

RAC GENERATION PLAN PORTFOLIO SCORING

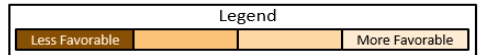
December 6, 2022

(Updated on December 19, 2022)

PORTFOLIO METRIC RESULTS

System Reliability & Climate Resiliency				Environmental Sustainability				Affordability				System Flexibility		Workforce Impact		
Diversity of Generation Mix	Capacity Headroom	Extreme Weather Exposure		Progress Towards City of SA CAAP Goals				Energy Cost (\$/MWh)		Present Value (PV) Revenue Requirements		Market Purchases	Dispatchability	CPS Energy Workforce Impact	Local Economic Impact	
Generation Mix (MWh)	Expected Reserve Margin (%)	Rev. Req. Extreme Weather (\$Billion)	% of CPS Energy Consumption That Is Met Through ERCOT Market Purchases	% CO2 Intensity Reduction Relative to 2016 (Ref Scenario)	Emission Intensity (lb CO2/MWh)		% Reduction In Consumption Due To STEP	Reference Scenario Average Cost (\$/MWh)	Range in Cost in all Scenarios (\$/MWh)	Ref Scenario (\$Billion)	Range Across all Scenarios (\$Billion)	% Of CPS Energy Consumption that is Met Through ERCOT Market Purchases	% of CPS Energy Capacity that is Dispatchable	# of Impacted CPS Energy Generation Employees	Capital Expenditures For New Generation Capacity Built In Greater San Antonio Area (\$Millions)	
2030	2030	2030	2030	2030	2030	2040	2030	2023 - 2030		2023 - 2030	2023 - 2030	2030	2030	2030	2023 - 2030	
P1		13.7%	\$1.70	1.0%	37%	578	547	9.7%	\$58.07	\$52-60	\$8.58	\$7.87-8.58	1%	61%	155	\$2,758
P2		15.7%	\$2.04	3.1%	44%	518	350	9.7%	\$60.04	\$55-63	\$8.85	\$8.19-8.99	4%	57%	170	\$2,004
P3		14.5%	\$3.26	12.8%	65%	321	161	9.7%	\$60.58	\$56-63	\$8.90	\$8.36-8.98	13%	46%	345	\$1,310
P4		15.3%	\$2.02	6.1%	30%	641	361	9.7%	\$59.16	\$53-61	\$8.72	\$7.99-8.72	7%	63%	90	\$1,787
P5		15.0%	\$3.28	13.5%	65%	325	161	9.7%	\$60.47	\$55-62	\$8.88	\$8.23-8.88	13%	46%	355	\$866
P6		13.2%	\$3.27	19.6%	78%	200	31	9.7%	\$65.34	\$61-69	\$9.54	\$9.07-9.68	18%	39%	355	\$4,041
P7		13.1%	\$3.34	19.7%	78%	202	35	9.7%	\$65.96	\$61-69	\$9.63	\$9.14-9.76	18%	39%	355	\$4,041
P8		15.4%	\$2.79	11.2%	59%	378	160	9.7%	\$60.67	\$55-62	\$8.92	\$8.20-8.92	11%	48%	295	\$548
P9		14.6%	\$2.69	7.9%	60%	371	160	9.7%	\$58.64	\$54-59	\$8.65	\$8.04-8.65	9%	46%	295	\$548

- Nuclear
- ▲ Gas Toll
- Storage
- Geothermal
- Wind
- Hydrogen
- Coal
- Solar
- Energy Efficiency
- Gas
- Other

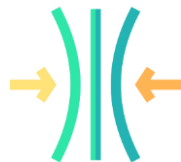


GENERATION PLANNING OBJECTIVES

AS SCORED BY RAC MEMBERS



System Reliability
RAC: 18 (31%)



System Flexibility
RAC: 5 (8%)



Environmental Sustainability & Climate Resiliency*
RAC: 13 (22%)



Workforce Impact
RAC: 1 (2%)



Affordability
RAC: 12 (20%)



CPS Energy Financial Stability
RAC: 10 (17%)

Adjusted RAC Dot Plot	Count	Percent
Reliability	18	37%
Environmental	13	27%
Affordability	12	24%
Flexibility	5	10%
Workforce	1	2%
Total	49	100%
Notes:		
1. Financial Stability Removed		

Adjusted dot plot tallies applied to quantitative assessment on next slide.

RAC numbers represent "Dot Plot" vote tallies out of 59 total from August RAC meeting

* "Climate Resiliency" was later paired with "System Reliability" per RAC advice.

RAC QUANTITATIVE SCORING - UNWEIGHTED

- Assigned metric scores per the scale (Upper Table)
- Calculated an unweighted average score by Objective (Lower Table)

Scale

1	2	3	4
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Note: Refer to Portfolio Metric Results Scorecard

Portfolios	System Reliability & Climate Resiliency				Environmental Sustainability				Affordability				System Flexibility		Workforce Impact	
	Diversity of Generation Mix	Capacity Headroom	Extreme Weather Exposure		Progress Towards City of SA CAAP Goals				Energy Cost (\$/M Wh)		Present Value (PV) Revenue Requirements		Market Purchases	Dispatchability	CPS Energy Workforce Impact	Local Economic Impact
	Generation Mix (MWh)	Expected Reserve Margin (%)	Rev. Req. Extreme Weather (\$Billion)	%of CPS Energy consumption that is met through ERCOT market purchases	%CO2 Intensity Reduction Relative to 2016 (Ref Scenario)	Emission Intensity (lb CO2/M Wh)	%reduction in consumption due to STEP	Reference Scenario Average Cost (\$/M Wh)	Range in Cost in all Scenarios (\$/M Wh)	Ref Scenario (\$Billion)	Range Across all Scenarios (\$Billion)	%of CPS Energy consumption that is met through ERCOT market purchases	%of CPS Energy Capacity that is Dispatchable	# of Impacted CPS Energy Generation Employees	Capital expenditures for new generation capacity built in greater San Antonio area (\$Millions)	
	2030	2030	2030	2030	2030	2030/2040	2030	2023 - 2030	2023 - 2030	2023 - 2030	2023 - 2030	2030	2030	2030	2023 - 2030	
	P1	1	2	4	4	See Note 1	1	1	4	4	2	See Note 2	2	4	4	3
P2	2	4	4	4	See Note 1	2	2	4	2	2	See Note 2	2	4	4	3	3
P3	3	2	1	2	See Note 1	3	3	4	2	2	See Note 2	4	2	2	1	2
P4	2	4	4	3	See Note 1	1	2	4	4	2	See Note 2	2	4	4	4	2
P5	3	4	1	2	See Note 1	3	3	4	2	4	See Note 2	2	2	2	1	1
P6	2	1	1	1	See Note 1	4	4	4	1	2	See Note 2	4	1	1	1	4
P7	2	1	1	1	See Note 1	4	4	4	1	2	See Note 2	4	1	1	1	4
P8	4	4	2	2	See Note 1	3	3	4	2	2	See Note 2	2	2	2	2	1
P9	4	2	2	3	See Note 1	3	3	4	4	4	See Note 2	4	4	2	2	1

Unweighted Portfolios	System Reliability & Climate Resiliency				Environmental Sustainability				Affordability				System Flexibility		Workforce Impact		Unweighted Total Score
P1	2.75				2.00				2.67				4.00		3.00		14.42
P2	3.50				2.67				2.00				4.00		3.00		15.17
P3	2.00				3.33				2.67				2.00		1.50		11.50
P4	3.25				2.33				2.67				4.00		3.00		15.25
P5	2.50				3.33				2.67				2.00		1.00		11.50
P6	1.25				4.00				2.33				1.00		2.50		11.08
P7	1.25				4.00				2.33				1.00		2.50		11.08
P8	3.00				3.33				2.00				2.00		1.50		11.83
P9	2.75				3.33				4.00				3.00		1.50		14.58

Notes:

- % CO2 intensity metric was not used since it is redundant to CO2 intensity in lb/MWh.
- Reference PV of Revenue Requirements in \$B was not used since it is redundant to Reference Average Cost in \$/MWh.

RAC QUANTITATIVE SCORING – WEIGHTED (UNCORRECTED SCORE)

- Assigned metric scores per the scale (Upper Table)
- Calculated a weighted average score by Objective (Lower Table)

Scale

1	2	3	4
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Note: Refer to Portfolio Metric Results Scorecard

Portfolios	System Reliability & Climate Resiliency				Environmental Sustainability				Affordability				System Flexibility		Workforce Impact			
	Diversity of Generation Mix	Capacity Headroom	Extreme Weather Exposure		Progress Towards City of SA CAAP Goals				Energy Cost (\$/MWh)		Present Value (PV) Revenue Requirements		Market Purchases	Dispatchability	CPS Energy Workforce Impact	Local Economic Impact		
	Generation Mix (MWh)	Expected Reserve Margin (%)	Rev. Req. Extreme Weather (\$Billion)	% of CPS Energy consumption that is met through ERCOT market purchases	% CO2 Intensity Reduction Relative to 2014 (Ref Scenario)	Emission Intensity		% reduction in consumption due to	Reference Scenario	Range in Cost in all Scenarios (\$/MWh)	Ref Scenario	Range Across all Scenarios (\$Billion)	% of CPS Energy consumption that is met through ERCOT market purchases	% of CPS Energy Capacity that is Dispatchable	# of Impacted CPS Energy Generation Employees	Capital expenditures for new generation capacity built in greater San Antonio area (\$Millions)		
						(lb CO2/MWh)	STEP	Average Cost (\$/MWh)	(\$Billion)									
2030	2030	2030	2030	2030	2030 2040		2030	2023 - 2030		2023 - 2030	2023 - 2030	2030	2030	2030	2023 - 2030			
P1	1	2	4	4	See Note 1	1	1	4	4	2	See Note 2	2	4	4	3	3		
P2	2	4	4	4	See Note 1	2	2	4	2	2	See Note 2	2	4	4	3	3		
P3	3	2	1	2	See Note 1	3	3	4	2	2	See Note 2	4	2	2	1	2		
P4	2	4	4	3	See Note 1	1	2	4	4	2	See Note 2	2	4	4	4	2		
P5	3	4	1	2	See Note 1	3	3	4	2	4	See Note 2	2	2	2	1	1		
P6	2	1	1	1	See Note 1	4	4	4	1	2	See Note 2	4	1	1	1	4		
P7	2	1	1	1	See Note 1	4	4	4	1	2	See Note 2	4	1	1	1	4		
P8	4	4	2	2	See Note 1	3	3	4	2	2	See Note 2	2	2	2	2	1		
P9	4	2	2	3	See Note 1	3	3	4	4	4	See Note 2	4	4	2	2	1		
Weighted Portfolios	System Reliability & Climate Resiliency				Environmental Sustainability				Affordability				System Flexibility		Workforce Impact		Portfolio	Weighted Total Score
Weighting	37%				27%				24%				10%		2%			88%
P1	1.01				0.53				0.65				0.41		0.06		P1	2.19
P2	1.29				0.71				0.49				0.41		0.06		P2	2.48
P3	0.73				0.88				0.65				0.20		0.03		P3	2.27
P4	1.19				0.62				0.65				0.41		0.06		P4	2.47
P5	0.92				0.88				0.65				0.20		0.02		P5	2.46
P6	0.46				1.06				0.57				0.10		0.05		P6	2.09
P7	0.46				1.06				0.57				0.10		0.05		P7	2.09
P8	1.10				0.88				0.49				0.20		0.03		P8	2.48
P9	1.01				0.88				0.98				0.31		0.03		P9	2.87

Uncorrected Score (Flexibility & Workforce Sub Scores Not Included)

Notes:

- % CO2 intensity metric was not used since it is redundant to CO2 intensity in lb/MWh.
- Reference PV of Revenue Requirements in \$B was not used since it is redundant to Reference Average Cost in \$/MWh.

RAC QUANTITATIVE SCORING – WEIGHTED (CORRECTED SCORE)

- Assigned metric scores per the scale (Upper Table)
- Calculated a weighted average score by Objective (Lower Table)

Scale

1	2	3	4
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Note: Refer to Portfolio Metric Results Scorecard

Portfolios	System Reliability & Climate Resiliency				Environmental Sustainability				Affordability				System Flexibility		Workforce Impact	
	Diversity of Generation Mix	Capacity Headroom	Extreme Weather Exposure		Progress Towards City of SA CAAP Goals				Energy Cost (\$/MWh)		Present Value (PV) Revenue Requirements		Market Purchases	Dispatchability	CPS Energy Workforce Impact	Local Economic Impact
	Generation Mix (MWh)	Expected Reserve Margin (%)	Rev. Req. Extreme Weather (\$Billion)	% of CPS Energy consumption that is met through ERCOT market purchases	% CO2 Intensity Reduction Relative to 2016 (Ref Scenario)	Emission Intensity		% reduction in consumption due to	Reference Scenario	Range in Cost in all Scenarios (\$/MWh)	Ref Scenario	Range Across all Scenarios (\$Billion)	% of CPS Energy consumption that is met through ERCOT market purchases	% of CPS Energy Capacity that is Dispatchable	# of impacted CPS Energy Generation Employees	Capital expenditures for new generation capacity built in greater San Antonio area (\$Millions)
						(lb CO2/MWh)	STEP	Average Cost	(\$/MWh)							
						2030	2030	2030	2030	2030	2030 2040	2030				
P1	1	2	4	4	See Note 1	1	1	4	4	2	See Note 2	2	4	4	3	3
P2	2	4	4	4	See Note 1	2	2	4	2	2	See Note 2	2	4	4	3	3
P3	3	2	1	2	See Note 1	3	3	4	2	2	See Note 2	4	2	2	1	2
P4	2	4	4	3	See Note 1	1	2	4	4	2	See Note 2	2	4	4	4	2
P5	3	4	1	2	See Note 1	3	3	4	2	4	See Note 2	2	2	2	1	1
P6	2	1	1	1	See Note 1	4	4	4	1	2	See Note 2	4	1	1	1	4
P7	2	1	1	1	See Note 1	4	4	4	1	2	See Note 2	4	1	1	1	4
P8	4	4	2	2	See Note 1	3	3	4	2	2	See Note 2	2	2	2	2	1
P9	4	2	2	3	See Note 1	3	3	4	4	4	See Note 2	4	4	2	2	1

Corrected Score (All Sub Scores Included)

Weighted Portfolios	System Reliability & Climate Resiliency				Environmental Sustainability				Affordability				System Flexibility		Workforce Impact		Weighted Total Score
Weighting	37%				27%				24%				10%		2%		100%
P1	1.01				0.53				0.65				0.41		0.06		2.66
P2	1.29				0.71				0.49				0.41		0.06		2.95
P3	0.73				0.88				0.65				0.20		0.03		2.51
P4	1.19				0.62				0.65				0.41		0.06		2.94
P5	0.92				0.88				0.65				0.20		0.02		2.68
P6	0.46				1.06				0.57				0.10		0.05		2.24
P7	0.46				1.06				0.57				0.10		0.05		2.24
P8	1.10				0.88				0.49				0.20		0.03		2.71
P9	1.01				0.88				0.98				0.31		0.03		3.21

Notes:
 1. % CO2 intensity metric was not used since it is redundant to CO2 intensity in lb/MWh.
 2. Reference PV of Revenue Requirements in \$B was not used since it is redundant to Reference Average Cost in \$/MWh.

RAC QUANTITATIVE SCORING – WEIGHTED SUMMARY OF SCORING UPDATE

Uncorrected Score (Flexibility & Workforce Sub Scores Not Included)			Corrected Score (All Sub Scores Included)	
Portfolio	Weighted Total Score		Portfolio	Weighted Total Score
	88%	Corrected Weighted Score: P1 & P3 swapped positions; also P4 & P8; the rest remained the same.		100%
P1	2.19		P1	2.66
P2	2.48		P2	2.95
P3	2.27		P3	2.51
P4	2.47		P4	2.94
P5	2.46		P5	2.68
P6	2.09		P6	2.24
P7	2.09		P7	2.24
P8	2.48		P8	2.71
P9	2.87		P9	3.21

DISCUSSION