DOCKETED	
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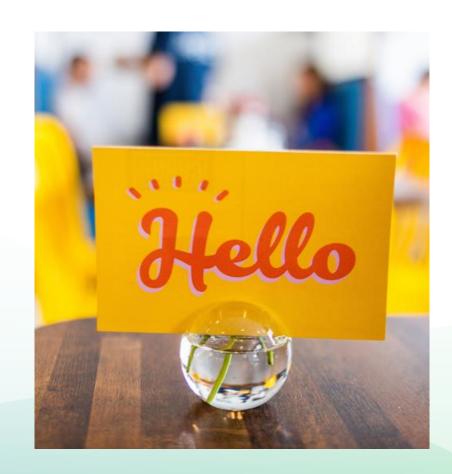
The Workshop Will Start Shortly

January 13, 2023 California Energy Commission



## Introduction Jason Harville, CEC

- Remote Access
- Q&A Enabled for Asking Questions & Upvoting
- Public Comments
  - At the End of the Workshop
  - Written Comments by January 27, 2023





#### **Opening Comments**

- Siva Gunda, Vice Chair
- J. Andrew McAllister, Commissioner



- 1. Context and Data Capabilities
- Jason Harville, CEC



#### New Data Collection Authority (Title 20, Section 1353)

- Covers 6 largest gas and electric utilities.
- Billing and interval-level meter data from all retail meters.
- Associated meter, account, and premise data, including
  - Address
  - Rate schedule and NAICS
  - EE, NEM, and other program participation
- Currently 10s of Terabytes, over 2 trillion records





#### **Data Modernization**

- Moved to cloud-based infrastructure in Amazon Web Services (AWS)
- Cloud-based data warehousing via Snowflake
- New business intelligence tools, such as Tableau
- Modern data submission via new Data Submission Portal and AWS





#### **Data Sharing Capabilities**



- Bulk file sharing via AWS
- Direct intergovernmental sharing via Snowflake



- Programmatic access via Snowflake or future APIs
- Interactive access and analysis via tools such as Tableau



CEC can now cost-effectively ingest, store, process, and share Terabyte-scale data



#### 2. Panel on Data Sharing

- Moderator: Jason Harville, CEC
- David Rapson, UC Davis
- Fred Taylor-Hochberg, CalCCA
- Michael Murray, Mission:Data
- Carmen Best, Recurve
- Audrey Zibelman, consultant, formerly with Google
- Jason Lally, CA Office of Data Innovation



#### 3. Panel on Data Analysis as a Service

- Moderator: Maggie Deng, CEC
- Bry Dillon, Aveva
- Joe Desmond, California Efficiency + Demand Management Council
- Obadiah Bartholomy, SMUD
- Marc Costa, The Energy Coalition



## **Closing Remarks**

Submit written comments via e-commenting page on CEC website:

- Click on "23-MISC-03 Data Analytics"
- Click on "Submit e-Comments (23-MISC-03)"
- Comments are due January 27, 2023

