



*Office of*  
Cybersecurity, Energy Security,  
and Emergency Response

# Secure Energy With CESER Information Session

March 16, 2023

# CESER Mission

Strengthen the security and resilience of the U.S. energy sector from cyber, physical, and climate-based risks and disruptions.

## Evolving Threats to Energy Infrastructure



# Priorities

---



Improving security and resilience through **advanced risk analysis**



Using the energy transition to build cybersecurity and resilience into the energy sector **supply chain**



Buying down risks through threat-informed **research, development, and demonstration**



Providing **cybersecurity expertise to all DOE program offices** in order to address cybersecurity in all Department investments



**Building cyber capacity** across industry and state, local, tribal and territorial (SLTT) partners



**Strengthening response and restoration capabilities** in light of increased climate and cyber threats facing the energy sector

# CESER Core Values

---

- **Start with Trust:** Our starting point is our colleagues are working with good intent.
- **Embody a Mission-driven Learning Culture:** We are passionate about our work and team, and support diverse ideas, creativity, and a get-it-done attitude, with a continuous learning approach.
- **Inclusivity is Core:** We welcome and celebrate individual differences.
- **Act with Integrity and Accountability:** As representatives of the Federal Government, strong ethics is an individual priority and expectation for the organization as a whole. We accept responsibility for our actions.
- **Show Respect:** We treat everyone with the common decency we all deserve and expect.
- **Be Transparent:** We act in a transparent manner sharing decisions with colleagues and partners and are committed to open communication.
- **Strive for Excellence:** We aim for high quality and accurate products and take pride in our individual and collective activities.
- **Embrace Teamwork:** Our mission is large and we achieve more together

# Leadership



Puesh M. Kumar  
*Director*



Mara Winn  
*Deputy Director,  
Preparedness,  
Policy, and Risk  
Analysis*



Douglas MacIntyre  
*Deputy Director,  
Office  
of Petroleum  
Reserves*



Andrew Wills  
*Chief of Staff &  
Senior Advisor*



Fowad Muneer  
*Acting Deputy  
Director,  
Risk Management  
Tools & Technologies*



Marsha L.  
Manning  
*Acting Chief  
Operating Officer*



Monica Neukomm  
*Acting Principal Deputy  
Director*



Ken Buell  
*Acting Deputy  
Director,  
Response &  
Restoration*

# Structure

## Preparedness, Policy, and Risk Analysis

- Energy Security Policy and Partnerships
- Exercises, Training, Workforce Development
- Risk Analysis, Resilience, and Recovery

## Risk Management Tools and Technologies

- All-Hazards Tools and Technologies
- Cyber Tools and Technologies

## Response and Restoration

- All Hazards Situational Awareness and Analysis
- All Hazards Response Operations
- Response Preparedness and Support

## Office of Petroleum Reserves

- Planning & Engineer Office
- Operations & Readiness
- Budget & Financial Management Technologies
- Management & Administration
- Reserve Lands Management
- SPR Project Management

Corporate Business Office

Strategic Communications

Front Office



# Partnerships

State, Local, Tribal, and Territorial (SLTT) Governments



Energy Government Coordinating Council (EGCC)



Industry Councils

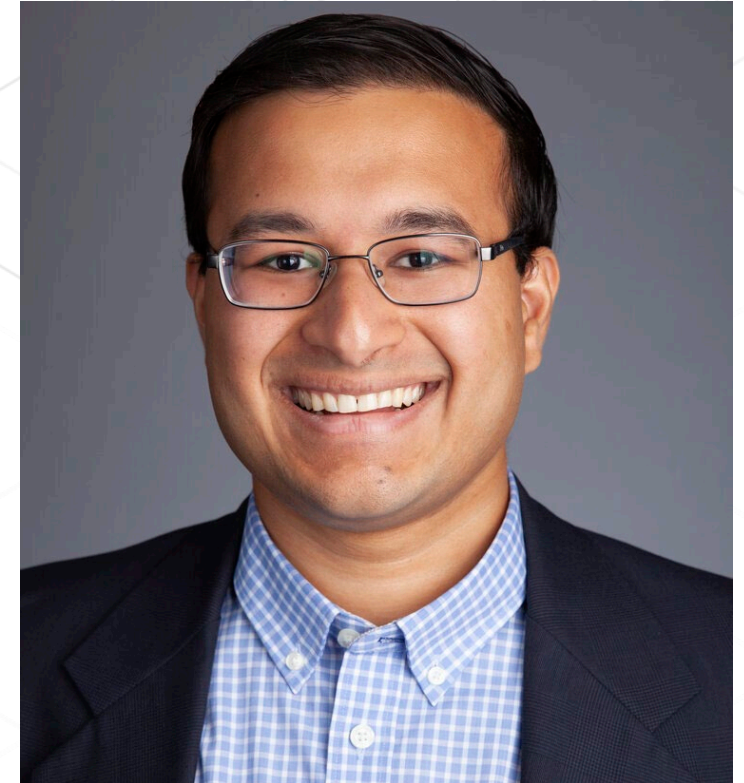


# Divisions



# PPRA Team Profile: Sohum Pawar

- **Management and Program Analyst, Risk Analysis, Resilience, and Recovery**
  - Standing up DOE's Energy Threat Analysis Center Pilot, supporting policy development, helping build out our work on risk analysis + climate impact
- **My favorite thing/What I most enjoy about working at CESER/DOE:**
  - We're a team of *friendly* nerds: we have a passionate, welcoming, no-dumb-questions culture – which is vital, given the stakes of our work
  - Working at CESER was the dream job I didn't know existed – I get to work on national challenges that are personally important, every day
- **CESER Core Value**
  - *Acting with Integrity and Accountability* is at the heart of how CESER operates – our impact depends on our credibility and impartiality
  - Our role is to be a trusted source and honest broker of energy security and resilience advice for the sector, the government, and the public



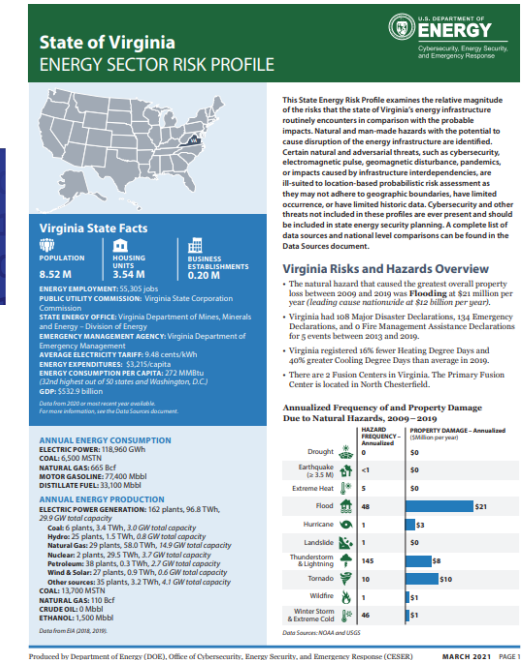
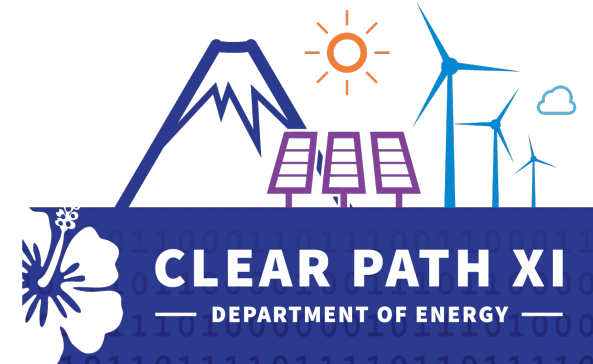
# Preparedness, Policy, and Risk Analysis (PPRA)

The PPRA division leads Department of Energy sector risk management efforts to identify, analyze, and prioritize risks to the sector from all hazards.

PPRA supports and collaborates with government and private sector stakeholders to reduce and mitigate risks through analysis, policy coordination, exercises, training, and workforce development solutions.

The division is organized by:

- Energy Security Policy
- Exercises, Training, Workforce Development
- Risk Analysis, Resilience, and Recovery



Transmission from Wapa.gov, Substation from bpa.gov

# Preparedness, Policy, and Risk Analysis (PPRA) (cont'd)

## WHAT WE DO



Partnerships



Training



All Hazards  
Preparedness



Workforce  
Development



Sector Risk  
Management Agency  
(SRMA) Responsibilities



# RMT Team Profile: Jessica Yoo Perry

- **IT Cybersecurity Specialist (2210) / Cybersecurity RD&D Technical Program Manager**
  - I oversee \$50M cybersecurity Research Development & Demonstration (RD&D) portfolio for Threat Mitigation programs specific to the Energy sector and domestic Critical Infrastructure, programs and pilots.
  - I provide technical advice, counsel and instruction on complex cybersecurity issues and legislation (both draft and enacted) to HQ program offices, DOE field offices, and across federal agencies
- **My favorite thing/What I most enjoy about working at CESER/DOE:**
  - I enjoy the working to solve challenging technical issues with a variety of hardworking and bright colleagues across the Federal government, National Labs, Industry, and Academia.
- **CESER Core Value**
  - Embrace Teamwork. There is a lot of collaboration internal to DOE and external.

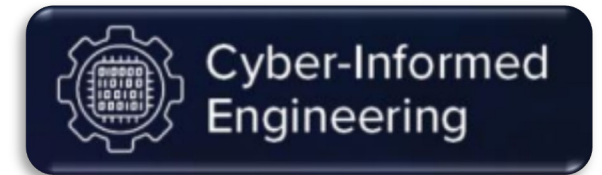


# Risk Management Tools and Technologies (RMT)

RMT leads research, development and demonstration of tools, technologies, and techniques that help mitigate and manage cyber and physical risks to critical energy systems.

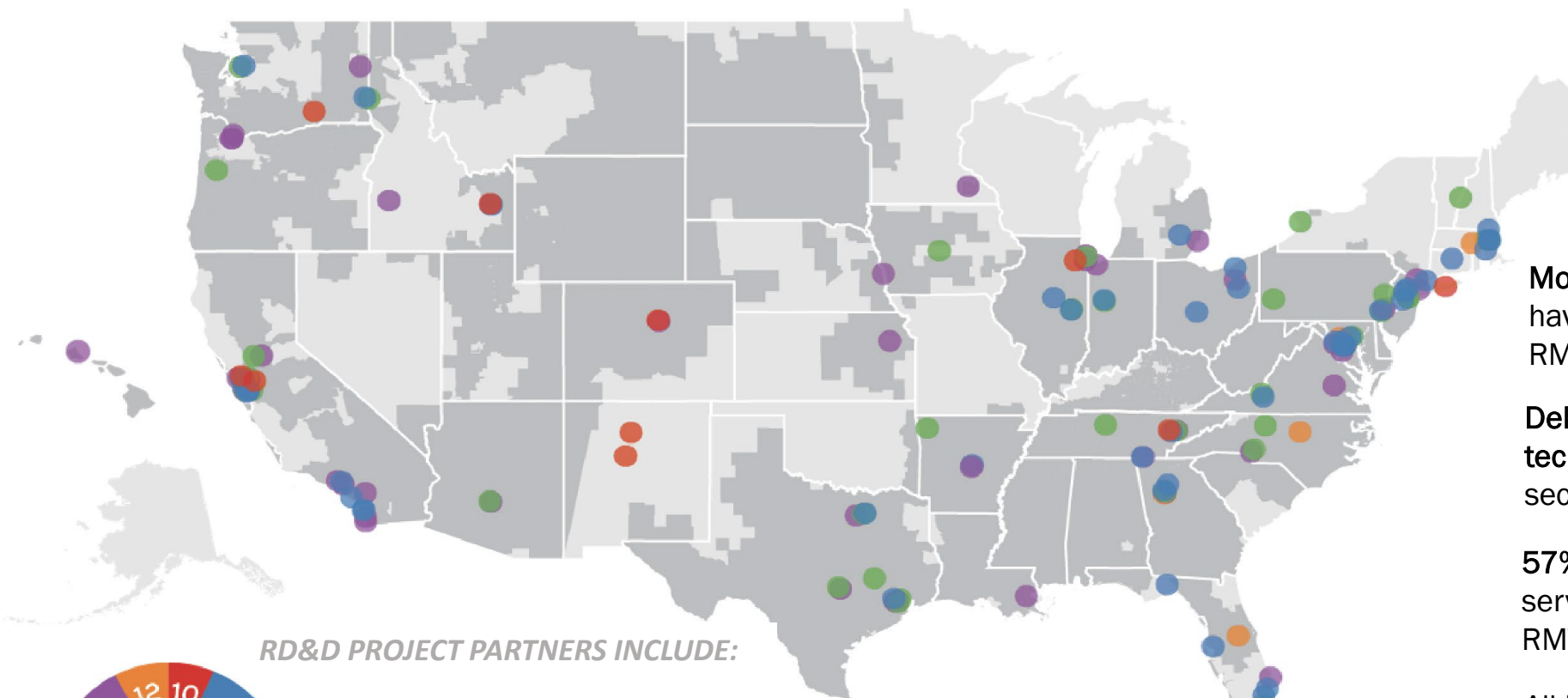
This includes:

- **All-hazards Tools and Technologies** to address natural and human made physical risks to energy systems such as extreme weather, climate change, seismic activity, electromagnetic pulse (EMP) and geomagnetic disturbances (GMD)
- **Cyber Tools and Technologies** that enable innovative protection, detection, and response solutions to address energy delivery systems and supply chain cybersecurity risks and enable situational awareness and information sharing.

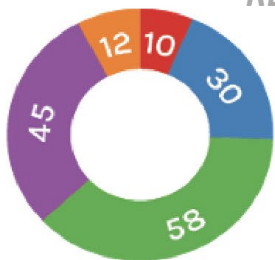


**Energy Cyber Sense**

# Cyber Research, Development, and Deployment



RD&D PROJECT PARTNERS INCLUDE:



NATIONAL LABORATORIES  
UNIVERSITIES  
VENDORS &  
SERVICE PROVIDERS  
ENERGY COMPANIES  
ASSOCIATIONS AND STANDARD  
ORGANIZATIONS

COVERAGE AREA OF  
PARTNER POWER  
PROVIDERS

**More than 1,500 utilities in all 50 states** have purchased products developed under RMT research

**Delivered 80 products, tools, and technologies** since 2010 to reduce energy sector cyber risk

**57% of U.S. electricity customers** are served by power providers participating in RMT R&D

All R&D projects included an energy sector partner to drive **real-world solutions**

**More than 155 partners** have participated in competitively funded projects



# R&R Team Profile: Christian E. Cando

- **Program Manager**

- *Strategic Planning*
  - *Regional Expansion*
  - *ESF #12 Recruitment & Retention*
- *Emergency Response*
  - *Operations*
  - *Liaison to National Response Coordination Center (NRCC)*

- **My favorite thing/What I most enjoy about working at CESER/DOE:**

- Privilege to help our nation in a time of need
- Opportunity to make a difference in the lives of others

- **CESER Core Value:**

- *All CESER Core Values help us to believe in the good of the mission and overcoming adversity, to include the importance of doing something bigger than myself.*



# Response and Restoration (R&R)

R&R is the lead office for Emergency Support Function #12 (ESF#12) under FEMA's National Response Framework. In this role, R&R works with public and private sector partners to facilitate the restoration of damaged energy systems in an all-hazards environment.

This includes:

- All Hazards Situational Awareness and Analysis
- All Hazards Response Operations
- Response Preparedness and Support





169

Days  
Activated

38

Responders  
Deployed



• Three Hurricanes



• One Tropical Storm



• Severe Winter  
Weather



• Flooding



• Wildfires

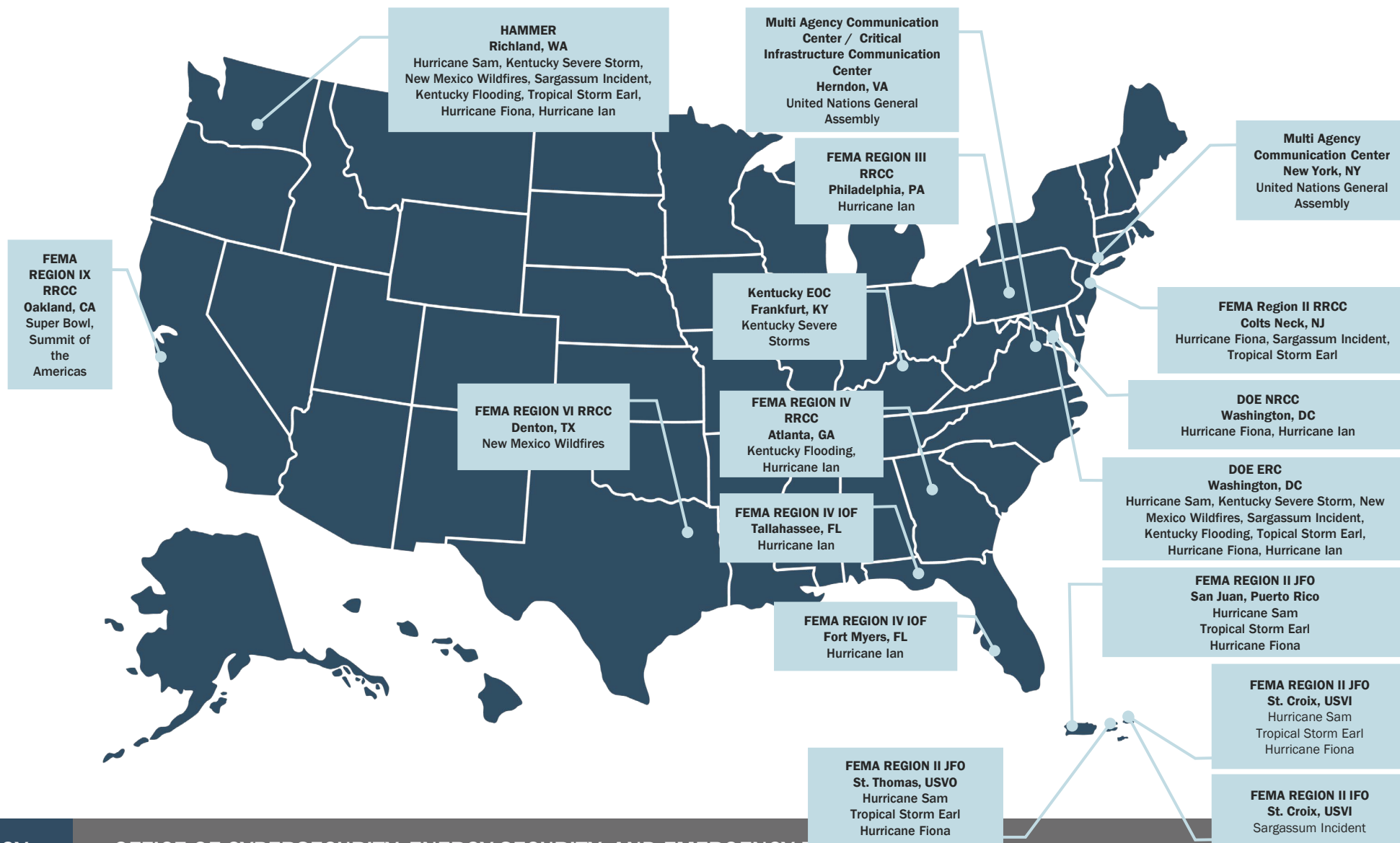


• Sargassum  
Seaweed  
Overgrowth



• Four National  
Special Security  
Events

# 2022 Response Summary



# CBO Team Profile: Walter Yamben

- **Management and Program Analyst/Enterprise Risk Management and Internal Controls Lead**
  - *Analyze operations within the CESER Office to identify risks of fraud, waste, abuse, and/or disruption along with develop methods to mitigate/prevent those risks.*
- **My favorite thing/What I most enjoy about working at CESER/DOE:**
  - I enjoy the attitudes and professionalism of the CBO team. We strive to understand each others roles and how best to work with each other.
- **The CESER Core Value of Transparency is the most crucial in my role.**
  - ERM does not exist in a vacuum and needs all of us to make it work. Transparency is the tool to make ERM and Internal Controls accessible to everyone in the program office.





# Corporate Business Office (CBO)

---

## Mission

Corporate Business Office (CBO) is responsible for Human Capital management, financial management, business operations and administrative operations for the Office of the Cybersecurity, Energy Security, and Emergency Response (CESER). CBO is central to CESER's capacity to meet its mission, goals, and objectives by providing oversight, collaboration, and coordination of corporate-level services in the areas of information technology; project management and evaluation; internal controls and reporting, and workforce administration.

## Functions

- Human Capital Management and Administration
- Operations, Procurement, and Financial Services
- Budget Services

# We Are Hiring!

---

## Career Opportunities

- Cyber Security Specialists
- R&D Technology Managers
- Regional Preparedness and Response Experts
- Energy Policy Experts
- Risk Analysts
- Supervisory Program Managers
- Management and Program Analysts
- Engineers
- Budget and Finance Analysts
- Operations Support Resource Managers
- External Affairs Specialists

**Save search term “CESER” at USAjobs.gov to see upcoming postings**

**Use #SecureEnergyWithCESER when applying through**

**<https://www.energy.gov/applicant-portal>**

**For inquiries and more information reach out to [CESER-HC@hq.doe.gov](mailto:CESER-HC@hq.doe.gov)**





# Save Your CESER Search on USAJOBS

An official website of the United States government

**USAJOBS** Michelle Help

Keywords: CESER Location or Remote: City, state, zip, country or type remote Search Search tips


  Save this search. We'll email you new jobs as they become available.

**Save search**

Name Required:

Notification frequency:

Cancel Save

 Save Job

Principal Deputy Director for the Office of Cybersecurity Energy Security and Emergency Response


Department of Energy - Agency Wide

Department of Energy

Washington, District of Columbia

Office of Cybersecurity, Energy Security, and Emergency Response

Starting at \$185,335 Per Year (ES 00)



Open 03/02/2023 to 03/16/2023

# Questions?



@DOE\_CESER



[linkedin.com/company/office-of-cybersecurity-energy-security-and-emergency-response](https://linkedin.com/company/office-of-cybersecurity-energy-security-and-emergency-response)



[energy.gov/CESER](https://energy.gov/CESER)



*Office of*  
Cybersecurity, Energy Security,  
and Emergency Response

# Secure Energy With CESER Information Session

March 16, 2023