

# August 2025 ECA Analysis

James Ging, Chief Operating Officer

September 24th, 2025



# Overview

- Total cost under budget (\$1,365,241.99)

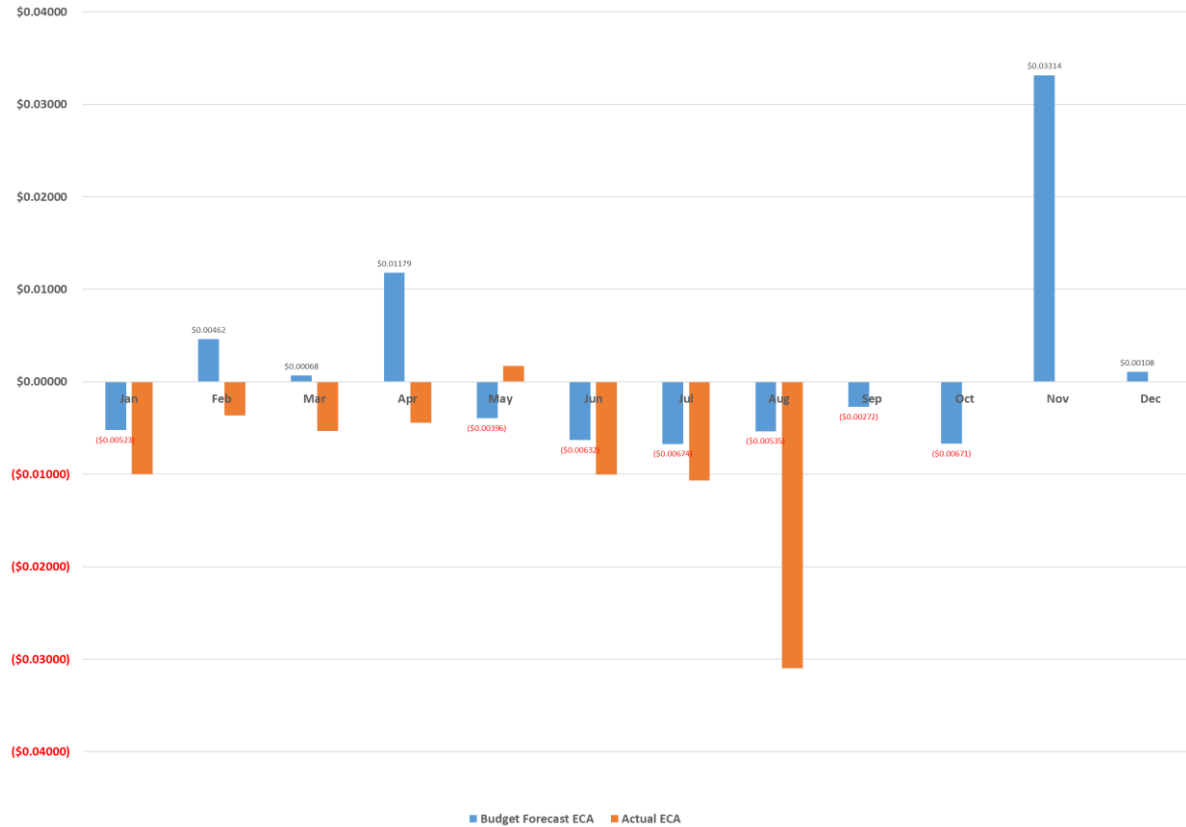
|                            | Actual         | Budget Forecast |
|----------------------------|----------------|-----------------|
| Total Transmission Costs   | \$1,444,978.47 | \$1,557,432.29  |
| Total Energy Costs         | \$1,965,510.11 | \$3,042,421.29  |
| Total Capacity Costs       | \$821,915.87   | \$993,384.53    |
| Total Administrative Costs | \$362,814.75   | \$362,814.75    |
| Margin (\$0.40/MWh)        | \$32,781.60    | \$37,189.93     |
| Total Costs                | \$4,628,000.79 | \$5,993,242.79  |

# Overview

- Transmission Cost Below budget (\$112,453.82)
- Energy Cost Below budget (\$1,076,911.19)
- Capacity Cost Below budget (\$171,468.66)
- KPP Demand Below Budget 7%
- KPP Energy Below Budget 12%
- KPP LF 56.7% (Budget LF was 59.8% )

|                                   | Actual Costs       | Budget Costs    | Difference         |
|-----------------------------------|--------------------|-----------------|--------------------|
| <b>Total Transmission Costs</b>   | \$7.33             | \$7.37          | (\$0.04)           |
| <b>Total Energy Costs</b>         | \$23.98            | \$32.72         | (\$8.74)           |
| <b>Total Capacity Costs</b>       | \$4.23             | \$4.76          | (\$0.53)           |
| <b>Total Administrative Costs</b> | \$4.43             | \$3.90          | \$0.52             |
| <b>Margin (\$0.40/MWh)</b>        | \$0.40             | \$0.40          | \$0.00             |
| <b>Total Costs</b>                | \$40.37            | \$49.15         | (\$8.78)           |
| <b>August 2025 ECA</b>            |                    |                 |                    |
| Billing Unit                      | Actual             | Budget Forecast |                    |
| Capacity Demand (kW-Mo)           | 194,280            | 208,878         |                    |
| Admin Trans Demand (kW-Mo)        | 197,213            | 211,456         |                    |
| Energy (MWh)                      | 81,954             | 92,975          |                    |
| Average Monthly Cost (\$/MWh)     | \$56.47            | \$64.46         |                    |
| Average Annual Cost (\$/MWh)      | \$69.81            | \$69.81         |                    |
| <b>ECA (\$/kWh)</b>               | <b>(\$0.01334)</b> |                 | <b>(\$0.00535)</b> |

2025 ECA  
Budget Forecast Compared to Actuals



- November – Budget Reflects Outage At Dogwood

# ECA Analysis Details - Transmission

- MKEC reflects Greensburg Wind Farm generating 0 MW during peak hour (08/07/25 @ 15:00)
- Wheatland LAC Increase From \$1.99 to \$3.09 /KW
- Southern Pioneer LAC Increase From \$4.34 to \$5.20 /KW

| Cost Item                       | Actual                | Budget Forecast       |
|---------------------------------|-----------------------|-----------------------|
| SPP Transmission Charges        | \$1,333,465.97        | \$1,435,457.61        |
| MKEC Local Charges              | \$28,448.65           | \$28,160.04           |
| SCADA                           | \$8,106.79            | \$11,995.33           |
| Metering Equipment              | \$680.85              | \$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                |
| <b>Total Transmission Costs</b> | <b>\$1,444,978.47</b> | <b>\$1,557,432.29</b> |

# ECA Analysis Details - Energy

- Load LMPs were estimated at \$33.04/MWH in budget – actual settlement for WR, MW and MKEC loads was \$29.70/MWH
- Gas costs estimated at \$3.25/MMBtu based on NYMEX futures, gas prices average was \$2.91
- Other –Tenaska Monthly TCR Cost.

| Cost Item                  | Actual                | Budget Forecast       |
|----------------------------|-----------------------|-----------------------|
| GRDA Energy Costs          | \$380,526.00          | \$461,214.90          |
| SPA Energy Costs           | \$31,970.44           | \$15,781.85           |
| Greensburg Energy Costs    | \$54,770.23           | \$97,910.15           |
| Dogwood Energy Costs       | \$584,255.28          | \$893,284.85          |
| Marshall Energy Costs      | \$203,813.23          | \$255,920.94          |
| Municipal Generation Costs | \$294,855.19          | \$956,102.89          |
| SPP IM Charges             | \$356,069.35          | \$362,205.71          |
| Other                      | \$59,250.39           | \$0.00                |
| <b>Total Energy Costs</b>  | <b>\$1,965,510.11</b> | <b>\$3,042,421.29</b> |

# ECA Analysis Details

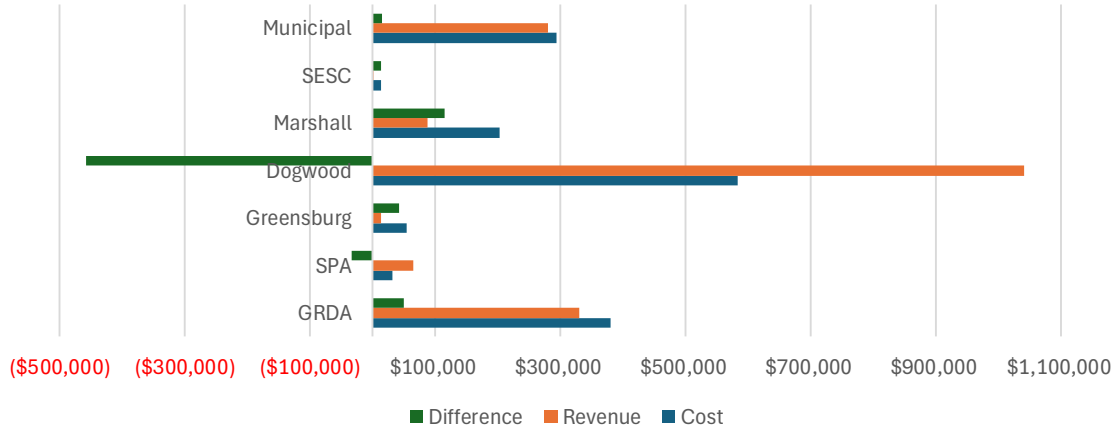
## Monthly Resource Performance

Energy Market Only

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

|            | Cost         | Revenue         | Difference          |
|------------|--------------|-----------------|---------------------|
| GRDA       | \$380,526.00 | \$ 331,278.32   | 49,247.68           |
| SPA        | \$31,970.44  | \$ 64,973.48    | (33,003.04)         |
| Greensburg | \$54,770.23  | \$ 12,928.24    | 41,841.99           |
| Dogwood    | \$584,255.28 | \$ 1,041,875.46 | (457,620.18)        |
| Marshall   | \$203,813.23 | \$ 88,292.78    | 115,520.45          |
| SESC       | \$ 13,849.00 | \$241.82        | 13,607.18           |
| Municipal  | \$294,855.19 | \$280,467.89    | 14,387.30           |
|            |              |                 | (256,018.62)        |
|            |              | Note            | () is credit to KPP |

August Resources



# ECA Analysis Details - Capacity

- Dogwood O&M includes July True Up.
- Other Category is Heartland PPA

| Cost Item                                  | Actual              | Budget Forecast     |
|--|---------------------|---------------------|
| GRDA Fixed Costs                           | \$160,125.00        | \$160,125.00        |
| SPA Fixed Costs                            | \$22,260.00         | \$19,026.00         |
| Dogwood O&M Costs                          | (\$20,745.06)       | \$186,680.51        |
| Capacity Sale                              | \$0.00              | \$0.00              |
| Dogwood Debt Service                       | \$293,916.05        | \$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                                | \$25,500.00         | \$25,500.00         |
| Other                                      | \$35,000.00         | \$0.00              |
| <b>Total Capacity Costs</b>                | <b>\$821,915.87</b> | <b>\$993,384.53</b> |



# KPP Generation Mix

August 2025

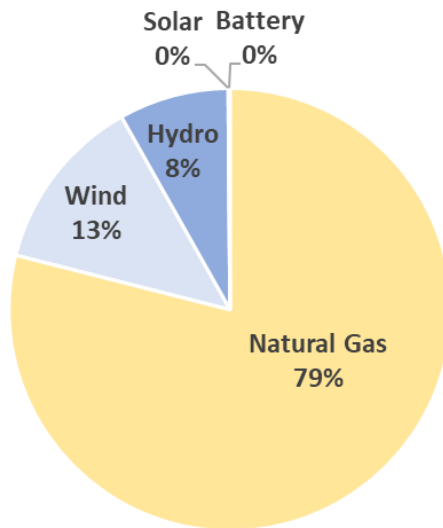
■ Natural Gas

■ Wind

■ Hydro

■ Solar

■ Battery



**Questions?**

