DOCKETED

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Item 5: Energy Data Modernization

October 12, 2022 Business Meeting

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

Benefits to Californians

- Supports energy and climate goals

- Maximize use of CEC data and analytics

- **>90%** cost savings

Path to Modernization

- New data collection authority under Title 20, Section 1353

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

Data Collection

- Receiving 1353 data

- Terabyte scale

- ~2 Trillion records

Data-driven climate goals
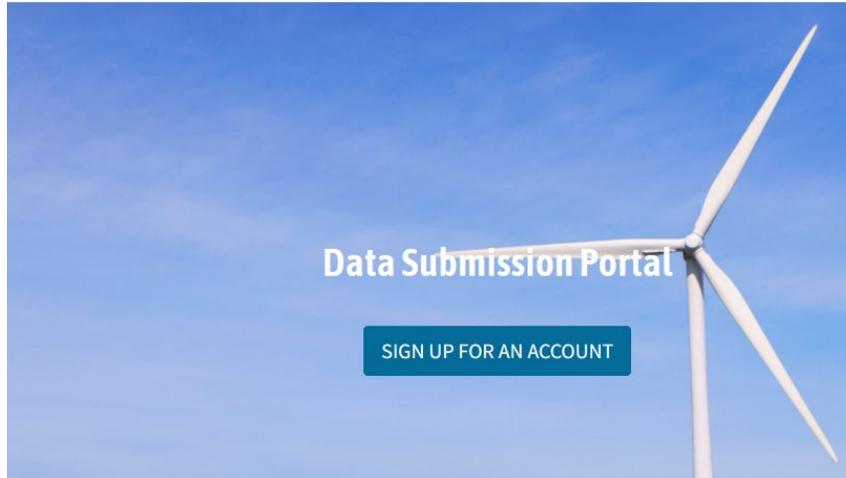Maximizing CEC data and analytics

Data Warehouse

- Big cloud computing

- Single source of truth

Significant cost savings
More accurate, faster data
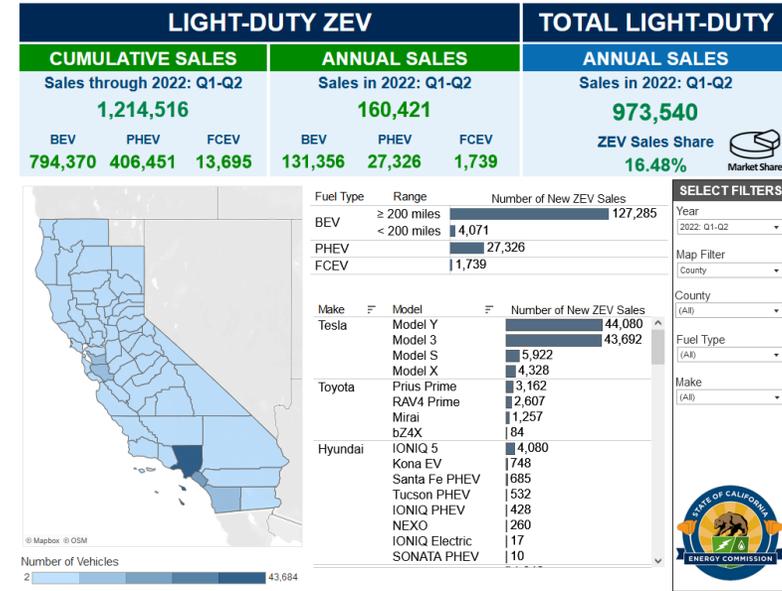
Data Submission Portal

- Web-based

- Consistent experience

- Automation

CEC cost savings
Stakeholder usability, time savings

Tableau

- Interactive, online visualizations

- Always up-to-date

Direct public access
Cost and time savings

Data Sharing

- Secure, flexible, efficient

- Energy data hub for CA

CEC cost savings
Good, efficient government

Next Steps

1) Grow Energy Data and Analytics Office

2) Move core data to cloud

3) Expand data sharing

November Workshop Panels

- **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?