



July 11-12, 2023 | New Orleans Marriott | New Orleans, Louisiana

**AMERICAN CLEAN ENERGY POWERED BY SMALL BUSINESSES**



# Doing Business with DOE's Office of Fossil Energy and Carbon Management (FECM), the National Energy Technology Laboratory (NETL)

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# The National Energy Technology Laboratory

## Organization Snapshot

### MISSION

Driving innovation and delivering solutions for an environmentally sustainable and prosperous energy future:

- Ensuring affordable, abundant and reliable energy that drives a robust economy and national security, while
- Developing technologies to manage carbon across the full life cycle, and
- Enabling environmental sustainability for all Americans.

### VISION

To be the nation's premier energy technology laboratory, delivering integrated solutions to enable transformation to a sustainable energy future.

### MAJOR INITIATIVES

- Decarbonization & Carbon Management
- Environmentally Sustainable Supply Chains
- Integrated Energy & Industrial Systems
- Advanced Data & Computing Solutions for Applied Energy Challenges

### 3 RESEARCH LABS & 2 STRATEGIC OFFICES



- One of 17 DOE national laboratories
- One of three applied research national labs
- Government owned & operated
- 1000+ R&D projects in 50 states
- \$5.0B total award value
- \$1.3B FY23 budget

### IMPLEMENTS R&D PROJECTS FOR DOE'S OFFICES OF:

- Fossil Energy & Carbon Management
- Energy Efficiency Renewable Energy
- Electricity
- Cybersecurity, Energy Security, & Emergency Response
- Manufacturing, & Energy Supply Chains
- Grid Deployment
- Clean Energy Demonstrations

## NETL Snapshot

### By the Numbers

3 labs across U.S.

1000+ R&D projects in 50 states

\$5.0B total award value

\$1.3B FY23 budget

### Workforce

1,470

Full Time  
Equivalent  
Employees (FTEs)

31

Joint Faculty

7

Postdoctoral Researchers

12

Graduate Students

2

Undergraduate Students

Federal  
554

Contractor  
916

*Breakdown includes both NETL base  
and BIL positions.*

*Updated February 2023*

**NETL manages & implements an array of activities for multifaceted R&D programs**

- Program planning, development, and execution
- Legal, financial, procurement and Head of Contracting Activity (HCA)
- Project management expertise

## Partnering with NETL



### The TOOLBOX



- Cooperative Research and Development Agreement (CRADA)
- Contributed Funds-In Agreement (CFA)
- Memorandums of Understanding (MOU)/ Memorandums of Agreement (MOA)
- Interagency Agreements (IAA)

- Interinstitutional Agreements (IIA)
- Small Business Innovation Research (SBIR) & Small Business Technology Transfer (STTR) Programs
- Unsolicited Proposals (USP)
- Non-disclosure Agreement (NDA)
- Funding Opportunity Announcement (FOA)

### Available Technologies

- NETL's technology portfolio contains a broad range of innovations that have resulted from research
- Technologies and intellectual property available for licensing on NETL's website

#### Available Technologies:

<https://www.netl.doe.gov/business/tech-transfer/available-technologies>

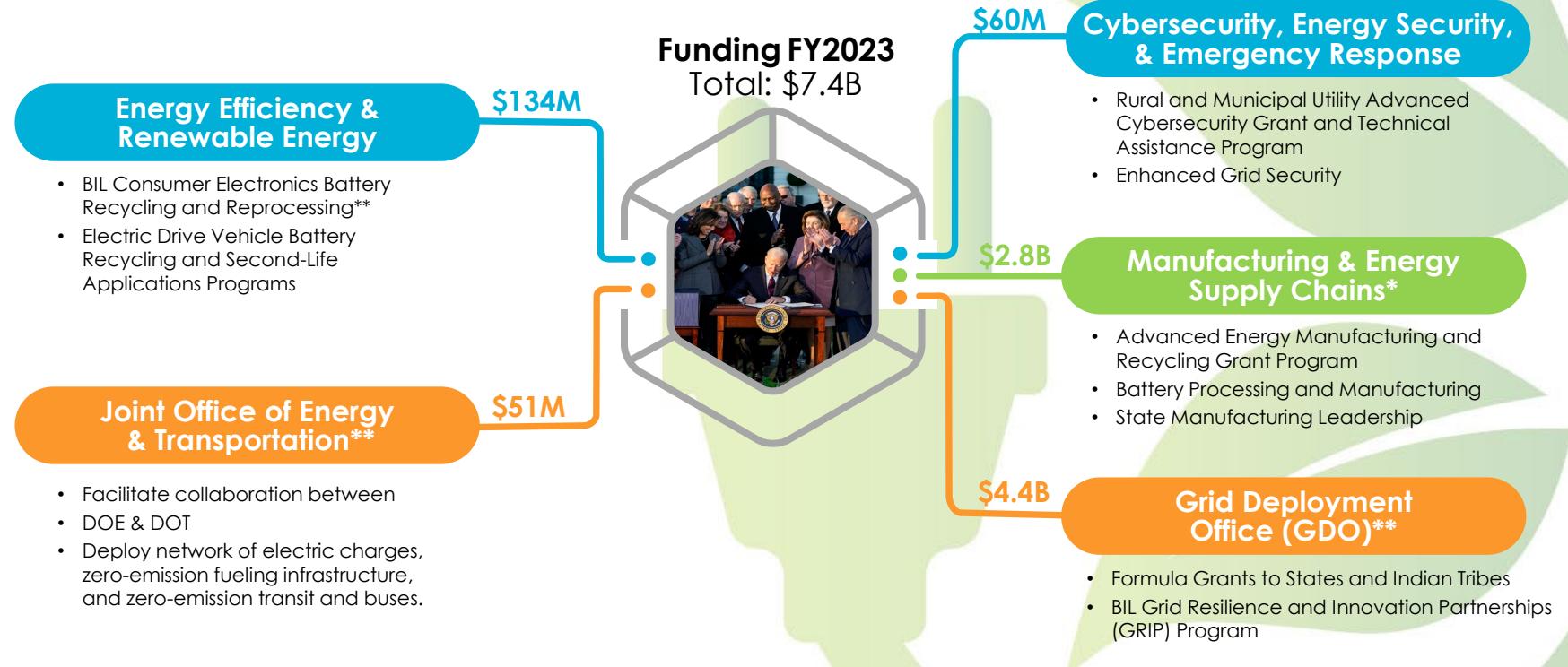
### Funding Opportunity Announcement (FOA)

- NETL uses FedConnect.net, Grants.gov and SAM.gov to post FOAs
- Proposals and applications are only accepted electronically through FedConnect.net or Grants.gov

#### Funding Opportunities:

<https://www.netl.doe.gov/business/solicitations>

## BIL Support to DOE Offices



\*Acquisition at NETL Project Management at HQ

\*\*Availability of funds or schedule delays could cause some funding to be awarded in FY24

## Inflation Reduction Act (IRA) Investment

**\$150M** to support modernization at all 3  
NETL research sites, including:

- ▶ Alloy Development
- ▶ Computation, Data & Visualization
- ▶ Process Development
- ▶ Site-wide Infrastructure Upgrades

- Largest investment in climate and energy in American history, putting the US on a pathway to achieving the administration's climate goals, including a net-zero economy by 2050.



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## Top 10 NAICS Codes by Dollars in FY2022

NAICS Code	NAICS Description	Dollars (Millions)
541715	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES	\$130.6
541330	ENGINEERING SERVICES	\$44.7
561210	FACILITIES SUPPORT SERVICES	\$42.7
541512	COMPUTER SYSTEMS DESIGN SERVICES	\$22.1
541519	OTHER COMPUTER RELATED SERVICES	\$9.2
541611	ADMINISTRATIVE MANAGEMENT & GENERAL MANAGEMENT CONSULTING SERVICES	\$5.4
541612	SECURITY GUARDS AND PATROL SERVICES	\$4.7
213112	SUPPORT ACTIVITIES FOR OIL AND GAS OPERATIONS	\$3.2
334111	ELECTRONIC COMPUTER MANUFACTURING	\$2.2
334516	ANALYTICAL LABORATORY INSTRUMENT MANUFACTURING	\$1.9

## Prime Contract Overview

<b>TITLE</b>	<b>CONTRACTOR NAME</b>	<b>AWARD NUMBER</b>	<b>PERFORMANCE PERIOD (INCLUDING OPTIONS)</b>
Information Technology Support Services (ITSS) *	Maximus Federal Consulting LLC (Awarded Small now Large Business)	DE-DT0013924	2/01/2018 to 7/31/2023
Site Security Services	Diversified Protection Corporation (8a SDB)	89243319FFE400140	2/1/2020 to 1/31/2025
Site Operations Services (SOS)	WE2 Support Service 8A JV, LLC (8a SDB)	89243320CFE000041	4/1/2020 to 3/31/2025
Research Support Services (RSS)	Leidos Innovations Corporation (Large Business)	89243318CFE000003	12/31/2018 to 12/30/2028
Strategic Analysis (SA)	KeyLogic Systems, LLC (Large Business)	89243323CFE000075	02/01/2023 to 01/31/2028
Mission Execution (ME)	KBC Energy Solutions LLC (Small Business)	89243323CFE000074	04/01/2023 to 03/31/2028

\*NETL awarded an interim ITSS task order HHSN316201200117W/89243323FFE400466 to Maximus for a base period of nine months with a single option for three months of services.

## Simplified Acquisition/Micro-Purchase Overview

- NELT procurements \$10K-\$250K set-aside for small business opportunities and socio-economic sub-categories
  - SB research performed for Government Purchase Card/Micro-purchase actions - threshold value <\$10K
- Use of Existing Contract Vehicles
  - Category Management / Best-in-Class (BIC) contract vehicles: designated by the Office of Management and Budget (OMB) as preferred governmentwide solutions
  - Increase in use of existing Government-Wide Acquisition Contracts (GWACs) and Schedules (i.e.: GSA, NASA SEWP, NITAAC) with SB's targeted
- FY22 Summary of "Awards"
  - 82 Purchase Orders with a total value of \$6.3M
  - > 1,000 Purchase Card awards with a total value of \$2.4M
  - 90 Delivery/Task Orders with a total value of \$10M

## Construction/A&E Overview

- ❑ Annual construction budget is ranges from \$15M - \$20M with number of construction projects ranging around 25 to 30 per year.
- ❑ To fulfill the construction requirements, the Government utilizes subsets of small business (8(a), HubZone, SDVOB, WOSB, etc.) construction contractors through competitive and non-competitive awards.
- ❑ In addition to NETL's annual construction program, we have embarked upon a \$150M construction program with funding from the Inflation Reduction Act.
  - Advanced Alloy Development Facility (Albany OR)
  - Computational Science & Engineering Center (Morgantown WV)
  - Geoscience, Environmental, & Material (GEM) Computational Visualization Center (Albany OR)
  - Process Development Laboratories – CO<sub>2</sub> Utilization & Critical Materials (Pittsburgh PA)
  - ESNet upgrade (equipment at all 3 NETL sites)
  - General sitewide upgrades and modernization (all 3 NETL sites)

# Forecast Opportunities\*

**Program/Site Office Name:** National Energy Technology Laboratory

**Type of Acquisition:** Information Technology Support Services 2 (ITSS2)

**Acquisition Description:** Support for Information Technology (IT) operation and maintenance functions, inclusive of Enterprise IT, Cybersecurity, High Performance Computing, Research IT.

**Type of Action:** Small Business (Tentative) | **NAICS Code:** 541512

**Estimated Dollar Range:** \$100M-\$200M | **RFP Release Date:** Late FY23/Early FY24

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**Program/Site Office Name:** National Energy Technology Laboratory

**Type of Acquisition:** Site Operation Support Services

**Acquisition Description:** Wide range of infrastructure, installation, and operational support services at the NETL Albany, OR; Morgantown, WV; and Pittsburgh, PA sites.

**Type of Action:** 8(a) Competitive | **NAICS Code:** 561210

**Estimated Dollar Range:** \$200-300M | **RFP Release Date:** FY 2024

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*\*Opportunity forecasts are subject to change at the discretion of the Contracting Officer.*

# Forecast Opportunities\*

**Program/Site Office Name:** National Energy Technology Laboratory

**Type of Acquisition:** Site Security Services

**Acquisition Description:** Provide a wide range of routine and emergency site security support services at the NETL Albany, OR; Morgantown, WV; and Pittsburgh, PA sites.

**Type of Action:** 8(a) Competitive | **NAICS Code:** 561612

**Estimated Dollar Range:** \$10M-\$20M | **RFP Release Date:** FY 2024

**Contact Info:** Mathew Gibson, [Mathew.Gibson@netl.doe.gov](mailto:Mathew.Gibson@netl.doe.gov), (304) 285-0275

*\*Opportunity forecasts are subject to change at the discretion of the Contracting Officer.*

## Suggested Resources

- **DOE OSDBU Acquisition Forecast**

[www.energy.gov/osdbu/acquisition-forecast](http://www.energy.gov/osdbu/acquisition-forecast)

- **NETL Site Support Electronic Reading Room**

[www.netl.doe.gov/business/site-support](http://www.netl.doe.gov/business/site-support)

- **NETL Small Business Corner**

[www.netl.doe.gov/small-business](http://www.netl.doe.gov/small-business)

- **System for Award Management**

<https://www.SAM.gov>

- **FedConnect (Search Public Opportunities)**

[www.fedconnect.net](http://www.fedconnect.net)

- **NASA SEWP V**

<https://www.sewp.nasa.gov>

- **GSA E-Library**

<https://www.gsaelibrary.gsa.gov/ElibMain/home.do>

# Questions & Assistance

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