

Procurement Description*	ARRA Funded: High Temperature Molten Salt Vertical Cantilever Pump – Sandia National Laboratories' Solar Technologies organization has a need for a High Temperature Molten Salt Vertical Cantilever Pump. The pump shall be designed to pump molten salt from a submerged storage tank through various piping loop configurations.
Statement of Work*	Sandia National Laboratories' Solar Technologies organization has a need for a High Temperature Molten Salt Vertical Cantilever Pump. The pump shall be designed to pump molten salt from a submerged storage tank through various piping loop configurations. A vertical cantilever pump is a self priming pump capable of pumping molten salt at a flow rate of 660 gpm at 462 ft. of head with a specific gravity of 1.7 and at a continuous operating temperature of 1022°F with maximum operating temperature of 1380°F. The pump shall be capable of operating continuously for minimum of 5,000 hours between maintenance. The pump motors shall be 460 VAC, inverter duty rated for 5500 ft. elevation.
Mandatory Requirements*	The system shall: <ul style="list-style-type: none"> • The pump manufacturers must show at least 15 years of experience in the manufacturing of vertical cantilever pumps in the molten salt industry at similar temperatures and pressures.
DOE funding statement	"Sandia National Laboratories is a multi-program laboratory managed and operated by Sandia Corporation, a wholly owned subsidiary of Lockheed Martin Corporation, for the U.S. Department of Energy's National Nuclear Security Administration under contract number AC04-94AL85000."