

## SUCCESS STORIES

TVA SEQUOYAH  
COMPLETE MSR REPLACEMENT

## COMPLETE MSR REPLACEMENT

LOCATION	SODDY-DAISY, TN U.S.A.
PLANT TYPE	NUCLEAR PLANT
OEM	WESTINGHOUSE MSR
CUSTOMER	TVA

## PROJECT OVERVIEW

TEi was awarded the contract to upgrade TVA's Sequoyah Nuclear Plant on February 23, 2021. TEi will build the 6 Moisture Separator Reheaters to begin installation on October 4, 2022.

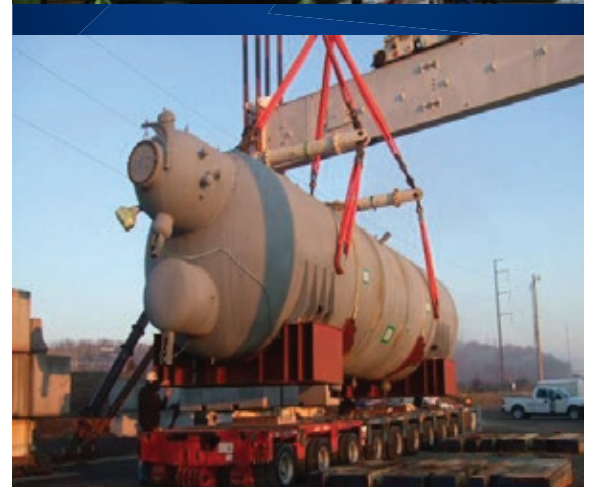
TVA and TEi have had an ongoing customer relationship for years, and this contract award takes that into account. Other reasons behind the collaboration are TEi's MSR engineering capabilities.

## PROJECT CHALLENGES

The most challenging part of this project is solving the erosion issue. TEi's latest MSR design eliminates erosion issues in the moisture separator and addresses vibration-related tube failure common in OEM designs. Over time, the extreme erosion reduces equipment performance.

## PROJECT HIGHLIGHTS

To prepare for this project, TEi expanded the Joplin facility to handle the build of 6 moisture separator reheaters within 18 months' time. TEi is also building these MSRs larger than the existing vessel to increase performance while reducing erosion issues.



## PROJECT OVERVIEW

## Moisture Separator Reheater

- + OEM Supplier: Westinghouse
- + Type: Nuclear Power
- + Projected Cost: \$23,685,000 USD
- + Shutdown: 10/04/2022