

# Doing Business with the Office of Fossil Energy

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[FOSSIL.ENERGY.GOV](http://FOSSIL.ENERGY.GOV)

## MISSION

The U.S. Department of Energy's Office of Fossil Energy (FE) plays a key role in helping the United States meet its continually growing need for secure, reasonably priced and environmentally sound fossil energy supplies. Put simply, FE's primary mission is to ensure the nation can continue to rely on traditional resources for clean, secure and affordable energy while enhancing environmental protection.

## Office of Fossil Energy

The Energy Department's Fossil Energy organization is made up of about 1,000 scientists, engineers, technicians and administrative staff. Its headquarters offices are in downtown Washington, DC, and in Germantown, Maryland. The organization also includes the National Energy Technology Laboratory with offices in Morgantown, WV, Pittsburgh, PA, Sugar Land, TX, Albany, OR, and Anchorage, AK; the Strategic Petroleum Reserve based in New Orleans, LA; and the Rocky Mountain Oilfield Testing Center in Casper, Wyoming.

The Office of Fossil Energy is responsible for several high-priority initiatives including implementation of the \$2 billion, 10-year Clean Coal Power Initiative to develop a new generation of environmentally sound clean coal technologies, the Fossil Energy elements of the American Recovery and Reinvestment Act of 2009, and the nation's Strategic Petroleum Reserve and Northeast Home Heating Oil Reserve, both key emergency response tools available to the President to protect Americans from energy supply disruptions.

### Services

Petroleum Reserves  
International Cooperation  
Natural Gas Regulation  
Advisory Committees

### Science & Innovation

Clean Coal  
Carbon Capture & Storage  
Oil & Gas

# Small Businesses Make Up 25% of Fossil Energy's Acquisition Procurement Base

**Small Business Total**

**\$112,127,125**

- **Small Disadvantaged Non-(8a)** \$ 25,333,433
- **8(a)** \$ 37,512,344
- **Woman-Owned** \$ 20,049,666
- **HubZone** \$ 8,831,482
- **Service-Disabled & Veteran-Owned** \$ 9,432,715

# Fossil Energy Opportunities in FY2014

- Management Support Services
  - Administrative & Management Support of Clean Power Generation for the U.S. DOE, Office of Clean Energy Systems.
  - 8A Set Aside for Small Business
  - Estimated Dollar Range: \$9M-\$10M
- Management Support Services
  - Technical & Management Support of Clean Power Generation for the U.S. DOE, Office of Clean Energy Systems.
  - Set Aside for Small Business
  - Estimated Dollar Range: \$14M-\$15M
- Engineering Services
  - Provide Engineering Services to the Office of Clean Energy Systems (OECS) in the Office of Clean Coal
  - Set aside for Small Business
  - Estimated Dollar Range: \$5M - \$10M

# Fossil Energy Opportunities in FY2014

- Information Technology
  - Graphics Design Services, Custom Computer Programming Services, Computer Systems Design Services, Other Computer Related Services.
  - Set Aside for Small Business
  - Estimated Dollar Range: \$1M-\$5M
- Mission Execution and Strategic Analysis (MESA) Support Services
  - Mission Execution and Strategic Analysis Support Services for National Energy Technology Laboratory NETL, Office of Fossil Energy.
  - 100% Set Aside for Small Business
  - Estimated Dollar Range: \$35M
- Research and Development
  - Research and Development – Implementation and Support Service (RADIS) for National Energy Technology Laboratory NETL, Office of Fossil Energy.
  - Set Aside for Small Business
  - Estimated Dollar Range: \$TBD

# National Energy Technology Laboratory

- Full-service DOE federal laboratory
  - Program planning
  - Budget formulation and execution
  - Procurement
    - Contracting & financial assistance
  - Project management
    - Including NEPA
  - Legal
  - Financial management & reporting
  - Onsite research
  - Program performance & benefit analysis
- Dedicated to energy RD&D, domestic energy resources
  - Fossil Energy
  - Support Offices of Electricity and Energy Efficiency
- Fundamental science through technology demonstration
- Unique industry–academia–government collaborations



# Responsible for Substantial Infrastructure

- Pittsburgh, PA, and Morgantown, WV
  - Facilities 65 miles apart
  - 61 acres (Pittsburgh) and 137 acres (Morgantown)
  - 80 permanent and temporary buildings, > 969,000 sq. ft.
- Sugar Land, TX, and Anchorage, AK
  - Housed in leased space
    - 3,100 sq. ft. (Texas)
    - 750 sq. ft. (Alaska)
- Albany, OR
  - 44 acres
  - 38 buildings, > 258,000 sq. ft.
- Fleet of ~65 federal vehicles



*Technology Support Facility, Morgantown*

# Site-Support Contractors Assist Lab Operations

## Alliant Enterprises JV, LLC

Small Business

*Information Technology Operations & Maintenance Support Services (ITOMS)*

**AEJV**

## Booz Allen Hamilton, Inc.

Large Business

*Energy Sector Planning and Analysis Services (ESPA)*

Booz | Allen | Hamilton

## Goldbelt Eagle, LLC

Alaska Native Small Disadvantaged  
8(a) Business  
*Site Operations Services (SOS)*

 **GOLDBELT  
EAGLE**

## KeyLogic Systems, Inc.

Small Business

*Project Execution and Integration Services (PEI)*

 **KeyLogic  
Systems**

## Leonardo Technologies, Inc.

Small Business

*Program and Performance Management Services (PPM)*

**LTI** 

## Smart Data Solutions

Small Disadvantaged Veteran- and  
Minority-Owned 8(a) Business  
*Support Administrative Services (SAS)*

**SDSE**  
Smart People. Smart Solutions.

## URS Corporation (URS Washington Division)

Large Business

*Research and Engineering Services (RES)*

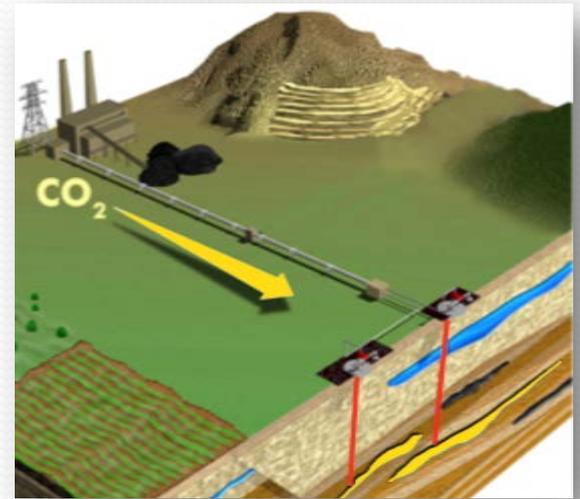
**URS**

# Establishing Strong National Laboratory Research Alliances

## *Carbon Capture Simulation Initiative (CCSI)*



## *National Risk Assessment Partnership (NRAP)*



Identify Promising Concepts



Develop Optimal Designs



Quantify Technical Risk in Scale-up



Lawrence Berkeley National Laboratory



Lawrence Livermore National Laboratory



*Accelerate Learning During Development & Deployment*



# NETL Procures Support / Supplies Through Contracts, Simplified Acquisitions, & Micro-purchases

## Contracts

- >\$150,000, Except for Commercial Items

## Simplified Acquisition

- \$25,000 - \$150,000, FedConnect & FedBizopps
- \$15,000 - \$25,000, FedConnect
- \$3,000 - \$15,000, Oral Quotes

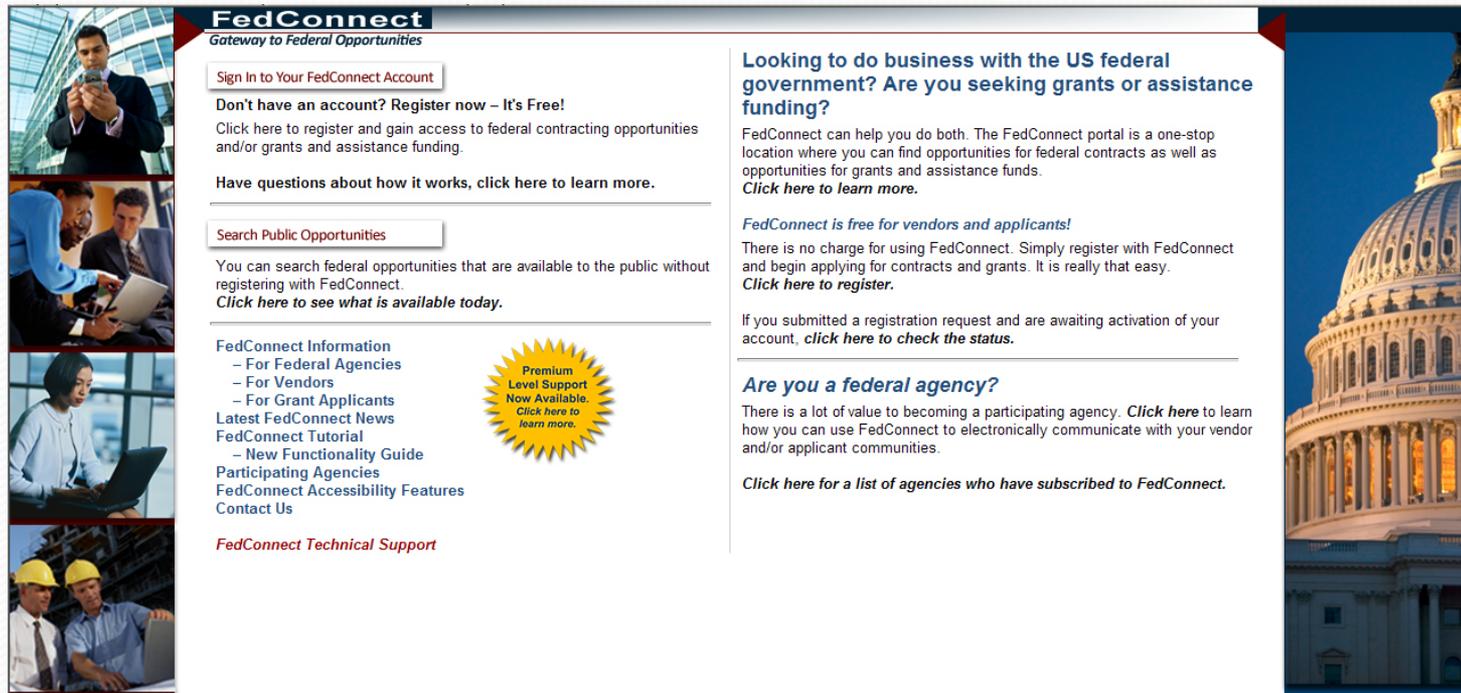
## Micro-purchases

- <\$3,000, Purchase Card

# Acquisition Through FedConnect

FedConnect is an online marketplace where DOE and other Federal agencies post opportunities and make awards.

Any vendor can view public postings at [www.FedConnect.net](http://www.FedConnect.net)



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**Looking to do business with the US federal government? Are you seeking grants or assistance funding?**

FedConnect can help you do both. The FedConnect portal is a one-stop location where you can find opportunities for federal contracts as well as opportunities for grants and assistance funds.  
[Click here to learn more.](#)

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# Small Business Partnerships

## *SBIR and STTR*

- Established under the Small Business Innovation Development Act of 1982 with the aim of strengthening small business involvement in federally-funded research
- Through FY2011 over 135,500 awards have been made totaling more than \$32.8 billion
- SBIR/STTR Reauthorization Act of 2011 extends these programs through September 2017



# Small Business Partnerships

## *SBIR and STTR*

Each year DOE invites small businesses to apply for SBIR and STTR grants

- **Solicitations contain technical topics in energy-related research areas**
- **Grant applications MUST respond to a specific technical topic and subtopic**
- **Small businesses that win awards in these programs keep the rights to any technology developed and are encouraged to pursue commercialize**

# Small Business Partnerships

## *SBIR and STTR*

### **SBIR and STTR programs have three phases**

- **Phase I explores the feasibility of innovative concepts with awards up to \$150,000 for SBIR and \$100,000 for STTR, duration is about 9 months**
- **Phase II focuses on the principal R&D effort, with awards up to \$1,000,000 for SBIR awards and \$750,000 for STTR awards, over a two-year period**
- **Only Phase I award winners may compete for Phase II funding**

# Small Business Partnerships

## *SBIR and STTR*

- **Phase III, in which non-Federal funding is used by the small business to pursue commercial applications**
- **Under Phase III, Federal agencies may award non-SBIR/STTR-funded, follow-on grants or contracts for products or processes that meet the mission needs of those agencies, or for further R&D**

## **What are the chances of winning?**

- **Proposal-to-award ratios are about 5-to-1 for Phase I and 2-to-1 for Phase II**

# Doing Business with Fossil Energy

## *Unsolicited Proposals*

### Unsolicited proposal

- **Application for support of an idea, method, or approach submitted by an individual, business, or organization solely on the proposers initiative**

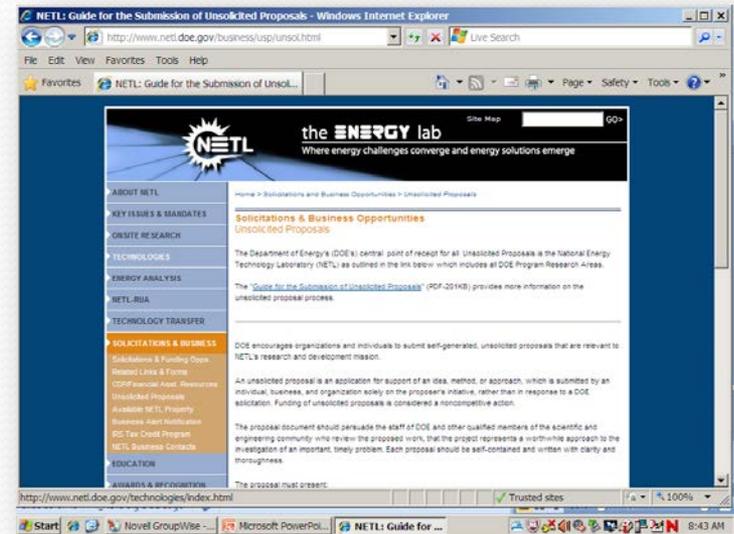
FE considers proposals in all areas of energy and energy-related R&D, with emphasis on long-term, high-risk, high-payoff technologies

# Doing Business with Fossil Energy

## *Unsolicited Proposals*

### Unsolicited proposals must:

- **Demonstrate unique and innovative concepts by or capabilities of the submitter; or**
- **Offer a concept or service not otherwise available to the Federal government; and**
- **Not resemble the substance of a pending competitive solicitation**



<http://www.netl.doe.gov/business/usp/unsol.html>



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# For More Information



*Office of Fossil Energy*  
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**NETL**  
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