



Strategy 1: Promoting Clean Electricity

Play 1.1	Promote 100% clean electricity	2030 Target: 100% participation in clean electricity 2045 Target: 100% participation in clean electricity
Play 1.2	Increase local solar photovoltaics	2030 Target: 3% of load from local solar 2045 Target: 5% of load from local solar
Play 1.3	Increase distributed electricity storage	2030 Target: 2% of electricity demand stored in batteries locally 2045 Target: 5% of electricity demand stored in batteries locally



Strategy 2: Decarbonizing Buildings

Play 2.1	Reduce energy consumption in existing buildings	2030 Target: 5% of existing homes and businesses receive deep energy retrofit 2045 Target: 30% of existing homes and businesses receive deep energy retrofit
Play 2.2	Support electrification of existing buildings	2030 Target: 44% reduction in residential and 38% reduction in commercial natural gas use 2045 Target: 92% reduction in residential and 86% reduction in commercial natural gas use
Play 2.3	Achieve all-electric new construction	2030 Target: 100% all-electric new buildings 2045 Target: 100% all-electric new buildings



Strategy 3: Decarbonizing Transportation & Sustainable Land Use

Play 3.1	Increase opportunities for and encourage development of mixed-use sites to reduce vehicle miles per person	2030 Target: 20% reduction in vehicle miles per person 2045 Target: 30% reduction in vehicle miles per person
Play 3.2	Increase transportation options and support shared mobility	
Play 3.3	Increase zero-emission vehicles	2030 Target: 42% of all vehicles on road are zero-emission vehicles 2045 Target: 90% of all vehicles on road are zero-emission vehicles
Play 3.4	Decarbonize off-road equipment and vehicles	2030 Target: 30% of off-road equipment and vehicles are zero-emission 2045 Target: 75% of off-road equipment and vehicles are zero emission



Strategy 4: Managing Resources Sustainably

Play 4.1	Achieve Zero Waste goals for solid waste	2030 Target: Reduce landfilled garbage to 1 lb per person per day and achieve 75% diversion of landfilled organics 2045 Target: Reduce landfilled garbage to <1 lb per person per day and achieve 75% diversion of landfilled organics
Play 4.2	Ensure resilience of water supply	Targets will be defined as per state requirement
Play 4.3	Enhance natural carbon sequestration capacity	Supports broader net carbon reductions
Play 4.4	Promote awareness of sustainable goods and services	Supports broader emissions reductions



Strategy 5: Empowering Our Community

Play 5.1	Enhance community awareness and engagement	Supports all other Plays
Play 5.2	Track and share data and tools	Supports all other Plays



Strategy 6: Adapting to a Changing Climate

Play 6.1	Assess climate vulnerabilities for Sunnyvale	
Play 6.2	Protect shoreline area from sea level rise and coastal flooding	
Play 6.3	Strengthen community resiliency	