

# Technical Advisory Council (TAC) Overview

December 2024



# LF Energy Foundation Overview and Governance



# What is LF Energy?

Linux Foundation Energy (LF Energy) is an **independent, member-funded non-profit** organization whose purpose is to **accelerate the energy transition** through **collaboration** on **open source technologies and standards**.

We are part of the Linux Foundation, the largest shared technology investment in the world.

# Projects

**DLF**ENERGY

## SIG - Digital Substations (3)



## SIG - EV Charging (2)



## SIG - Grid Operations (8)














## SIG - Grid Simulation and Modeling (8)






























## SIG - Data Standards and Tooling (6)



# Project Landscape

Transmission	
Planning	 <b>POWSYBL</b> Transmission Grid Modeling Engine  <b>DynaWo</b> Dynamic Simulation Engine
Operations	 <b>OPERATORFABRIC</b> Control Center Event Visualization and Management  <b>TROLIE</b> Transmission Line Ratings Data Exchange  <b>CONSORTIUM</b> Power Systems Data Exchange  <b>SHAPESHIFTER</b> Aggregator Flexibility
Grid Automation	 <b>CoMPAS</b> IEC 61850 Engineering  <b>SEAPATH</b> Digital Substation Hypervisor
Data / IoT	 <b>FLEDGE POWER</b> Multi-protocol Gateway  <b>GXF</b> IoT Device Management  <b>RTDIP</b> Data Pipelines

Distribution	
Planning	 <b>POWER GRID MODEL</b> Distribution Grid Modeling Engine  <b>OpenSTEF</b> Short-term Forecasting  <b>ARRAS</b> Distribution Grid Modeling Suite  <b>GRID CAPACITY MAP</b> Grid Capacity Analysis and Visualization
Operations	 <b>OPERATORFABRIC</b> Control Center Event Visualization and Management  <b>SOGNO</b> Distribution Management System  <b>openLEADR</b> OpenADR Implementation  <b>SHAPESHIFTER</b> Aggregator Flexibility  <b>POWER GRID MODEL</b> Distribution Grid Modeling Engine
Grid Automation	 <b>CoMPAS</b> IEC 61850 Engineering  <b>SEAPATH</b> Digital Substation Hypervisor
Data / IoT	 <b>FLEDGE POWER</b> Multi-protocol Gateway  <b>GXF</b> IoT Device Management  <b>RTDIP</b> Data Pipelines
Meter	 <b>SAM</b> Next-generation AMI Requirements  <b>OpenSynth</b> Synthetic Meter Data  <b>CONSORTIUM</b> Meter Data Access  <b>OPENEEMETER</b> Measurement and Verification

Behind-the-Meter	
Flexibility	 <b>FlexMeasures</b> Energy Management System  <b>openLEADR</b> OpenADR Implementation
EV Charging	 <b>CitrineOS</b> Charging Station Management System  <b>Everest</b> EV Charger Software
Data / IoT	 <b>FLEDGE POWER</b> Multi-protocol Gateway  <b>GXF</b> IoT Device Management  <b>RTDIP</b> Data Pipelines
Batteries	 <b>Battery Data Alliance</b> Battery Data and Software Standards
Risk Analysis	 <b>covXtreme</b> Extreme Event Modeling

# Members

**LF ENERGY**

## LF Energy Member - Strategic (5) +1



## LF Energy Member - General (22) +1



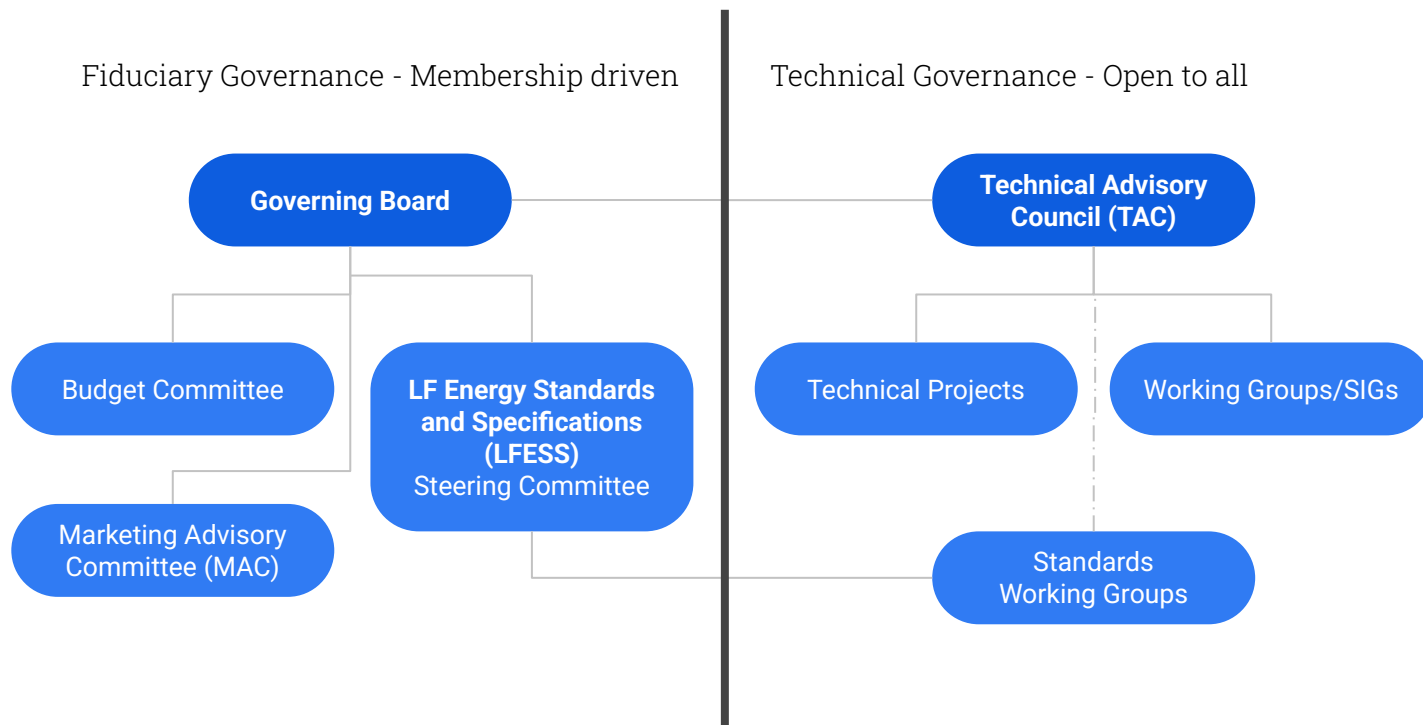
## LF Energy Member - Associate (41) +3



## We're a nonprofit, but not separately incorporated

- The LF Energy Foundation is part of the [the Linux Foundation](#) and is not a separate legal entity
- Therefore, the LF Energy Foundation Governing Board is not a corporate board of directors, and is not subject to corporate law statutes (e.g., those that govern fiduciary duties and how corporate boards of directors must operate)
- The powers and duties of the Governing Board are set forth in the [LF Energy Foundation Charter](#)

# Governance at a Glance





# TAC Responsibilities



# TAC Responsibilities

The TAC's responsibilities include:

- Setting an overall technical vision for the LF Energy Foundation
- Approving new projects and working groups;
- Overseeing the Project Lifecycle;
- Enabling collaboration between projects and working groups;
- Making recommendations to the Budget Committee for any resource needs;
- Voting on other decisions that come before the TAC.

Additional responsibilities are described in [Section 8](#) of the LF Energy Foundation Charter.

# What the TAC is NOT responsible for

- The TAC does **not** manage the day-to-day activities and operations of hosted projects and working groups, such as committer rights, release schedules, and roadmaps.
- The TAC is **not** responsible for overseeing day-to-day operations of LF Energy Foundation. This is the responsibility of the foundation staff.
- The TAC does **not** directly manage the overall budget for the LF Energy Foundation. The TAC makes resource recommendations to the Budget Committee and Governing Board, and provides feedback on the use of those resources.

# TAC Operations



# TAC Composition

- The TAC voting members consist of:
  - One representative appointed from each Strategic member; and
  - One representative appointed by the TSC of each project
- See [Section 8\(b\)](#) of the LF Energy Foundation Charter for more information about composition.
- You can change your representative at any time by making a request at [members.lfenergy.org](https://members.lfenergy.org).

# Technical Advisory Council (TAC) voting representatives

**OLF**ENERGY



**Antonello Monti**  
Chair  
Professor  
RWTH Aachen  
University



**Art Pope**  
Member of  
Technical Staff  
Google LLC



**Boris DOLLEY**  
Director of OSPO  
and Sustainable IT  
Strategy  
RTE (Reseau de  
Transport  
dElectricite)



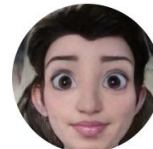
**Bryce Bartmann**  
Chief Digital  
Technology Advisor  
Shell International  
Exploration &  
Production, Inc.



**Jonas van den  
Bogaard**  
Open Source Office  
Lead  
Alliander



**Maarten Mulder**  
PO IoT Field Device  
Platforms  
Alliander



**Sophie Frasnado**  
Software developer  
RTE (Reseau de  
Transport  
dElectricite)



**Travis Sikes**  
Data Science  
Manager  
Recurve



**Yixing Xu**  
Senior Program  
Manager, Energy  
Strategy  
Microsoft  
Corporation

# TAC Chairperson

Annually in December, the TAC will elect a chairperson to serve for the subsequent year.

Duties of the TAC Chairperson include:

- Leading the strategy for setting an overall technical vision for the LF Energy Foundation
- Preparing the agenda for and leading TAC meetings, with the support of the foundation staff ( generally meets with the staff on a regular basis to align on topics and priorities )
- Serving as a voting member of the Governing Board to represent the TAC and larger technical communities.
- Be a spokesperson for the TAC and larger technical community, as needed

See [Section 8\(a\)](#) of the LF Energy Foundation Charter for more information about the chairperson role.

# TAC Meetings





# Meeting Cadence

- The TAC has virtual meetings, generally every three weeks on Tuesdays. **All meetings are public meetings unless specified otherwise.**
- Format for the meetings generally include short updates, and up to three larger topics ( such as an annual review of a project/working group, new project/working group proposal, larger discussion item, or special presentation )
  - Voting will often take place at each meeting
  - If you cannot attend a meeting and wish to have someone else represent you, please contact the foundation staff at [members.lfenergy.org](https://members.lfenergy.org).
- Additionally, the TAC may have one hybrid Leadership Meetings session per year.
  - Governing Board representatives and a representative from each General Member are invited to Strategy Sessions.
- In rare and exceptional circumstances (e.g., in an emergency situation), an additional ad hoc special meeting of the TAC may be convened.
  - To request a special meeting, please email your request to the Foundation Staff and TAC Chair, and they will decide whether a special meeting is necessary or the proposed agenda item can be discussed by email or at the next regular meeting.

# How to propose an agenda item

- Agenda for TAC meetings are managed at <https://github.com/orgs/lf-energy/projects/2>
- Propose a topic for a TAC meeting at <https://github.com/lf-energy/tac/issues/new/choose>
- Please submit your proposed agenda item at least 7 days prior to the meeting.
- Please be patient. TAC meeting agendas are often quite full, and the length of the meeting only allows the time for two larger topics per meeting, so if your topic is more than a short topic it may not be scheduled for the next meeting.

# Proposing an agenda item (continued)

- If we cannot accommodate your request in the upcoming meeting we may:
  - Wait until the following meeting to discuss the topic
  - Call a special meeting to discuss your topic, or
  - Refer the topic to the appropriate committee or task force of the TAC
- We may ask you to provide slides 3 days before the meeting.

# TAC Materials

- Agendas for TAC meetings will be made available the day before the scheduled meeting
- Past meeting notes can be found [here](#).
- No meeting of the TAC is recorded unless the TAC provides explicit consent to do so.

# Discussion Channels

## Relevant Mailing Lists

- TAC Public List: [tac@lists.lfenergy.org](mailto:tac@lists.lfenergy.org)
- TAC Private List:  
[tac-voting@lists.lfenergy.org](mailto:tac-voting@lists.lfenergy.org)
  - This list is ONLY for sensitive topics and voting
- Project and Working Group Leads:  
[technical-project-leads@lists.lfenergy.org](mailto:technical-project-leads@lists.lfenergy.org)

## Slack Channel

- You can [join LF Energy slack here](#).
- To join the TAC slack channel, make a request at [members.lfenergy.org](https://members.lfenergy.org).

# Policies and Other Resources

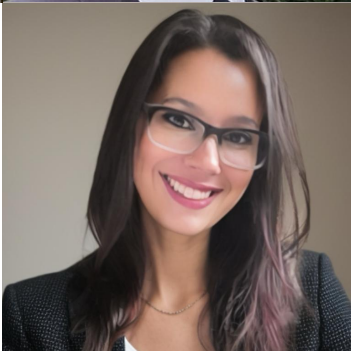


# Important LF Energy Foundation Policies and Resources

- [LF Energy Foundation Charter](#)
- [Linux Foundation Antitrust Policy](#)
- [Foundation GitHub repository](#) with many other public facing policies and materials including...
  - [Elections Process](#)
  - [LF Energy Foundation hosted project charters](#), which define each project's intellectual property and licensing policies.
- [LF Energy Landscape](#)
- [High Level Overview](#)

# LF Energy staff

- [Alex Thornton](#), LF Energy Executive Director
- [Dan Brown](#), Marketing Director
- [John Mertic](#), Program Director
- [Yarille Ortiz](#), Sr. Project Coordinator
- [James Sullivan](#), Membership Solutions



*Member support requests of the staff can be made at [members.lfenergy.org](https://members.lfenergy.org). Community and project requests can be made at [servicedesk.lfenergy.org](https://servicedesk.lfenergy.org).*



# LFX Organization Dashboard

[LFX Organization Dashboard](#) provides access to key membership materials, including...

- Member contacts, which you can change at any time ( look under 'Users' > and then under the 'Key People' tab )
- Membership details ( look under 'Membership' > 'LF Energy Foundation' ), including...
  - Membership Overview Deck and High Level Overview Deck ( look under the 'Resources' tab )
  - Your fully executed membership agreement ( look under the 'Membership' tab )
  - Details on how to leverage membership benefits ( look under the 'Benefits' tab )
  - Insights on contributors from your organization ( look under the 'Project Contributors' tab )

**ACTION:** Request access to LFX Organizational Dashboard [here](#).

# Who's Who in the LF Energy Foundation

- [LF Energy Foundation Members](#)
- Staff: [LF Energy Foundation Staff](#), [Linux Foundation Leadership](#)
- [Governing Board Members](#)
- [Technical Advisory Council Members](#)
- [LF Energy Project and Working Group Leads](#)



Thank you!

If you have any questions, feel free to  
contact the staff at [members.lfenergy.org](https://members.lfenergy.org).