September 2024 ECA Analysis

James Ging, Director of Engineering Services

October 16th, 2024

KPP ENERGY

Overview

- Total cost under budget ($766,121.57)

	Actual	Budget Forecast
Total Transmission Costs	$1,395,015.18	$1,297,434.59
Total Energy Costs	$1,197,045.95	$1,972,171.86
Total Capacity Costs	$1,325,094.60	$1,409,957.47
Total Administrative Costs	$390,591.32	$390,591.32
Margin ($0.40/MWh)	$27,735.43	$31,448.80
Total Costs	$4,335,482.47	$5,101,604.04

KPP ENERGY

Overview

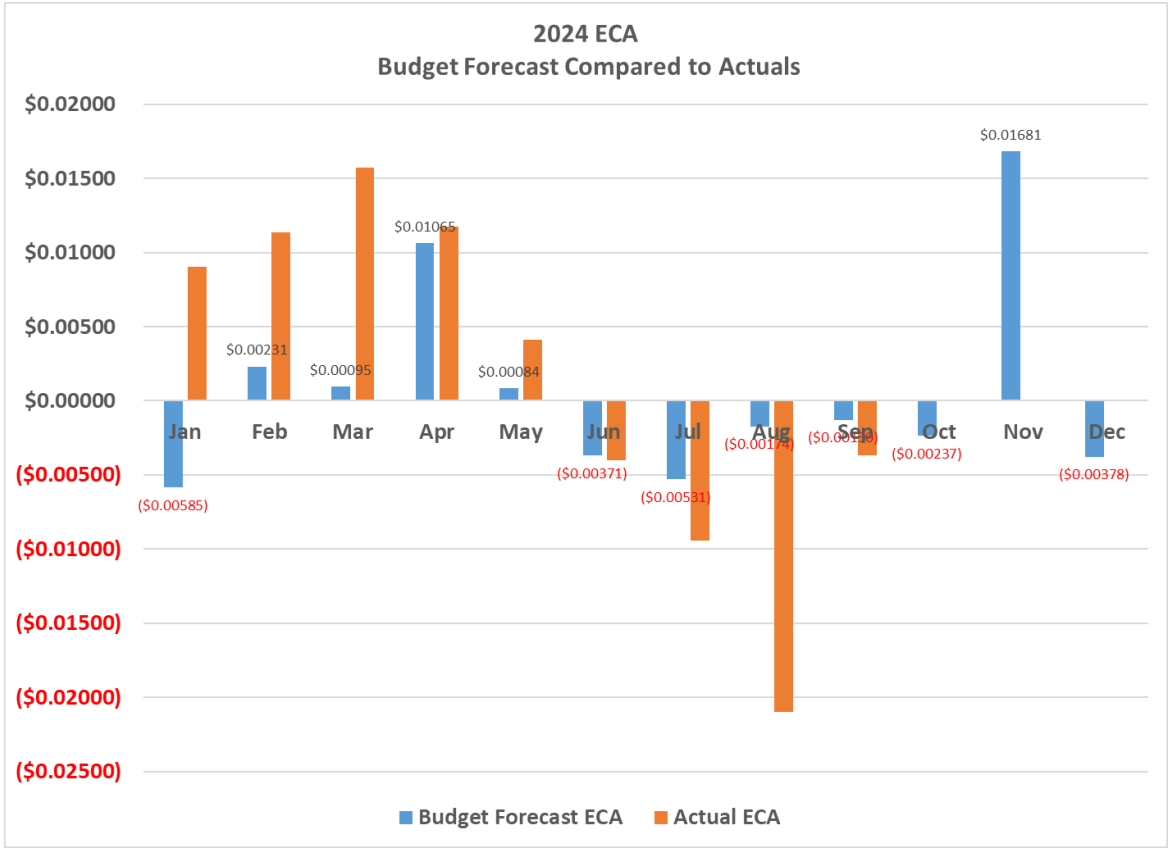
- Transmission Cost Above budget $97,508.59
- Energy Cost Below budget ($775,125.91)
- Capacity Cost Below budget ($84,862.87)

- KPP Demand Below budget 5%
- KPP Energy Below 12%
- KPP LF 52.02% (Budget LF was 56.15%)

	Actual Costs	Budget Costs	Difference
Total Transmission Costs	$7.42	$6.58	$0.85
Total Energy Costs	$17.26	$25.08	($7.82)
Total Capacity Costs	$7.16	$7.25	($0.09)
Total Administrative Costs	$5.63	$4.97	$0.67
Margin ($0.40/MWh)	$0.40	$0.40	$0.00
Total Costs	$37.88	$44.28	($6.40)

September 2024 ECA

Billing Unit	Actual	Budget Forecast
Capacity Demand (kW-Mo)	185,127	194,479
Admin Trans Demand (kW-Mo)	187,956	197,308
Energy (MWh)	69,339	78,622
Average Monthly Cost ($/MWh)	**$62.53**	**$64.89**
Average Annual Cost ($/MWh)	**$66.19**	**$66.19**
ECA ($/kWh)	**($0.00366)**	**($0.00130)**


2024 ECA
Budget Forecast Compared to Actuals
$0.02000
$0.01500
$0.01000
$0.00500
$0.00000
($0.00500)
($0.01000)
($0.01500)
($0.02000)
($0.02500)
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
$0.00231
$0.00095
$0.01065
$0.00084
$0.01681
($0.00585)
($0.00371)
($0.00531)
($0.00174)
($0.00237)
($0.00378)
Budget Forecast ECA
Actual ECA

ECA Analysis Details

- Transmission cost above budget $97,580.59
- MKEC reflects Greensburg Wind Farm generating 4.877 MW during peak hour (09/16/24 @ 16:00)

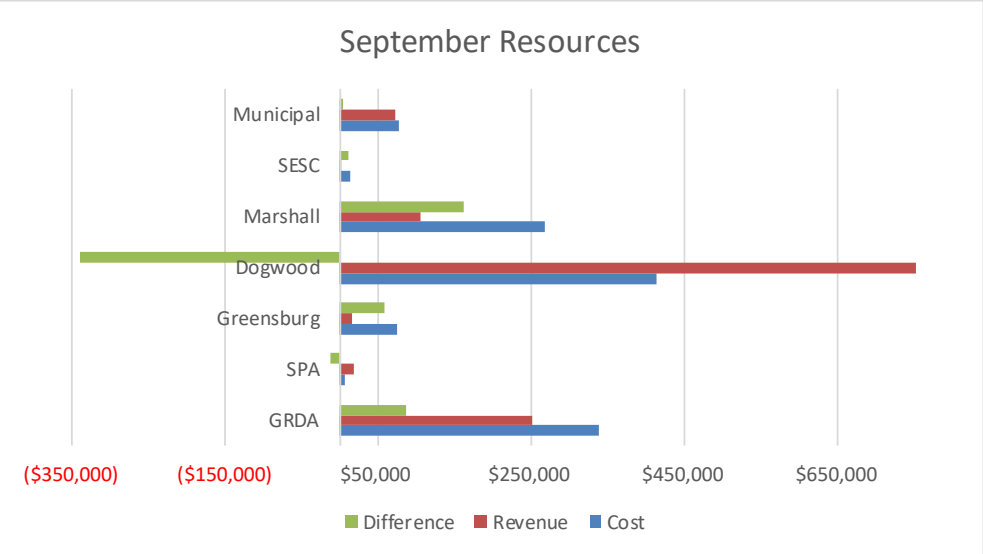
Cost Item	Actual	Budget Forecast
SPP Transmission Charges	$1,261,248.09	$1,184,431.34
MKEC Local Charges	$47,917.11	$26,819.38
SCADA	$9,737.70	$5,148.08
Metering Equipment	$2,324.73	$3,150.00
NERC Costs	$0.00	$0.00
Facilitator Costs	$44,349.40	$44,362.52
Kingman Project	$29,438.15	$33,523.26
Other	($9,355.83)	$0.00
Total Transmission Costs	**$1,395,015.18**	**$1,297,434.59**

ECA Analysis Details

- Energy cost below budget ($775,125.91)
  - Load LMPs were estimated at $25.29/MWH in budget – actual settlement for WR, MW and MKEC loads was $21.42/MWH
  - Gas costs estimated at $2.91/MMBtu based on NYMEX futures, gas prices average was $2.28
  - Other –Tenaska ARR cost.

Cost Item	Actual	Budget Forecast
GRDA Energy Costs	$338,642.00	$444,250.80
SPA Energy Costs	$7,000.64	$6,393.13
Greensburg Energy Costs	$75,116.76	$105,248.01
Dogwood Energy Costs	$413,387.69	$523,078.58
Marshall Energy Costs	$268,853.58	$220,390.97
Municipal Generation Costs	$77,132.58	$69,602.50
SPP IM Charges	($56,004.67)	$603,207.86
Other	$72,917.37	$0.00
Total Energy Costs	**$1,197,045.95**	**$1,972,171.86**

	Cost	Revenue	Difference
GRDA	$338,642.00	$ 250,683.31	87,958.69
SPA	$7,000.64	$ 17,792.80	(10,792.16)
Greensburg	$75,116.76	$ 17,457.68	57,659.08
Dogwood	$413,387.69	$ 752,565.82	(339,178.13)
Marshall	$268,853.58	$ 105,990.67	162,862.91
SESC	$ 14,079.51	$2,210.76	11,868.75
Municipal	$77,132.58	$73,212.74	3,919.84
			(25,701.02)
		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.

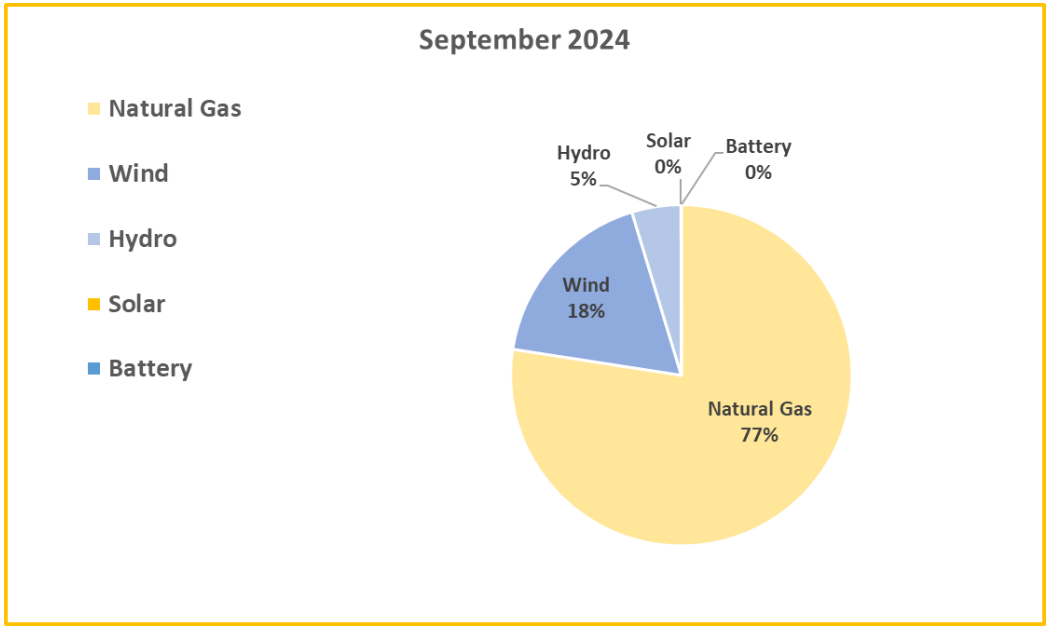
ECA Analysis Details

- Capacity cost below budget $84,862.87
- Dogwood O&M includes true up from August

Cost Item	Actual	Budget Forecast
GRDA Fixed Costs	$160,125.00	$160,582.50
SPA Fixed Costs	$18,900.00	$20,838.00
Dogwood O&M Costs	$133,897.21	$215,406.53
Capacity Sale	$0.00	$0.00
Dogwood Debt Service	$292,660.91	$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	**$1,325,094.60**	**$1,409,957.47**

KPP ENERGY

KPP Generation Mix



Questions?