



Supplier Opportunities: Molten Chloride Fast Reactor Program

The following paragraphs summarize an area in which TerraPower plans to engage supplier support for system and equipment development as part of the Molten Chloride Fast Reactor (MCFR) Program. This list of potential opportunities will be updated periodically. Some of the items or design features will 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).

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 Molten Salt Pumps

Major elements: Flow-loop Test Pumps, Full-scale Flow-loop Test Pumps, Test Reactor, Commercial Units

Systems: Primary/Fuel Coolant

Scope: Support the development of requirements/interfaces and design concepts for progressive development of pumps dedicated to testing and eventual commercial implementation. Initial work will be design and manufacture of a small development test pump to circulate molten salt at ~750 C, ~ 4 L/sec and needed for a flow loop and additional, similarly sized, pumps for integration testing. Further development could lead to larger pumps (~ 25 to 50 L/sec) for scaled flow-loop tests. The full scale units could be in the range of 2000 L/sec capacity.
