

Item 5: Information Item - Update on Data Visualization and Exploration Tools

January 24, 2024 Business Meeting

Jason Harville, Director of Enterprise Data and Analytics Enterprise Data and Analytics Office



- Explore CEC data directly from our website
- Faster, more detailed, more up-to-date access to CEC data
- Significantly reduced staff time and resources spent on data requests





Data visualization and exploration tools provide interactive access to CEC data and insights.

- CEC-wide Tableau rollout in Dec 2022.
- GIS applications developed in coordination with our GIS unit.
- All tools available via the Data Exploration Tools page on our public website.

LIGHT-DUTY ZEV								TOTAL LIGHT-DUTY				
CUMU	Α	ANNUAL SALES				ANNUAL SALES						
Sales through 2022: Q1-Q2			Sa	Sales in 2022: Q1-Q2				Sales in 2022: Q1-Q2				
1,214,516				160,421				973,540				
BEV	PHEV	FCEV	BEV		PHEV	FCEV		ZEV Sa	les s	Share	\bigcirc	
794,370	406,451	13,695	131,35	3 2	7,326	1,739		16.	48 %	6	Market Share	
			Fuel				mber of New	ber of New ZEV Sales				
1			BEV		≥ 200 miles < 200 miles	4,071		127,28	U	Year 2022: Q1-Q	2 •	
				PHEV 27,32			326			Map Filter	r	
			FCE	V		1,739				County	•	
									0	County		
			Mak		Model	E.	Number of N	lew ZEV Sales	. [(All)	•	
			Tes	а	Model Y Model 3			44,080 43,692	î	Fuel Type		
					Model S Model X		5,922				•	
							4,328			Make		
			Toy	ota	Prius Prime RAV4 Prime		3,162 2,607			(AII)	•	
					Mirai bZ4X		1,257	1,257 34				
							84					
				ndai	Kona EV Santa Fe PHEV Tucson PHEV		4,080 748					
							685					
							532				CALIFORA	
		7		IONIQ PHEV NEXO IONIQ Electric		428 260			E .	R F		
© Mapbox © OSM						17						
Number of Vehicles				SONATA PHEV		PHEV	10)v		ENERGY	COMMISSION	
2			43,684									

For additional information about the data and how to cite this visualization, see the <u>dashboard</u>.

This tool and more can be found at https://www.energy.ca.gov/data-reports/data-exploration-tools



- ~40 visualizations live or in the works.
- Commission-wide data and analytics training available via DataCamp.
 - > 400 hrs of training since Christmas
- New Data Visualization Specialist starts next week.
- New Data Engineering Unit being formed in IT.

Data Visualization and Exploration Tools

Public Website	30
In Development	4
Prototyping	>5



- 20 new visualization and exploration tools.
- Refine existing processes and training.
- Explore additional public-facing technologies.
- Build out data pipelines for existing tools.

