The U.S. Department of Energy (DOE), National Energy Technology Laboratory (NETL),

intends to issue a competitive Request for Proposal (RFP) 89243321RFE000050 as an unrestricted full and open competition for Strategic Analysis (SA). Anticipated work assignments for this service contract would support activities across all NETL sites, with primary on-site presence in Morgantown, WV and Pittsburgh, PA, and include travel to other DOE locations. The resulting contract will be a cost-plus award-fee contract with a base performance period of three years and one two-year option period. The anticipated award date for the resulting contract will be in November 2021 with an effective date of April 2022.

The National Energy Technology Laboratory (NETL) requires contractor support services to fulfill its mission of driving innovation and delivering solutions for an environmentally sustainable and prosperous energy future. These services are to provide high-quality, flexible, and timely technical and associated administrative support for strategic systems analysis and engineering, laboratory-wide strategic planning, program planning and partnerships. Resulting benefits of this support will ensure NETL’s position as the nation’s premier energy technology laboratory, delivering integrated solutions to enable transformation to a sustainable energy future.

This support requires expertise in a multitude of scientific, engineering, mathematical, business, and economic disciplines with deep experience applying these disciplines to the U.S. energy and industry systems considering both existing energy technologies and systems as well as emerging and innovative technologies and system designs.

The support shall focus on four major types of activities: (1) planning for the strategic direction of NETL and the programs implemented at NETL; (2) conducting comprehensive energy analysis across a range of scales from energy markets, resource availability and distribution, to technoeconomic and life cycle analysis of specific programs, technologies and systems; (3) the development and application of modeling and analysis tools and capabilities that address emerging challenges that cannot be adequately addressed with existing approaches; and (4) identification and cultivation of partners and sponsors/customers for NETL R&D and analysis, enabling technology transfer and maturation, ultimately expanding and enhancing the national impact of NETL capabilities.

Specific functions/activities to be performed include, but are not limited to, strategic planning, energy and economic trend and scenario analysis, program and portfolio guidance and assessment, design, optimization, and analysis of integrated energy systems, novel energy technology assessment, energy model development and enhancement, and sponsor/partnership development and technology transfer. Competencies and experience required encompass expertise in strategic planning and program support, process systems engineering research, energy process and cost assessment, life cycle analysis, energy and financial markets, subsurface technologies and resource analysis, and business capture and technology transfer. Expertise must also span the technology space associated with carbon management and high-efficiency energy technology solutions, technology for environmentally sustainable energy security (e.g. oil & gas production, minerals sustainability), water treatment, electricity grid, architecture, fuel delivery, and fuel and energy storage, crosscutting technologies associated with the above (e.g. materials, sensors & controls), and other applications of NETL core capabilities.

The North American Industrial Classification System (NAICS) code for this effort is 541330 with a small business size standard of $41.5M. All responsible business sources may submit a proposal which shall be considered by the agency.

A draft of RFP 89243321RFE000050 is anticipated to be available for downloading during the third quarter of the Government’s Fiscal Year 2021 on FedConnect [(https://www.fedconnect.net/Fedconnect/](file:///\\prod65-fs3\common\Common\SSC\STEERING_COMMITTEE\SSC%20IOC\SEB-SA\RFP\(https:\www.fedconnect.net\Fedconnect\)) and Beta.Sam.Gov (<https://beta.sam.gov/>). Interested parties may submit comments on the draft RFP in accordance with the instructions provided with its release. Subsequently, the final RFP 89243321RFE000050 (as revised based on comments and determinations made from the draft) is anticipated to be available for downloading during the late third quarter or early fourth quarter on FedConnect (<https://www.fedconnect.net/Fedconnect/>) and Beta.Sam.Gov (<https://beta.sam.gov/>).

Once the final RFP is issued, the proposal and all questions must be submitted electronically through FedConnect. Only those questions posted to FedConnect will be accepted. You must register with FedConnect to respond as an interested party to submit questions, and to view responses to questions. Questions and answers will also be posted to the electronic reading

room available at the following Web address: <http://netl.doe.gov/business/site-support>.

Questions will not be answered over the phone. The Contracting Officer must receive questions regarding the request for proposal (RFP) via FedConnect no later than ten (10) business days prior to the established due date for proposals. The Government reserves the right to not respond to any questions received after this timeframe. All responses to the solicitation questions will also be released on FedConnect referencing the RFP number, with copies of both questions and answers, without reference to the originating sources. This is an electronic RFP therefore no hard (paper) copies of the RFP and related documents will be made available.

Once the RFP is posted, you will be able to find the RFP by clicking on “Search Public Opportunities” and search by the RFP Number, 89243321RFE000050. Please bookmark this page and check it frequently for updates to the RFP. It is highly recommended that once you access the opportunity that you request to be alerted for amendments, messages, and any e-mail alerts associated with the RFP. To do so, you will need to click on the “Register to Receive Notifications” button under “What do I do now?”. If someone from your company has already registered interest for this opportunity, the “Register to Receive Notifications” button will not display. Instead, you will have the option to join the response team by clicking the Join the Team button within the Response Team section.

Information regarding how to submit information via FedConnect can be found at

https://www.fedconnect.net/FedConnect/Marketing/Documents/FedConnect\_Ready\_Set\_Go.pdf

Please note - FedConnect is owned and operated by Compusearch Software Systems Inc., not by the Department of Energy and DOE does not provide help desk assistance for FedConnect. For assistance with FedConnect, please contact FedConnect by e-mail: [support@FedConnect.net](mailto:support@FedConnect.net), or by phone: 1-800-899-6665 (8:00 a.m. to 8:00 p.m., Eastern Daylight Time, except Federal holidays).