

Technical Advisory Council (TAC) Meeting

17 October 2023



Meeting information

- Meeting to begin at 5:00 pm Central European Time
- Join the meeting by going to
<https://zoom-lfx.platform.linuxfoundation.org/meeting/95214651568?password=eda16f17-bdd1-4a9f-a594-0947a1433153>
- Any problems with connectivity, you can contact John Mertic from the Linux Foundation at +1 234-738-4571
- Previous TAC Meeting notes, deck, and recording, at
<https://wiki.lfenergy.org/display/HOME/Technical+Advisory+Council#TechnicalAdvisoryCouncil-MeetingMinutes>



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Agenda

All Times in Central European Time Zone

- 5:00 pm - 5:10 pm - Opening and General Updates
 - TAC member updates and project review date reminders
 - General updates
- 5:10 pm - 5:20 pm - Project Security Focus
 - OpenSSF badge status review
 - LFX Security
 - Early adoption level project security audits
- 5:20 pm - 5:40 pm - Open Sustainable Technology Proposal
- 5:40 pm - 6:00 pm - Grid Capacity Map Annual Review
- 6:00 pm - 6:20 pm - OpenEEMeter Annual Review
- 6:20 pm - 6:25 pm - Marketing/PR/Events updates
- 6:25 pm - 6:30 pm - Closing and Next Meeting

Opening and General Updates

5:00 pm - 5:10 pm



TAC Voting Members

You can update your headshot/title at openprofile.dev.



Antonello Monti
Chair
Professor
RWTH Aachen
University



Anne Tilloy
Project manager
RTE (Reseau de
Transport
d'Electricite)



Art Pope
Member of
Technical Staff at
Google LLC



Avi Allison
Program Manager,
Energy,
Sustainability
Microsoft
Corporation



Boris DOLLEY
Director of
Sustainable IT
Strategy
RTE (Reseau de
Transport
d'Electricite)



Bryce Bartmann
Chief Digital
Technology Advisor
Shell International
Petroleum Company



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



Maarten Mulder
PO Field Device
Platforms
Alliander



Travis Sikes
Senior Data
Scientist
Recurve

LF Energy Hosted Project and Working Group Leads

Changes in bold



Project	Project Lead(s)
PowSyBl	Anne Tilloy, RTE
OperatorFabric	Frederic DIDIER, RTE
OpenEEmeter	Travis Sikes, Recurve
GXF	Maarten Mulder, Alliander
SOGNO	Antonello Monti, RWTH Aachen University
CoMPAS	Aliou Diaite, RTE & Sander Jansen, Alliander (TAC Representative)
FledgePOWER	Akli Rahmoun, RTE
Hyphae	Asimenia Korompili, RWTH Aachen University
openLEADR	Lonneke Driessen & Stan Janssen, OpenADR
SEAPATH	Éloi Bail, RTE
Grid Capacity Map	Per Lysemose Hansen, Energinet
Shapeshifter	Robben Riksen, Alliander
OpenSTEF	Frank Kreuwel, Alliander
EVerest	Marco Möller, PIONIX
OpenGEH	Per Lysemose Hansen, Energinet
FlexMeasures	Nicolas Höning, Seita Energy Flexibility B.V.
Arras	David Chassin, SLAC
Dynawo	Marco Chiaramello, Benoît Jeanson, RTE
OpenFIDO	David Chassin, SLAC
Power Grid Model	Tony Xiang, Alliander
Real Time Data Ingestion Platform (RTDIP)	Bryce Bartmann, Shell
TROLIE	Christopher Atkins, MISO Energy
Battery Data Alliance	Gabe Hege, AMPLabs
GRIP (Grid Resilience and Intelligence Platform)	Alyona Teybar, MASc

Project Review Cycle

2023 Upcoming Reviews

Project	Current Level	Initially Accepted	Last Review	Next Review
Grid Capacity Map	Incubation	April 27, 2021	July 12, 2022	October 17, 2023
OpenEMeter	Incubation	June 4, 2019	September 13, 2022	October 17, 2023
OpenCEH	Sandbox	October 12, 2021	October 4, 2022	October 17, 2023
OpenSTEF	Incubation	September 21, 2021	October 25, 2022	November 7, 2023
OpenLEADR	Incubation	September 15, 2020	December 6, 2022	November 7, 2023
FlexMeasures	Incubation	November 2, 2021	November 15, 2022	November 28, 2023
RTDIP	Sandbox	October 25, 2022		November 28, 2023
PowSyBl	Early Adoption	April 30, 2019	November 15, 2022	November 28, 2023
Dynawo	Sandbox	December 6, 2022		December 5, 2023
EVerest	Early Adoption	October 12, 2021	December 6, 2022	December 19, 2023

2024 Future Reviews				
Project	Current Level	Initially Accepted	Last Review	Next Review
OpenFIDO	Sandbox	January 17, 2023		January 9, 2024
SEAPATH	Incubation	October 6, 2020	January 17, 2023	January 9, 2024
Hyphae	Incubation	December 8, 2020	February 7, 2023	February 20, 2024
Power Grid Model	Sandbox	February 7, 2023		February 20, 2024
FledgePOWER	Incubation	February 11, 2021	March 21, 2023	March 12, 2024
SOGNO	Early Adoption	October 27, 2020	March 21, 2023	March 12, 2024
Shapeshifter	Incubation	April 6, 2021	April 11, 2023	April 23, 2024
CoMPAS	Incubation	May 5, 2020	July 13, 2022	June 25, 2024
Arras	Sandbox	July 12, 2022	July 25, 2023	January 30, 2024
OperatorFabric	Early Adoption	April 30, 2019	July 25, 2023	July 16, 2024
TROLIE	Sandbox	September 5, 2023		September 3, 2024
Battery Data Alliance	Sandbox	September 5, 2023		September 3, 2024
GRIP (Grid Resilience and Intelligence Platform)	Sandbox	September 26, 2023		September 17, 2024
GXF	Early Adoption	February 4, 2020	September 26, 2023	September 24, 2024

Working Groups				
Group	Current Level	Initially Accepted	Last Review	Next Review
Archimate Working Group	Active	October 4, 2022		11/28/2023

TAC Sponsors for Projects

As part of the benefit for LF Energy projects, the TAC has a sponsor for each project.

"Appointment of an existing TAC member by the TAC that will act as a sponsor of the project and provide recommendations regarding governance best practices."

ACTION: Review assignments, let John or Yarille know if there are issues

Project	Current Level	TAC Sponsor
Archimate Working Group	Working Group	Maarten Mulder
Arras	Sandbox	Antonello Monti
Battery Data Alliance	Sandbox	
CoMPAS	Incubation	Bryce Bartmann
Dynawo	Incubation	Art Pope
EVerest	Early Adoption	Bryce Bartmann
FledgePOWER	Incubation	
FlexMeasures	Incubation	Maarten Mulder
Grid Capacity Map	Incubation	Boris Dolley
GRIP (Grid Resilience and Intelligence Platform)	Sandbox	
GXF	Early Adoption	Jonas van den Bogaard
Hyphae	Incubation	Antonello Monti
OpenEEmeter	Incubation	Travis Sikes
OpenFIDO	Sandbox	Avi Allison
OpenGEH	Sandbox	Avi Allison
OpenLEADR	Incubation	Anne Tilloy
OpenSTEF	Incubation	Jonas van den Bogaard
OperatorFabric	Early Adoption	Boris Dolley
PowSyBl	Early Adoption	Anne Tilloy
Power Grid Model	Sandbox	Jonas van den Bogaard
Real Time Data Ingestion Platform (RTDIP)	Sandbox	Art Pope
SEAPATH	Early Adoption	
Shapeshifter	Incubation	Jonas van den Bogaard
SOGNO	Early Adoption	Antonello Monti
TROLIE	Sandbox	

General Updates

- We'd like to schedule guest speakers/topics that would be of interest to TAC members and TSC leads.
 - **ACTION:** Let us know what would be of interest at <https://github.com/lf-energy/tac/issues/31>.
- Plan to move all projects to using LFX PCC Meeting Management by end of the year; current status at <https://github.com/lf-energy/tac/issues/39>
 - **ACTION:** Volunteer to transition over.
- Future of Slack; revisit looking at alternatives. Zulip has been suggested at <https://github.com/lf-energy/tac/issues/48>
 - **DISCUSSION:** Revisit Slack and alternatives.



Project Security Focus

5:10 pm - 5:20 pm



Focuses

- Ensure all projects up to date with OpenSSF Best Practices Badge per their maturity level
- Clean up LFX Security to ensure it's accurate
- Promote SBOM scanning
- Security Audits for all 'Early Adoption' stage projects
- Security strategy developed by TAC (response standards, CVE response)





openssf best practices silver



openssf best practices silver



openssf best practices passing



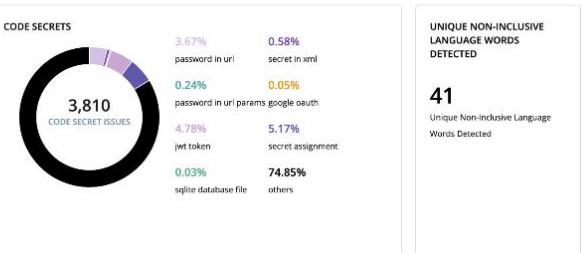
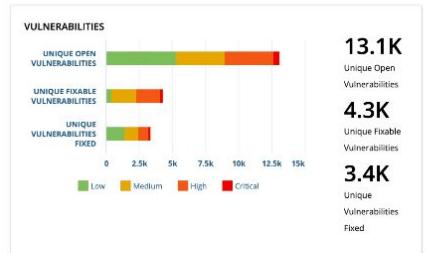
openssf best practices passing



Current OpenSSF Best Practices Badge status

ACTION: Projects in red boxes need review (source

https://tac.lfenergy.org/projects_with_bestpractices



18 Total Projects	2 Projects Successfully Scanned	11 Projects Partially Scanned	4 Projects Unsuccessfully Scanned
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GIF ENERGY SOGNO
SOGNO

opened best practices in progress 50%

TOTAL VULNERABILITIES
3.5K FOUND | 563 FIXABLE | 848 FIXED

35 TOTAL REPOS | 25 SCANNED REPOS | 0 DISABLED REPOS | 1 DETAILED REPORT

[View Dashboard](#)

GIF ENERGY GFx
Grid eXchange Fabric (GFx)

opened best practices 0%

TOTAL VULNERABILITIES
2.2K FOUND | 1.2K FIXABLE | 0 FIXED

12 TOTAL REPOS | 4 SCANNED REPOS | 8 DISABLED REPOS | 0 DETAILED REPORT

[View Dashboard](#)

GIF ENERGY OPENEEMETER
OpenEEMeter

opened best practices 0%

TOTAL VULNERABILITIES
2.7K FOUND | 542 FIXABLE | 1.2K FIXED

3 TOTAL REPOS | 3 SCANNED REPOS | 0 DISABLED REPOS | 0 DETAILED REPORT

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GIF ENERGY POWSYBL
PowsyBl

opened best practices pending

TOTAL VULNERABILITIES
2.3K FOUND | 1.6K FIXABLE | 665 FIXED

47 TOTAL REPOS | 41 SCANNED REPOS | 0 DISABLED REPOS | 0 DETAILED REPORT

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GIF ENERGY FLEDGE POWER
FledgePower

opened best practices passing

TOTAL VULNERABILITIES
561 FOUND | 4 FIXABLE | 116 FIXED

23 TOTAL REPOS | 2 SCANNED REPOS | 0 DISABLED REPOS

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GIF ENERGY OPERATORFABRIC
OperatorFabric

opened best practices in progress 90%

TOTAL VULNERABILITIES
378 FOUND | 173 FIXABLE | 29 FIXED

9 TOTAL REPOS | 4 SCANNED REPOS | 0 DISABLED REPOS

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GIF ENERGY COMPAS
CoMPAS

opened best practices passing

TOTAL VULNERABILITIES
279 FOUND | 137 FIXABLE | 478 FIXED

56 GOOD STARTS | 154 NON-INCLUSIVE INSTANCES

20 TOTAL REPOS | 11 SCANNED REPOS | 0 DISABLED REPOS

[View Dashboard](#)

GIF ENERGY OpenSTEF
OpenSTEF

opened best practices passing

TOTAL VULNERABILITIES
57 FOUND | 9 FIXABLE | 12 FIXED

490 CODE SECRETS | 9 NON-INCLUSIVE INSTANCES

5 TOTAL REPOS | 5 SCANNED REPOS | 0 DISABLED REPOS

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GIF ENERGY SEAPATH
SEAPATH

opened best practices 0%

TOTAL VULNERABILITIES
46 FOUND | 1 FIXABLE | 17 FIXED

18 TOTAL REPOS | 4 SCANNED REPOS | 0 DISABLED REPOS

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GIF ENERGY Hyphae
Hyphae

opened best practices 0%

TOTAL VULNERABILITIES
40 FOUND | 40 FIXABLE | 5 FIXED

14 TOTAL REPOS | 12 SCANNED REPOS | 0 DISABLED REPOS

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GIF ENERGY EVEREST
Everest

opened best practices 0%

TOTAL VULNERABILITIES
39 FOUND | 11 FIXABLE | 0 FIXED

34 TOTAL REPOS | 1 SCANNED REPOS | 16 DISABLED REPOS

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GIF ENERGY SHAPESHIFTER
Shapeshifter

opened best practices in progress 67%

TOTAL VULNERABILITIES
1 FOUND | 1 FIXABLE | 1 FIXED

14 TOTAL REPOS | 1 SCANNED REPOS | 2 DISABLED REPOS

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GIF ENERGY ARRAS
Arras

opened best practices 0%

TOTAL VULNERABILITIES
0 FOUND | 0 FIXABLE | 0 FIXED

12 TOTAL REPOS | 0 SCANNED REPOS | 0 DISABLED REPOS

[View Dashboard](#)

GIF ENERGY FlexMeasures
FlexMeasures

opened best practices 0%

TOTAL VULNERABILITIES
0 FOUND | 0 FIXABLE | 0 FIXED

5 TOTAL REPOS | 0 SCANNED REPOS | 0 DISABLED REPOS

[View Dashboard](#)

GIF ENERGY GRID CAPACITY MAP
Grid Capacity Map

opened best practices 0%

TOTAL VULNERABILITIES
0 FOUND | 0 FIXABLE | 0 FIXED

3 TOTAL REPOS | 0 SCANNED REPOS | 0 DISABLED REPOS

[View Dashboard](#)

GIF ENERGY openLEADR
OpenLEADR

opened best practices pending

TOTAL VULNERABILITIES
0 FOUND | 0 FIXABLE | 0 FIXED

5 TOTAL REPOS | 0 SCANNED REPOS | 0 DISABLED REPOS

[View Dashboard](#)

- 16 of 20 projects on LFX Security
 - 6 projects with no successful scans
 - Only 2 projects with a full scan
- ## ACTION: Project leads to review LFX Security and resolve issues/disable repos that shouldn't be scanned.

18 projects having license scans and SBOMs being generated.

GOAL: All project scanned every quarter

Carbon-Data-Spec	add SPDX file for Carbon-Data-Spec from 2023-07 Fossology scan	2 months ago
EVERest	add SPDX file for EVERest from 2023-07 Fossology scan	2 months ago
FledgePOWER	add SPDX file for FledgePOWER from 2023-07 Fossology scan	2 months ago
GridCapacityMap	add SPDX file for GridCapacityMap from 2023-07 Fossology scan	2 months ago
OCPPCloudConnector	add SPDX file for OCPPCloudConnector from 2022-12 Fossology scan	8 months ago
OpenGEH	add SPDX file for OpenGEH from 2023-07 Fossology scan	2 months ago
OpenSTEF	add SPDX file for OpenSTEF from 2023-07 Fossology scan	2 months ago
RTDIP	add SPDX file for RTDIP from 2023-07 Fossology scan	2 months ago
Shapeshifter	add SPDX file for Shapeshifter from 2023-07 Fossology scan	2 months ago
compas	add SPDX file for compas from 2023-07 Fossology scan	2 months ago
em2	add SPDX file for em2 from 2022-07 Fossology scan	last year
flexmeasures	add SPDX file for flexmeasures from 2023-07 Fossology scan	2 months ago
gxf	add SPDX file for gxf from 2023-07 Fossology scan	2 months ago
hyphae	add SPDX file for hyphae from 2023-07 Fossology scan	2 months ago
openeemeter	add SPDX file for openeemeter from 2023-07 Fossology scan	2 months ago
openleadr	add SPDX file for openleadr from 2023-07 Fossology scan	2 months ago
operatorfabric	add SPDX file for operatorfabric from 2023-07 Fossology scan	2 months ago
powsybl	add SPDX file for powsybl from 2023-07 Fossology scan	2 months ago
riaps	add SPDX file for riaps from 2023-07 Fossology scan	2 months ago
seapath	add SPDX file for seapath from 2023-07 Fossology scan	2 months ago
sogno	add SPDX file for sogno from 2023-07 Fossology scan	2 months ago

Security Audits through Open Source Technology Improvement Fund.

Priority Focus for 'Early Adoption' projects

In progress:

- EVerest
- SEAPATH

TODO:

- GXF
- OperatorFabric
- PowSyBL
- SOGNO

Next focus is on Incubation projects.

ACTION: Remaining 'Early Adoption' projects get lined up for scans; identify any 'Incubation' projects next.

OSTIF.org



The Open Source Technology Improvement Fund is a corporate non-profit dedicated to **securing open source apps** that we all depend on. Securing software isn't easy, and we know what it takes to succeed. By facilitating security audits and reviews, OSTIF makes it easy for projects to significantly improve security.

Security Strategy

TAC take the lead on developing a common set of security expectations and infrastructure for all hosted projects.

Besides the aforementioned topics, the TAC should provide guidance on:

- Base security policy for projects
- Standards for security response and responsible disclosure (CVE)
- Anything else industry specific to consider

ACTION: TAC to discuss forming a group to focus on building out security strategy



Open Sustainable Technology Proposal

5:20 pm - 5:40 pm



Grid Capacity Map Annual Review

5:40 pm - 6:00 pm



OpenEEMeter Annual Review

6:00 pm - 6:20 pm





TAC Annual Review
OpenEEmeter

OPENEEMETER Status

The current activity of the project, including releases, adoption, and committer/contribution growth and diversity.

- Releases:
 - 3.1.1 (minor error change), 3.2.0 (international changes, versioning updates)
 - 4.0.0a2 (daily model update)
- Most contributions from Recurve, 3 outside contributors (WattCarbon, Carbon Co-op)
- 2 successful working group initiatives (1 complete, 1 on-going)
 - Significant daily model improvements leading to 4.0.0a2, final version pending.
 - Daily model efficiency increase by 2 - 300x
 - Now can make unique models based on season and/or weekday/weekend
 - Considerable changes to hourly model in ongoing working group
 - Working group attendees peaked at ~50, regularly 20. Great ideas/feedback

OPENEE METER Status

The current activity of the project, including releases, adoption, and committer/contribution growth and diversity.

- While methods/EEmeter has been improving:
 - Scale of use of the method + code base grown across U.S. utilities; and companies reliant on calculations for performance payment. Examples:
 - New California policy (Market Access program) launched \$150M in activity 2022-2023
 - New U.S. Federal policy (Inflation Reduction Act) calls for open-source measurement and verification for home performance incentive program
 - Code for complementary applications - for comparison groups and demand response are accelerating (but have not yet been formally included in the project)



OPENEEMETER is the foundation for Demand Flexibility Performance Transactions

Utility Demand Flexibility Buyers



Demand Flexibility Providers

 B2B Grid GridPower Increase your building's profitability with a modern heating and cooling system.	 BRIGHT POWER Bright Power Bright Power is the premier provider of energy and water management services.	 CARBON LIGHTHOUSE Carbon Lighthouse Cut energy at a Portfolio Scale. Reduce one building at a time. Consent Lot 1.	 CH Energy CH Energy CH Energy is an expert in providing a turnkey energy solution.	 CLEAResult ClearEdgeGen We make energy efficiency smarter, faster, and more accessible for everyone.	 OmhConnect OmniConnect Use energy when it's cleanest and earn rewards for saving when it's dirty.
 ConecteeT TM Operational Asset Risk Management.	 DIVIDEND Dividend Finance A creative, fast way to finance home improvements and commercial upgrades.	 ecobee ecobee.com A smart home technology helping customers maintain comfort and cost savings	 Eco Green Solutions EcoGreen Solutions We help companies save energy and cut costs.	 Ecology Action Ecology Action is creating a thriving environment and low-carbon economy.	 PACKETIZED ENERGY Packetized Energy makes electricity Realistic.
 edgeWise EdgeWise Energy Helping property owners to improve resiliency, sustainability, and profit.	 ELECTRUM Electrum Electrum provides a home electrification concierge marketplace	 elevation Elevation Home Energy Solutions We are on a mission to Elevate the Home Energy Experience.	 ECO Energy Conservation Options (ECO) Initiative Independent, owner-owned & trade-licensed firm offering CSE energy management	 ERI Energy Resource Management Developing Sustainability Through Energy Efficiency.	 Sealed Sealed Stress-free home upgrades? With Sealed, they're not just a fantasy.
 energy energyst.com A wireless platform that connects to EVs and EVSEs to deliver fast charging.	 EVeveryWAT EVeveryWAT Stop wasting money on old lighting.	 FlexCharging FlexCharging Electric Vehicles are here. Save money AND carbon emissions. IT'S EASY!	 Gentrif Energy Solutions David Yosco Gentrif is democratizing the energy audit sector.	 GROUSE ASSOCIATES Lane Briscoe Improve energy efficiency in your HVAC system.	 swell Swell Energy Swell Energy is an energy and smart grid solutions provider.
 Helio Helio is a leading residential and commercial energy services provider in NY	 HomeWorks Energy We simplify energy conservation and achieve home energy efficiency challenges.	 JouleSmart Joule Smart will save you money, and give you peace-of-mind.	 leap. Leap Leap is a marketplace for grid services, to help balance the grid.	 NRA Native Resource Management If your business relies on refrigeration systems, NRA has a way to help you.	 voltus Voltus Better Energy. More Cash.

OPENEEMETER Status

Assessment of whether the project is fulfilling the requirements for the project to remain at its current stage *[incubation]*, or be considered for a different stage

- Demonstrate growth in the project's community, including
 - Growth in the number of commits to the project, number of project committers, and organizational diversity of contributions and committers (29 unique committers, 3 + organizations). ✓
 - Production or planned production use of the project by at least two independent end users which, in the TAC's judgment, are of adequate quality and scope. ✓
- Technical Governance of the project is operational, as measured by:
 - A Technical Steering Committee with at least 5 members and a chairperson elected by the members, holding regular open meetings. [Next EEmeter TAC meeting item]
 - Achievement of the OpenSSF Best Practice badge at the 'Silver' Level [-]

OPENEEMETER Status

Assessment of whether the project is fulfilling the requirements for the project to remain at its current stage *[incubation]*, or be considered for a different stage

- Development of a growth plan, to be done in conjunction with their project mentor(s) at the TAC. This plan should address the following points: [-]
 - Since these metrics can vary significantly depending on the type, scope, and size of a project, the TAC has final judgment over the level of activity that is adequate to meet these criteria.
 - Release plans for the next 18 months.
 - Target end-users.
 - Identification of any regulatory or standards body requirements for deployment, and plans for implementation.
 - Plans for growth of project contributors and committers to support the growth plan.
 - Identification of any infrastructure resources needed to fulfill the growth plan.
- Presentation to the TAC of the project's growth, technical governance, and growth plan. [-]
- Receive the affirmative majority vote of the TAC and Governing Board [-]

OPENEEMETER Status

Feedback on its experience as an LF Energy project, including benefits from being an LF Energy project and areas that the TAC and LFE staff can better support the project.

- **Experience as an LF Energy project has been positive.**
 - Support in explaining open-source and its value to our industry
 - Provides reference point of "acceptance" for the market
 - Provides access point for the industry from a trusted source
 - Policy positioning for open-source transparency
- **Key Benefits are both for the project but also for the company**
 - Branding
 - Nudging
 - Community with other projects
- **TAC / LFE Staff can support with considering transition, and promoting new model**
 - OpenEEmeter standing alone just doesn't do much
 - Still have scattered governance for multiple open-source methods and code
 - Bringing it under a single umbrella will help but still questions about how methods and code can best cohabit in an LFE project

Marketing/PR/Events Updates

6:20 pm - 6:25 pm



Marketing and PR Updates

dbrown@linuxfoundation.org
+1 415-420-7880

- Grants
 - EU Horizon grant application submitted last week - topic is P2P energy sharing tool. LFE is part of a consortium led by Anto which will build the tool if the grant is awarded.
 - Submitted application for Ford Foundation grant - topic is a research paper on open source AI for energy
 - Tentatively approved for Natural Resources Canada grant to produce a report on what Canadian utilities need to do to meet the goals of the energy transition - currently going through due diligence
- Cybersecurity for energy systems white paper draft has been completed and reviewed by LF Energy and OpenSSF SMEs; currently going through final edits before moving to design. Anticipate releasing this next month.
- Linux Foundation annual report - Submitted content prominently highlighting LF Energy
- Developing Seeed ReCharger case study and webinar with EVerest project (jointly with LF Zephyr project which is also used in the product)
- Developing plan for engagement with standards bodies (IEC, IEEE, etc.)
- Recent media coverage
 - [Smart Energy International - Linux Foundation introduces significant software releases](#)
 - [TFIR - Without Energy, You Don't Have Technology | Dan Brown – LF Energy](#)
- Use this [form](#) to submit any comms/marketing support requests

Events

Recent Events

- OpenUK Open Source for Sustainability Day - 14 Sept, Edinburgh
 - Dan spoke about the three recent research reports
- LF Europe Member Summit - 18 Sept, Bilbao
 - LF Energy hosted a table at the event - multiple new member prospects were generated
 - Lucian presented plenary session on LF Energy momentum
- SustainabilityCon at Open Source Summit Europe - 19-21 Sept, Bilbao
 - Hosted four sessions:
 - Panel: How Open Source Collaboration is Transforming the Power Systems Sector
 - Session: More Renewable Energy Into the Power Grid with Open Source
 - Session: SEAPATH: A LF Energy Project for Critical Infrastructure with an Emphasis on Software Supply Chain Security
 - Panel: Advancing the United Nations Sustainable Development Goals through Open Source
 - Generated multiple new member prospects

Upcoming Events

- LF Energy Summit 2024
 - Developed preliminary budget
 - Finalizing details of date and location
 - Aim to release a sponsor prospectus by mid-November
- FOSDEM 2024 - 3-4 Feb, Brussels
 - Energy devroom proposal has been submitted
 - Also plan to partner with LF Europe on an application to host a stand at the event
- [Event tracker](#) - please review and add any additional opportunities

Upcoming Event CFPs

- [Enlit Europe - Nov 28-30 - Rolling submission deadline](#)
- [e-world Energy & Water - Feb 20-22, 2024 - Rolling submission deadline](#)
- [FOSS Backstage Berlin - March 4-5, 2024 - Submission deadline Nov 15](#)
- [Carbon Tracking & Reporting - March 26-27, 2024 - Rolling submission deadline](#)
- [Energy Thought Summit - April 15-18, 2024 - Rolling submission deadline](#)
- [CIRED Vienna - June 19-20, 2024 - Submissions open Sept 11, close Dec 8](#)
- [MOVE London - June 19-20, 2024 - Rolling submission deadline](#) (for this one, we should email cormac.martin@terrapinn.com with speaking proposals)
- [IEEE PES General Meeting Seattle - July 21-25, 2024 - Submission due Nov 8](#)



Training Course

Introduction to Open Source for Energy Stakeholders

- Online, self-paced course
- No cost to enroll
- Will pull from existing LF Training courses around open source introduction and best practices
- Need to build additional content specific to energy and LFE projects
- Require a primary SME to lead content development - suggestions?
- Volunteer committee can also assist, but a primary is required



Closing and Next Meeting

6:25 pm - 6:30 pm



Next TAC Meeting

The next meeting of the LF Energy TAC is scheduled for 7 November 2023 at 8:00 am US Pacific Time/11:00 am US Eastern Time/5:00 pm Central European Time. Agenda will include:

- Annual Review - OpenLEADR [#24](#)
- Annual Review - OpenSTEF [#25](#)
- General Updates
- Marketing/PR/Events update

To add agenda items, go to <https://github.com/lf-energy/tac/issues/new/choose>.

You can review the TAC Agenda at <https://github.com/orgs/lf-energy/projects/2/views/1>



ALF ENERGY

