DOCKETED	
Docket Number:	22-BUSMTG-01
Project Title:	Business Meeting Agendas, Transcripts, Minutes, and Public Comments
TN #:	246458
Document Title:	Presentation - Item 05 Energy Data Modernization
Description:	Presentation slides for Item 05.
Filer:	Jason Harville
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	10/11/2022 12:27:49 PM
Docketed Date:	10/11/2022



## **Item 5: Energy Data Modernization**

October 12, 2022 Business Meeting

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



- Supports energy and climate goals
- Maximize use of CEC data and analytics
- >90% cost savings





- New data collection authority under Title 20, Section 1353
- Opportunities to modernize

   New, centralized data office
   Cloud-based infrastructure
   Policy and governance
   Data sharing







- Receiving 1353 data
- Terabyte scale
- ~2 Trillion records

Data-driven climate goals Maximizing CEC data and analytics



- Big cloud computing
- Single source of truth



## Significant cost savings More accurate, faster data





	1
Data Submission Portal	
SIGN UP FOR AN ACCOUNT	

- Web-based
- Consistent experience
- Automation

## CEC cost savings Stakeholder usability, time savings



- Interactive, online visualizations
- Always up-to-date

LIGH	TOTAL LIG	HT-DUTY			
CUMULATIVE SALE	S AN	INUAL SAL	ES	ANNUAL SALES	
Sales through 2022: Q1-0	2 Sale	es in 2022: Q1	-Q2	Sales in 2022: Q1-Q2	
1,214,516		160,421		973,540	
BEV PHEV FCI 794,370 406,451 13,6		PHEV 27,326	FCEV 1,739	ZEV Sale 16.4	s Share
12	Fuel T BEV PHEV FCEV	≥ 200 miles < 200 miles		nber of New ZEV Sales 127,285 26	SELECT FILTER Year 2022: 01-02 Map Filter County
	Make Tesla	Model Y Model 3 Model S		Number of New ZEV Sales 44,080 5,922	County (All) Fuel Type (All)
	Toyot	Model X ta Prius Prir RAV4 Pri Mirai b74X	ne me	4,328 3,162 2,607 1,257 84	Make (All)
© Mapbox © 05M	Hyun		PHEV PHEV	4,080 748 885 532 428 260 17 10	STUE OF CALIFORN

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

Direct public access Cost and time savings





- Secure, flexible, efficient
- Energy data hub for CA

## CEC cost savings Good, efficient government



- 1) Grow Energy Data and Analytics Office
- 2) Move core data to cloud
- 3) Expand data sharing





• **Data Sharing:** What to prioritize and methods for maximizing sharing while protecting privacy?

• Data Analysis: What analyses and tools would best facilitate research, markets, and public access?