




INTEGRATED ENERGY POLICY REPORT  
**2013 IEPR**



**CALIFORNIA ENERGY COMMISSION**  
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**Table 6: Comparison of Statewide Energy Demand Scenarios**

Source: California Energy Commission

	Consumption (GWh)			
	CED 2011 Mid Energy Demand	CED 2013 Final High Energy Demand	CED 2013 Final Mid Energy Demand	CED 2013 Final Low Energy Demand
1990	227,586	227,576	227,576	227,576
2000	261,381	260,399	260,399	260,399
2012	281,347	280,561	280,561	280,561
2015	291,965	291,307	287,104	280,314
2020	310,210	316,874	305,218	294,056
2024	—	337,713	321,734	308,277
Average Annual Growth Rates				
1990–2000	1.39%	1.36%	1.36%	1.36%
2000–2012	0.62%	0.62%	0.62%	0.62%
2012–2015	1.24%	1.26%	0.77%	-0.03%
2012–2022	1.20%	1.56%	1.12%	0.72%
2012–2024	—	1.56%	1.15%	0.79%
	Noncoincident Peak (MW)			
	CED 2011 Mid Energy Demand	CED 2013 Final High Energy Demand	CED 2013 Final Mid Energy Demand	CED 2013 Final Low Energy Demand
1990	47,546	47,543	47,543	47,543
2000	53,700	53,702	53,702	53,702
2012	—	59,931	59,931	59,931
2012*	61,796	59,811	59,811	59,811
2015	65,036	64,941	64,121	61,899
2020	69,418	70,933	68,321	65,029
2024	—	75,153	71,312	67,203
Average Annual Growth Rates				
1990–2000	1.22%	1.23%	1.23%	1.23%
2000–2012	1.18%	0.90%	0.90%	0.90%
2012–2015	1.72%	2.78%	2.35%	1.15%
2012–2022	1.38%	2.03%	1.58%	1.03%
2012–2024	—	1.92%	1.48%	0.98%

Historical values are shaded. Weather normalized: *CED 2013 Final* uses a weather-normalized peak value derived from the actual 2012 peak for calculating growth rates during the forecast period.

to estimate demand for natural gas for electric generation in the state. These natural gas demand projections were used as inputs to the NAMGas model to project natural gas prices.

Natural gas demand by sector is shown in Table 15. Values for 2011 are actual and values for subsequent years are projected. In all cases, demand for the residential sector remains relatively the same as energy efficiency measures are expected to continue to reduce demand in this sector. For all cases, demand in

Reference Case	Million Cubic Feet per Day				% Change 2011–2025
	2011	2015	2020	2025	
Residential	1,352	1,297	1,312	1,333	-1%
Commercial	554	544	574	593	7%
Industrial	1,486	1,478	1,437	1,398	-6%
Transportation	42	40	40	42	0%
Power Gen	2,180	2,670	2,204	2,157	-1%
EOR/Cogen	124	123	117	115	-7%
<b>Total</b>	<b>5,738</b>	<b>6,152</b>	<b>5,684</b>	<b>5,639</b>	<b>-2%</b>
<b>Low Demand/High Price Case</b>					
Residential	1,352	1,273	1,311	1,346	0%
Commercial	554	530	556	582	5%
Industrial	1,486	1,382	1,363	1,340	-11%
Transportation	42	38	37	39	-8%
Power Gen	2,180	2,446	1,825	1,616	-35%
EOR/Cogen	124	116	111	107	-15%
<b>Total</b>	<b>5,738</b>	<b>5,786</b>	<b>5,203</b>	<b>5,030</b>	<b>-14%</b>
<b>High Demand/Low Price Case</b>					
Residential	1,352	1,297	1,312	1,328	-2%
Commercial	554	549	579	593	7%
Industrial	1,486	1,491	1,447	1,408	-5%
Transportation	42	40	42	45	6%
Power Gen	2,180	3,026	2,895	2,864	31%
EOR/Cogen	124	157	158	166	34%
<b>Total</b>	<b>5165</b>	<b>6,561</b>	<b>6,433</b>	<b>6,404</b>	<b>12%</b>

**Table 15: Actual (2011) and Modeled Natural Gas Demand for All Sectors in California**

Source: Energy Commission.