

## Checklist for 2020-2021 Plant Winter Weatherization Spot Checks

QSE Name: \_\_\_\_\_

Resource Name: \_\_\_\_\_

On Site Date: \_\_\_\_\_

On Site Point of Contact: \_\_\_\_\_

Generator minimum ambient design temperature: \_\_\_\_\_

Boiler type: \_\_\_\_\_

- ☐ Did this unit trip or experience any equipment freeze issues due during the previous two winters?  
\_\_\_\_\_ (Yes/No) if yes, explain:
- ✓ Was this a reoccurring event or did it occur during a previous winter? If yes, explain in detail the cause.
- ☐ Physically examine the element(s) which froze or forced the trip previously – what measures has the plant taken to protect the element from freezing?
- ☐ Were these measures in effect when the equipment froze? (Yes/No) if yes, explain:
- ☐ What physical or operational improvements has the plant made?
- ☐ Are lessons learned included in the weatherization plan?
- ☐ Has the resource identified all known critical components? \_\_\_\_ (Yes/No) **PUCT Order 39160 (2) (b)**
  - ✓ How are the components identified? \_\_\_\_\_
- ☐ Does the resource have a plan to prepare for winter? (Yes/No) \_\_\_\_\_
- ☐ Does the resource have a severe cold weather checklist? (Yes/No) \_\_\_\_\_
  - ☐ Does the resource have evidence of completion from the last extreme cold weather event?  
\_\_\_\_\_
- PUCT Order 39160 (2)**
  - ✓ If no, provide explanation \_\_\_\_\_
- ☐ To what level of corporate management is the resource winter readiness communicated?
  - ✓ Explain \_\_\_\_\_
  - ✓ Email contact information? \_\_\_\_\_
  - ✓ Plant managers email address? \_\_\_\_\_

- ☐ Is there a maintenance procedure for confirming heat tracing is functioning properly? \_\_\_\_\_ (Yes/No)
- ✓ Will that procedure detect if the heat tracing is interrupted mid-length? \_\_\_\_\_ (Yes/No)
  - ✓ Are amperage readings compared to design documentation? \_\_\_\_\_ (Yes/No)
  - ✓ Is there a maintenance record of all heat tracing checked this season? \_\_\_\_\_ (Yes/No)
    - If no, explain \_\_\_\_\_
  - ✓ Do the heat trace records identify critical circuits? \_\_\_\_\_
  - ✓ How many critical heat trace circuits failed inspection? \_\_\_\_\_
    - Have they been repaired? \_\_\_\_\_
- ☐ Is there a record of maintenance on instrument air? \_\_\_\_\_ (Yes/No)
- ✓ If yes, when was it last completed? \_\_\_\_\_
  - ✓ What does your PM schedule include? (compressors, heat exchangers, drain traps, dryer system) \_\_\_\_\_
  - ✓ What is the last date your dew point analyzer was calibrated? \_\_\_\_\_
  - ✓ Is dew point monitored locally or in the control room? \_\_\_\_\_
  - ✓ How is moisture removed from instrument air? \_\_\_\_\_
    - ✓ Are blow downs automatic or manual? \_\_\_\_\_
    - ✓ How often are periodic blow downs opened? \_\_\_\_\_
  - ✓ What is logged by the operators during rounds related to instrument air? \_\_\_\_\_
  - ✓ Are instrument air low point drains clearly marked throughout the plant? \_\_\_\_\_
  - ✓ Are periodic blow downs part of the operator rounds? \_\_\_\_\_
- ☐ Is winter weather emergency supplies needed listed on the checklist or procedure? \_\_\_\_\_ (Yes/No)
- PUCT Order 39160 (2) (e)**
- ☐ Has the plant done a thorough inspection of all critical insulation? \_\_\_\_\_ (Yes/No)
- ☐ Can the plant provide documentation of completion? \_\_\_\_\_ (Yes/No)
- ✓ If No, explain \_\_\_\_\_
- ☐ Is there a corporate or plant procedure for an extreme cold weather training? \_\_\_\_\_
- ✓ Does the plant perform an annual extreme cold weather drill or training? \_\_\_\_\_
  - ✓ Are there viewable training records for plant personnel that attended extreme cold weather training this season? \_\_\_\_\_ (Yes/No)
- ☐ How do the operators train for the loss of a drum level?
- ✓ Explain \_\_\_\_\_
- ☐ Is manual operator action required to take critical transmitters out of scan or is it automatic due to deviation alarm?
- ✓ Explain \_\_\_\_\_
- ☐ How many critical transmitters can the plant lose and still remain on line?
- ✓ Explain drum level? \_\_\_\_\_
- ☐ Does the plant personnel perform any preparations for winter operations in the gas yard? \_\_\_\_\_ (Yes/No)
- PUCT Order 39160 (2) (h) (i)**
- ✓ Explain: \_\_\_\_\_

Does the unit have the capability for fuel oil? \_\_\_\_\_ (Yes/No) **PUCT Order 39160 (2) (h) (i)**

✓ Is there documentation on the last time fuel oil capability was tested? \_\_\_\_\_ (Yes/No)

- ☐ For gas turbine plants: what measures have been taken for tuning and inlet air duct icing during an extreme cold weather event so the unit stays on line and is compliant with emission standards?

• Explain \_\_\_\_\_

- ☐ Provide plant feedback on spot check as follows:

✓ Met goal of following weatherization plan (Yes/No) \_\_\_\_\_

• If no, explain what plant must do to meet weatherization plan

• \_\_\_\_\_

✓ Is plant willing to correct deficiencies? (Yes/No) \_\_\_\_\_

▪ Have plant give date by which they will correct deficiencies \_\_\_\_\_

• As part pf mitigation, contact regional director or VP and notify of corrective actions needed, see page 2 for contact information

▪ If plant is unwilling to correct deficiencies contact plant regional director or VP for follow-up. See page 2 for contact information.

**DURING EXAMINATION OF RECORDS OR PHYSICAL EXAMINATION PROVIDE ADDITIONAL DETAILS BELOW AS NECESSARY.**

Due to COVID-19 this spot check was a virtual WebEx

DEFICENCIES or RECOMMENDATIONS TO PLANT PERSONNEL:

Personnel: \_\_\_\_\_

Texas RE Personnel: \_\_\_\_\_