



Supplier Opportunities: Molten Chloride Fast Reactor Program

The following paragraphs summarize areas in which TerraPower plans to engage supplier support for system and equipment development as part of the Molten Chloride Fast Reactor (MCFR) Program. This is a current list of potential opportunities and may be updated periodically. Some of the items or design features may be classified as important to safety or nuclear safety-related; as such, work will need to be performed under a quality program meeting the applicable requirements (e.g., NQA-1, ASME). Program development work will focus initially on process development and testing of components and features that can perform in the reactor molten salt environment with operating temperatures at 500-1000C.

To be considered as a potential supplier for any opportunities listed below:

Complete the registration form at <http://www.terrapower.com/suppliers> to share information about your company's capabilities with us.

Expression of Interest (EOI-2018-04): MCFR Integrated Effects Test (IET) Design-Procurement-Construction

This project is funded by a US DOE grant. Only US domestic suppliers are eligible to participate; small and disadvantaged business are urged to express interest.

Suppliers indicating interest will be screened for qualification, and may be invited to participate in pre-RFP Supplier meetings hosted at TerraPower offices in early July. TerraPower is planning to issue the RFP soon after with the estimated project award in September.

TerraPower requires a supplier to complete final detailed design, including stamped fabrication & construction drawings, procurement, fabrication, and installation of the IET at the TerraPower facility in Everett, WA. Prefabricated modular construction as well as site build construction methods may be proposed to maximize cost savings and promote quality of work.

The scopes' of Statement of Work (SOW) consists of the following sections:

- Design scope: including final piping design & stress analysis, structural design & seismic analysis, instrument & electrical integration, and stamped drawings issued for construction.
- Procurement scope: including all material with the exception of long lead process equipment provided by TerraPower.
- Construction scope: including minor civil work to the building, structural frame installation, equipment installation, piping fabrication and installation, instrumentation equipment installation, electrical equipment installation, and cable/wiring installation for the IET.

