

Construction Management Checklist for Energizing Utilities

(Contractor to initial each item upon completion and provide completed form to the Owner's Representative prior to energizing utility)

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Water – turned on to the first valve past Energy Management's last valve.

Review all piping and equipment being turned on for proper installation and completed testing.
Insulation installed (preferred but not required)
Meter & sensors properly installed, working, remote read operational, and in readable location.
Contractor has swabbed out with chlorine all piping from the backflow preventer to the source while installing.
All bacteriological tests have been completed and passed.
Backflow preventer installed and tested. (will need water pressure to test)
Pressure test completed for piping being turned on.
Contractor has method to communicate "Services On" to other contractor personnel and Owner's personnel.
Consultant has signed off.
Permitting/Inspection authority has signed off and provided documentation of approval to energize.

Steam – turned on to the first valve past Energy Management's last valve.

Review all piping, equipment, valves, reducing stations, relief valves, etc. for proper installation and complete testing.
Piping protected from the weather/water.
Insulation must be installed.
All hangers and bolts have been installed.
Meter & sensors installed, working, remote read operational and in readable location.
All needed traps are installed and able to be tested as they are turned on.
Condensate system is installed and operating including the pumping system.
Pressure test completed in piping being turned on.
Contractor has method to communicate "Services On" to other contractor personnel and Owner's personnel.
Consultant has signed off.
Permitting/Inspection authority has signed off and provided documentation of approval to energize.

Condensate – turned on to the first valve past Energy Management's last valve.

Review all piping and equipment being turned on for proper installation and completed testing.
Piping protected from the weather/water.
Insulation must be installed.
Pressure test completed in piping being turned on.
Contractor has method to communicate "Services On" to other contractor personnel and Owner's personnel.
Consultant has signed off.
Permitting/Inspection authority has signed off and provided documentation of approval to energize.

Electric – turned on to the first breaker past 13.8kV transformer.

Review all wiring and equipment being turned on for proper installation and completed testing.
Coordination & Arc Flash studies complete with owner approvals and appropriate labels installed on equipment being energized.
GFCI set and tested.
Breakers & remote operators set and tested per approved studies.
All needed permanent grounds are installed.
Meter installed, working and in readable location.
Main switchgear protected from the weather/water.
Contractor has method to communicate "Services On" to other contractor & Owner's personnel.
Consultant has signed off.
Permitting/Inspection authority has signed off and provided documentation of approval to energize.

Chilled Water – turned on to the first valve inside of building.

Review all piping and equipment being turned on for proper installation and completed testing.

Pressure test completed in piping being turned on.

Insulation must be installed.

Meter installed, working and connected to remote read.

Building pump and automatic isolation/control valve must be installed and under control.

If chillers are installed, automatic loop pump isolation must be installed.

Control valves must be installed and automatically controlled on all loads.

Contractor has method to communicate "Services On" to other contractor personnel and Owner's personnel.

Consultant has signed off.

Permitting/Inspection authority has signed off and provided documentation of approval to energize.

***Fill out all form fields before signing!**

Name _____ **Organization** _____ **Title** _____ **Signature** _____

_____ University of Missouri Commissioning Authority



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