports		
1. CEO		Doug Buresh
2. Market Report		Rob Leesman
3. Member Communications		Michelle Hixon
F. Discussion Topics		
Emergency Operations Procedures Approval will be requested at the June Board meeting		Rob Leesman and Michelle Hixon
2. Community Solar Action will be requested at the May Board meeting.		Doug Buresh and Gary Zheng
G. Action Items		-
1. Investments/Investment Policy	Approval of the Investment Policy as presented on March 24, 2022.	Heather Overby
H. AR Project Committee Meeting		
FY 2023 AR Project Rates Action will be requested at the June meeting.		Doug Buresh & Chris Melton
I. Public Comments This is an opportunity for members of the public to provide input to the KYMEA Board and is limited to 5 minutes per speaker.		Josh Callihan

J. Upcoming Meetings and Other Business

board room.

The next board meeting will be held on May 19th at 10 am in KYMEA's

Michelle Hixon

K. Closed Session
L. Actions Related to Matters Discussed in Closed Session

M. Adjournment

Charlie Musson Josh Callihan

Josh Callihan



Minutes for Meeting Book - March 24, 2022, Regular Meeting of the KYMEA Board of Directors

03/24/2022 | 10:00 AM

Board Room

Attendees (6)

Josh Callihan; Kevin Frizzell; Ron Herd; Kevin Howard; Chris Melton; Gary Zheng Additional attendees were Doug Buresh, Michelle Hixon, Rob Leesman, Molly Roesler, Heather Overby, Charlie Musson, Tim Lyons, Hance Price, Anna Marie Pavlik Rosen, Pat Pace, and David Denton.

Meeting Opening

Attendance: Michelle took attendance and noted that a quorum was present.

Call to Order: Chairman, Josh Callihan, called the meeting to order.

Guest Introductions: There were no guest introductions.

Previous Meeting Minutes of the KYMEA Board of Directors

ACTION: Motion to approve the February 24, 2022, Meeting minutes was made by Chris Melton and seconded by Kevin Howard. The motion passed.

Financial Reports

ACTION: Motion to approve the previous month's financial reports was made by Kevin Frizzell and seconded by Chris Melton. The motion passed.

Committee Reports

- Gary Zheng gave a report on what was presented at the BROC.
- Chris Melton gave a report on what was presented at the AR Rates Workshop.

Administration Reports

- CEO Report: Doug Buresh presented the CEO report regarding the Agency's past and upcoming activities.
- Market Report: Rob Leesman discussed the previous month's markets in relation to KYMEA.
- 3. Member Communications: Michelle Hixon updated the Board on upcoming events and member activities.

Discussion Topics and Action Items

The following Discussion topics were reviewed:

 Investments/Investment Policy: Heather Overby discussed the need for an Investment Policy and presented a draft as well as supplemental information regarding KRS 66.480. There is potential for Board approval at the next meeting.

No action was taken.

Public Comments

No comments were made.

Upcoming Meetings and Other Business

The next board meeting will be a Combined Meeting of the AR Project Committee and KYMEA Board of Directors and will be held on April 28, 2022, at 10 am in KYMEA's board room.

Closed Session

ACTION: Motion to enter into closed session was made by Chris Melton and seconded by Kevin Frizzell. The motion passed.

ACTION: Motion to return to open session was made by Chris Melton and seconded by Kevin Frizzell. The motion passed.

Actions Related to Matters Discussed in Closed Session

No actions were taken regarding the closed session.

Adjournment

ACTION: Motion to adjourn was made by Chris Melton and seconded by Kevin Frizzell. The motion passed.

Χ	X	
Chairperson	Secretary	





Financial Presentation

April 28, 2022

Heather Overby

Statement of Net Position – March 2022



CURRENT ASSETS	Mar 2022
Cash And Investments	\$18,926,253 (1)
Other Receivables	\$6,907,724 (2)
Interest Receivable	\$0
Prepayments And Other Current Assets	\$0
Total Current Assets	\$25,833,978

- Checking account cash
- 2) Billing to AR & Transmission service members and ancillary services

Statement of Net Position – March 2022



NON-CURRENT ASSETS

Less Accumulated Depreciation	(\$585,841)
Construction Work In Progress	\$0
General Plant	\$995,027
Meter Comm Equipment	\$330,672
Meters - Ar Project	\$22,169
Office Buildout	\$260,238
Fixed Asset Clearing Account	\$160,792
Investment In Sedc	\$2,426
Pledge Collateral	\$5,337,401

Total Assets \$32,356,860

DEFERRED OUTFLOWS OF RESOURCES

Deferred Outflows	\$0
Total Deferred Outflows	\$0
Total Assets & Deferred Outflows	\$32,356,860

3) Collateral represents \$2.4m at MISO, \$800k at PJM, and \$2.1m in hedge collateral.

(3)

Statement of Net Position – March 2022



LIABILITIES

Accounts Payable	\$14,043,811
Accrue Interest Payable	\$13,740
Total Current Liabilities	\$14,057,551
Accrue Employee Benefits	\$172,449
Deferred Lease Liability	\$34,879
Line Of Credit	\$0
Total Non-Current Liabilities	\$207,328
	444.004.070
Total Liabilities	\$14,264,879
DEFERRED INFLOWS OF RESOUR	RCES
	RCES \$0
DEFERRED INFLOWS OF RESOUR	
DEFERRED INFLOWS OF RESOUR Deferred Inflows	RCES \$0
DEFERRED INFLOWS OF RESOUR Deferred Inflows Total Deferred Inflows	\$0 \$0
DEFERRED INFLOWS OF RESOUR Deferred Inflows Total Deferred Inflows Total Liabilities & Deferred Inflows	\$0 \$0
DEFERRED INFLOWS OF RESOUR Deferred Inflows Total Deferred Inflows Total Liabilities & Deferred Inflows NET POSITION	\$0 \$0 \$14,264,879

4) AP represents purchased power

(4)

(5) (6)

(7)

- 5) Deferred Lease
 Liability represents the
 difference in average
 monthly rent for term
 of office lease and
 actual lease payments
- 6) Line of Credit paid off in August 2019
- 7) Positive net position LTD

Total Net Position

\$18,091,981

Statement Revenue, Expenses, and Changes in Net Position – March 2022



OPERATING REVENUE	Mar 2022	YTD FY2022	
Sales To Members	\$5,516,128	\$57,039,518	(8)
Rto Market Revenue	\$2,977,601	\$21,365,563	(9)
Transmission Services	\$135,320	\$954,105	(10
Miscellaneous Revenue	\$10,000	\$18,000	
Total Operating Revenue	\$8,639,049	\$79,377,186	
OPERATING EXPENSES			
Transmission	\$947,828	\$9,536,759	(11)
Production	\$7,327,011	\$63,715,164	-
Administrative And General	\$201,635	\$2,133,177	
Depreciation Expense	\$15,773	\$141,957	
Total Purchase Power and Operating Expenses	\$8,492,247	\$75,527,057	
Operating Income	\$146,802	3,850,129	
NON-OPERATING REVENUE			
Interest Expense On Debt	(\$4,844)	(\$40,865)	
Interest Income	\$2,247	\$2,481	
Other Non-Operating Income (Expense)	(\$6,310)	(\$41,469)	
Regulatory Credit/Debit - Cost To Be Recovered	\$0	\$0	
Total Non-Operating Revenues (Expenses)	(\$8,907)	(\$79,853)	
NET POSITION CHANGES			
Change in Net Position	\$137,895	\$3,770,276	(13)
Net Position at Beginning of Period	\$17,954,086	\$14,321,705	
Net Position at End of Period	\$18,091,981	\$18,091,981	

- 8) Sales to AR Members
- 9) RTO Auction Revenue Rights and <u>KYMEA Off-</u> System Power Sales
- 10) Sales of transmission and ancillary services
- 11) Transmission from MISO, PJM, and KU net of depancaking credit
- 12) All purchased power including PPA, ITO, and SEPA
- 13) Positive MTD Net Income/ Positive YTD Net Income

Indirect Statement of Cash Flows – March 2022



CASH FROM OPERATING ACTIVITIES	Mar 2022	YTD FY2022
Net Income	\$137,895	\$3,770,276
Depreciation Monthly	\$15,773	\$141,957
Accounts Receivable	\$903,197	\$733,339
Prepayments & Other Current Assets	\$0	
Accounts Payable	(\$756,755)	\$2,057,051
Taxes & Interest Accrued	\$6,143	\$5,590
Other Current Liabilities	\$983	\$9,626
Deferred Lease Liability	(\$263)	(\$2,363)
Deferred Inflows Monthly	\$0	\$0
Net Cash Provided by (Used in) Operations	\$306,973	\$6,715,477
CASH PROVIDED BY (USED IN) INVESTI	NG ACTIVITIES	S
Additions to Plant Monthly	(\$9,378)	(\$73,097)
Net Change in Other Prop & Invest	(\$1,074,505)	(\$2,149,032)
Net Cash Provided by (Used in) Investing	(\$1,083,883)	(\$2,222,129)
	•	,
CASH PROVIDED BY (USED IN) FINANCI	NG ACTIVITIE	S
CASH PROVIDED BY (USED IN) FINANCI Long Term Borrowings	NG ACTIVITIE	S \$0
Long Term Borrowings		
	\$0 \$0	\$0 \$0
Long Term Borrowings Net Cash Provided By (Used in) Financing	\$0 \$0	\$0 \$0
Long Term Borrowings Net Cash Provided By (Used in) Financing NET INCREASE (DECREASE) IN CASH &	\$0 \$0	\$0 \$0
Long Term Borrowings Net Cash Provided By (Used in) Financing NET INCREASE (DECREASE) IN CASH & Net Increase (Decrease) in Cash & Temp Investm Cash & Temp Investment Beginning of Period	\$0 \$0 TEMP INVEST (\$776,910)	\$0 \$0 FMENTS \$4,493,348
Long Term Borrowings Net Cash Provided By (Used in) Financing NET INCREASE (DECREASE) IN CASH & Net Increase (Decrease) in Cash & Temp Investm	\$0 \$0 TEMP INVEST (\$776,910) \$19,703,163 \$18,926,253	\$0 \$0 FMENTS \$4,493,348 \$14,432,906
Long Term Borrowings Net Cash Provided By (Used in) Financing NET INCREASE (DECREASE) IN CASH & Net Increase (Decrease) in Cash & Temp Investm Cash & Temp Investment Beginning of Period Cash & Investments End of Period	\$0 \$0 TEMP INVEST (\$776,910) \$19,703,163 \$18,926,253	\$0 \$0 FMENTS \$4,493,348 \$14,432,906 \$18,926,253

- 14) Net Income
- 15) Timing of Accounts
 Receivable and
 Accounts Payable
 have largest monthly
 effect of operational
 items on cash
- 16) Cash balance in checking account







FY2022 Actuals Through March 2022 + Budget

Days Cash on Hand

72.31 ▼

Leverage

6.78 ▼

Coverage of Full Obligations

1.07 ▲

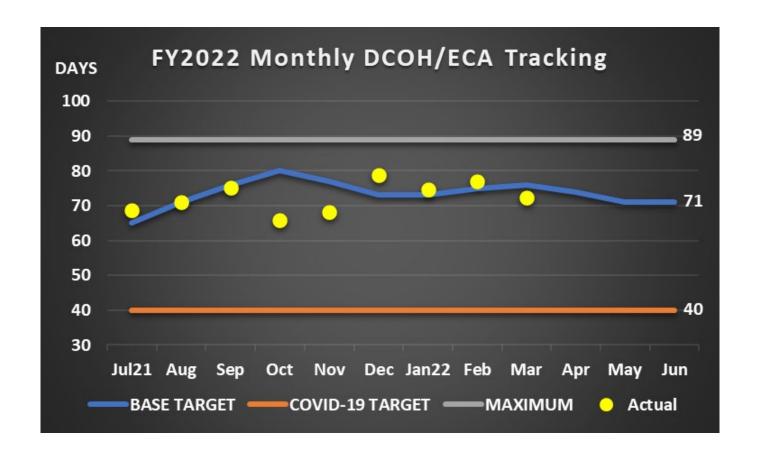
Debt Service Coverage

1.08 ▲



















Statement of Net Position

FY2022 Actuals as of March 2022

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Total Liabilities \$14,264,879

\$0

\$0

\$11,571,524

\$18,091,981

DEFERRED INFLOWS OF RESOURCES

Deferred Inflows

Total Deferred Inflows

Unrestricted

Total Net Position

Total Liabilities & Deferred Inflows NET POSITION	\$14,264,879
Invested in Capital Assets, Net of Related De	\$1,183,056
Restricted	\$5,337,401

Statement of Revenue, Expenses, and osition Changes in Net Position

FY2022 Actuals as of March 2022

OPERATING EXPENSES

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NET INCREASE (DECREASE) IN CASH & TEMP INVESTMENTS						
Net Increase (Decrease) in Cash & Temp Investm (\$776,910) \$4,493,3						
Net increase (becrease) in cash & reinp investin	. ,					
Cash & Temp Investment Beginning of Period	\$19,703,163	\$14,432,906				

Month Ending 3/31/2022 11:59:59 PM



KENTUCKY MUNICIPAL ENERGY AGENCY

March 2022 Bank Reconciliation

PNC Statement Balance 3/01/2022:	\$ 19,706,828.60
PNC Statement Balance 3/31/2022:	\$ 18,926,659.61
Outstanding Checks (-):	\$ (512.00)
Adjusted Bank Balance:	\$ 18,926,147.61
Meridian Book Balance 03/31/2022:	\$ 18,926,253.45
	(407.04)
Lumen # 284509685 (03/30/2022)	\$ (105.84)
Adjusted Book Balance:	\$ 18,926,147.61
Adjusted Bank Balance:	\$ 18,926,147.61
•	• •
Adjusted Book Balance:	\$ 18,926,147.61
Difference:	\$ -





KYMEA President & CEO Report

Doug Buresh

April 28, 2022

AGENDA



- Major Projects
- MISO 2022/2023 Planning Resource Auction (PRA)

MISO Dynamic Schedule



Project involvement and coordination across number organizations (KYMEA, MISO, OATI, BREC, LG&E/KU, P&D Engineering, Schneider Electric, and LightChange).

Current Status

- Creating logic for: Communication issues, potential sources, displaying past, present, and future values
- PME Screen Development
- Cloning (redundancy system)
- Testing Environment
- Final Coordination: LG&E/KU, MISO, BREC

Targeting functionality by mid-Summer

Accounting Software



Migration to Meridian software 95% complete.

Punch List

- Compiling approximately 20 enhancement requests for software provider
- Correcting software set-up issues
- Design and correct Tableau reporting for new software

www.KYMEA.org

Annual Members Conference



Preparing for conference.

<u>Tasks</u>

- Speakers
- Event Coordination
- Printed Materials
- Program Guide
- Power Point Design

AGENDA



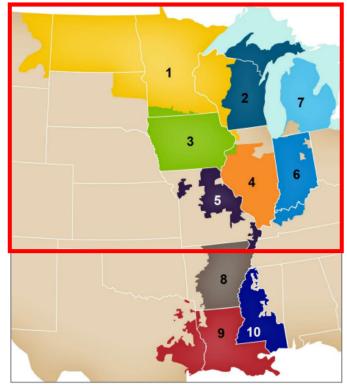
- Major Projects
- MISO 2022/2023 Planning Resource Auction (PRA)

MISO 2022/2023 PRA Results



Clearing prices from MISO's 2022-2023 PRA reflect capacity shortfalls in four zones, exposing nearly 8 GW in MISO North/Central to the Cost of New Entry Equivalent to \$7.20/kW-MO

Zone	Local Balancing Authorities	Price \$/MW-Day
1	DPC, GRE, MDU, MP, NSP, OTP, SMP	\$236.66
2	ALTE, MGE, UPPC, WEC, WPS, MIUP	\$236.66
3	ALTW, MEC, MPW	\$236.66
4	AMIL, CWLP, SIPC, GLH	\$236.66
5	AMMO, CWLD	\$236.66
6	BREC, CIN, HE, IPL, NIPS, SIGE	\$236.66
7	CONS, DECO	\$236.66
8	EAI	\$2.88
9	CLEC, EES, LAFA, LAGN, LEPA	\$2.88
10	EMBA, SME	\$2.88
ERZ	KCPL, OPPD, WAUE (SPP), PJM, OVEC, LGEE, AECI, SPA, TVA	\$133.70- 236.66

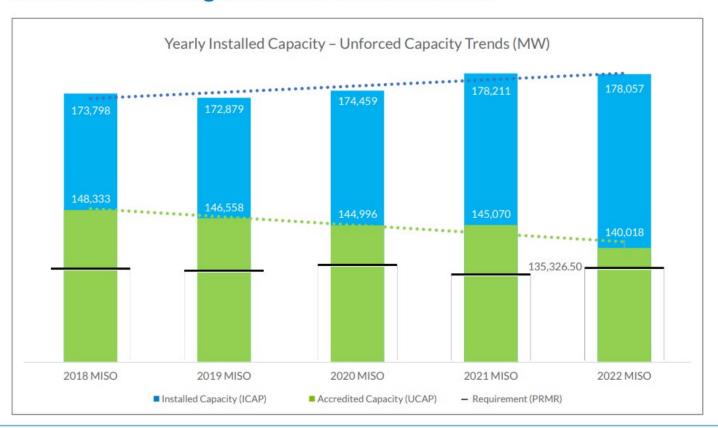




MISO PRA Results Drivers



Although installed capacity has increased in the last five years, accredited capacity has decreased due to thermal retirements and the increasing transition to renewables





MISO Reliability Impact



Unless more capacity is built that can supply reliable generation, shortfalls such as those highlighted in this year's auction will continue

Reliability Impact of the 2022-23 PRA Results:

- The overall stability and reliability of the system will not be compromised, as MISO will continue to implement any actions that may be necessary to prevent uncontrolled, cascading outage
- Zones 1-7 have an increased risk of needing to implement temporary, controlled load sheds

Overall, the results of this year's PRA reflect the challenges we are addressing through the Reliability Imperative, but additional areas of focus may be needed







March 2022 Market Report

Rob Leesman

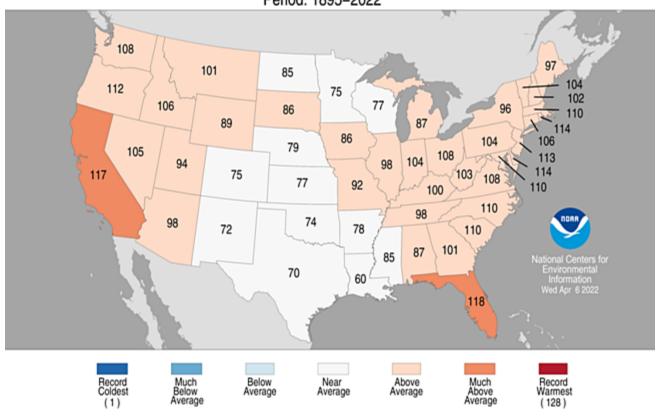
April 28, 2022

https://www.ncdc.noaa.gov/temp-and-precip/us-maps/



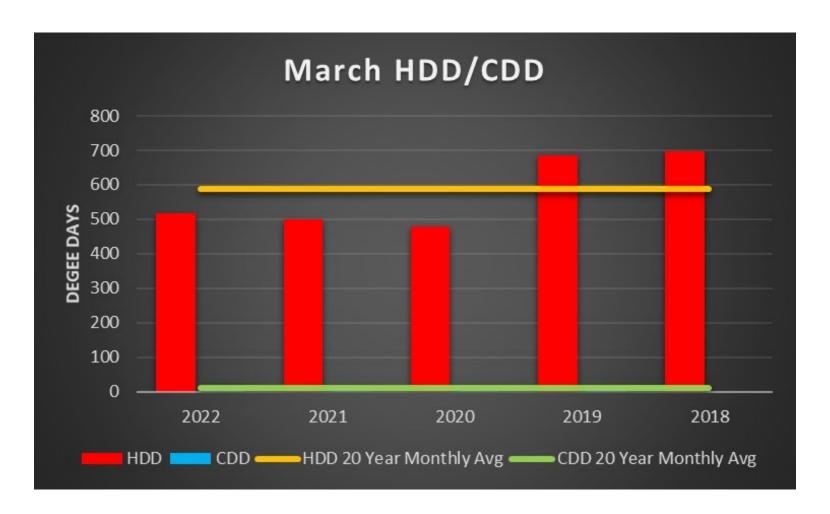
Statewide Average Temperature Ranks

March 2022 Period: 1895–2022



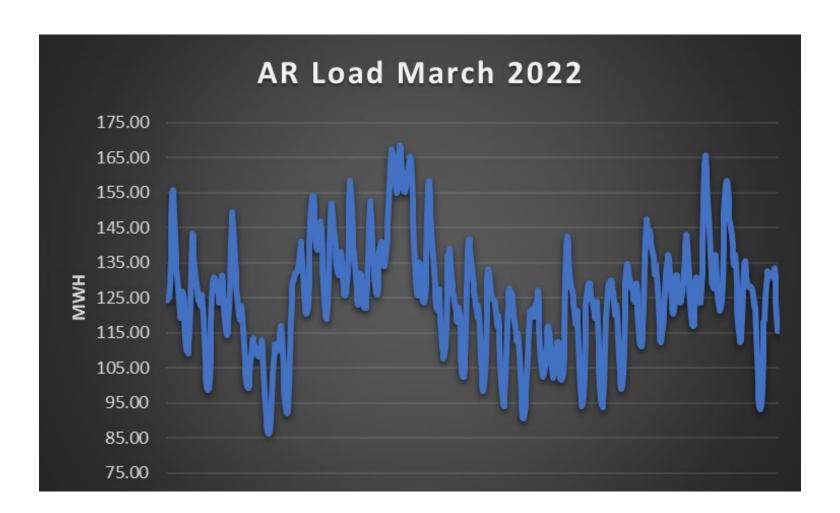
Degree Days





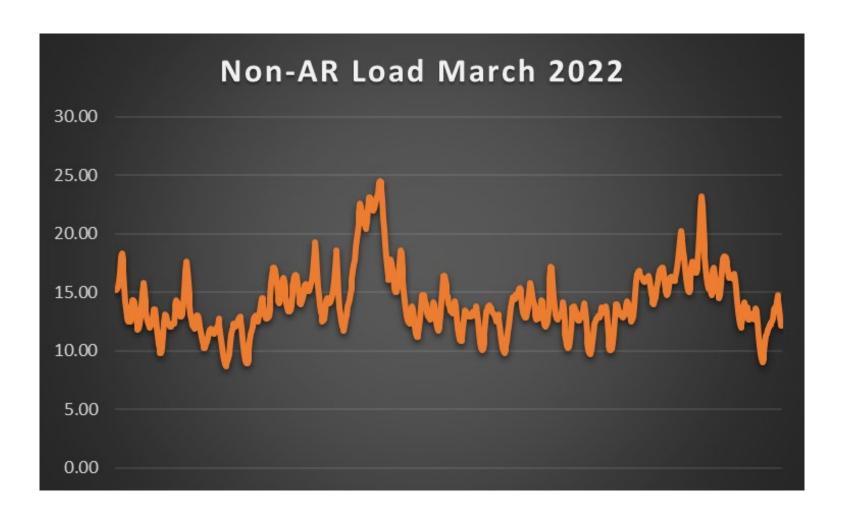
AR Load March 2022





Non-AR Load March 2022





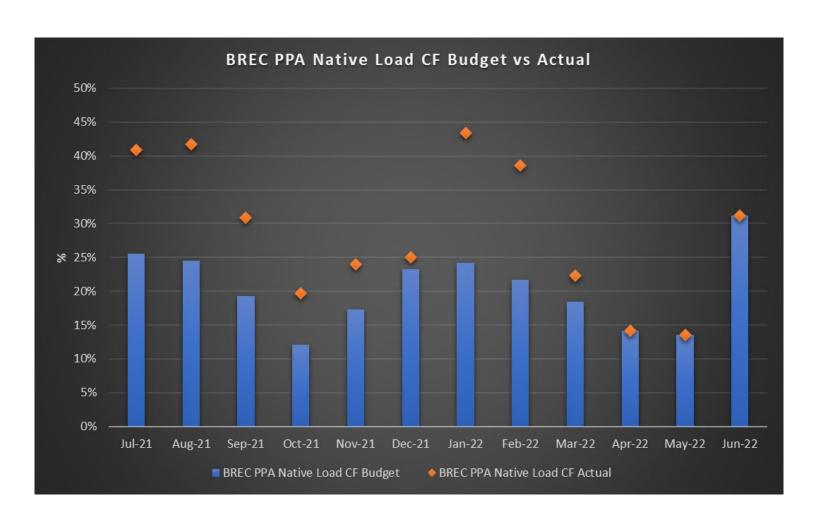
March 2022 Snapshot



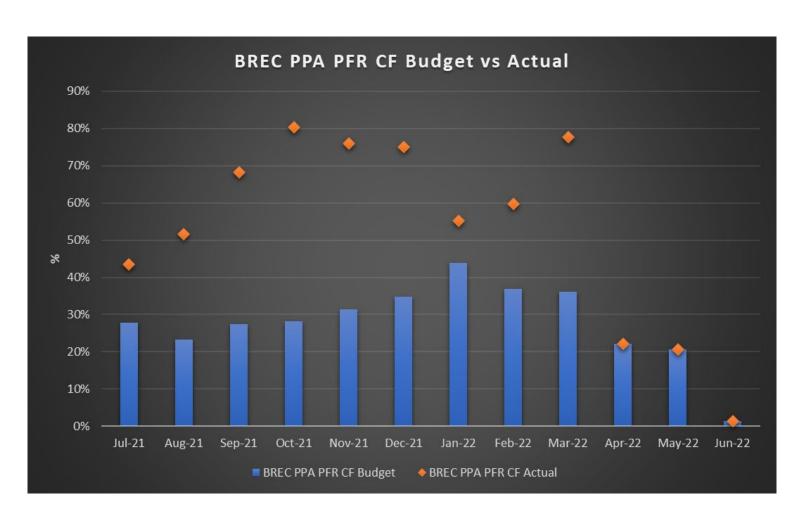
Mar-22							
	Dudget	Actual	Actual	Dudget	Actual	Actual	
	Budget Energy	Actual Energy	Actual vs. Budget	Budget NCP	Actual NCP	vs. Budget	
Member	(MWh)	(MWh)	Energy	(MW)	(MW)	NCP	Timestamp (HE EST)
Barbourville	6,884	6,768	98%	15.39	15.70	102%	3/13/2022 8:00 AM
Bardwell	632	605	96%	1.23	1.22	99%	3/11/2022 9:00 PM
Benham	615	550	89%	1.94	2.25	116%	3/13/2022 7:00 AM
Berea	10,492	9,998	95%	23.32	22.36	96%	3/13/2022 9:00 AM
Corbin	6,280	6,166	98%	13.05	12.60	97%	3/14/2022 8:00 AM
Falmouth	1,433	1,349	94%	2.67	2.58	97%	3/12/2022 11:00 AM
Frankfort	51,636	51,601	100%	99.47	94.82	95%	3/28/2022 8:00 AM
Madisonville	21,766	19,798	91%	36.86	33.33	90%	3/12/2022 1:00 PM
Owensboro	54,257	59,964	111%	98.00	97.00	99%	
Paris	4,944	4,657	94%	10.92	10.49	96%	3/13/2022 9:00 AM
Providence	1,981	2,164	109%	3.93	4.29	109%	3/11/2022 8:00 PM
AR	95,556	93,108	97%	183.52	175.04	95%	
Non-AR	11,107	10,547	95%	25.26	24.61	97%	
All	106,663	103,655	97%	208.78	199.65	96%	
Total	160,920	163,619	102%	306.78	296.65	97%	

BREC PPA Load Capacity Factor FY 22



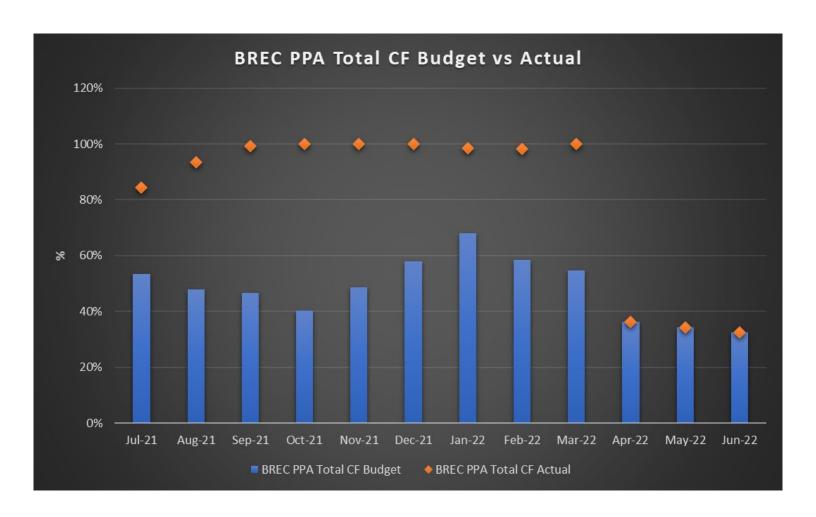


BREC PPA PFR Capacity Factor FY 22 KY DEA



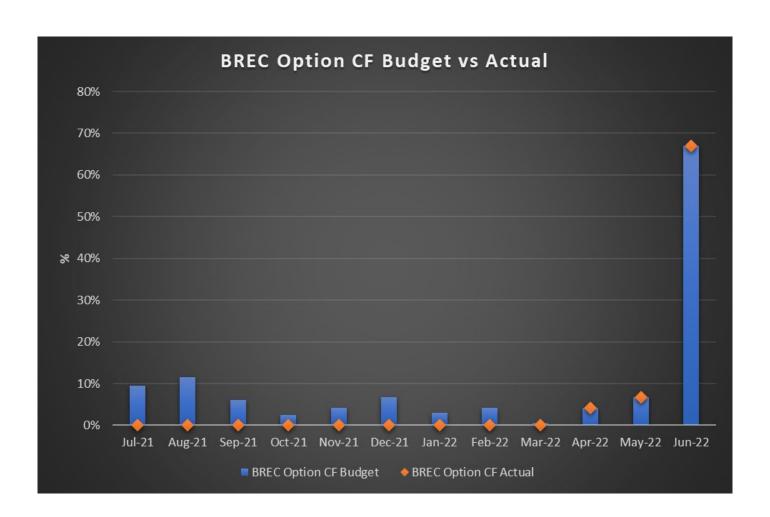
BREC PPA Capacity Factor FY 22





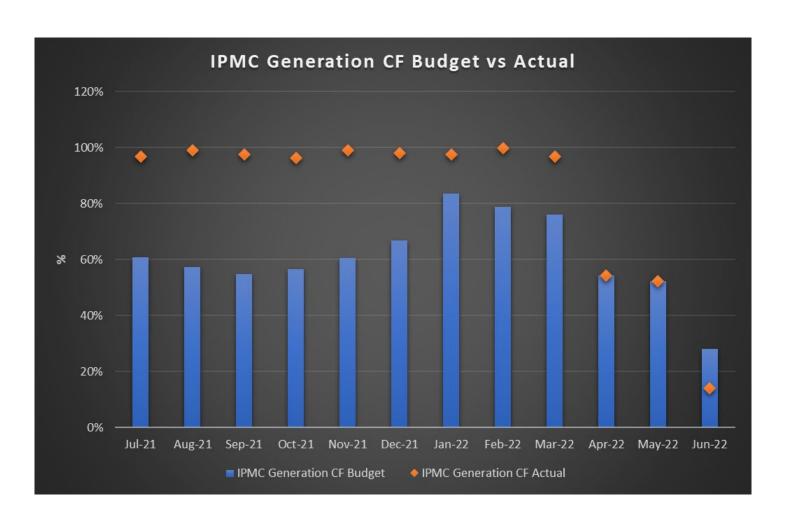
BREC Option Capacity Factor FY 22





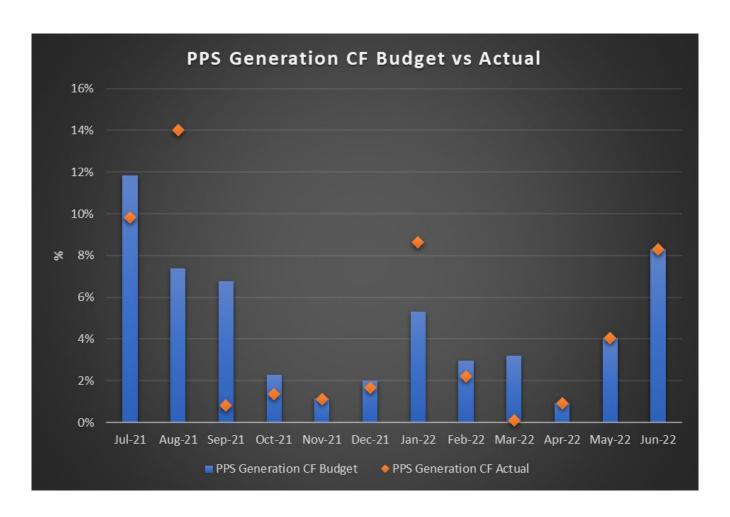
EEI/LGEE Capacity Factor FY 22





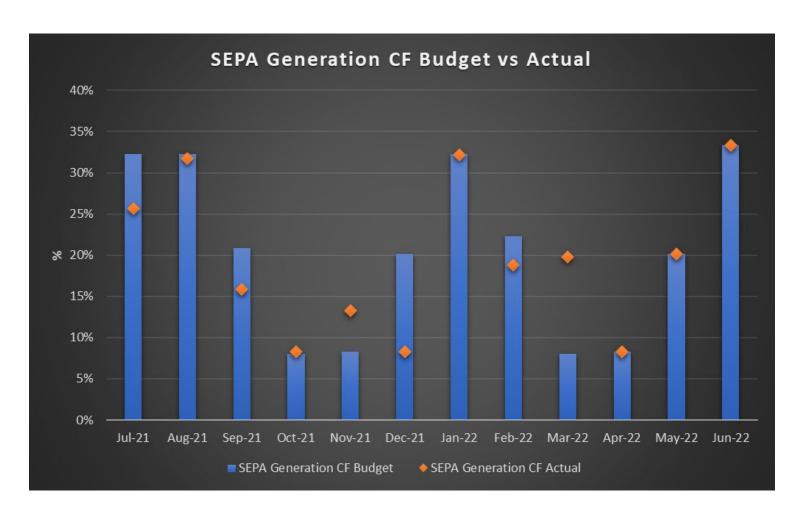
PPS PPA Capacity Factor FY 22





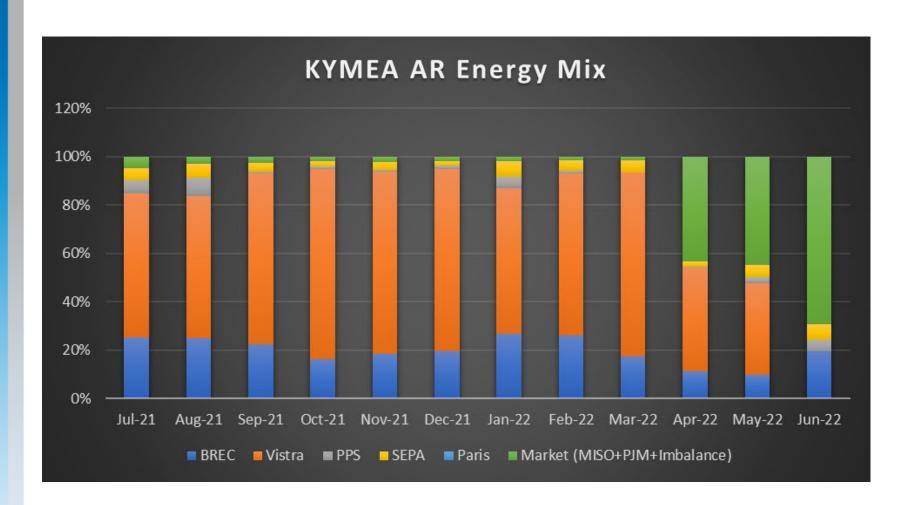
SEPA Capacity Factor FY 22





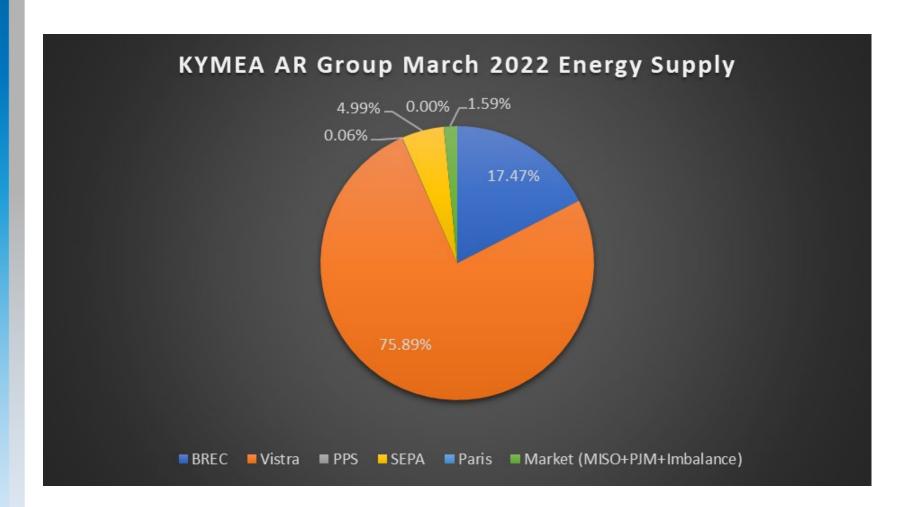
KYMEA AR Energy Mix FY 22





KYMEA AR Energy Mix

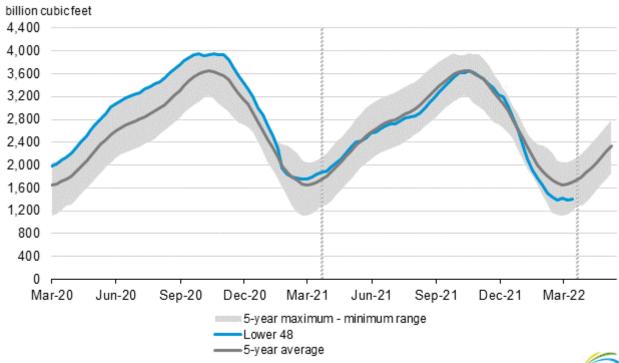




Working Gas in Storage



Working gas in underground storage compared with the 5-year maximum and minimum



www.KYMEA.org

Source: U.S. Energy Information Administration

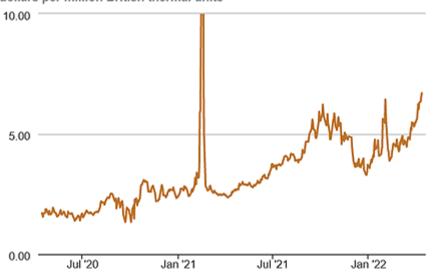


Natural Gas Spot Prices



Natural gas spot prices (Henry Hub)





Source: Graph by the U.S. Energy Information Administration (EIA), based on data from Natural Gas Intelligence



Note: Henry Hub prices reported for February 16 and 17, 2021, exceeded the published range, averaging \$16.96/MMBtu and \$23.61/MMBtu, respectively.

Total Rig Count



Rigs

		Change from	
	Tue, April 05, 2022	last week	last year
Oil rigs	546	2.4%	62.0%
Natural gas rigs	141	2.2%	51.6%

Note: Excludes any miscellaneous rigs

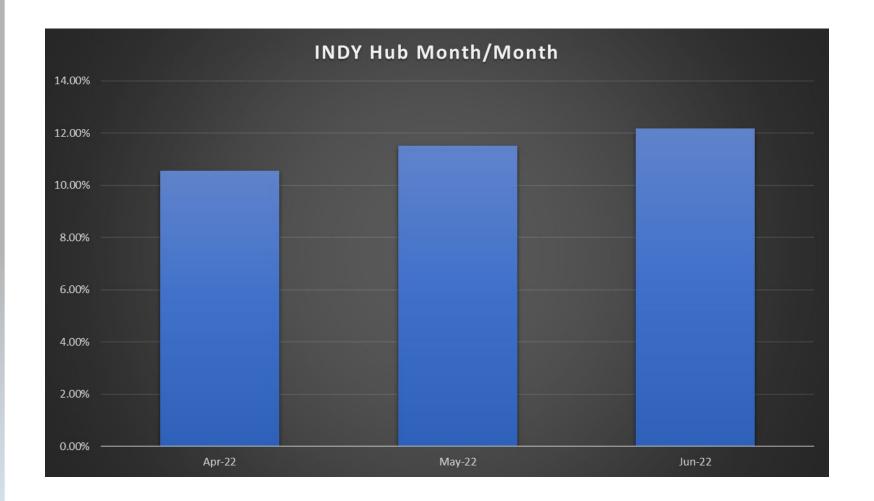
Rig numbers by type

		Change from	
	Tue, April 05, 2022	last week	last year
Vertical	26	4.0%	30.0%
Horizontal	631	2.9%	60.2%
Directional	32	-8.6%	77.8%

Source: Chart by the U.S. Energy Information Administration (EIA), based on data from Baker Hughes Company

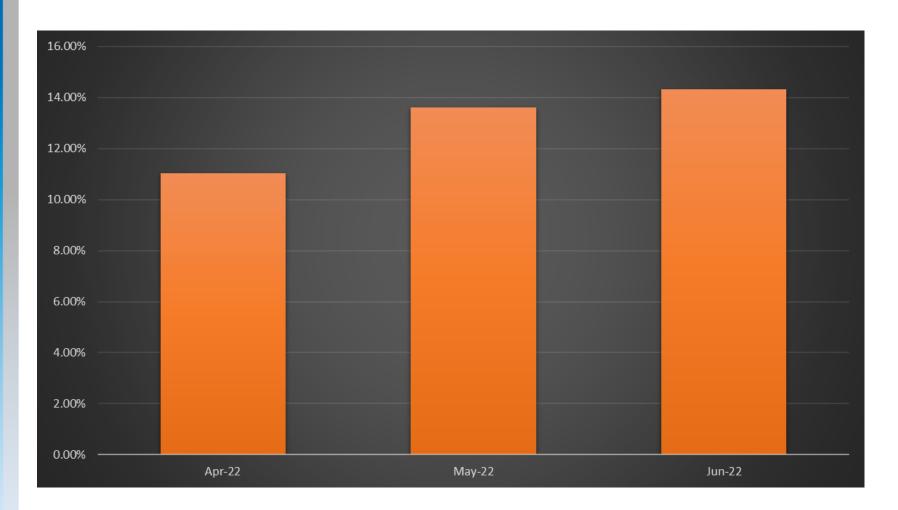
Indiana Hub ATC





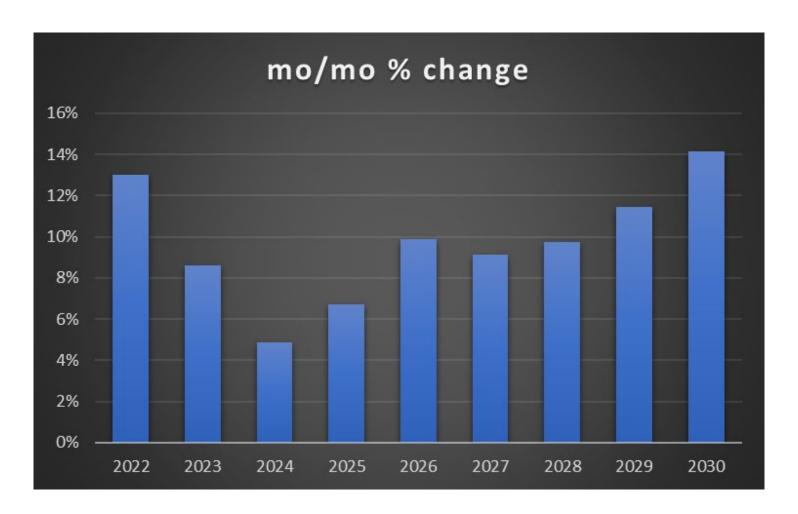
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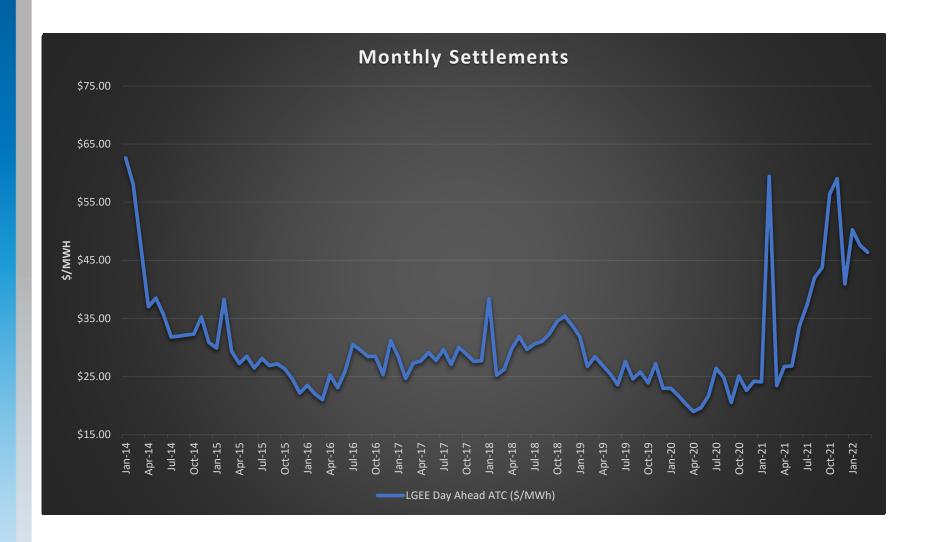
Tetco ELA





Historical Pricing





www.KYMEA.org

January 2023 NG







KENTUCKY MUNICIPAL ENERGY AGENCY



Member Communications

Michelle Hixon

April 28, 2022

Dates to Remember



May			
19 th at 10 AM	Regular Meeting of the KYMEA Board of Directors & Strategic Retreat		
June			
17 th at 10 AM	BROC Meeting		
23 rd at 10 AM	Combined Meeting of the AR Project and KYMEA Board of Directors		

American Public Power Association RP₃ Awards



Recognizes public power utilities that demonstrate proficiency in four key disciplines: reliability, safety, workforce development and system improvement.



Congratulations!

Berea Municipal Utilities & Frankfort Plant Board

American Public Power Association Safety Awards



The American Public Power Association's safety awards recognize utilities with the lowest safety incidence rate within their groups. Groups are determined by worker-hours of exposure.



Congratulations!

of

Madisonville Electric Department
Safety Award of Excellence, First Place, Group C (30,000 to 59,999 worker-hours of exposure)

&

Frankfort Plant Board
Safety Award of Excellence, Honorable Mention, Group E (110,000 to 249,999 worker-hours of exposure)

4/21/2022

www.KYMEA.org

KYMEA Annual Members Conference





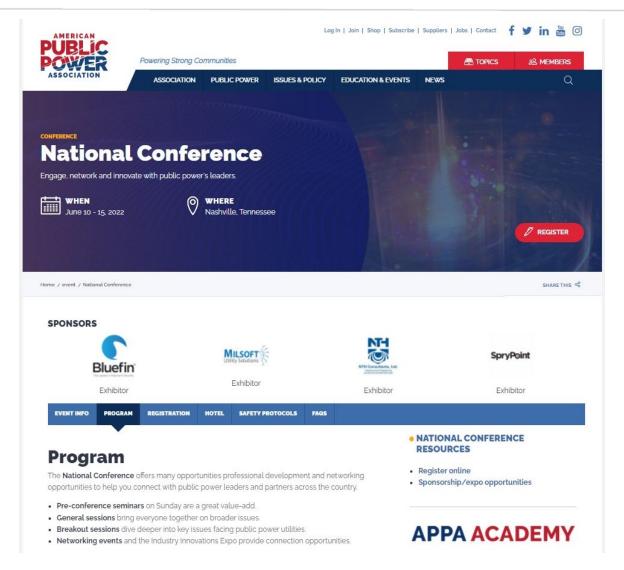
Hear from public power professionals on key topics that affect your community.

- Take a look at market trends, risk assessment, and hedge strategies.
- Hear from rating agencies on public power financial topics.
- Understand how utilities can help attract economic development.
- Hear from supply chain management experts on challenges and solutions in today's industry.

Register now and reserve your hotel room.

APPA National Conference in Nashville





Send an email to mhixon@kymea.org if you would like to attend.



KENTUCKY MUNICIPAL ENERGY AGENCY

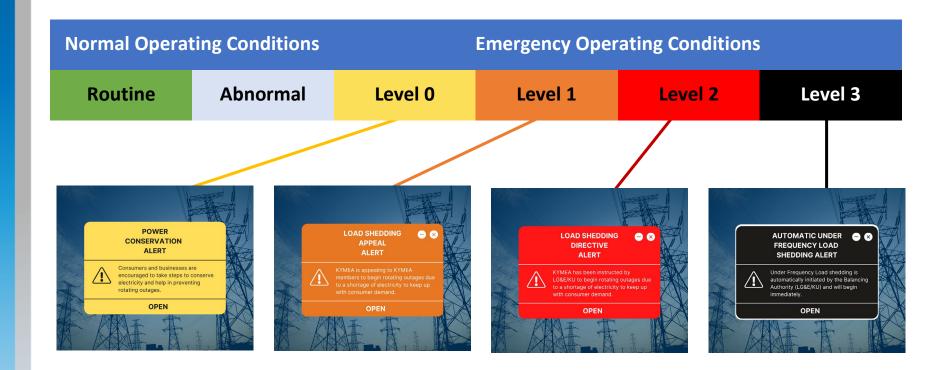


Emergency Procedures

Rob Leesman & Michelle Hixon April 28, 2022

Normal vs. Emergency Conditions









Investment Policy and Investment of Rate Stabilization

April 28, 2022

Heather Overby

INVESTMENT POLICY



Highlights:

 In accordance with Kentucky Revised Statutes 66.480. Included in supplemental information.

www.KYMEA.org

- Investment objectives, in priority order:
 - Safety
 - Liquidity
 - Yield

INVESTMENT POLICY



Staff Recommendation:

Approval of attached KYMEA Investment Policy.

INVESTMENT OF RATE STABALIZATION FUND



Benefits:

- Double KYMEA's FDIC insured funds to \$500,000.
- Diversity KYMEA investments
- Increase number of KYMEA financial institution relationships
- Provide a modest increase in interest earned.

INVESTMENT OF RATE STABALIZATION FUND



Staff Recommendation:

Board Authorization to invest \$7-9 million in Patriot Money Market account at Independence Bank. Final amount to be determined after AR Rates are set and Rate Stabilization Account Balance is determined.

KENTUCKY MUNICIPAL ENERGY AGENCY INVESTMENT POLICY

Adopted:	,	2022
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I. PURPOSE

The purpose of this Investment Policy is to invest public funds in a manner that will provide an investment return consistent with the maximum security, safety, and liquidity to meet all necessary cash flows. This policy is required by and is in accordance with Kentucky Revised Statutes 66.480. The Vice President Finance & Accounting / Chief Financial Officer is the investment officer charged with the responsibility for the purchase and sale of investments and the execution of this Investment Policy.

II. General Provisions

- A. Scope. This Investment Policy applies to all financial assets of the Agency. The Vice President Finance & Accounting / Chief Financial Officer shall routinely monitor the contents of the investment portfolio, the available markets and the relative value of competing investments and will adjust the portfolio accordingly.
- B. Investment Objectives. The primary objectives, in priority order, of investment activities shall be safety, liquidity, and yield:
 - (1) Safety. Safety of principal is the foremost objective of the investment activity. Investments shall be undertaken in a manner that seeks to ensure the preservation of capital in the overall portfolio. The objective will be to mitigate credit risk and interest rate risk.
 - (2) Liquidity. The investment portfolio shall remain sufficiently liquid to meet all operating requirements that may be reasonably anticipated. This is accomplished by structuring the portfolio so that securities mature concurrent with cash needs or by investing in securities with active secondary or resale markets. A portion of the portfolio also may be placed in money market mutual funds or local government investment pools that offer same-day liquidity for short-term funds.
 - (3) Yield. The investment portfolio shall be designed with the objective of attaining a market rate of return throughout budgetary and economic cycles, taking into account the investment risk constraints and liquidity needs. Return on investment is of secondary importance compared to the safety and liquidity objectives described above. Securities shall be purchased with the expectation that they may be held until maturity. However, securities may be sold prior to maturity:
 - a) To minimize loss of principal
 - b) To improve the quality, yield, or target duration of the portfolio
 - c) To meet liquidity needs

III. Standards of Care/Prudent Person Rule

- A. Prudence. The standard of prudence to be used by investment officials shall be the "prudent person" standard and shall be applied in the context of managing an overall portfolio. Investments shall be made with judgment and care, under circumstances then prevailing, which persons of prudence, discretion, and intelligence exercise in the management of their own affairs, not for speculation, but for investment, considering the probable safety of their capital as well as the probable income to be derived.
- B. Ethics and Conflicts of Interest. Officers and employees involved in the investment process shall refrain from personal business activity that could conflict with the proper execution and management of the investment program, or that could impair their ability to make impartial decisions. Employees and investment officials shall disclose any material interests in financial institutions with which they conduct business. They shall further disclose any personal financial/investment positions that could be related to the performance of the investment portfolio.
- C. Delegation of Authority. Authority to manage the investment program is granted to the Vice President Finance & Accounting / Chief Financial Officer, hereinafter referred to as investment officer and derived from the following: KRS 66.480: The investment officer shall be responsible for all transactions undertaken and shall establish a system of controls to regulate the activities of subordinate officials. No person may engage in an investment transaction except as provided under the terms of this policy and the procedures established by the investment officer.

IV. Authorized Investments

- A. The following investments will be permitted by this policy:
 - (1) Obligations of the United States and of its agencies and instrumentalities, including obligations subject to repurchase agreements, if delivery of these obligations subject to repurchase agreements is taken either directly or through an authorized custodian. These investments may be accomplished through repurchase agreements reached with sources including, but not limited to, national or state banks chartered in Kentucky.
 - (2) Obligations and contracts for future delivery or purchase of obligations backed by the full faith and credit of the United States or a United States government agency, including but not limited to:
 - a) United States Treasury;
 - b) Export-Import Bank of The United States;
 - c) Farmers Home Administration
 - d) Government National Mortgage Corporation; and
 - e) Merchant Marine bonds
 - (3) Obligations of any corporation of the United States government, including but not limited to:

- a) Federal Home Loan Mortgage Corporation;
- b) Federal Farm Credit Banks;
- c) Bank for Cooperatives;
- d) Federal Intermediate Credit Banks;
- e) Federal Land Banks;
- f) Federal Home Loan Banks;
- g) Federal National Mortgage Association; and
- h) Tennessee Valley Authority
- (4) Certificates of deposit issued by or other interest-bearing accounts of any bank or savings and loan institution which are insured by the Federal Deposit Insurance Cooperation or similar entity, or which are collateralized, to the extent uninsured, by any obligations, including surety bonds, permitted by KRS 41.240(4);
- (5) Uncollateralized certificates of deposit issued by any bank or savings and loan institution rated in one (1) of the three (3) highest categories by a nationally recognized rating agency;
- (6) Bankers' acceptances for banks rated in one (1) of the three (3) highest categories by a nationally recognized rating agency;
- (7) Commercial Paper rated in the highest category by a nationally recognized rating agency;
- (8) Bonds or certificates of indebtedness of this state and of its agencies and instrumentalities;
- (9) Securities issued by a state or local government, or any instrumentality or agency thereof, in the United States, and rated in one (1) of the three (3) highest categories by a nationally recognized rating agency; and
- (10) Shares of mutual funds, each of which shall have the following characteristics:
 - a) The mutual fund shall be an open-end diversified investment company registered under the federal Investment Company Act of 1940, as amended;
 - b) The management company of the investment company shall have been in operation for at least five (5) years; and
 - c) All the securities in the mutual fund shall be eligible investments pursuant to this section

V. Authorized Financial Dealers and Authorized Investment Advisors/Brokers

The Vice President Finance & Accounting / Chief Financial Officer will maintain a list of financial institutions authorized to provide investment services. No public deposit shall be made except in qualified public depositories as specified in KRS 66.480. The Vice President Finance & Accounting / Chief Financial Officer and the Agency may elect to use a broker and/or investment advisor to implement this investment policy.

VI. Internal Controls

The investment officer is responsible for establishing and maintaining an internal control structure designed to ensure that the assets of the Agency are protected from loss, theft, or misuse. The internal control structure shall be designed to provide reasonable assurance that these objectives are met. The concept of reasonable assurance recognizes that:

- A. The cost of a control should not exceed the benefits likely to be derived and
- B. The valuation of costs and benefits requires estimates and judgments by management. Accordingly, the investment officer shall establish a process for an annual independent review by an external auditor to assure compliance with policies and procedures.

VII. Investment Reporting

- A. The investment officer shall prepare an investment report at least quarterly that provides an analysis of the current investment portfolio. This summary will be prepared in a manner, which will allow the Board Risk Oversight Committee (BROC) to ascertain whether investment activities during the reporting period have conformed to the investment policy.
- B. The market value of the portfolio shall be calculated regularly in compliance with all governing statutes and accounting procedures. This will ensure that a review of the investment portfolio, in terms of value and price volatility, has been performed consistent with current mark-to-market practices.

VIII. Agreement

The Agency shall require all brokers, advisors, and financial institutions initiating transactions with the Agency to acknowledge their agreement to abide by the content of this investment policy.

1. Availability

This rate schedule for wholesale power is available to Members purchasing power and energy and related services from the Agency under the All Requirements Power Sales Contract ("Contract").

2. Applicability

This rate schedule is applicable to Members taking service from the Agency under the Contract ("AR Members").

3. Character of Service

Wholesale power furnished under this rate schedule at one or more Points of Delivery as set forth in Schedule A shall be sixty-hertz, three-phase, alternating current.

4. Monthly Rates and Charges

The Member's monthly bill will include the following charges:

AR Project Charges

Demand Charge \$14.981 per kW times Monthly Billing Demand

Energy Charge \$0.040981 per kWh times Monthly Energy

Requirement

Energy Cost Adjustment (ECA) Charge A charge determined monthly per Sections 6

and 7 of this Rate Schedule

Transmission Charges

a. LGE/KU Transmission Charge \$3.39020 per kW times Monthly Coincident (12-

CP) Transmission Billing Demand

Applicable to AR Members receiving service over the LGE/KU transmission system. The LGE/KU Transmission Charge is updated annually effective June 1 and includes LGE/KU's Open Access Transmission Tariff (OATT) charges under:

- Schedule 10, Network Integration Transmission Service
- Schedule 1, Scheduling, System Control and Dispatch
- Schedule 2, Reactive Supply and Voltage Control from Generation Sources Service
- Schedule 3, Regulation and Frequency Response Service
- Schedule 5, Operating Reserve Spinning Reserve Service
- Schedule 6, Operating Reserve Supplemental Reserve Service
- Associated credits relevant to the above schedules and any new transmission tariffs

b. PJM-EKPC Transmission Charge \$3.56569 per kW times Annual Coincident (1-CP) Transmission Billing Demand

Applicable to AR Members receiving service over the PJM-EKPC transmission system. The PJM-EKPC Transmission Charge is updated annually effective January 1 and includes PJM Open Access Transmission Tariff (OATT) charges under:

- Schedule 1100, Network Integration Transmission Service
- Schedule 1108, Transmission Enhancement
- Schedule 1115, Transmission Enhancement Settlement (EL05-121-009)
- Schedule(s) 1301-1311, PJM Scheduling Charges, System Control, and Dispatch Service
- Schedule(s) 1313-1319, PJM Settlement, Market Monitoring, FERC Recovery, and PJM States Funding
- Schedule 1320, Transmission Owner Scheduling, System Control and Dispatch Service
- Schedule 1330, Reactive Supply and Voltage Control from Generation and Other Sources Service
- Schedule(s) 1340-1380, Regulation, Frequency Response, Reserve, and Black Start Services
- Associated credits relevant to the above schedules and any new transmission tariffs
- c. MISO Transmission Charge

\$2.200 per kW times Monthly Billing Demand

Applicable to all AR Members. The Agency will review and update the MISO Transmission Charge annually, and more frequently if needed, to reflect changes in MISO transmission costs.

- Schedule 7, Firm Point to Point
- Schedule 1, Scheduling, System Control and Dispatch
- Schedule 2, Reactive Supply and Voltage Control from Generation Sources Service
- Schedule 8, Non-Firm Point to Point
- Schedule 10, FERC Assessment Fees
- Schedule 26, Network Upgrade Charge
- Schedule 26a, Multi-Value Projects
- Schedule 33, Blackstart Service
- Schedule 45, Cost Recovery of NERC Recommendation or Essential Action
- Associated credits relevant to the above schedules and any new transmission tariffs
- d. LGE/KU Wholesale Distribution Service Charge per Section 8 of this Rate Schedule

5. Billing Determinants

Monthly Billing Demand is the Member's Monthly Non-Coincident Billing Demand, except that for the months of December, January, February, and March, it is <u>lesser of</u> (a) the Member's Monthly Non-Coincident Billing Demand or (b) the average of the Member's maximum Monthly Non-Coincident Billing Demand occurring in each of the preceding three summer seasons (June, July, and August).

Monthly Non-Coincident Billing Demand is the highest average kW demand during a 60-minute period ending on a clock hour of the Member's total load during the monthly billing period. For Members with multiple delivery points, the Member's total load is the aggregated load of all delivery points each hour.

Monthly Transmission Billing Demand is the Member's average kW demand during LGE/KU's transmission system peak hour during the monthly billing period. This is commonly referred to as the Member's demand coincident with the LGE/KU monthly transmission system peak demand.

Annual Transmission Billing Demand is the Member's average kW demand during PJM-EKPC's transmission system peak hour during the annual billing period. This is commonly referred to as the Member's demand coincident with the PJM-EKPC annual transmission system peak demand.

Monthly Energy Requirement is the total amount of energy supplied to the Member during the monthly billing period, as determined in accordance with the Contract.

Monthly Billing Demand, Monthly Transmission Billing Demand, Annual Transmission Billing Demand, and Monthly Energy Requirement shall be based on load metered at, or appropriately compensated for losses to the high-voltage side of delivery substations connecting the Member's system to the applicable transmission system.

Monthly Billing Demand, Monthly Transmission Billing Demand, Annual Transmission Billing Demand, and Monthly Energy Requirement shall be determined, including any load or usage on the Member's system directly served from a Member-Owned Resource, if any, as provided in the Contract.

6. Energy Cost Adjustment (ECA)

The Energy Cost Adjustment (ECA) shall be an amount equal to the product of the Energy Cost Adjustment Charge Factor (ECAF) times the Member's Monthly Energy Requirement for the current billing month. The ECA shall be included on the subsequent monthly invoice.

Collection of the ECA shall be applied as follows:

If the computed average Days Cash on Hand for any three consecutive months < the average computed Minimum Target Days Cash on Hand for those same three consecutive months as set forth in Table 6.1, then the ECA shall be computed and collected.

Credit of the ECA shall be applied as follows:

If the current month's Days Cash on Hand > the Maximum Days Cash on Hand for the same month, then the ECA shall be computed and credited.

Where:

The ECAF shall be \$0.003/kWh.

The Minimum Monthly Target Days Cash on Hand (DCOH) and Maximum DCOH shall be as defined in Table 6.1 below pursuant to Board action taken on June 25, 2020.

Table 6.1

Month-Year	Minimum Target DCOH	Maximum DCOH
Jul 2022	65	99
Aug 2022	68	99
Sep 2022	71	99
Oct 2022	73	99
Nov 2022	74	99
Dec 2022	74	99
Jan 2023	74	99
Feb 2023	75	99
Mar 2023	75	99
Apr 2023	77	99
May 2023	78	99
Jun 2023	81	99

The Days Cash on Hand shall be computed as:

Days Cash on Hand = Cash Available / Adjusted Operating Expense per Day

Where:

Cash Available = Cash and Investments

Source: KYMEA Statement of Net Position

Where:

Adjusted Operating Expense per Day = Monthly Purchase Power and Operating Expenses, less Monthly Depreciation, plus Previous Months' Adjusted Operating Expense Balance, divided by Cumulative Days of the fiscal year.

At the beginning of each fiscal year, the Previous Month's Adjusted Operating Expense

Balance shall be reset as zero.

Source: KYMEA Consolidated Statements of Revenue, Expenses, and Changes in Net Position

7. Rate Stabilization Utilization

For the fiscal year 2023, in response to high inflationary pressure and projected high energy costs, the Agency has chosen to limit the aggregate AR member rate increase to 3.0% by utilizing the Agency's rate stabilization fund. The rate stabilization utilization, estimated by the following scheduled charges, will be applied as a reduction to the AR Project Charges and the MISO Transmission Charge. The final rate charges, which supersede the rates in Section 4, will be calculated and updated by June 15, 2022, based on the FY2022 11 months actual and 1 month budget billing demand and energy and the LG&E/KU and PJM network transmission rates effective June 1, 2022.

The Member's monthly bill with the rate stabilization credit is as follows:

AR Project Charges

Demand Charge \$12.108 per kW times Monthly Billing Demand

Energy Charge \$0.028883 per kWh times Monthly Energy

Requirement

MISO Transmission Charge \$1.876 per kW times Monthly Billing Demand

Table 7.1 below shall be applicable for the collection of the ECA for the fiscal year 2023, supersedes Table 6.1. The DCOH minimum target is lowered from 81 days to 40 days.

Table 7.1

Month-Year	Minimum Target DCOH	Rate Stabilization Minimum Target DCOH	Maximum DCOH
Jul 2022	65	40	99
Aug 2022	68	40	99
Sep 2022	71	40	99
Oct 2022	73	40	99
Nov 2022	74	40	99
Dec 2022	74	40	99
Jan 2023	74	40	99
Feb 2023	75	40	99
Mar 2023	75	40	99
Apr 2023	77	40	99
May 2023	78	40	99
Jun 2023	81	40	99

8. <u>Direct Assigned Facilities Charges</u>

The monthly fixed charges shown in the table below are the current LGE/KU Direct Assigned Facilities Charges stated in the KYMEA-LGE/KU Wholesale Distribution Service Agreement dated 03/01/2019 and amended effective 12/15/2020. These charges are based on investment in distribution facilities owned and operated by LGE/KU and include charges for substations, switchgear, and tap lines.

LGE/KU Direct Assigned Facilities Charges

AR Member	ber Monthly Fixed Charge	
Barbourville	n/a	
Bardwell	\$378.25	
Corbin	n/a	
Falmouth	\$7,189.75	
Frankfort	n/a	
Madisonville	n/a	
Paris	n/a	
Providence	\$1,290.64	

The LGE/KU Direct Assigned Facilities Charges will be updated from time to time as needed to reflect changes in LGE/KU's charges under the Wholesale Distribution Service Agreement.

9. Power Factor Charge

Each AR Member is encouraged to take and use power in such a manner that the power factor, at the time of its monthly non-coincident peak demand, will not be less than ninety percent (90%).

If the AR Member's measured power factor, at the time of its monthly non-coincident peak demand, is less than ninety percent (90%), the Member will be assessed a Power Factor Charge as follows:

Power Factor Charge \$2.80 per kVAR applied to the amount of reactive demand in kVAR by which the metered reactive demand exceeds the reactive demand at a 90% power factor

The Agency will not assess and apply power factor charges to the Members unless the Agency is assessed similar charges from the Balancing Authority (BA) or Regional Transmission Organization (RTO), at which time the Agency will assess these charges to the Members.

Late Payment Charge

The Agency may impose a late payment charge equal to five percent (5%) of the unpaid balance on any power bill amounts not paid by the due date specified in the Contract.



Schedule A to AR Rate Schedule

KENTUCKY MUNICIPAL ENERGY AGENCY ALL REQUIREMENTS PROJECT -- WHOLESALE POWER RATE SCHEDULE

SCHEDULE A POINTS OF DELIVERY

No	Dolivory Boint Name	Voltage
No.	Delivery Point Name	Level
1	Barbourville City	69kV
2	Bardwell City	69kV
3	Corbin 1 North	69kV
4	Corbin 2 South	69kV
5	Falmouth 4kV	69kV
6	Frankfort Myrick 1	69kV
7	Frankfort Myrick 2	69kV
8	Frankfort Myrick 3	69kV
9	Madisonville GE	69kV
10	Madisonville West	69kV
11	Madisonville East	69kV
12	Madisonville Hospital	69kV
13	Madisonville North	69kV
14	Madisonville McCoy Road	69kV
15	Paris City 1 (Scott Street)	69kV
16	Paris City 2 (Claysville)	69kV
17	Paris City 3 (Vine St)	69kV
18	Paris City 4 (Weaver Rd)	69kV
19	Providence 4kV	69kV
20	Providence East	69kV

Closed Session Authorization for April 28, 2022 KYMEA Board Meeting

Approval to enter into Closed Session pursuant to KRS 61.810(1)(c); KRS 61.810 (1)(k); KRS 61.878 (1)(c) and KRS 61.878(1)(j) for the purpose of:

- (i) discussing proposed or potential litigation relating to a contract dispute;
- (ii) presenting and discussing the proposals to be made in response to RFPs for Capacity and Energy Resources; and
- (iii) discussing a specific proposal from a business entity relating to the siting, retention, expansion or upgrading of a business.

KRS 61.810(1)(c) allows for closed session for the purpose of discussing proposed, potential and pending litigation relating to the agency.

KRS 61.810(1)(g) allows for closed session for discussions between a public agency and a representative of a business entity and discussions concerning a specific proposal, if open discussions would jeopardize the siting, retention, expansion, or upgrading of the business.

KRS 61.878(1)(j) allows for closed session for the discussion of preliminary recommendations, and preliminary memoranda in which opinions are expressed or policies formulated or recommended.

KRS 61.810(1)(k) and 61.878(1)(c) allow for closed session where discussions regarding records or information disclosed to the agency or required to be disclosed to the agency as confidential or proprietary would, if disclosed by the agency, provide an unfair advantage to competitors of the entity disclosing such information.