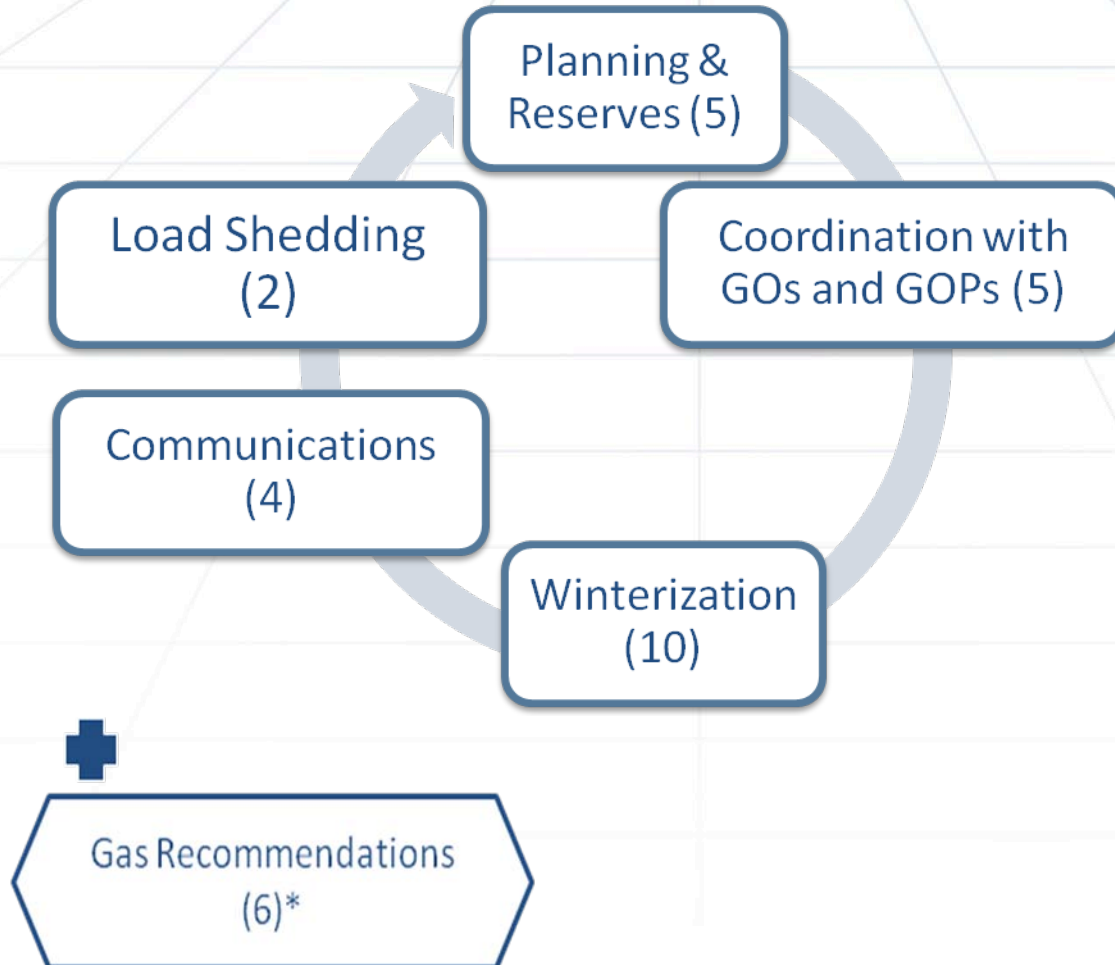


Handout 1: Practical Activity

Review the recommendations found in the report and discuss what areas your entity is currently following recommendations and what areas you need to focus on to improve reliability.

26 Electrical & 6 Gas Recommendations



Pages 195-213 in: Outages and Curtailments during the Southwest Cold Weather Event of February 1-5, 2011

RECOMMENDATIONS

Planning and Reserves: 5

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Coordination: 5

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Winterization: 10

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Communications: 4

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Load Shedding: 2

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Gas Recommendations: 6

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Cold Weather Event

Handout 2: Evaluate Potential Problem Areas

In the spaces provided, list some of the systems in your facility that could potentially be affected by cold weather in the Potential Problem areas identified.

| Potential Problem | Local Areas of concern: |
|--|--|
| Initiate an automatic unit trip | <ul style="list-style-type: none"> • • • • |
| Impact unit start-up | <ul style="list-style-type: none"> • • • |
| Initiate automatic unit runback schemes and/or cause partial outages | <ul style="list-style-type: none"> • • • • |
| Cause damage to the unit | <ul style="list-style-type: none"> • • • • |
| Adversely affect environmental controls that could cause full or partial outages | <ul style="list-style-type: none"> • • • • |
| Adversely affect the delivery of fuel or water to the units | <ul style="list-style-type: none"> • • • • |
| Cause other operational problems such as slowed or impaired field devices | <ul style="list-style-type: none"> • • • • |
| Create a safety hazard | <ul style="list-style-type: none"> • • • |

Cold Weather Event

Handout 3: Local Procedures Designate Typical Problem Areas

In the spaces provided, identify areas in your facility that could potentially be affected by cold weather, base on the Frequent Problems Areas noted in the report. Indicate type and location if available.

| # | Local Frequent Problem Areas | Locations and Identification codes in our facility to “Check” before Cold Weather Event |
|---|--|---|
| 1 | Pressure Transmitters and Sensing Lines | |
| 2 | Flow Transmitters and Sensing Lines | |
| 3 | Instrument Air System | |
| 4 | Motor-Operated and Solenoid Valves | |
| 5 | Drain Lines and Steam Vents | |
| 6 | Emergency Generators | |
| 7 | Water Pipes and Fire Suppression Systems | |
| 8 | Fuel Supply | |

**Cold Weather Event
Handout 4: Local Reliability Guidelines**

In the spaces provided, list some of the guidelines you currently have in place in your facility based on the areas outlined in the Reliability Guidelines:

| Reliability Recommendations | What can we do to impact reliability? |
|--|---|
| <p style="text-align: center;">Safety</p> | <ul style="list-style-type: none"> • • • • • |
| <p style="text-align: center;">Management Roles</p> | <ul style="list-style-type: none"> • • • • |
| <p style="text-align: center;">Evaluate Potential Problem Areas (PPA's)</p> | <ul style="list-style-type: none"> • • • • |
| <p style="text-align: center;">Process & Procedures</p> | <ul style="list-style-type: none"> • • • • |
| <p style="text-align: center;">Training</p> | <ul style="list-style-type: none"> • • • • |
| <p style="text-align: center;">Winter Event Communications</p> | <ul style="list-style-type: none"> • • • • |

**Cold Weather Event
Handout 5: Local Procedures Review**

In the spaces provided, list some of the local procedures you currently have in place in your facility based on the areas outlined in Attachment 1:

| Local Procedures | Yes/No | Details |
|---|--------|---------|
| Work Management System | Yes/No | |
| Critical Instrumentations & Equipment Protection | Yes/No | |
| Process and Procedures: | Yes/No | |
| Heat Trace & Other Protection Options | Yes/No | |
| Supplies | Yes/No | |
| Staffing | Yes/No | |
| Communications | Yes/No | |
| Special Operations Instructions | Yes/No | |