

2011 California Vehicle Stock Estimates for the 2013 IEPR

Inputs and Methods for the 2013
Transportation Energy Demand Forecast
Hearing Room A

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California Energy Commission

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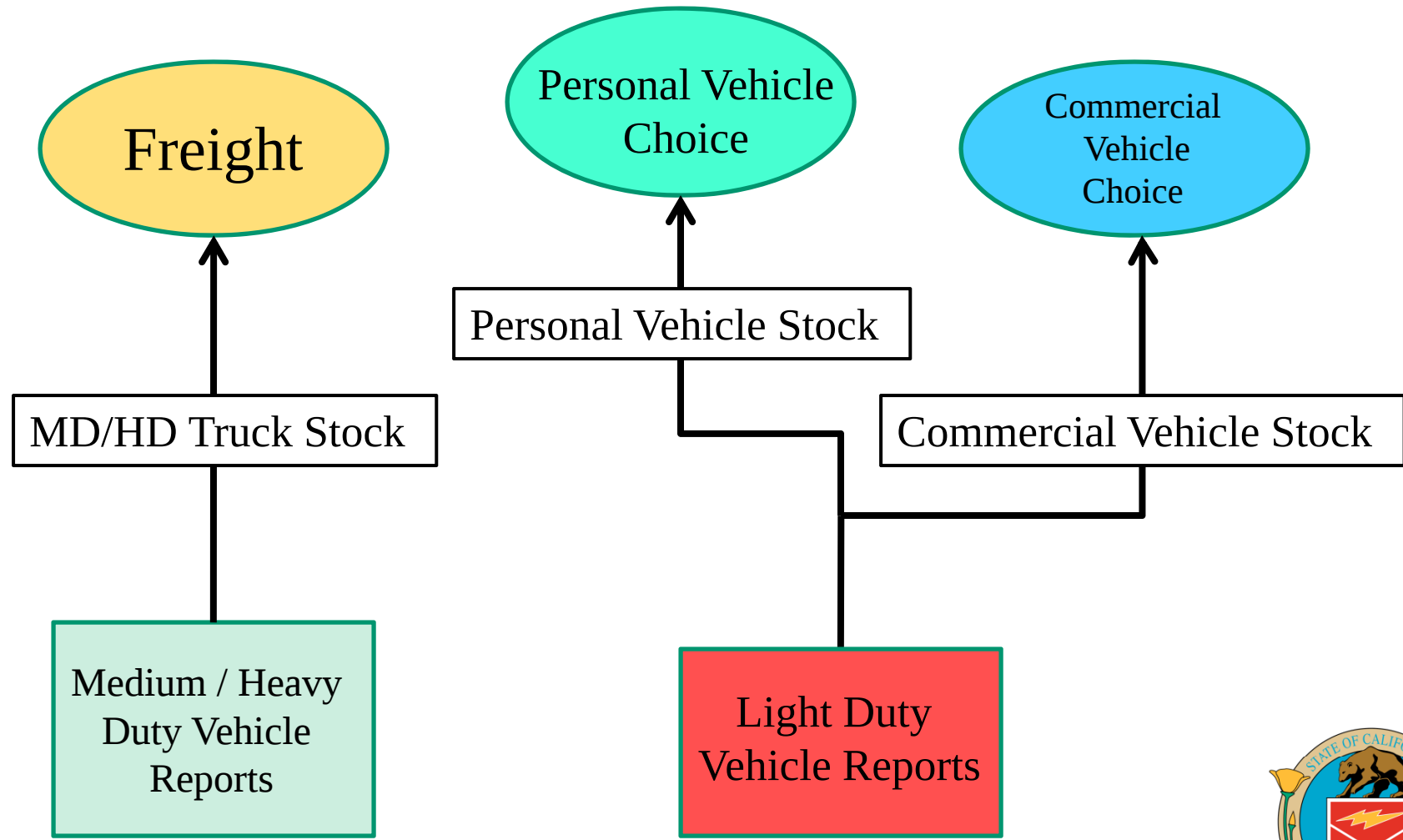


DMV Vehicle Registration Data

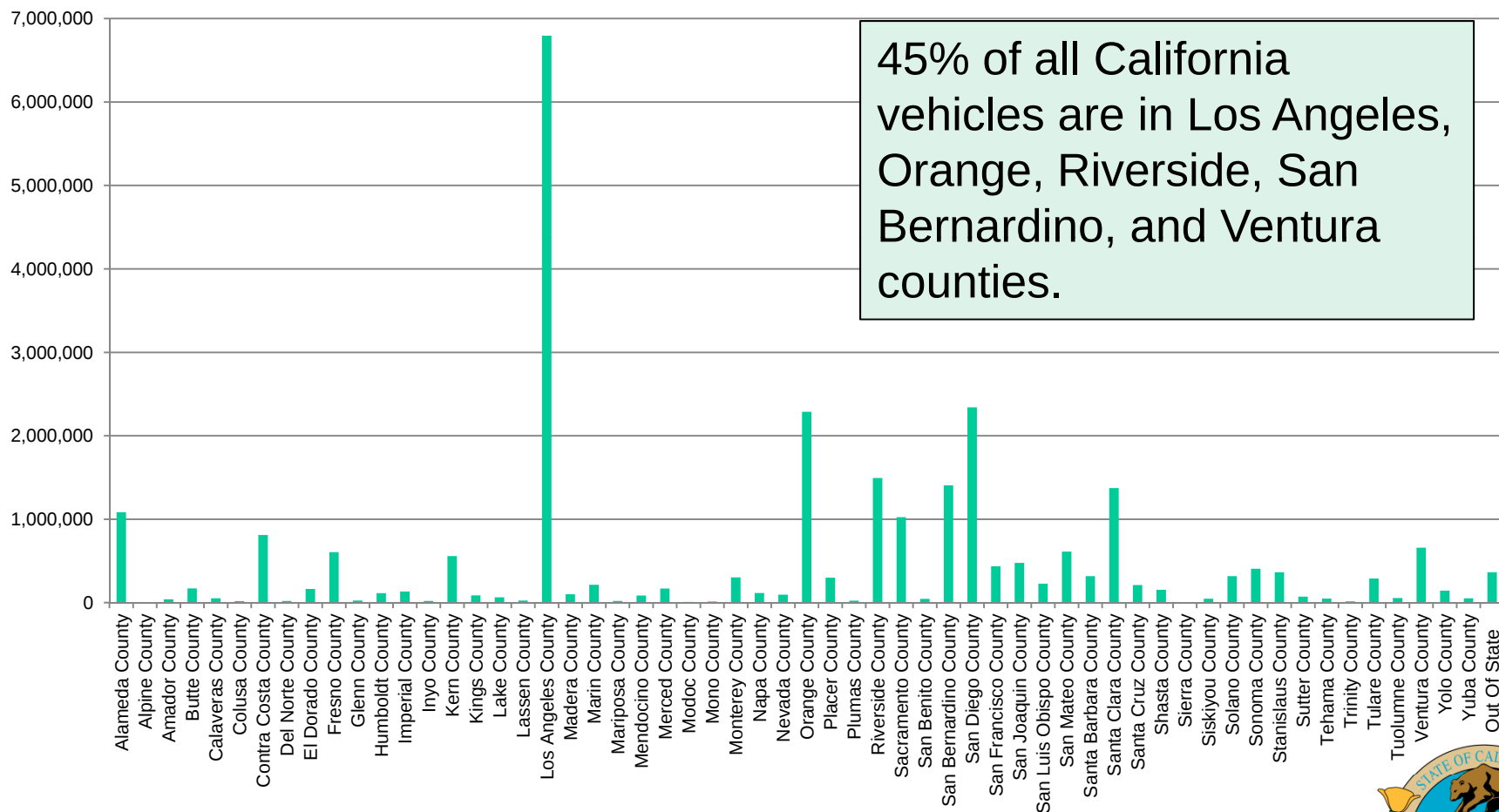
- Twice a year, the Department of Motor Vehicles (DMV) provides the Energy Commission with a shortened copy of their Vehicle Registration (VR) Database for the purpose of vehicle population analysis
- Record status codes are the basis of DMV reports on vehicle counts, while the Energy Commission uses Expiration Date to determine a vehicle's registration status
- Energy Commission staff perform several different types of analytical studies with the data including: registered on-road vehicle counts, vehicle fuel type distributions, ownership type distributions, base information for vehicle preference surveys, etc.
- This work has occurred at the Energy Commission for the past 20 years
- Any published information that comes from this work requires DMV approval before publishing



Primary Use of DMV VR Information



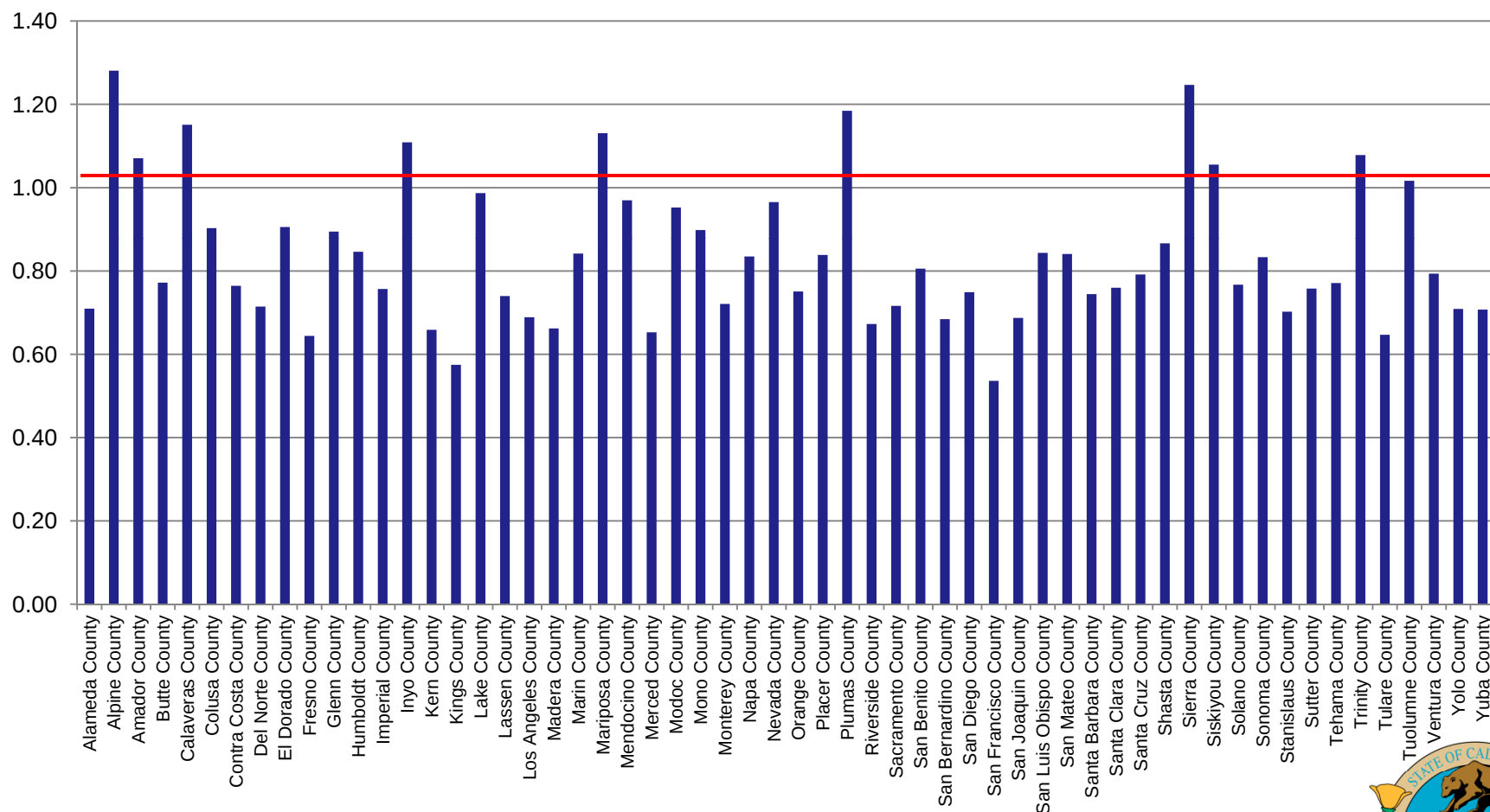
Number of Vehicles by County - 2011



Source: Energy Commission and DMV



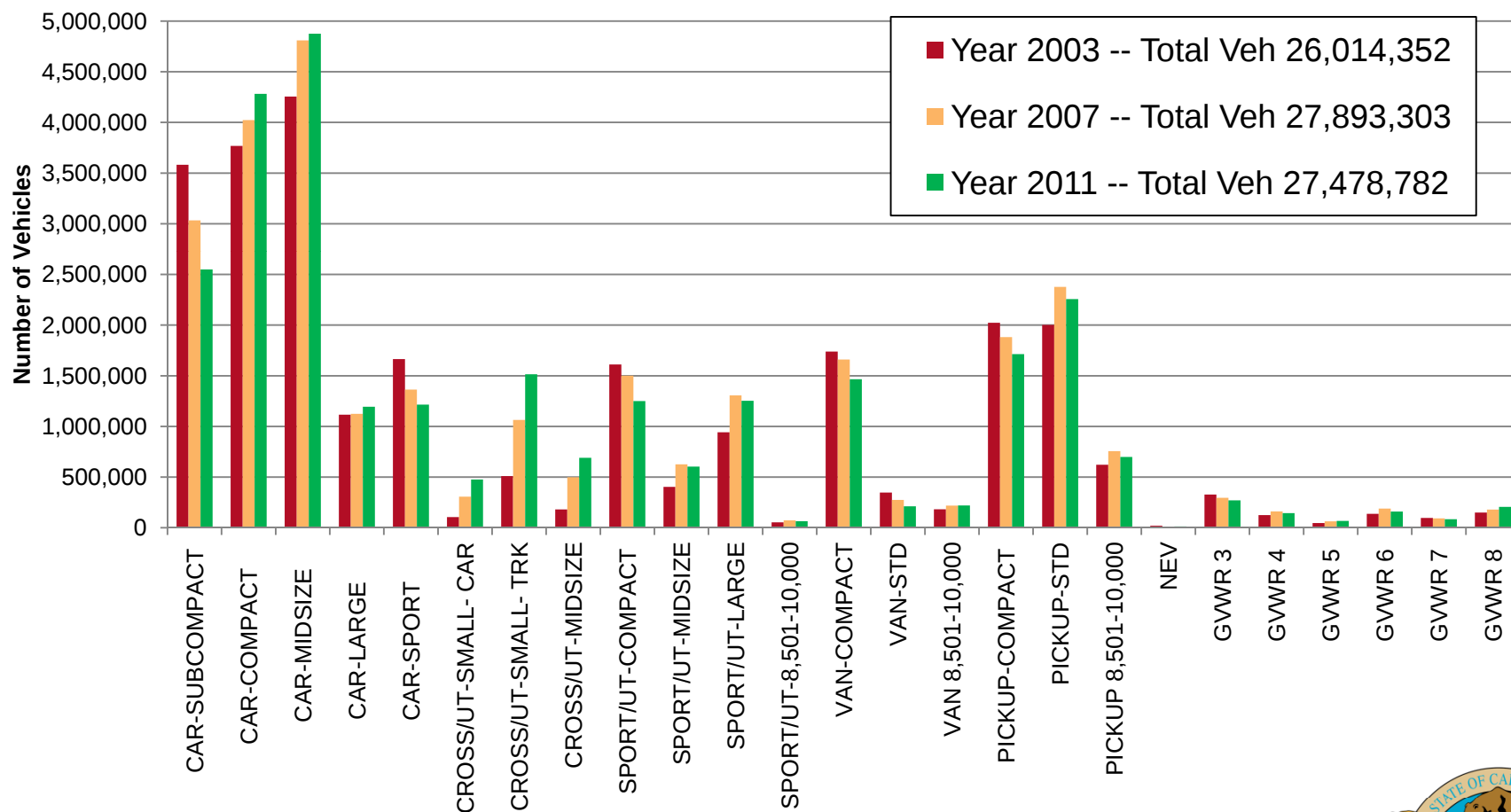
Vehicles per Person by California County 2011



Source: Energy Commission and DMV



California Vehicle Class Estimates

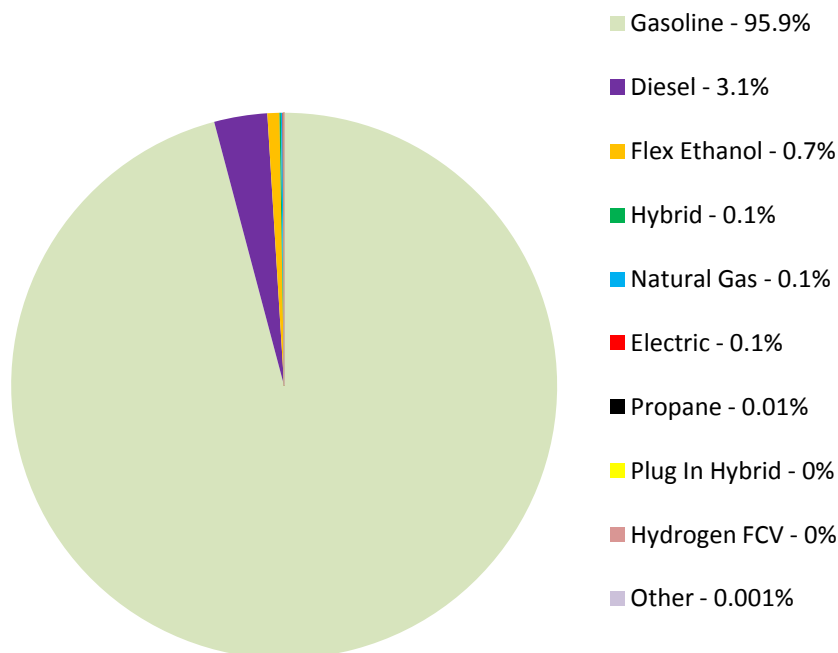


Source: Energy Commission and DMV

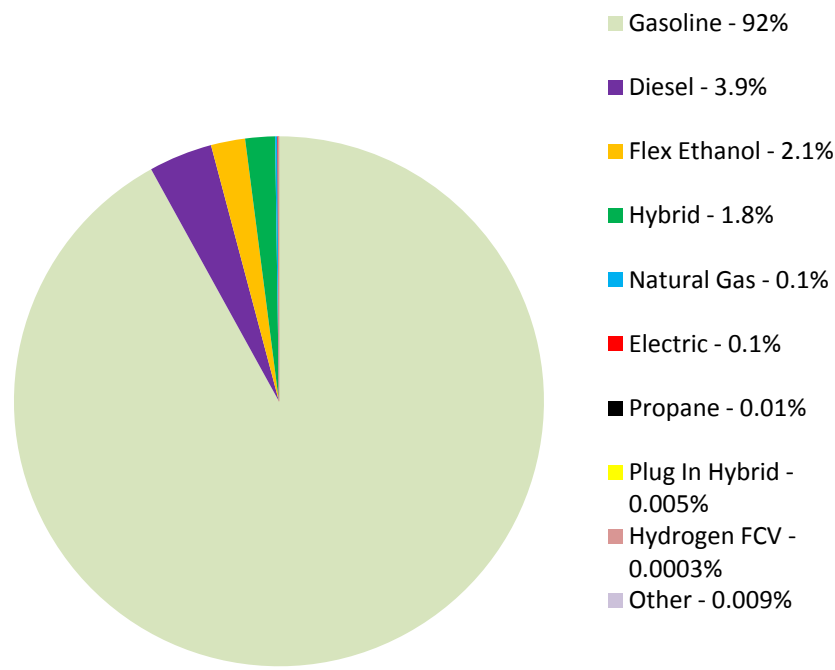


Fuel Type Estimates of CA Total Vehicle Stock 2003 & 2011

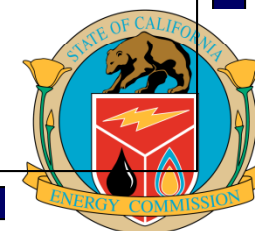
Percent of Fleet by Fuel Type -
2003



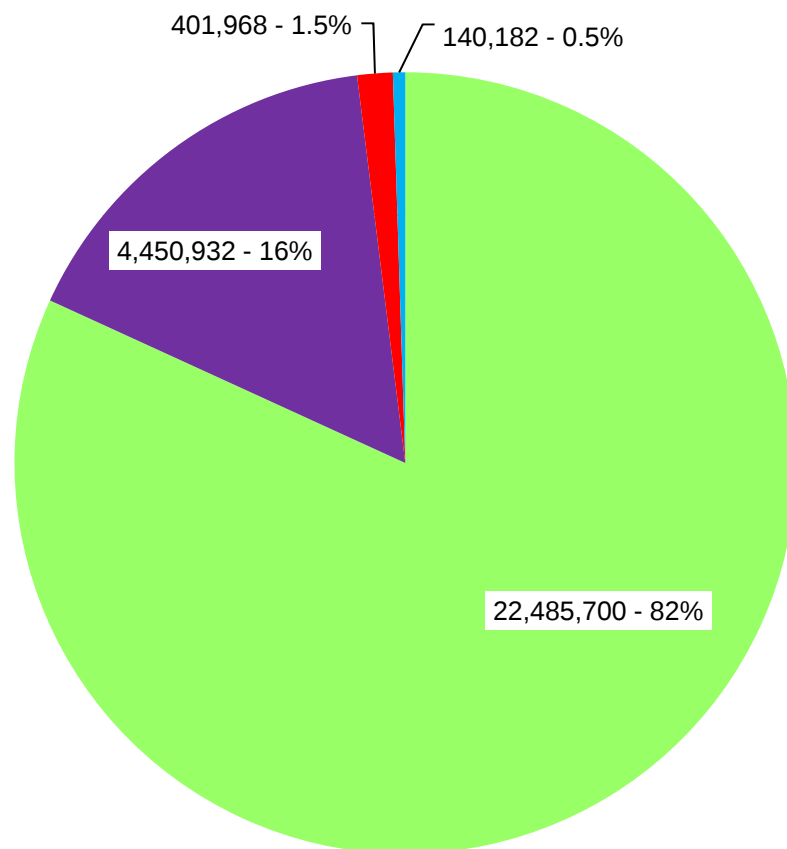
Percent of Fleet by Fuel Type -
2011



Source: Energy Commission and DMV



2011 California Vehicle Stock by Ownership Type



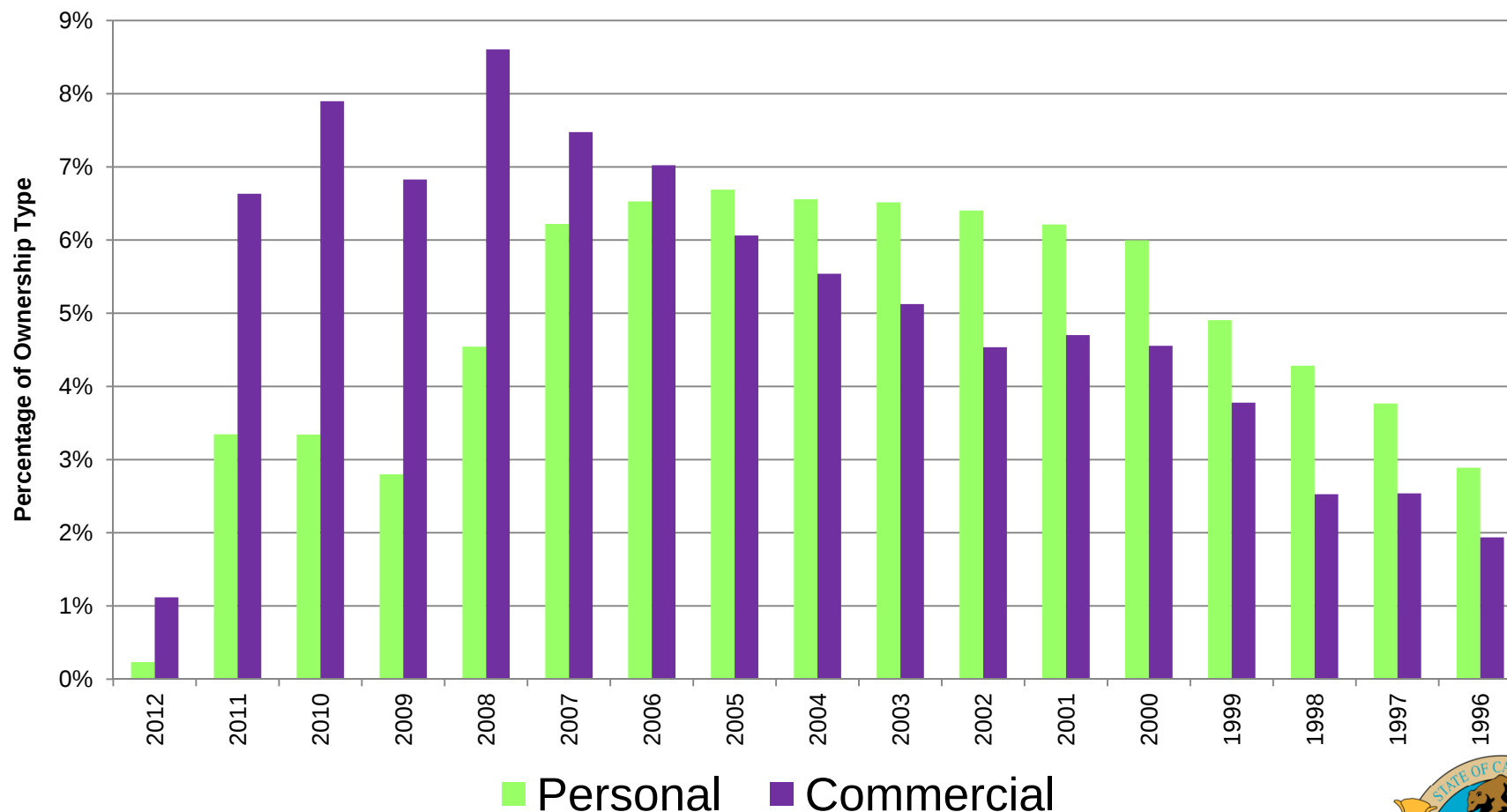
Number and Percent of Vehicles by Ownership Type

- Personal
- Commercial
- Government (Federal, State, & Local)
- Daily Rental

Source: Energy Commission and DMV



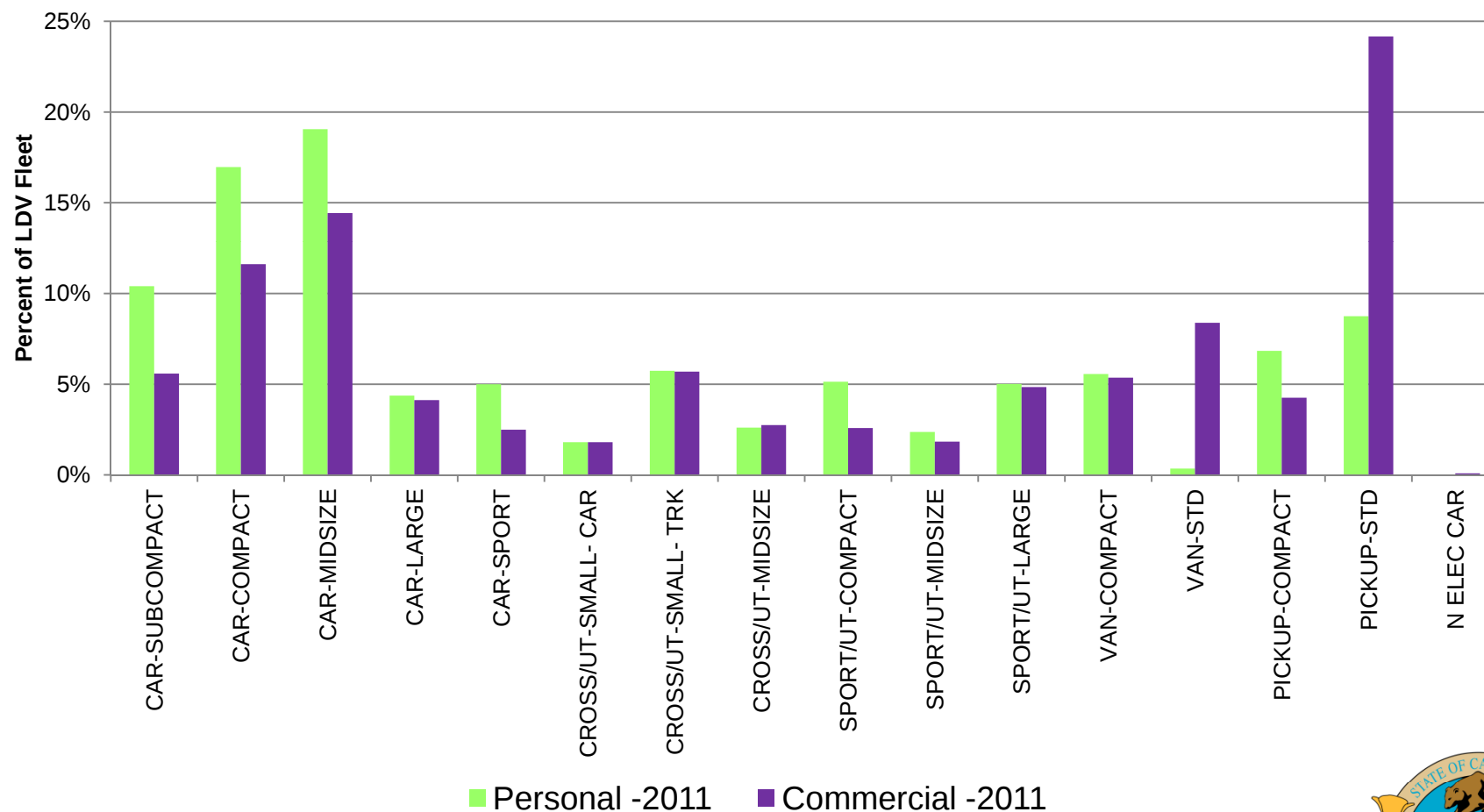
2011 Vehicle Stock Distribution by Model Year and Ownership Segment



Source: Energy Commission and DMV



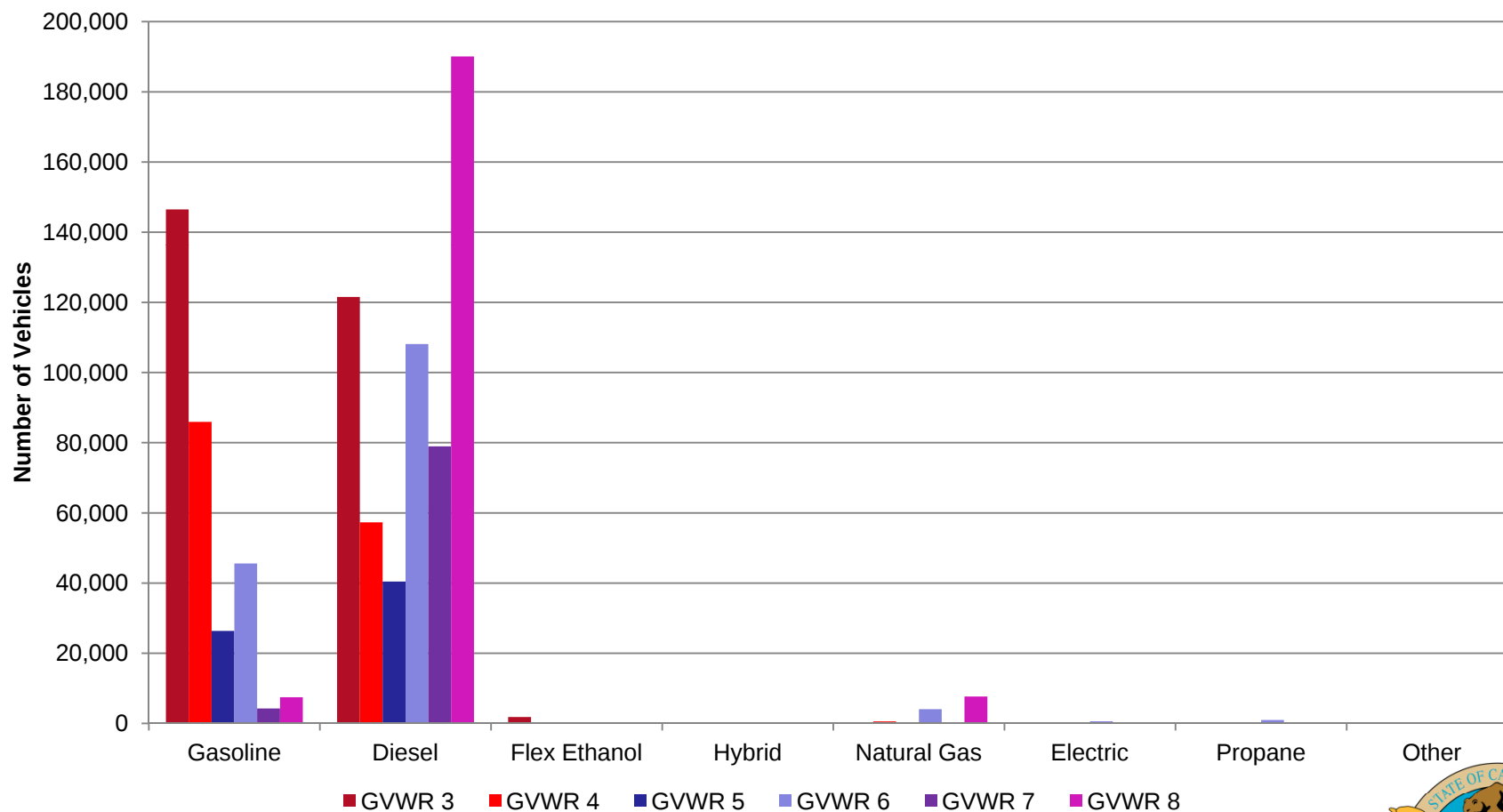
2011 Light Duty Vehicle Stock Distribution by Class and Ownership Segment



Source: Energy Commission and DMV



2011 Medium and Heavy Duty Vehicle Stock Distribution by Class and Fuel Type



Source: Energy Commission and DMV



California 2011 Vehicle Stock by Class and Fuel Type

	GASOLINE	DIESEL	FLEX ETHANOL	HYBRID	NATURAL GAS	ELECTRIC	PROPANE	PHEV	HYDROGEN FCV	OTHER
CAR-SUBCOMPACT	2,514,358	15,881	702	15,606	1,480	276	46	0	37	80
CAR-COMPACT	4,132,040	43,682	17,484	73,571	13,260	222	61	1,312	13	38
CAR-MIDSIZE	4,468,899	12,751	59,511	328,363	423	3,579	52	0	0	2,184
CAR-LARGE	1,153,071	2,109	36,611	1,323	1,253	97	45	0	0	18
CAR-SPORT	1,213,126	8	1,906	0	27	554	22	0	0	17
CROSS/UT-SMALL- CAR	457,371	1,817	16,407	70	12	0	3	0	0	1
CROSS/UT-SMALL- TRK	1,463,370	4,616	19,048	26,822	27	601	22	0	0	10
CROSS/UT-MIDSIZE	641,753	1,351	0	47,209	14	0	2	0	45	2
SPORT/UT-COMPACT	1,249,101	6	385	0	44	0	26	0	0	17
SPORT/UT-MIDSIZE	557,349	2,770	43,865	318	8	6	14	0	0	6
SPORT/UT-LARGE	1,128,935	2,481	119,455	2,609	14	2	20	0	0	10
SPORT/UT-8,501-10,000	53,394	10,570	425	0	7	0	0	0	0	0
VAN-COMPACT	1,399,121	349	66,108	0	90	39	13	0	0	12
VAN-STD	209,077	440	1,299	0	714	4	130	0	0	2
VAN 8,501-10,000	188,198	23,811	4,980	0	3,043	1	44	0	0	1
PICKUP-COMPACT	1,640,620	2,103	69,637	0	40	404	64	0	0	9
PICKUP-STD	2,140,893	5,171	107,283	649	2,461	16	353	0	0	25
PICKUP 8,501-10,000	349,186	341,669	6,852	0	1,146	2	105	0	0	4
NEIGHBORHOOD ELECTRIC CAR	0	0	0	0	0	13,288	0	0	0	0
GVWR 3	146,500	121,534	1,816	0	228	90	144	0	0	3
GVWR 4	85,916	57,317	338	0	569	158	200	0	0	3
GVWR 5	26,359	40,449	0	0	106	0	80	0	0	2
GVWR 6	45,601	108,117	230	0	4,072	602	975	0	0	77
GVWR 7	4,271	78,971	0	0	299	5	252	0	0	2
GVWR 8	7,481	190,098	6	95	7,653	21	171	0	0	7

Source: Energy Commission and DMV

