



# Pressurizer Vent Path Tool

## Outage and Fuel Solutions

### Challenge

Removing the pressurizer manway cover to vent the primary system during outage activities has presented challenges such as personnel safety and potential conflicts with using the polar crane.

### Solution

The Pressurizer Vent Path Tool raises and shields the manway in a safe configuration without the need to use the polar crane or other jib crane, freeing them for critical path outage activities.

### For more information:

Scan the QR code below to visit our website.



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## Background

As a part of typical outage and maintenance, the pressurizer manway cover must be removed to achieve the vent path requirements for the primary coolant system. Previously, this required use of the polar crane or local jib crane, creating safety issues and tying up vital resources.

## Solution

The Pressurizer Vent Path Tool enables the manway cover to be raised using guide rods and a jacking screw that is operated with a hand wheel or optional battery-powered drill. After the cover is raised, cover supports are inserted between the cover and manway flange to safely maintain the vent path area; an FME screen is locked in place over the manway opening to prevent foreign material or accidental personnel entry. The personnel safety issues associated with rigging and lifting are eliminated.

## Status

Currently, the Pressurizer Vent Path Tool is utilized by several utilities, providing a wide range of benefits from freeing up the use of the polar crane to improving personnel safety. The efficient, safety-oriented design has provided a reduction in needed staff as well as a reduction in overall dose, improving and surpassing ALARA goals.