

Distribution Forecasting Working Group

Data Sources for Disaggregation and Operational Profiles

Webinar Meeting 4: May 30th 2018



Datasets For Additional Achievable Energy Efficiency

Source	Dataset
CEC	IEPR Forecast
CPUC	Database for Energy Efficiency Resources (DEER) Load Shapes
CPUC	EE Potential and Goals Study
CPUC	Evaluation Measurement & Validation (EM&V) Studies
IOUs	Energy Usage
IOUs	Downstream Historical Installed Savings
IOUs	Coordination with IOU plans and evaluation
IOUs	System Topology
Moody's	New Construction
US Census Bureau	Building Types and North American Industry Classification System (NAICS) codes

*Note this table provides a listing of currently identified datasets. Additional data may be leveraged as applicable/available



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Datasets for Energy Storage

Source	Dataset
CEC	IEPR Forecast
CPUC	Self Generation Incentive Program (SGIP)
IOUs	Energy Usage
IOUs	ES Adoption History
IOUs	ES Adoption History and Metered Output (where available)
IOUs	Procurement via Regulatory Proceedings
IOUs	Results of PV Disaggregation
IOUs	System Topology
IRP	Energy Storage Targets

*This table provides a listing of currently identified datasets. Additional data may be leveraged as applicable/available

Datasets for Electric Vehicles

Source	Dataset
American Community Survey by the U.S. Census Bureau	Demographic and Socio-Economic Data
CEC	IEPR Forecast
Clean Vehicle Rebate Project Center for Sustainable Energy	Survey Results
DMV Data from CEC	EV Registration Data (Discussed as a potential source)
IHS Markit (POLK)	EV Adoption History
IOUs	EV Adoption History and Metered Output (where available)
IOUs	Energy Usage
IOUs	EV Rate Data
IOUs	System Topology and Charging Infrastructure
Moody's	Economic Forecasts
National Renewable Energy Laboratory	2016 California Vehicle Survey and 2017 National Household Travel Survey
POLK Provided by EPRI	EV Adoption History

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Datasets for Solar Photovoltaics

Source	Dataset
American Community Survey by the U.S. Census Bureau	Demographic and Socio-Economic Data
California DGStats Database	PV Adoption History
CEC	IEPR Forecast
Integral Analytics	GIS and Parcel Data
IOUs	PV Adoption History and Metered Output (Where available)
IOUs	Energy Usage
IOUs	Service Accounts and Rate Structure
IOUs	System Topology
National Renewable Energy Laboratory	PV Technical Potential and Profiles
New Solar Homes Partnership	Building Stock Growth Forecast

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Datasets for Load Modifying Demand Response

Source	Dataset
Acxiom	Demographic and Socio-Economic Data
American Community Survey by the U.S. Census Bureau	Demographic and Socio-Economic Data
CEC	IEPR Forecast of LMDR
IOUs	Annual Load Impact Reports/Monthly DR Report
IOUs	Customer Interval Data
IOUs	System Topology
US Census Bureau	North American Industry Classification System (NAICS) codes

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