



# WINTER



## PREVENTATIVE MAINTENANCE CHECKLIST

One thing we can guarantee about the weather is its unpredictability. That means you never know when the temperatures will drop suddenly, and the first snowfall will arrive.

Waiting to winterize equipment after it's too late can result in damaged components, increased downtime and unexpected repair costs.

*Expanse recommends taking the following actions to keep your equipment running this winter:*

- ✓ Check all fluid levels, especially antifreeze levels in emergency generator motors and valve cooling systems, and double check that oil levels are set to colder temperature requirements. Replenish levels as needed.
- ✓ Check that nitrogen bottle pressures on transformers are not below 500 psig before a cold front arrives.
- ✓ Check insulation around exposed plumbing in stations and facilities for adequate coverage to prevent freezing.
- ✓ Verify electrical equipment control cabinets and equipment space heaters are on and thermostats are functional and set correctly.
- ✓ Check the functionality of heaters in switchgear cubicles and that associated thermostats are functioning as intended.
- ✓ Verify fans and filters are cleaned and/or replaced.
- ✓ Remove excessive dust, dirt, debris buildup on components.
- ✓ Verify all air intake and exhaust routes are free from obstructions both inside and outside enclosures or buildings.
- ✓ Perform a physical inspection of all pole lines and associated equipment. Tighten and repair components as necessary.
- ✓ Verify all SPD (Surge Protective Devices) are operational.
- ✓ Verify all emergency generators are functional and have reserve fuel available.
- ✓ Verify all batteries are in good health (PLC, UPS, standby, etc).
- ✓ Verify critical spare parts have not been depleted and are restocked as needed.
- ✓ Keep your machines clean.
- ✓ Keep services up to date.

Expanse can provide a detailed scope and interval for winter maintenance and the testing of electrical equipment following the guidelines found in Neta Maintenance Standards (MTS), NFPA 70B, and NFPA 70E.

Call us at 832.399.0054 to schedule your winter maintenance services.

