

2023 Long-Term Load Forecasting Workshop



ESIG

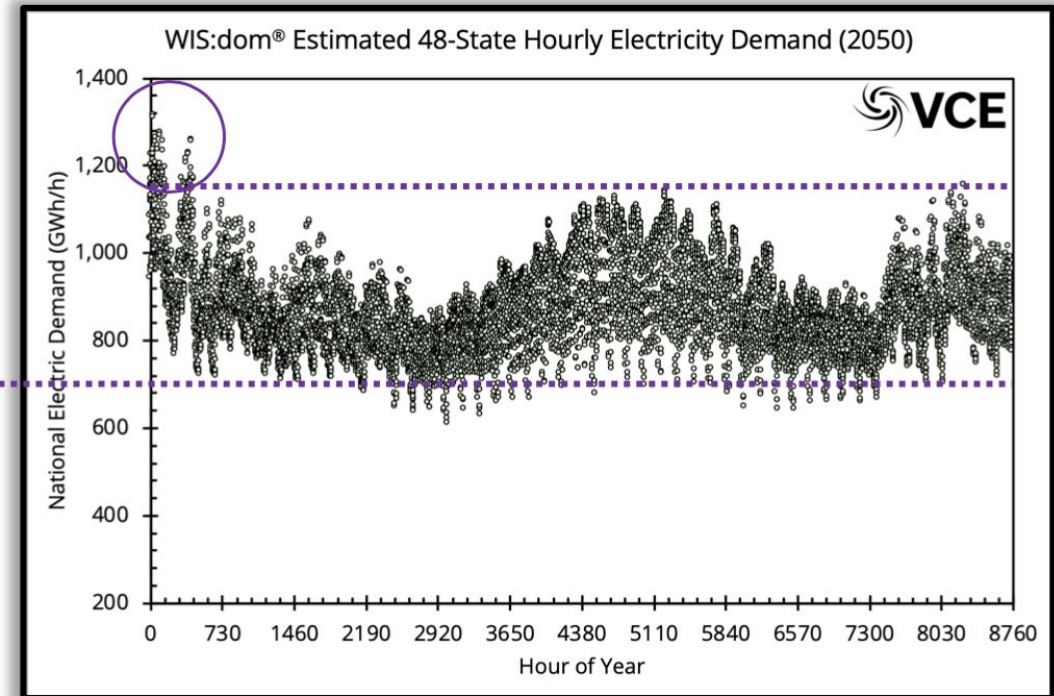
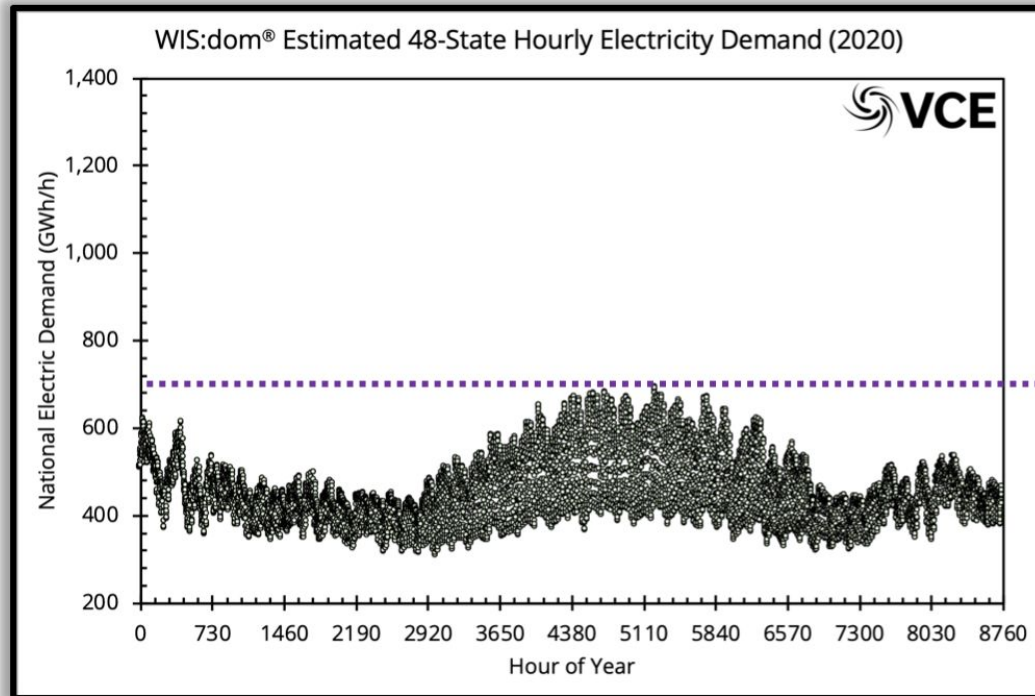
ENERGY SYSTEMS
INTEGRATION GROUP

Debbie Lew

Associate Director, ESIG

June 13, 2023

Load will increase with electrification and may become more variable



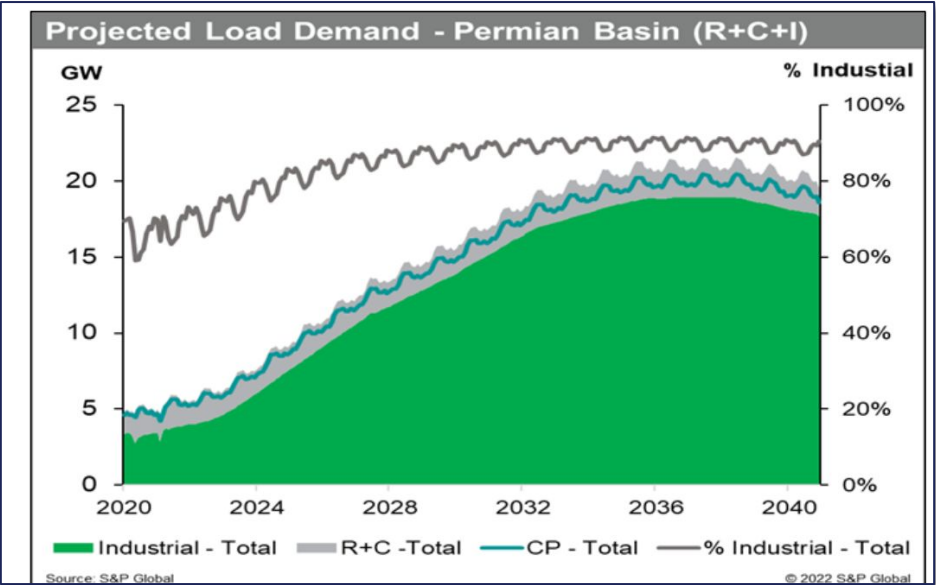
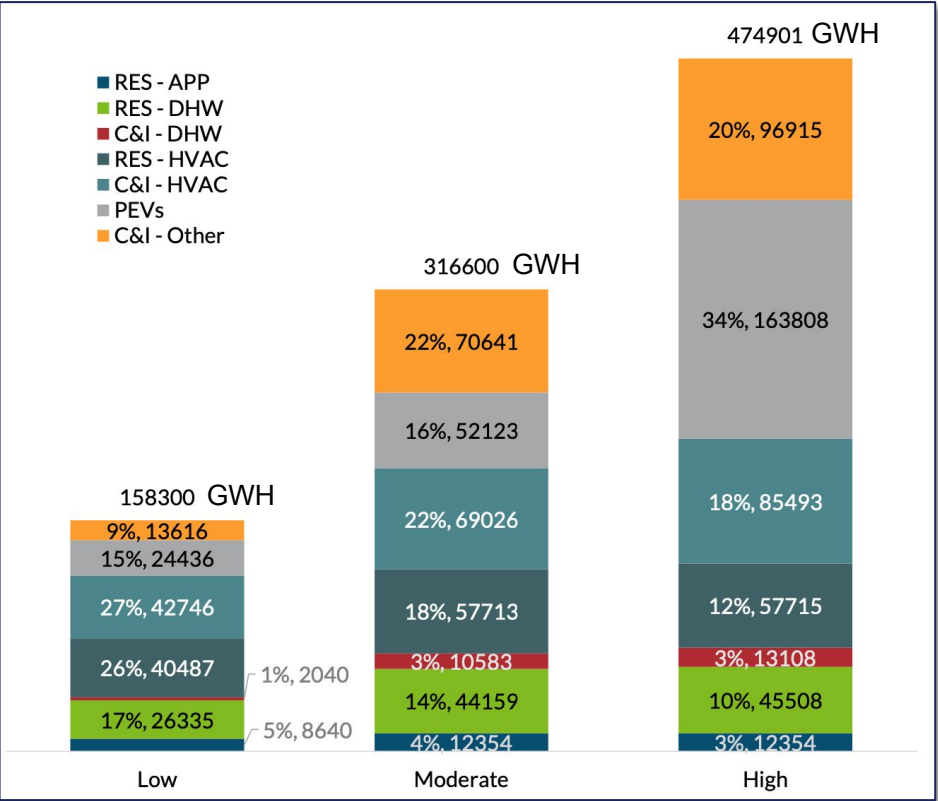
* Before synthetic fuel production

Electrification and other load growth



61

Gigascale production Renewable H₂ projects >1 gigawatt, low-carbon H₂ projects >200 kilotons per annum



Workshop Agenda Overview



Tuesday, June 13th

- Welcome
- Keynote: The Inflation Reduction Act and the Road to Net-Zero
- Introduction to Load Forecasting
- Session 1: Weather and Climate
- Lunch
- Session 2: Transportation Electrification
- Session 3: Flexibility in Future Load
- Networking Reception 6:30 pm – 8:00 pm

Workshop Agenda Overview



Wednesday, June 14th

- Session 4: Industrial Loads and Hydrogen
- Session 5: Building Electrification
- Lunch
- Session 6: Distributed Solar and Storage
- Session 7: Distribution Planning

Thursday, June 15th

- Session 8: Bringing it All Together
- Discussion and Closing Comments

- You can go freely between workshops
- We are recording the presentations. Videos will be posted on our YouTube channel and pdfs will be posted at esig.energy
- We welcome those who are first-timers to this ESIG event!

Upcoming Meetings – 2023 and 2024



2023 Meteorology and Markets Workshop

2023 Load Forecasting Workshop

June 13 – 15, 2023

Denver, CO

2023 Fall Technical Workshop

October 23 - 26, 2023

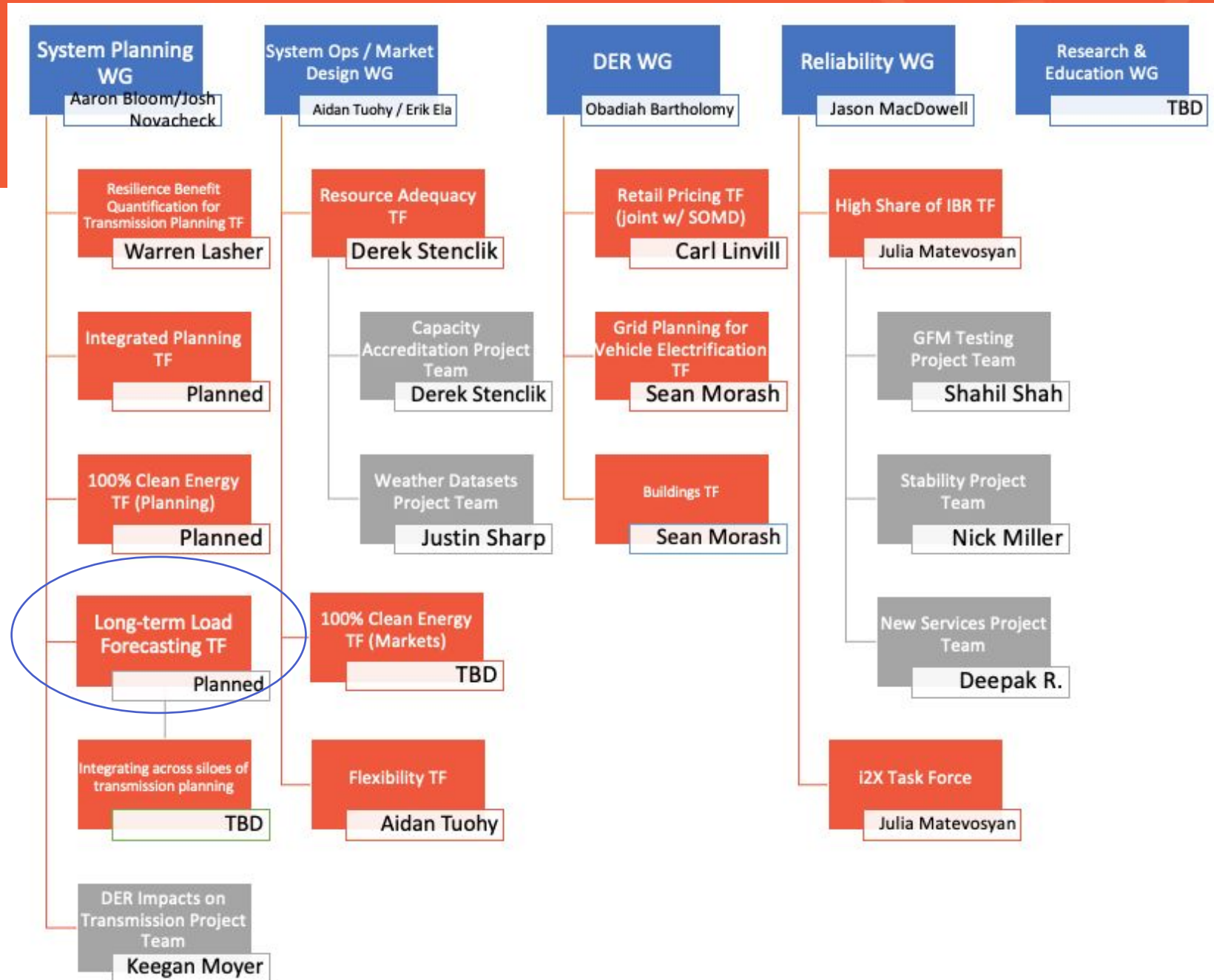
San Diego, CA

2024 Spring Technical Workshop and Annual Meeting

March 25 – 28, 2024

Tucson, AZ

ESIG Working Groups & Task Forces



ESIG User Group Expansion



Operations &
Maintenance

Ninotchka Bosworth & Stanton Peterson

Probabilistic Forecasts in
Planning & Operations

Nitika Mago

GETs

Ken Donohoo

ESIG Disclaimer & Antitrust Compliance Guidelines



Disclaimer: Any information presented at the 2023 Energy Systems Integration Group (ESIG) Spring Technical Workshop is for informational purposes only. ESIG accepts no responsibility for the accuracy of such presentations, or for your reliance on any information contained within the content available through such forums. Discussions represent a wide range of views and interests of the participating individuals and organizations. Statements made during discussions do not necessarily reflect those of ESIG.

Antitrust Guidelines: It is ESIG's policy and practice to obey the antitrust laws and to avoid all conduct that unreasonably restrains competition. The antitrust laws make it important that event participants avoid discussion of topics that could result in charges of anti-competitive behavior, including: restraint of trade and conspiracies to monopolize, unfair or deceptive business acts or practices, price discrimination, division of markets, allocation of production, imposition of boycotts, exclusive dealing arrangements, and any other activity that unreasonably restrains competition.

For additional guidelines, [please click here](#).

ESIG Non-Discrimination / Anti-Harassment



The Energy Systems Integration Group (ESIG) **does not tolerate** discrimination or harassment, which can take many forms, by its staff, members, meeting attendees, guests or other participants in any ESIG activities.

ESIG does not and shall not discriminate on the basis of race, color, religion (creed), gender expression, age, national origin (ancestry), disability, marital status, sexual orientation, or military status, in any of its activities or operations. These activities include, but are not limited to, hiring and firing of staff, selection of volunteers and vendors, and provisions of services. We are committed to providing an inclusive and welcoming environment for all members of our staff, clients, volunteers, subcontractors, vendors and clients.

Harassment is any verbal remark, physical advance or visual display that makes another feel intimidated, offended or belittled. Harassment can be sexual or non-sexual in nature. Sexual harassment may include unwanted advances, inappropriate sexual jokes, sexually suggestive comments, touching, requests for sexual favors or inappropriate comments about another's appearance. Non-sexual harassment may include offensive comments, jokes or pictures related to race, religion, ethnicity, gender, age or any other protected characteristic. To keep harassment out of ESIG's environment, all comments and actions must always be appropriate and respectful.



THANK YOU

Debbie Lew

Associate Director

debbie@esig.energy