

November 2024 ECA Analysis

James Ging, Chief Operating Officer

December 17th, 2024



Overview

- Total cost under budget (\$532,949.08)

	Actual	Budget Forecast
Total Transmission Costs	\$1,358,862.07	\$1,317,541.24
Total Energy Costs	\$1,004,246.57	\$1,511,376.65
Total Capacity Costs	\$1,596,954.50	\$1,660,693.17
Total Administrative Costs	\$390,591.32	\$390,591.32
Margin (\$0.40/MWh)	\$20,230.85	\$23,632.00
Total Costs	\$4,370,885.30	\$4,903,834.38

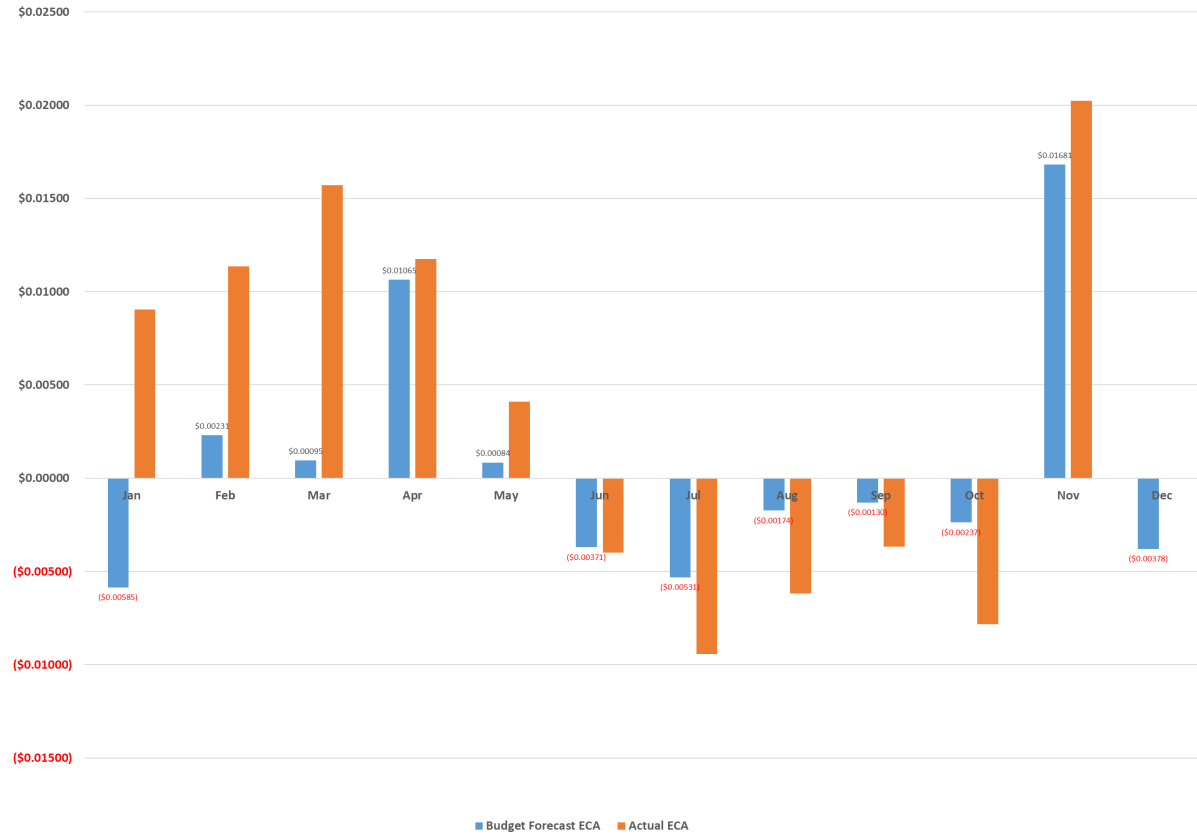
Overview

- Transmission Cost Above budget \$41,320.83
- Energy Cost Below budget (\$507,130.08)
- Capacity Cost Below budget (\$63,738.67)
- KPP Demand Below budget 12%
- KPP Energy Below 14%
- KPP LF 75.31% (Budget LF was 76.51%)

	Actual Costs	Budget Costs	Difference
Total Transmission Costs	\$14.16	\$12.02	\$2.14
Total Energy Costs	\$19.86	\$25.58	(\$5.73)
Total Capacity Costs	\$17.12	\$15.48	\$1.64
Total Administrative Costs	\$7.72	\$3.56	\$4.16
Margin (\$0.40/MWh)	\$0.40	\$0.40	\$0.00
Total Costs	\$59.26	\$57.05	\$2.21

November 2024 ECA		
Billing Unit	Actual	Budget Forecast
Capacity Demand (kW-Mo)	93,270	107,252
Admin Trans Demand (kW-Mo)	95,993	109,624
Energy (MWh)	50,577	59,080
Average Monthly Cost (\$/MWh)	\$86.42	\$83.00
Average Annual Cost (\$/MWh)	\$66.19	\$66.19
ECA (\$/kWh)	\$0.02023	\$0.01681

2024 ECA
Budget Forecast Compared to Actuals



ECA Analysis Details

- Transmission cost above budget \$41,320.83
- MKEC reflects Greensburg Wind Farm generating 0 MW during peak hour (11/27/24 @ 15:00)

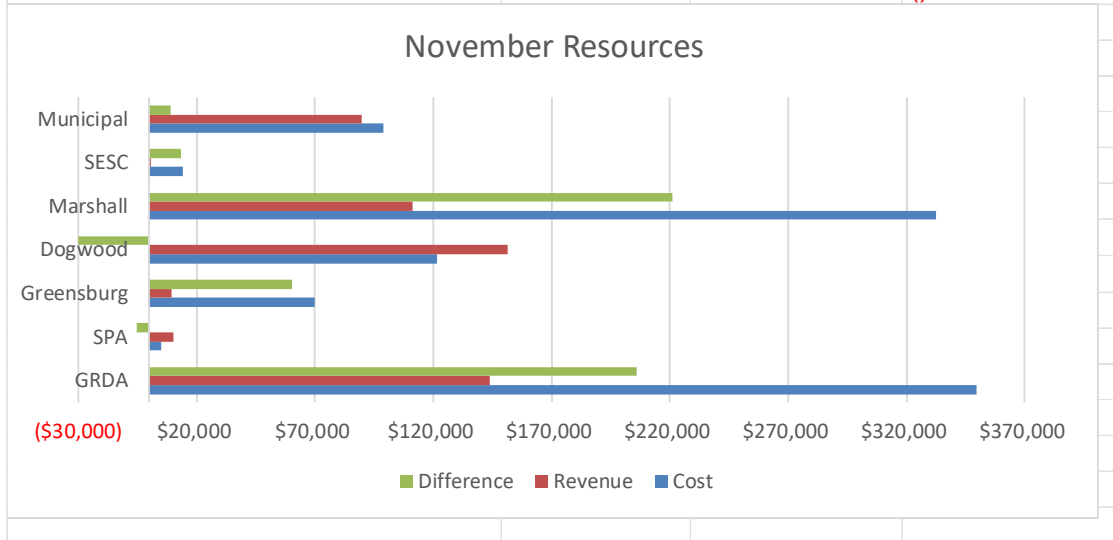
Cost Item	Actual	Budget Forecast
SPP Transmission Charges	\$1,257,867.13	\$1,184,431.34
MKEC Local Charges	\$17,103.90	\$46,926.03
SCADA	\$7,849.70	\$5,148.08
Metering Equipment	\$1,494.30	\$3,150.00
NERC Costs	\$0.00	\$0.00
Facilitator Costs	\$45,108.89	\$44,362.52
Kingman Project	\$29,438.15	\$33,523.26
Other	\$0.00	\$0.00
Total Transmission Costs	\$1,358,862.07	\$1,317,541.24

ECA Analysis Details

- Energy cost below budget (\$507,130.08)
 - Load LMPs were estimated at \$17.84/MWH in budget – actual settlement for WR, MW and MKEC loads was \$13.05/MWH
 - Gas costs estimated at \$3.38/MMBtu based on NYMEX futures, gas prices average was \$2.12
 - Other –Tenaska cost.

Cost Item	Actual	Budget Forecast
GRDA Energy Costs	\$349,774.00	\$327,726.00
SPA Energy Costs	\$4,813.15	\$2,878.82
Greensburg Energy Costs	\$69,691.38	\$84,309.31
Dogwood Energy Costs	\$121,430.02	\$396,190.89
Marshall Energy Costs	\$332,402.12	\$168,180.50
Municipal Generation Costs	\$99,012.45	\$68,003.03
SPP IM Charges	(\$82,676.49)	\$464,088.11
Other	\$109,799.94	\$0.00
Total Energy Costs	\$1,004,246.57	\$1,511,376.65

	Cost	Revenue	Difference
GRDA	\$349,774.00	\$ 143,744.45	206,029.55
SPA	\$4,813.15	\$ 10,011.56	(5,198.41)
Greensburg	\$69,691.38	\$ 9,352.53	60,338.85
Dogwood	\$121,430.02	\$ 151,484.93	(30,054.91)
Marshall	\$332,402.12	\$ 111,295.31	221,106.81
SESC	\$ 14,079.51	\$757.51	13,322.00
Municipal	\$99,012.45	\$89,897.09	9,115.36
			474,659.25
		Note	() is credit to KPP



ECA Analysis Details

Monthly Resource Performance

Energy Market Only

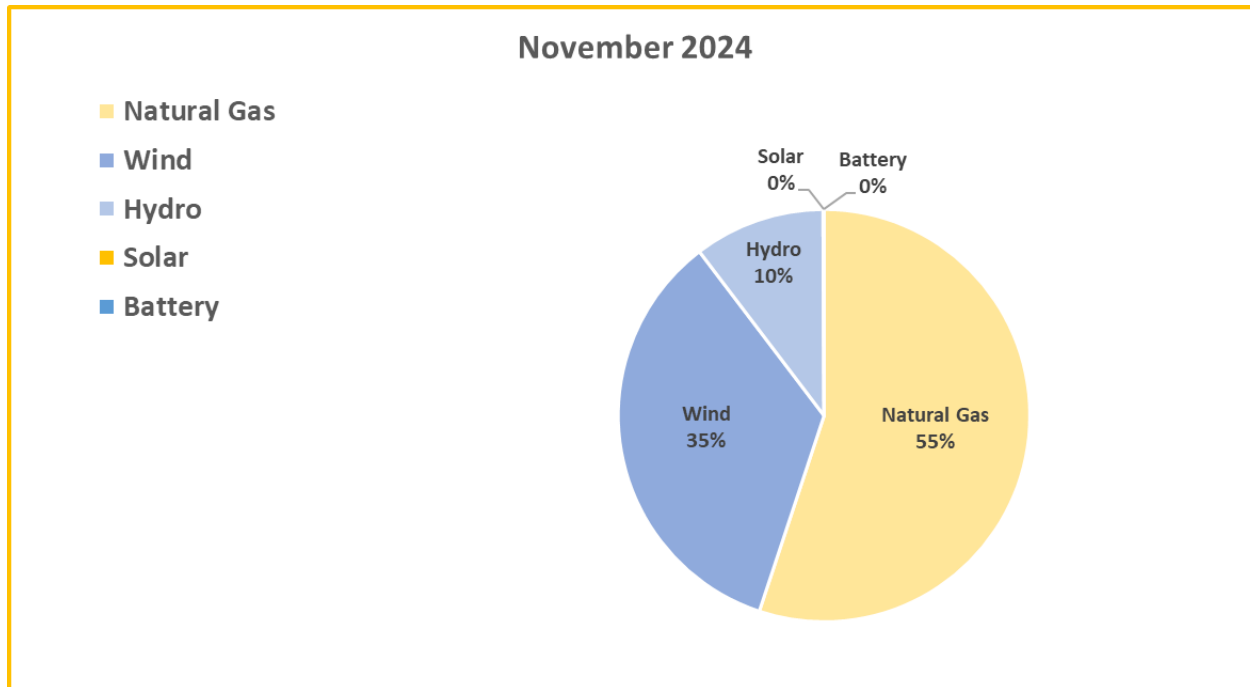
Note: This does not reflect all monthly cost, only variable cost.

ECA Analysis Details

- Capacity cost below budget (\$63,738.67)
- Dogwood O&M is estimated

Cost Item	Actual	Budget Forecast
GRDA Fixed Costs	\$160,125.00	\$118,462.50
SPA Fixed Costs	\$18,900.00	\$20,838.00
Dogwood O&M Costs	\$406,722.45	\$508,262.23
Capacity Sale	\$0.00	\$0.00
Dogwood Debt Service	\$291,695.57	\$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	\$14,203.23	\$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	\$1,596,954.50	\$1,660,693.17

KPP Generation Mix



Questions?

