

May 2025 ECA Analysis

James Ging, Chief Operating Officer

June 26th, 2025



Overview

- Total cost under budget (\$216,829.70)

	Actual	Budget Forecast
Total Transmission Costs	\$1,460,076.48	\$1,549,179.43
Total Energy Costs	\$909,569.91	\$1,333,939.40
Total Capacity Costs	\$1,297,526.24	\$997,617.07
Total Administrative Costs	\$362,814.75	\$362,814.75
Margin (\$0.40/MWh)	\$22,670.00	\$25,936.42
Total Costs	\$4,052,657.37	\$4,269,487.07

Overview

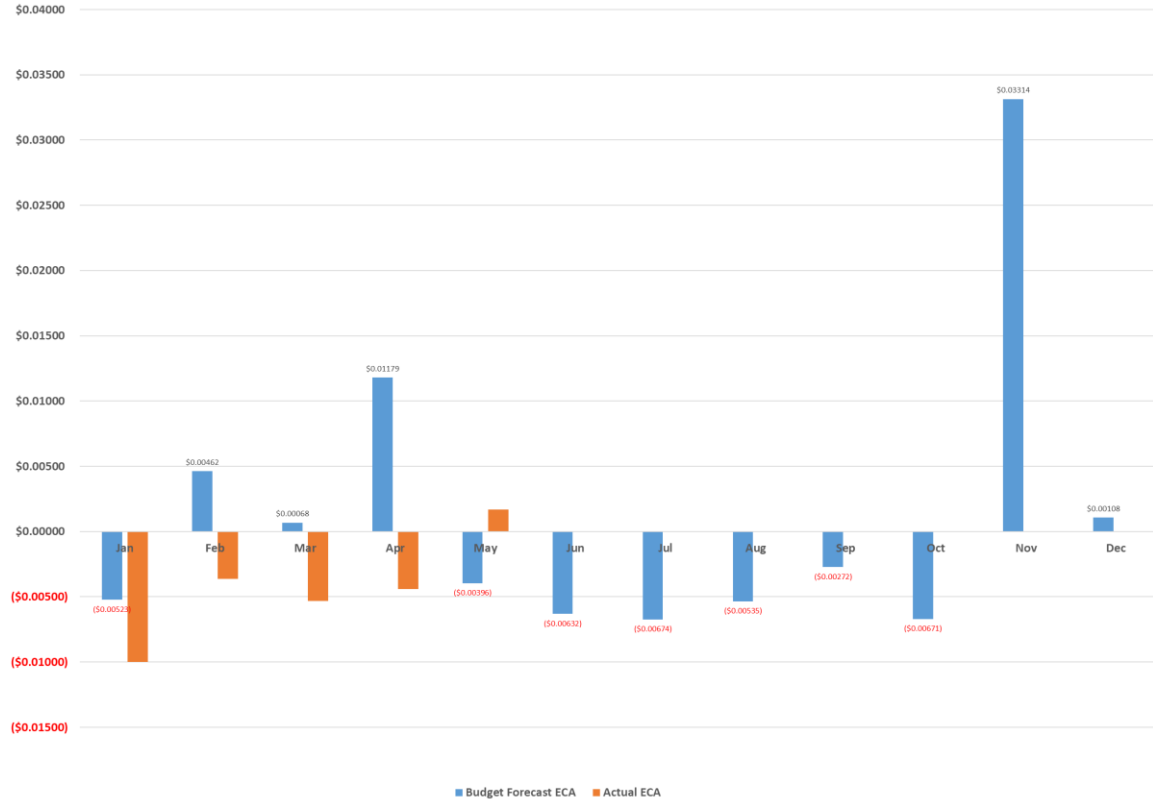
- Transmission Cost Below budget (\$89,102.95)
- Energy Cost Below budget (\$424,369.50)
- Capacity Cost Above budget \$299,909.17

- KPP Demand Below Budget 7%
- KPP Energy Below Budget 13%
- KPP LF 53.9% (Budget LF was 57.3%)

	Actual Costs	Budget Costs	Difference
Total Transmission Costs	\$10.13	\$10.03	\$0.09
Total Energy Costs	\$16.05	\$20.57	(\$4.52)
Total Capacity Costs	\$9.19	\$6.56	\$2.63
Total Administrative Costs	\$6.40	\$5.60	\$0.81
Margin (\$0.40/MWh)	\$0.40	\$0.40	\$0.00
Total Costs	\$42.16	\$43.16	(\$1.00)

May 2025 ECA		
Billing Unit	Actual	Budget Forecast
Capacity Demand (kW-Mo)	141,244	152,112
Admin Trans Demand (kW-Mo)	144,177	154,385
Energy (MWh)	56,675	64,841
Average Monthly Cost (\$/MWh)	\$71.51	\$65.85
Average Annual Cost (\$/MWh)	\$69.81	\$69.81
ECA (\$/kWh)	\$0.00170	(\$0.00396)

2025 ECA
Budget Forecast Compared to Actuals



ECA Analysis Details - Transmission

- MKEC reflects Greensburg Wind Farm generating 3.126 MW during peak hour (05/14/25 @ 16:00)

Cost Item	Actual	Budget Forecast
SPP Transmission Charges	\$1,330,857.20	\$1,435,457.61
MKEC Local Charges	\$33,368.65	\$19,907.18
SCADA	\$14,191.32	\$11,995.33
Metering Equipment	\$7,383.10	\$3,297.50
NERC Costs	\$0.00	\$0.00
Facilitator Costs	\$45,108.89	\$45,236.39
Kingman Project	\$29,167.32	\$33,285.42
Other	\$0.00	\$0.00
Total Transmission Costs	\$1,460,076.48	\$1,549,179.43

ECA Analysis Details - Energy

- Load LMPs were estimated at \$16.24/MWH in budget – actual settlement for WR, MW and MKEC loads was \$27.71/MWH
- Gas costs estimated at \$2.83/MMBtu based on NYMEX futures, gas prices average was \$3.12
- Other –Tenaska Annual and Monthly TCR Cost.

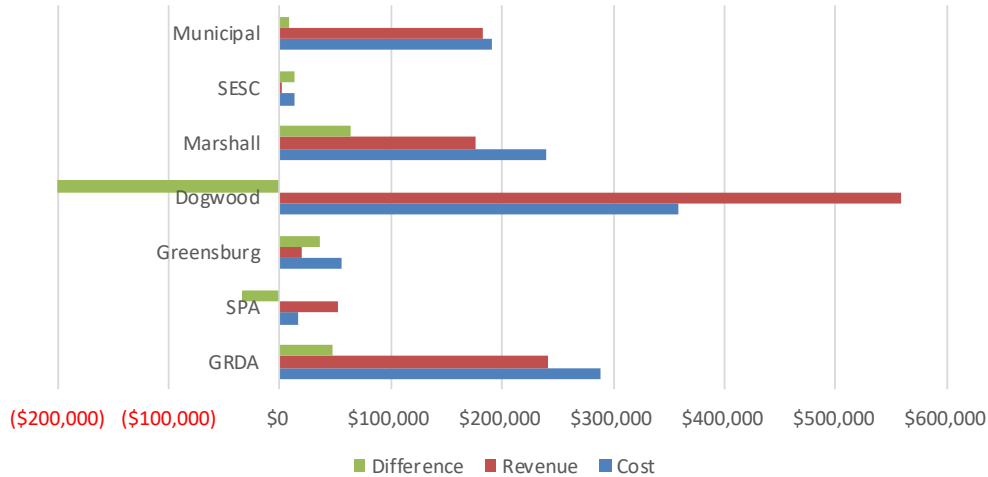
Cost Item	Actual	Budget Forecast
GRDA Energy Costs	\$288,398.00	\$345,986.78
SPA Energy Costs	\$17,203.95	\$21,922.40
Greensburg Energy Costs	\$54,800.33	\$119,319.32
Dogwood Energy Costs	\$359,346.75	\$590,835.05
Marshall Energy Costs	\$239,466.00	\$239,465.77
Municipal Generation Costs	\$191,191.41	\$78,796.06
SPP IM Charges	(\$413,471.75)	(\$62,385.97)
	\$0.00	\$0.00
Other	\$172,635.22	\$0.00
Total Energy Costs	\$909,569.91	\$1,333,939.40

Dogwood Cost Mitigation 2025

- May Auction Revenue Rights Annual Closeout resulted in revenues to KPP of \$839,236.52
- KPP faces \$540,750 in additional Dogwood O&M costs during 2025 based upon the settlement agreement with Siemens Energy
- KPP will use \$540,750 of the \$839,236.52 ARR revenues, with the \$298,486.52 remaining refunded to members through May ECA which is reflected in the SPP IM Charges in the previous slide.

	Cost	Revenue	Difference
GRDA	\$288,398.00	\$ 241,489.87	46,908.13
SPA	\$17,203.95	\$ 51,815.56	(34,611.61)
Greensburg	\$54,800.33	\$ 19,460.86	35,339.47
Dogwood	\$359,346.75	\$ 559,632.89	(200,286.14)
Marshall	\$239,466.00	\$ 175,703.61	63,762.39
SESC	\$ 13,849.00	\$506.30	13,342.70
Municipal	\$191,191.41	\$182,038.56	9,152.85
			(66,392.21)
		Note	() is credit to KPP

May Resources



ECA Analysis Details

Monthly Resource Performance

Energy Market Only

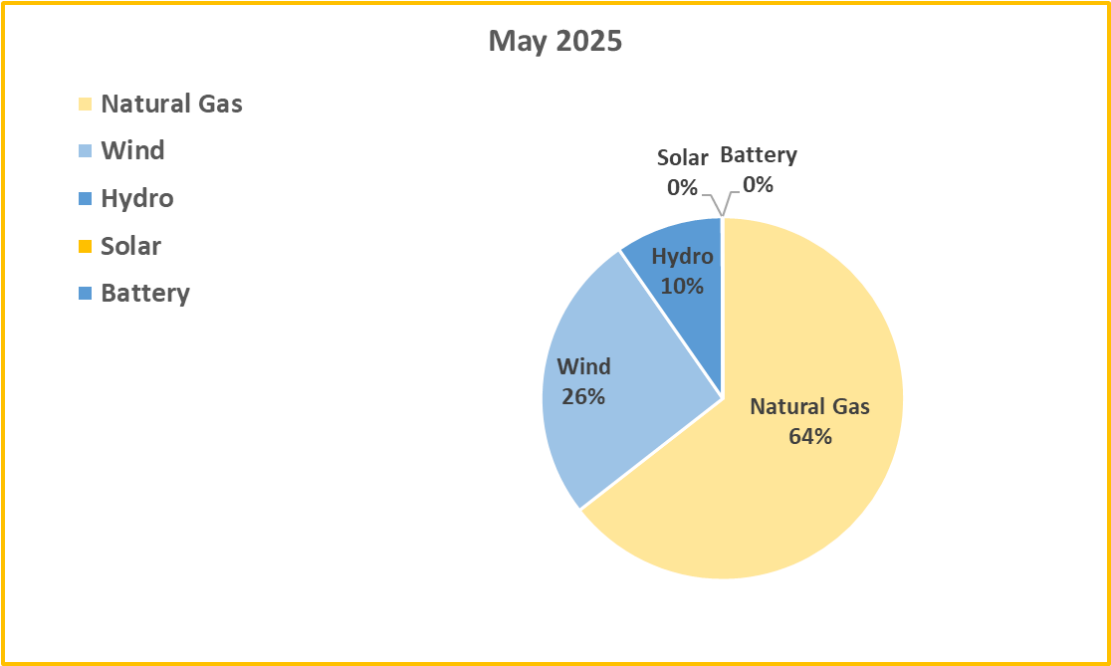
Note: This does not reflect all monthly cost, only variable cost.

ECA Analysis Details - Capacity

- Dogwood O&M Includes Our Portion Of The Siemens Payment for Outage

Cost Item	Actual	Budget Forecast
GRDA Fixed Costs	\$120,099.00	\$120,120.00
SPA Fixed Costs	\$18,900.00	\$19,026.00
Dogwood O&M Costs	\$558,559.76	\$256,418.04
Capacity Sale	\$0.00	\$0.00
Dogwood Debt Service	\$294,107.60	\$296,369.00
Capacity Payment to Cities	\$116,841.88	\$116,666.67
Walnut Energy Center Debt Service	\$166,667.00	\$166,666.67
Walnut Energy Center Fixed O&M	\$0.00	\$0.00
Solomon Energy Storage Center Debt Service	\$13,849.00	\$13,848.61
SESC Fixed O&M	\$8,502.00	\$8,502.08
Pace Solar Debt Service	\$0.00	\$0.00
PACE O&M	\$0.00	\$0.00
Generation Repair Fund	\$0.00	\$0.00
Chanute PPA	\$0.00	\$0.00
Other	\$0.00	\$0.00
Total Capacity Costs	\$1,297,526.24	\$997,617.07

KPP Generation Mix



Questions?

