

DOCKETED

Docket Number:	22-MISC-03
Project Title:	Energy Data Modernization
TN #:	248392
Document Title:	Commissioner Workshop on Energy Data Modernization and Analytics
Description:	Jason Harville, CEC
Filer:	Raquel Kravitz
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	1/13/2023 9:04:37 AM
Docketed Date:	1/13/2023



Commissioner Workshop on Energy Data Modernization and Analytics

The Workshop Will Start Shortly

January 13, 2023
California Energy Commission



Commissioner Workshop on Energy Data Modernization & Analytics

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





Commissioner Workshop on Energy Data Modernization & Analytics

Opening Comments

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



Commissioner Workshop on Energy Data Modernization & Analytics

1. Context and Data Capabilities

- Jason Harville, CEC



Commissioner Workshop on Energy Data Modernization & Analytics

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





Commissioner Workshop on Energy Data Modernization & Analytics

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





Commissioner Workshop on Energy Data Modernization & Analytics

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



Commissioner Workshop on Energy Data Modernization & Analytics

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



Commissioner Workshop on Energy Data Modernization & Analytics

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**

