



Supplier Opportunities: Molten Chloride Fast Reactor Program

The following paragraphs summarize some 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 will 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., Augmented Quality, 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.

MCFR Simulated Fuel Salt Supply

The scope of supply will be to establish and qualify the supply chain and facilities, fabricate, and deliver depleted Uranium Chlorides for the Molten Chloride Fast Reactor (MCFR) Integrated Effects Test (IET) Experiment.

TerraPower requires one to two metric tons of depleted Uranium Chlorides to be delivered by the end of calendar year 2018. The material will be used as feedstock for the MCFR IET. Prospective suppliers will be required to hold the necessary regulatory approvals for radiological material. This includes handling, processing, and storage of depleted uranium feed-stock and depleted Uranium Chlorides until delivery of the full volume at the completion of the contract. TerraPower will provide necessary material specifications as well as recommended chemical synthesis routes.

Multiple/separate awards are currently envisioned to execute this work; however, it is possible that a single supplier may provide a complete, integrated solution, provided the advantages are evident in that approach.