

Planning Strategies—Agreed to at Technical Meeting 3

	Strategy 1	Strategy 2	Strategy 3	Strategy 4	Strategy 5
Objective	Least Cost Planning	0.2/2% DSM Goal	Optimal Program Achievable DSM	Navigant High DSM	Stakeholder Strategy
Capacity Portfolio Criteria and Constraints	Meet 12% Long-term Planning Reserve Margin (PRM) target using least-cost resource portfolio	Include a portfolio of DSM programs that meet the Council's stated 2% goal	Meet peak load need + 12% PRM target using Optimal Program Level DSM and resources selected by model	Meet peak load need + 12% PRM target using Navigant High Case DSM and resources selected by model	Meet peak load need + 12% PRM target using DSM, renewables, and energy storage resources
Description	Assess demand- and supply-side alternatives to meet projected capacity needs with a focus on total relevant supply costs	Assess portfolio of DSM programs that meet Council's stated 0.2/2% goal along with consideration of additional supply-side alternatives	Assess portfolio of DSM programs from Optimal Program Achievable case along with consideration of additional supply-side alternatives	Assess portfolio of DSM from Navigant High case along with consideration of additional supply-side alternatives	Assess demand- and supply-side alternatives to meet projected capacity needs with a focus on adding renewables and storage
DSM Input Case	Navigant Base (Optimized)	Navigant 2%	Optimal Program Achievable	Navigant High	Optimal Program Achievable (Optimized, if needed inputs provided)

Planning Scenarios – Agreed to at Technical Meeting 3

	Scenario 1 (Moderate Change)	Scenario 2 (Customer Driven)	Scenario 3 (Stakeholder)
Peak Load & Energy Growth	Medium	High	Low
Natural Gas Prices	Medium	Low	High
Market Coal & Legacy Gas Deactivations	60 years	55 years	50 years
Magnitude of Coal & Legacy Gas Deactivations ¹	17% by 2028 57% by 2038	31% by 2028 73% by 2038	46% by 2028 76% by 2038
MISO Market Additions Renewables / Gas Mix	34% / 66%	25% / 75%	50%/50% ²
CO ₂ Price Forecast	Medium	Low	High (start 2022)

1. "Magnitude of Coal & Legacy Gas Deactivation" driven by "Market Coal and Legacy Gas deactivation" assumptions (e.g. 55 Years; 31%/73%) for BP19
2. Includes storage to support market LMPs