

**DRAFT Summary of Parameters for Scenarios Developed by Stakeholders**

| <b>Input Assumptions</b>            | <b>1. Current Trends</b>                                   | <b>2. Global Recession</b>   | <b>3. High Economic Growth</b>  | <b>4. High Efficiency/DG</b>                            | <b>5. High Gas Price</b>   | <b>6. Stringent Environmental</b>   | <b>7. Low Global Oil Prices</b>   | <b>8. High LNG Exports</b>  | <b>9. High System Resilience</b>        | <b>10. Water Stress</b>  |
|-------------------------------------|--|--|---|---|--|---|---|---|---|--|
| <b>Economic Growth</b>              | Continued population and industrial growth                 | Lower population growth, no industrial growth, reduced E&P                 | Higher population, GDP, industrial growth   | Same as Current Trends                                  | Higher GDP/ population growth, reduced downstream growth, shift to gas | Population/GDP growth, limits on oil & gas production/LNG exports             | Oil production declines, shifts to gas, local disruption in economic growth | High economic growth, especially gulf cost industrial growth and oil & gas activity | Same as Current Trends                  | Moderate decline in economic growth, water intensive industries hurt                           |
| <b>Env Regs/Energy Policy</b>       | EPA rules implemented, flexible GHG mandate                | Same as Current Trends plus increase in renewable subsidies                | Same as Current Trends plus focus on domestic energy sources                        | Gov't incentives for retrofits to increase efficiency   | Same as Current Trends   | Strict federal GHG mandate, full EPA implementation of all regs, carbon tax   | Same as Current Trends  | Support for LNG exports, conducive to oil & gas production                          | Same as Current Trends                  | Focus on water conservation, incentives for drought resistant generation                       |
| <b>Alternative Generation</b>       | Increased solar, continued wind growth with economic entry | Limited renewable development outside subsidies, slower solar cost decline | Faster decrease in renewable costs, higher renewable growth                         | Sharp decline in solar costs, lower cost storage        | Faster decrease in renewable costs, higher renewable growth            | Renewable incentives with sharp decrease in costs, storage capacity developed | Same as Current Trends  | Same as Current Trends  | Same as Current Trends                  | Investments in renewables, storage, dry-cooling, possible desalination-power plant co-location |
| <b>Natural Gas/Oil Prices</b>       | Current forecasts  | Low oil/gas prices, no LNG exports   | High oil/gas prices   | High gas prices, oil prices same as Current Trends      | High gas prices, oil prices same as Current Trends                     | High gas prices, oil prices higher than Current Trends                        | Oil prices < \$50/barrel, moderate rise in gas prices                       | Low gas prices, high oil prices   | Same as Current Trends                  | Moderate increase in gas prices  |
| <b>Transmission Regulation</b>      | Reduce constraints   | Lower transmission costs   | Higher transmission costs   | Reduce constraints                                      | Reduce constraints   | Solar CREZ, DC ties added   | Same as Current Trends  | Same as Current Trends  | PUC/legislator focus on load-based CREZ | DC ties added, transmission builds due to constrained generation                               |
| <b>Generation Resource Adequacy</b> | No resource adequacy requirement, energy-only              | Same as Current Trends   | Possible resource adequacy requirement  | Same as Current Trends                                  | Same as Current Trends   | Same as Current Trends  | Same as Current Trends  | Same as Current Trends  | Resource adequacy requirement           | Same as Current Trends   |
| <b>End Use/New Markets</b>          | Increasing DR, DG, need for A/S                            | Increased focus on efficiency measures for cost savings                    | Growth in builds with higher efficiency and DG, faster adoption of new technologies | Significant increase in efficiency and DG installations | Significant increase in efficiency and DG installations                | Significant increase in efficiency and DG installations                       | Higher EE and DR due to higher gas prices                                   | More industrial DR and CHP  | Same as Current Trends                  | Development of demand side management tools  |
| <b>Water/Weather</b>                | No drought, continued concerns of water stress             | No drought, reduced water stress concerns                                  | Higher water costs, but doesn't limit growth  | Above average summer temperatures, water stress         | Higher water costs   | More extreme events, higher summer temps, water scarcity and higher costs     | Same as Current Trends  | Technology improvements lower oil & gas water usage, low water costs                | Same as Current Trends                  | Sustained, longer periods of drought, higher summer temps, higher water costs                  |