

		2022 SLTRP Core Scenarios			
		100% Clean Energy by 2045	100% Carbon Free by 2035		
		SB 100 (Reference Case)	Case #1: Moderate Interim	Case #2: Aggressive Interim	Case #3: Aggressive Interim and High DERs
2030 RPS Target		60% RPS by 2030	80% RPS by 2030	90% RPS by 2030	90% RPS by 2030
Eligible Technologies	Renewables (Wind, Solar, Geo, Small Hydro) <i>(primary)</i>	Yes*	Yes*	Yes*	Yes*
	Energy Storage <i>(primary)</i>	Yes*	Yes*	Yes*	Yes*
	Solid Biomass	No	No	No	No
	Biogas/Biofuels	Yes*	No	No	No
	Fuel Cells	Yes*	Yes*, hydrogen only	Yes*, hydrogen only	Yes*, hydrogen only
	Hydro - Existing	Yes*	Yes*	Yes*	Yes*
	Hydro - New	No	No	No	No
	Hydro - Upgrades	Yes*	Yes*	Yes*	Yes*
	Natural Gas	Yes*	Yes*, until 2035	Yes*, until 2035	Yes*, until 2035, Limited (More DERs)
	Zero Carbon H2 Turbines <i>(secondary)</i>	Yes*	Yes*	Yes*	Limited (More DERs)
	Nuclear - Existing	Yes*	Yes*	Yes*	Yes*
	Nuclear - New	No	No	No	No
Transform existing gas capacity (non-OTC units)	Haynes, Scattergood, Harbor, Valley	No	Yes	Yes	Yes
Distributed Energy Resources (DERs)	Local Solar	1500 MW by 2035 (Reference)	2240 MW by 2035 (High)	2240 MW by 2035 (High)	2400 MW by 2035 (Highest)
	Local Energy Storage	Reference	High	High	Highest (Max DERs)
	Energy Efficiency	3210 GWh by 2035 (Reference)	4350 GWh by 2035 (High)	4350 GWh by 2035 (High)	4770GWh by 2035 (Highest)
	Demand Response	576 MW by 2035 (Moderate)	576 MW by 2035 (Moderate)	576 MW by 2035 (Moderate)	633 MW by 2035 (High)
	Building Electrification	Reference	High	High	Highest (Max DERs)
Renewable Energy Credits (RECs)	Financial Mechanisms (RECs/Allowances)	Yes	No	No	No
Transmission	New or Upgraded Transmission	Moderate	High	High (possible new corridors)	High

\*Note: Optimal portfolio will be determined through the capacity expansion model

Note: Zero carbon includes RPS + nuclear + large hydro + green hydrogen

		Sensitivity Scenarios Applied to 100% carbon free by 2035 Scenarios
Fuel Prices**	Natural Gas, H2, etc.	High/low sensitivities
GHG Prices**	GHG Allowance Prices	High/low sensitivities
Storage Prices**	Li-Ion, flow, etc.	High/low sensitivities

\*\*Note: Applied to all scenarios