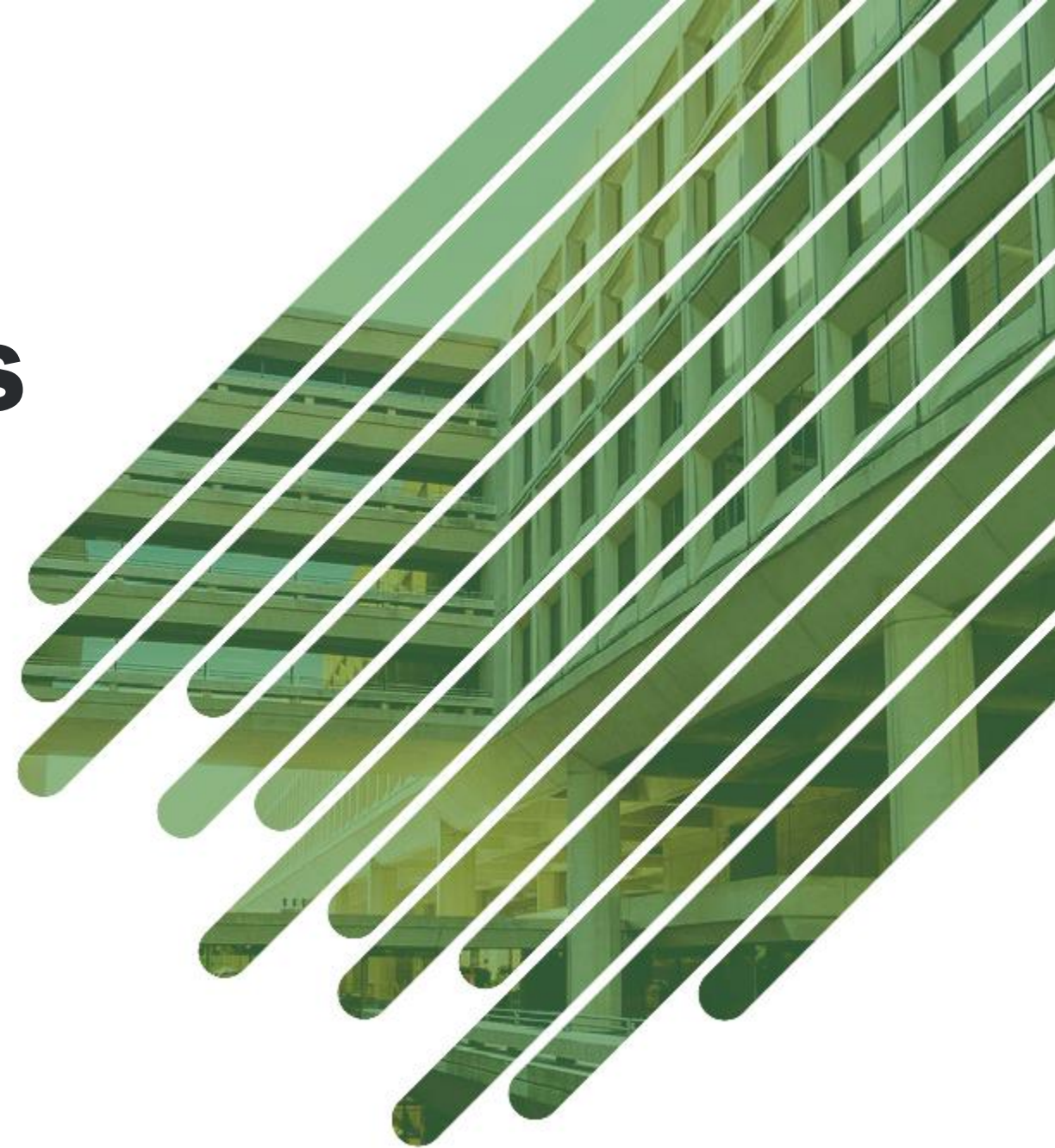




U.S. DEPARTMENT OF
ENERGY

Clean Energy Corps Women's Forum

December 14, 2022



The Office of the Under Secretary for Infrastructure!

The Clean Energy Corps!

- Staff across a dozen or so offices at DOE
- Includes new hires AND realigning staff
- Charged with investing more than \$62 billion from BIL + IRA + existing resources
- Today, you'll be hearing from **the Office of the Under Secretary for Infrastructure!**

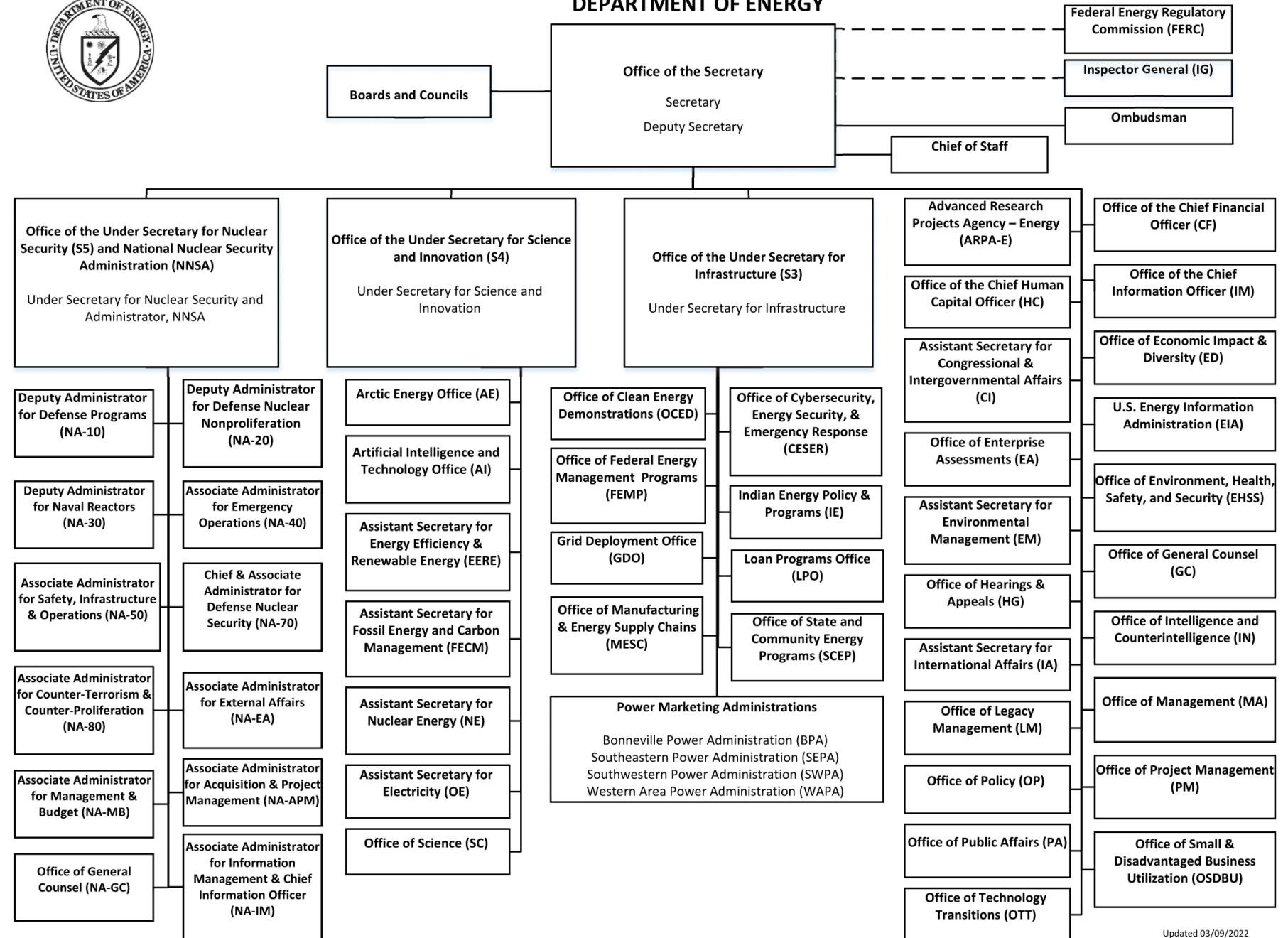


“S3” – our mission

- **SUPERCHARGING THE CLEAN ENERGY REVOLUTION!**
- Deploying clean energy infrastructure in pursuit of national goals for affordable and reliable energy
- Creating high quality jobs
- Enhancing U.S. manufacturing
- Addressing the climate crisis
- Achieving carbon-free electricity in the U.S. by 2035 and a net zero economy by 2050
- Delivering substantial benefits to the communities that are frequently (and historically) left behind

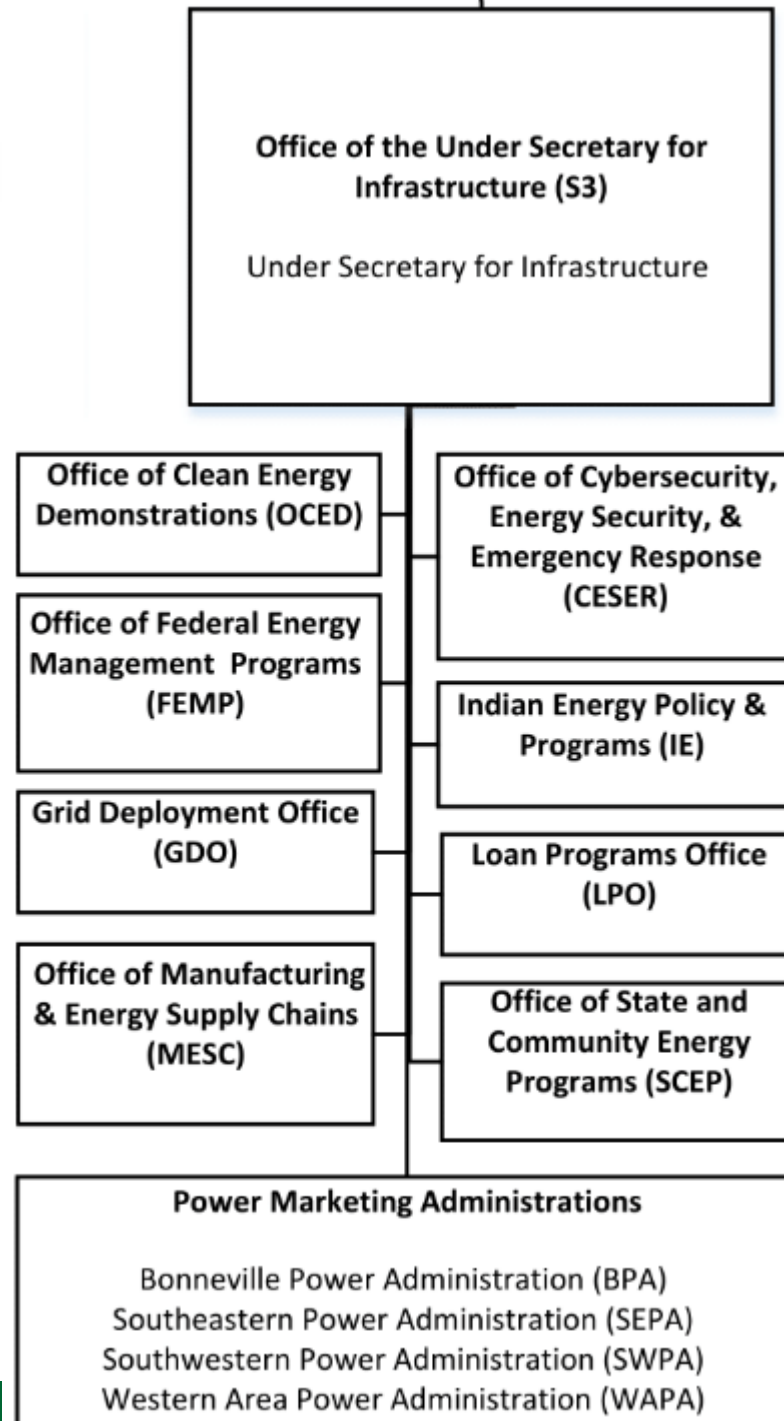


DEPARTMENT OF ENERGY



A little bit of context...

Zooming in:



Our cultures & values

- **Get stuff done together** with kindness, empathy, and transparency.
- **Listen** to each other, assume **best intentions**, and act with **good faith**.
- **Communicate** clearly, consistently, and in a timely fashion.
- Prioritize **diversity, equity, inclusion, and accessibility**.
- Have **fun and work hard** – intentionally, sustainably, collaboratively, and with joy.
- Are **honest** with each other, so we can build **trust** and hold each other **accountable**, because we're **one team** and share the **same goals**.
- Make decisions with a sense of **urgency**, **accept** what we can't change, and **propose ambitious, creative solutions** to change what we must.
- Always connect our work to our mission: **supercharging the clean energy revolution** to deliver a more **equitable, reliable, and affordable** clean energy future and **solve the world's great challenge** – the climate crisis.

Our Program Offices

Today we'll hear from...



CESER

CYBERSECURITY, ENERGY SECURITY, AND EMERGENCY RESPONSE



MESSC

OFFICE OF MANUFACTURING AND ENERGY SUPPLY CHAINS



GDO

GRID DEPLOYMENT OFFICE



OCCED

OFFICE OF CLEAN ENERGY DEMONSTRATIONS



LPO

LOAN PROGRAMS OFFICE



SCEP

STATE & COMMUNITY ENERGY PROGRAMS

Office of State and Community Energy Programs (SCEP)

Mission Statement: To significantly accelerate the deployment of clean energy (e. g. , energy efficiency and renewable energy) technologies and practices through place-based strategies involving state, local, and Tribal governments, community orgs, academia, and business stakeholders that catalyze community-wide economic development, create high-quality jobs, and improve the lives of Americans.



SCEP

STATE & COMMUNITY ENERGY PROGRAMS



Guiding Vision: SCEP wants to be the bridge that connects the federal government to community serving institutions. We manage the main community-facing funding and technical assistance programs. We serve as the common touch point and the navigator through DOE and other applicable programs across the Federal Government. If done right, everyone should know a person or be served by a local institution who has interacted with and been positively impacted by DOE programs.



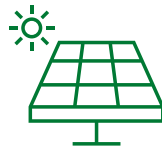
Our goal is to **extend the capacity and capabilities** of states, tribes, local governments, schools, and community-serving organizations to **implement high-impact, self-sustaining clean energy projects** that **center the needs of low-income and Disadvantaged Communities (DACs)**.

SCEP does this through the management and oversight of **\$16 billion** worth of formula grants, competitive grant awards, consumer rebate grants, and technical assistance.

SCEP Strategic Priorities



Center and deliver on J40 priorities



Deploy clean energy technologies



Catalyze local economic development



Create jobs and ensure just transition



Avoid pollution through place-based strategies



Reduce energy costs

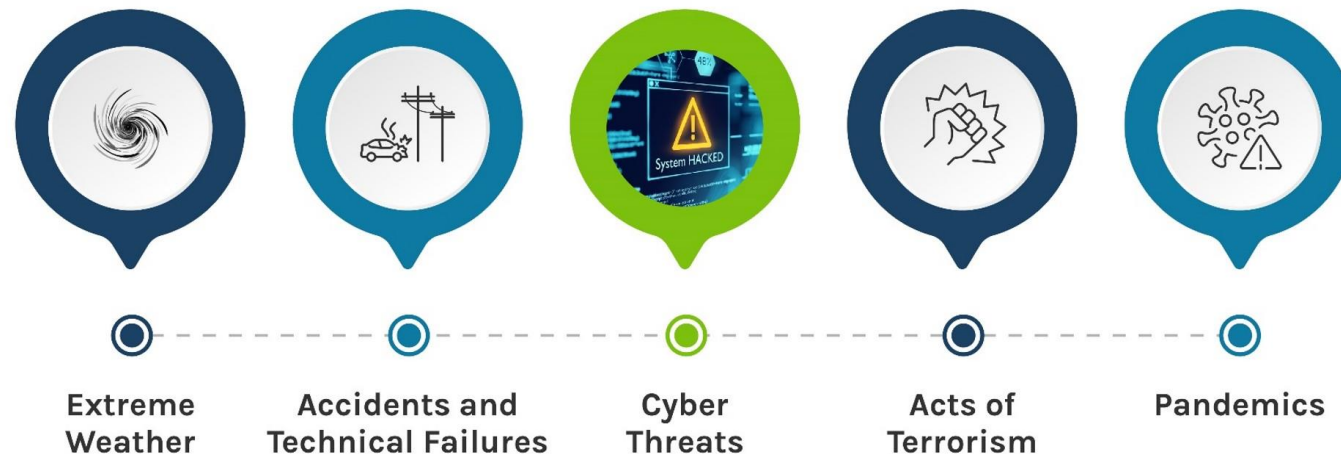
A few key roles we're looking to fill at SCEP...

- **Weatherization Readiness & Retrofit Program Supervisor**
- **Innovation & Special Projects Supervisor in SEP**
- **Project Officers Across WAP, SEP, EECSBG**



Enhance the security and resilience of U.S. critical energy infrastructure against all hazards, mitigate the impacts of disruptive events and risk to the sector overall through preparedness and innovation, and respond to and facilitate recovery from energy disruptions in collaboration with other Federal agencies, the private sector, and State, local, tribal, and territory governments.

Evolving Threats to Critical Infrastructure



CESER Priorities



Increase the visibility of threats targeting critical energy infrastructure through risk analysis, detection, discovery, and mitigation efforts.



Strengthen supply chain security and resilience of energy systems through swift and informed actions.



Implement security and resilience by design in next generation energy systems.



Capacity building for state, local, tribal, and territorial (SLTT) government and industry, helping them prepare for and respond to energy system threats.



Lead the safe and efficient restoration of U.S. energy systems from all hazards.

A few key roles we're looking to fill in CESER...

- Deputy Director (Senior level)
 - Deputy Director, Response and Restoration
 - Deputy Director, Risk Management Tools and Technologies
- IT Cybersecurity Specialist (Mid to Expert level)
 - Several vacancies across the organization



Provide electricity to everyone, everywhere by...

- Maintaining and investing in critical generation facilities
- Improving and expanding transmission and distribution systems
- Ensuring the resilience of critical power generation facilities like hydroelectric and nuclear facilities
- Developing high-capacity electric transmission lines nationwide
- Providing access to technical assistance and national laboratory expertise, modeling, and analytical capabilities

Some key roles we're looking to fill for GDO...

- Permitting Analyst for our Transmission Division
- Contract Specialist for our Utility Investment Programs
- Program Analyst for our Puerto Rico Grid Modernization team
- Apply to the Clean Energy Corps and email us directly at GDORecruit@hq.doe.gov



There are many areas that are mature from a technology standpoint but not mature from an access to capital standpoint — **that's a nexus where there's a clear mandate for LPO to participate.**

— LPO Director Jigar Shah

LPO

The **U.S. Department of Energy Loan Programs Office (LPO)** finances innovative clean energy, advanced transportation, and tribal energy projects, **servicing as a bridge to bankability for breakthrough projects and technologies**, derisking them at early stages of commercialization so they can reach full market acceptance.

Introduction to the LPO



The central challenge the United States faces in reaching its climate goals is a deployment challenge – not an invention challenge.

LPO provides a bridge to bankability for those technologies to cross the final milestones to commercialization:

- The first commercial-scale deployment, to address the engineering scale-up challenges and demonstrate technology effectiveness at scale;
- The next few commercial-scale deployments, to demonstrate the ability to mitigate construction risks and address engineering optimization;
- Commercial scale-up, to progress along the learning curve, lower costs, and establish customer demand;
- Commercial debt market education, to overcome private debt market misunderstanding and gain commercial debt access.

A few key roles we're looking to fill at LPO...

- **Senior Leadership roles:**
 - Director, Outreach & Business Development Division (ES-301-00)
 - Director, Management & Operations Division (ES-301-00)
- **Multiple Opportunities**
 - General Engineers (Federal Project Engineers) (GS-801, grades 11-15)
 - Direct-Hire Authority
 - Senior Investment Officer (GS-1101-13/14)
 - No DH (requested for IRA)
 - Hard-to-fill

MESC Distinctives

Mission: Strengthen and secure domestic clean energy manufacturing supply chains needed to modernize the nation's energy infrastructure and support the clean energy transition.

Objectives: Catalyze development of a resilient and sustainable energy sector industrial base (ESIB):

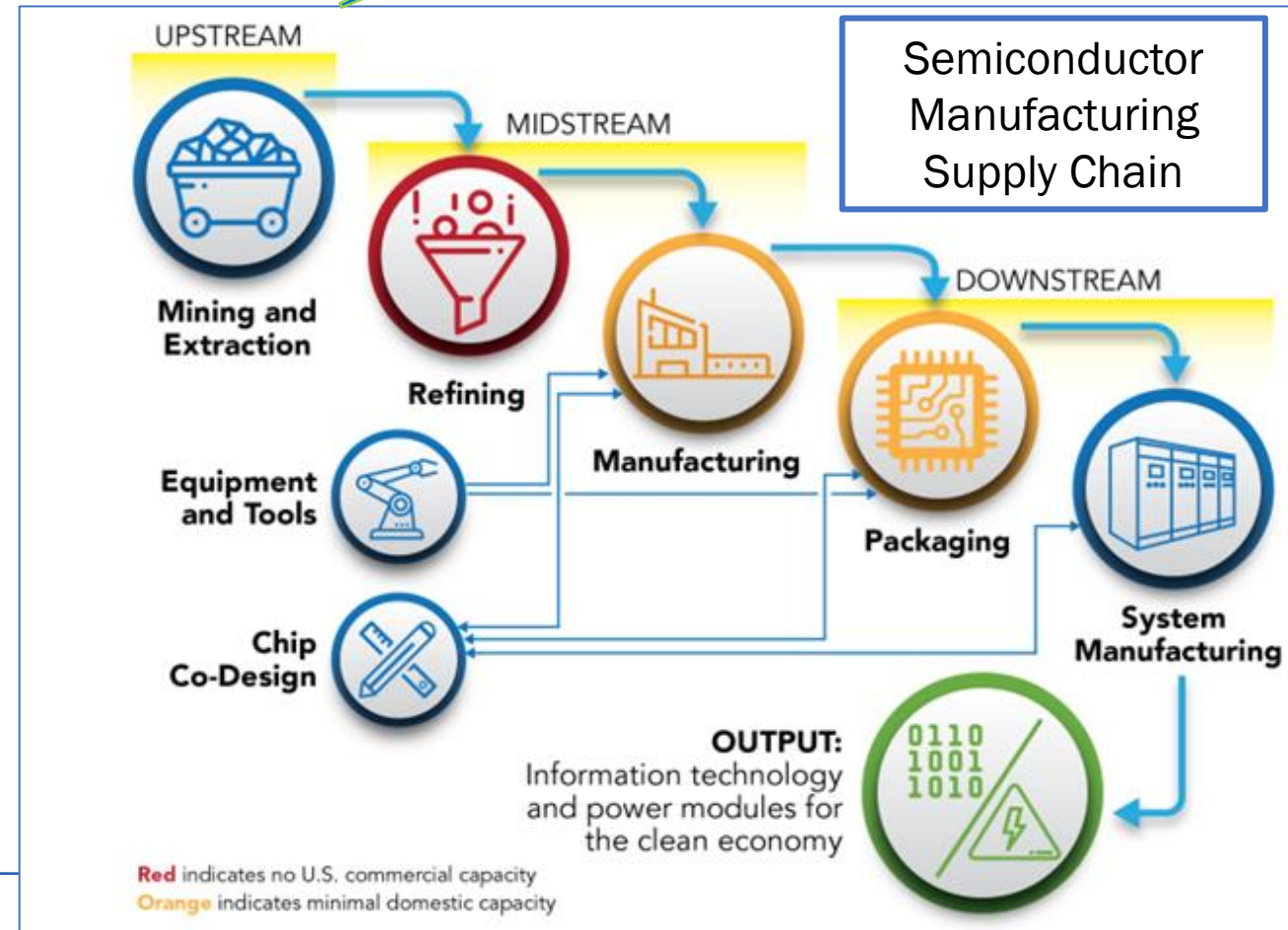
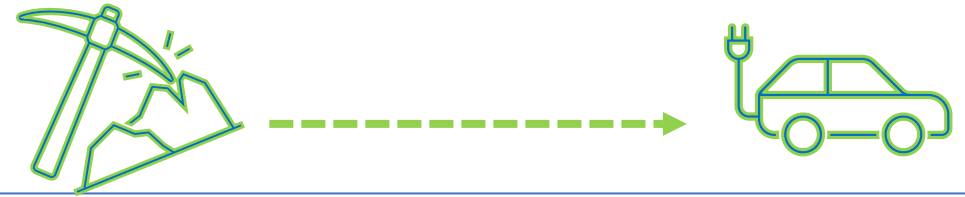
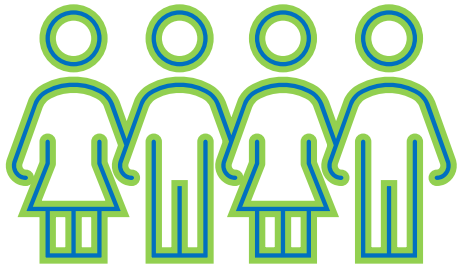
1. **Scale-Up and Deployment** of new manufacturing infrastructure to fill critical ESIB gaps
2. **Support Manufacturing Facility Upgrades** to achieve ESIB Decarbonization Goals
3. Bolster **small and medium manufacturing enterprises** and support **communities in energy transition**.
4. Develop world-class national and regional **energy sector supply chain modeling, mapping, and analysis** tools
5. Develop clean domestic manufacturing **clean energy workforce capabilities** and resources



MESC Distinctives

Mission: Strengthen and secure domestic clean energy manufacturing supply chains

- (1) Install Critical Supply Chain Manufacturing Capacity
- (2) Reduce Industrial Base Carbon Emissions
- (3) Increase Clean Energy Jobs



MESC
MICHIGAN ENERGY SECURITY CENTER

A few key roles we're looking to fill at MESC...

- **Batteries & Critical Materials Processing**
 - Project/ program management
 - supply chain analysis
 - battery knowledge (material processing, manufacturing, recycling)
- **Energy Supply Industrial Base**
 - Supply chain in advanced energy technologies
 - Defense Production Act
 - 48C Investment Tax Credits
 - Market/ Economics awareness
 - Supply chain dynamics knowledge
 - Advanced Energy Technologies experience
 - Technical assessment with large data sets

MESChiring@hq.doe.gov



“Deliver clean energy technology demonstration projects at scale in partnership with the private sector to accelerate deployment, market adoption, and the equitable transition to a decarbonized energy system.”



- 1. Serve as primary office in DOE for delivering full scale clean energy demonstration projects and for project management oversight excellence**
- 2. Help enable 100% clean electricity by 2035 and net zero emissions by 2050 through an equitable energy transition**
- 3. Unlock trillion-dollar scale clean energy investment from the private sector and other sources of capital**
- 4. Maintain risk-based, balanced, and defensible portfolio of investments**
- 5. Leverage private sector partnerships and broader ecosystem engagement to inform OCEd and DOE technology commercialization efforts**

A few key roles we're looking to fill at OCED...

- GS-13: Cost/Procurement Analyst
- GS-14: Project Management, DAC Hubs
- OCEDHiring@hq.doe.gov

Q&A!

Next steps!

- Get in touch!
 - CESER: CESER-HC@hq.doe.gov
 - LPO: LPO@hq.doe.gov
 - GDO: GDOrecruit@hq.doe.gov
 - MESG: MESChiring@hq.doe.gov
 - OCED: OCEDHiring@hq.doe.gov
- [Apply to join the Clean Energy Corps!](#) Use #CECWomen2022 when you apply!
- General questions? Reach out to andre.crombie@hq.doe.gov

