









		1990	
Sector	2004	(2020 goal)	2050 goal
Agriculture	27.9	23.4	4.7
Commercial	12.8	14.4	2.9
Electricity generation	119.8	110.6	22.1
in-state	58.5	49	9.8
imports	61.3	61.6	12.3
Industrial	96.2	103	20.6
cement	9.8	8.1	1.6
landfills	5.6	6.3	1.3
petroleum refining	34.9	32.8	6.6
Residential	29.1	29.7	5.9
Transportation	182.4	150.7	30.1
Forestry	0.2	0.2	0.0

fuels 2050 vision n	noves 70°	% to biofu	els, hydr	ogen,
and electricity grid				
	Today	A P1007	Interim	Vision in
Parameter	2005	2022	2030	2050
Per capita VMT/vr	8.600	8,900	8.600	8.200
Vehicle Mix (millions)	0,000	0,200	0,000	0,200
Gas/diesel	25	20	10	5
FFVs	0.3	5	11	7
FCVs & PHEVs		2	11	28
Fleet Avg. MPG	20	26	36	66
Transportation Fuel (BGGE)	16	15	13	7
GHG Emissions (MMT CO2)	134	120	74	23
Fuel Carbon Intensity	0.99	0.89	0.73	0.38
Fuel Mix (% of total energy)				
Gas + Diesel	96%	80%	50%	30%
Biofuels	4%	16%	38%	30%
Electricity + Hydrogen	0	4%	12%	40%
Source: ARB State Alternative Fuels Plan,	November, 2007 C	EC-600-2007-011-CI	MD	+

















## 3. Early In-State Opportunities: Offset CCS Cost Through Advancing CO<sub>2</sub>-EOR Opportunities

Types of Oil Field Storage Reservoirs	Number of Fields	Estimated Total Storage Capacity (MMT CO <sub>2</sub> )
Oil fields with CO <sub>2</sub> storage potential	176	3,563
Oil fields with miscible CO <sub>2</sub> -EOR potential	121	3,186
Oil fields with immiscible CO <sub>2</sub> -EOR potential	18	178
Oil fields with CO <sub>2</sub> storage capacity but no EOR potential (fields lacking API data also included)	37	199

80% of large emissions sources are within 30 miles (50 km) of a potential EOR site

Parameters—pipeline infrastructure, regulatory ambiguities, etc.

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West Coast Regional Carbon Sequestration Partnership







