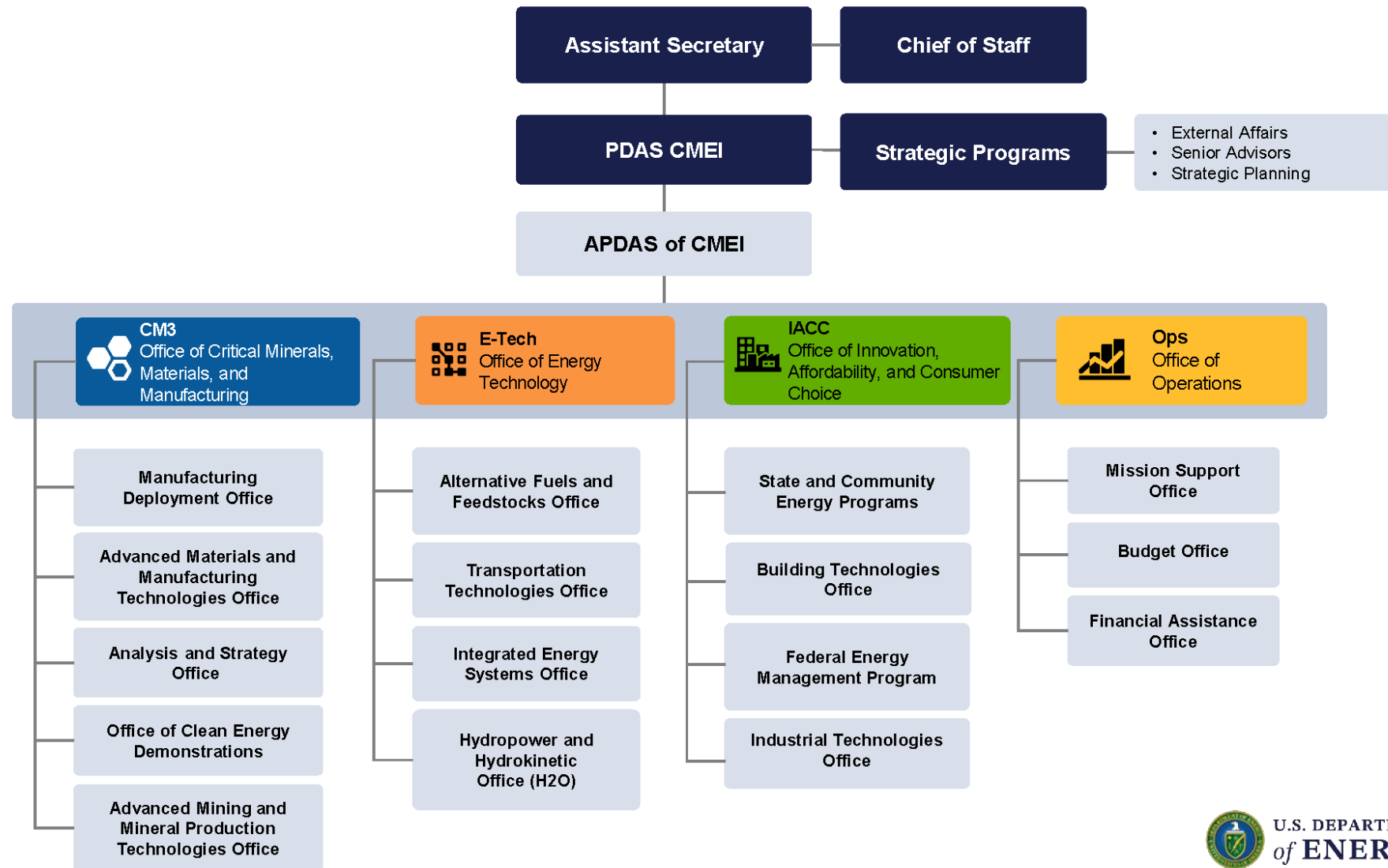


Critical Minerals and Energy Innovation Office

Tassos Golnas

Technology Manager, Integrated Energy Systems Office

Office of Critical Minerals and Innovation (CMEI)



U.S. DEPARTMENT
of **ENERGY**

Office of Critical Minerals
and Energy Innovation

CMEI Mission

Enable the American mineral, mining, and extractive industries to return to dominance and ensure a stable U.S. mineral/metal supply chain.

Lead the world in metals, mining, materials science, magnets, batteries, and innovation through R&D at our National Lab, intergovernmental agencies, and collaboration with private-sector partners.

Drive growth, efficiency and innovation in U.S.-based manufacturing and the workforce-education programs necessary to meet today and tomorrow's energy and manufacturing challenges.

Steward federal resources to reduce the cost of energy for everyday Americans. Enable forums and resources to share energy innovations with industry, governments and everyday Americans

Develop the systems and research needed for nationwide standards, certifications and validations for buildings, appliances, manufacturing, and energy efficiency.

Maintain our position as the global leaders of next generation energy systems, vehicle technologies, fuels, chemicals and other materials needed for energy production on land, sea, air and space.

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Integrated Energy Systems Office

VISION

The Integrated Energy Systems Office strives to enable a secure, integrated, and affordable energy future—powered by innovation and built to serve all Americans.

MISSION

The Integrated Energy Systems Office drives strategic research and development of advanced energy solutions, focusing on enhancing grid reliability and resilience, fostering U.S. technological leadership across diverse energy generation sources, and reducing the cost of energy for Americans.

IESO Strategic Goals:



Launch

1. Lead in space-based solar power generation and advanced photovoltaic material science



Recycle

2. Build a recycling ecosystem for wind and solar energy technologies



Secure

3. Secure the grid to support reliable, cyber-secure, rapid load and grid infrastructure growth



Ignite

4. Grow the industrial sector with low cost, turnkey, US manufactured solar thermal systems



Optimize

5. Maximize performance and reliability of energy assets, through AI, advanced R&D, and a highly-skilled workforce



Streamline

6. Streamline permitting, enhance certainty, and mitigate environmental and social impacts of energy development

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Open-Source Software Summit 2026

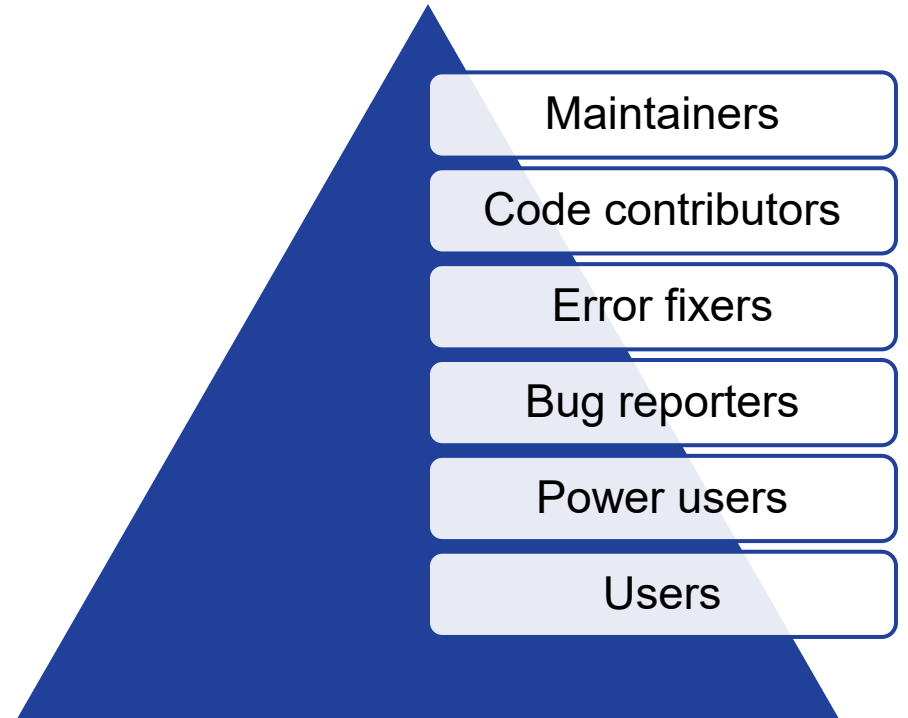
Albuquerque, August 4

Lessons from the 2022 Workshop

- “How to build engagement for lasting impact”
 - Governance
 - Engagement across all levels of the ‘pyramid’

“[DOE-supported open-source] software products, and the public, can benefit from the active participation of the community in the form of bug reporting, error-fixing, or substantial code contribution. These contributions can significantly increase the impact of the project in terms of usability, features, user base, and longevity.”

[Leadership and Governance | Open Source Guides](#)
[Open Source Guides | Linux Foundation](#)



Goals for the 2026 Summit



Increase awareness of DOE-supported OSS ecosystem



Quantify impact of OSS projects



Share good practices

Thank you! Questions?

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