

December 2024 ECA Analysis

James Ging, Chief Operating Officer

January 16th, 2025



Overview

- Total cost over budget \$481,458.45

	Actual	Budget Forecast
Total Transmission Costs	\$1,385,481.67	\$1,310,899.38
Total Energy Costs	\$1,050,474.22	\$989,024.84
Total Capacity Costs	\$1,631,443.91	\$1,283,038.78
Total Administrative Costs	\$390,591.32	\$390,591.32
Margin (\$0.40/MWh)	\$22,654.86	\$25,633.20
Total Costs	\$4,480,645.97	\$3,999,187.51

Overview

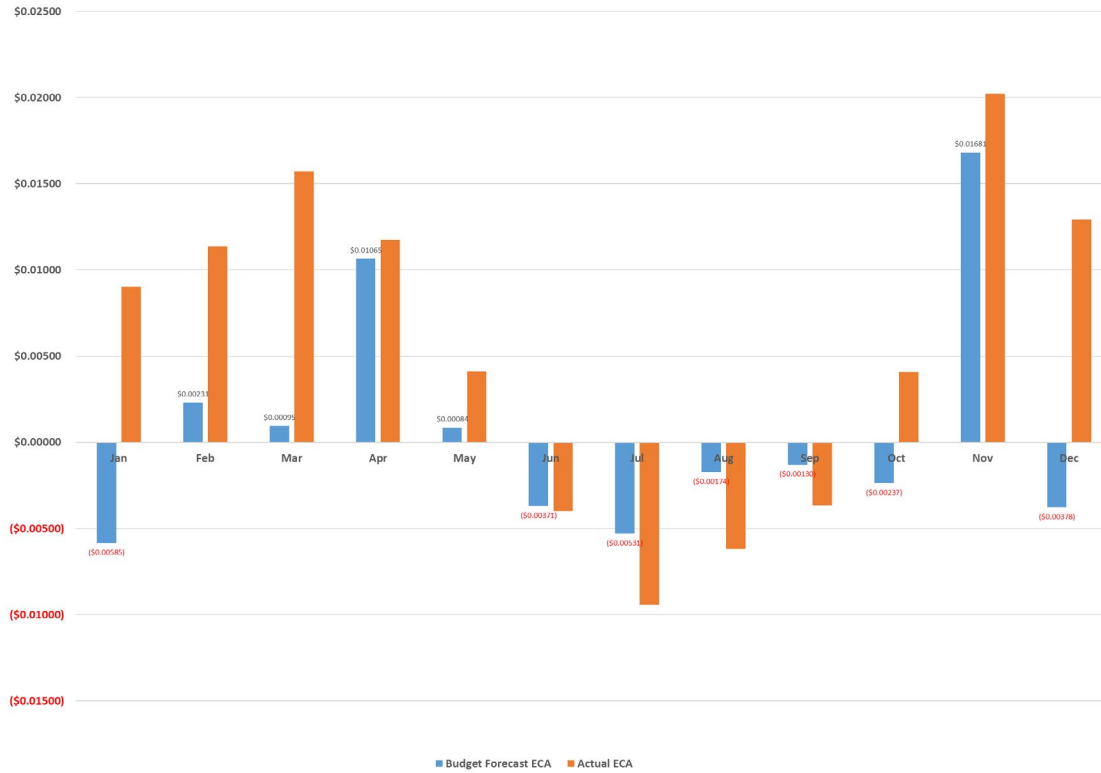
- Transmission Cost Above budget \$74,582.29
- Energy Cost Above budget \$61,449.38
- Capacity Cost Above budget \$348,405.12

- KPP Demand Below budget 14%
- KPP Energy Below 12%
- KPP LF 74.7% (Budget LF was 72.9%)

	Actual Costs	Budget Costs	Difference
Total Transmission Costs	\$13.28	\$10.88	\$2.40
Total Energy Costs	\$18.55	\$15.43	\$3.11
Total Capacity Costs	\$15.64	\$10.87	\$4.77
Total Administrative Costs	\$3.74	\$3.24	\$0.50
Margin (\$0.40/MWh)	\$0.40	\$0.40	\$0.00
Total Costs	\$51.61	\$40.83	\$10.78

December 2024 ECA		
Billing Unit	Actual	Budget Forecast
Capacity Demand (kW-Mo)	101,868	118,071
Admin Trans Demand (kW-Mo)	104,322	120,443
Energy (MWh)	56,637	64,083
Average Monthly Cost (\$/MWh)	\$79.11	\$62.41
Average Annual Cost (\$/MWh)	\$66.19	\$66.19
ECA (\$/kWh)	\$0.01292	(\$0.00378)

2024 ECA
Budget Forecast Compared to Actuals



ECA Analysis Details - Transmission

- MKEC reflects Greensburg Wind Farm generating 2.697 MW during peak hour (12/20/24 @ 9:00)

Cost Item	Actual	Budget Forecast
SPP Transmission Charges	\$1,266,738.90	\$1,184,431.34
MKEC Local Charges	\$31,931.05	\$40,284.16
SCADA	\$11,800.70	\$5,148.08
Metering Equipment	\$1,494.30	\$3,150.00
NERC Costs	\$0.00	\$0.00
Facilitator Costs	\$44,349.40	\$44,362.52
Kingman Project	\$29,167.32	\$33,523.26
Other	\$0.00	\$0.00
Total Transmission Costs	\$1,385,481.67	\$1,310,899.38

ECA Analysis Details - Energy

- Load LMPs were estimated at \$13.62/MWH in budget – actual settlement for WR, MW and MKEC loads was \$19.22/MWH
- Gas costs estimated at \$3.86/MMBtu based on NYMEX futures, gas prices average was \$3.01
- Other –Tenaska Annual and Monthly TCR Cost.

Cost Item	Actual	Budget Forecast
GRDA Energy Costs	\$255,478.00	\$338,650.20
SPA Energy Costs	\$4,797.24	\$3,368.15
Greensburg Energy Costs	\$82,651.21	\$92,317.27
Dogwood Energy Costs	\$389,729.77	\$607,528.65
Marshall Energy Costs	\$330,626.75	\$187,929.53
Municipal Generation Costs	\$25,815.35	\$68,153.49
SPP IM Charges	(\$197,182.86)	(\$308,922.44)
Other	\$158,558.76	\$0.00
Total Energy Costs	\$1,050,474.22	\$989,024.84

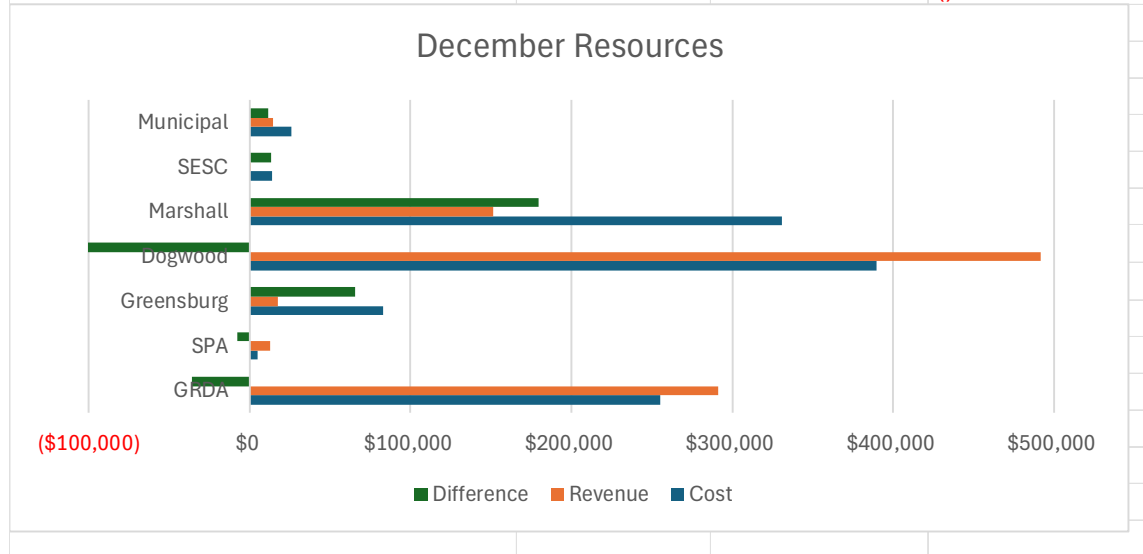
	Cost	Revenue	Difference
GRDA	\$255,478.00	\$ 291,324.38	(35,846.38)
SPA	\$4,797.24	\$ 12,504.30	(7,707.06)
Greensburg	\$82,651.21	\$ 17,375.32	65,275.89
Dogwood	\$389,729.77	\$ 491,566.48	(101,836.71)
Marshall	\$330,626.75	\$ 151,306.69	179,320.06
SESC	\$ 14,079.51	\$493.83	13,585.68
Municipal	\$25,815.35	\$14,306.56	11,508.79
			124,300.27
		Note	() is credit to KPP

ECA Analysis Details

Monthly Resource Performance

Energy Market Only

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

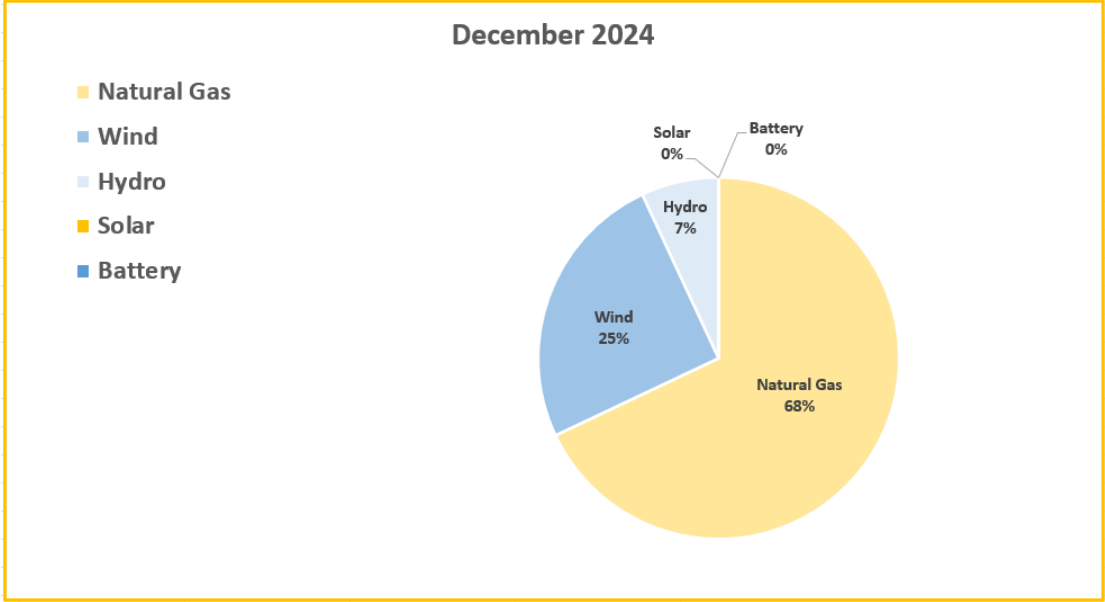


ECA Analysis Details - Capacity

- Dogwood O&M is estimated

Cost Item	Actual	Budget Forecast
GRDA Fixed Costs	\$120,099.00	\$118,462.50
SPA Fixed Costs	\$18,900.00	\$20,838.00
Dogwood O&M Costs	\$482,091.14	\$130,607.84
Capacity Sale	\$0.00	\$0.00
Dogwood Debt Service	\$291,175.62	\$296,180.99
Capacity Payment to Cities	\$113,641.25	\$111,135.56
Walnut Energy Center Debt Service	\$416,667.00	\$416,666.67
Walnut Energy Center Fixed O&M	\$0.00	\$0.00
Solomon Energy Storage Center Debt Service	\$13,869.90	\$14,147.22
SESC Fixed O&M	\$8,333.00	\$8,333.33
Pace Solar Debt Service	\$166,667.00	\$166,666.67
Other	\$0.00	\$0.00
Total Capacity Costs	\$1,631,443.91	\$1,283,038.78

KPP Generation Mix



Questions?

