



## 2021 Senate Bill-3 (SB-3) Winter Load Shed Exercise Worksheet

**Q1:** NERC Standard \_\_\_\_\_ addresses the effects of operating Emergencies by ensuring each Transmission Operator and Balancing Authority has developed Operating Plan(s) to mitigate operating Emergencies, and that those plans are coordinated within a Reliability Coordinator Area.

\_\_\_\_\_ A EOP-004-4    \_\_\_\_\_ EOP-006-3    \_\_\_\_\_ EOP-010-1    \_\_\_\_\_ EOP-011-1

**Q2: Load Data:** Current Load = 47,925 MW Forecasted Load = 50,925 MW  
**Reserve Obligations:** Contingency/PRC = 3000 MW, Regulation = 225 MW  
**Current DC Tie Flows:** Firm Exports = 0, DC Exports = 425 MW, DC Imports = 0  
**Capacity Data:** Online Generation = 54,750 MW, Included QS Units = 200 MW

Can ERCOT meet its Forecasted Load, Regulation and PRC obligations based on the information provided?    \_\_\_\_\_ Yes    \_\_\_\_\_ No

**Q3: Load Data:** Current Load = 47,925 MW Forecasted Load = 50,925 MW  
**Reserve Obligations:** Contingency/PRC = 3000 MW, Regulation = 225 MW  
**Current DC Tie Flows:** Firm Exports = 0, DC Exports = 425 MW, DC Imports = 0  
**Capacity Data:** Online Generation = 54,750 MW, Included QS Units = 200 MW

Based on Forecasted Load, Obligations and Online Capacity, will ERCOT still be able to cover the Most Severe Single Contingency (MSSC) of 1,430 MW should 2,000 MW of PRC Reserve become deployed?    \_\_\_\_\_ Yes    \_\_\_\_\_ No

**Q4: Load Data:** Current Load = 47,925 MW Forecasted Load = 50,925 MW  
**Reserve Obligations:** Contingency/PRC = 3000 MW, Regulation = 225 MW  
**Current DC Tie Flows:** Firm Exports = 0, DC Exports = 425 MW, DC Imports = 0  
**Capacity Data:** Online Generation = 54,750 MW, Included QS Units = 200 MW

Considering the increased Forecasted Load, Obligations and Generation Capacity available, what level of communication, if any, might be expected by ERCOT?

\_\_\_\_\_ Advisory    \_\_\_\_\_ Watch    \_\_\_\_\_ None Required  
\_\_\_\_\_ EEA-1    \_\_\_\_\_ EEA-2    \_\_\_\_\_ EEA-3



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**Q5: Load Data:** Current Load = 59,800 MW Forecasted Load = 62,925 MW  
**Reserve Obligations:** Contingency/PRC = 3000 MW, Regulation = 225 MW  
**Current DC Tie Flows:** Firm Exports = 0, DC Exports = 125 MW, DC Imports = 0  
**Capacity Data:** Pre-Contingent Generation = 66,650 MW, Included QS Units = 200 MW  
Post-Contingent Generation = 65,975 MW

A 675 MW unit tripped due to a frozen drum level transmitter. Based on the information provided can ERCOT cover the forecasted load and all obligations given the reduced online capacity?  Yes  No

**Q6: Load Data:** Current Load = 59,800 MW Forecasted Load = 62,925 MW  
**Reserve Obligations:** Contingency/PRC = 3000 MW, Regulation = 225 MW  
**Current DC Tie Flows:** Firm Exports = 0, DC Exports = 125 MW, DC Imports = 0  
**Capacity Data:** Pre-Contingent Generation = 66,650 MW, Included QS Units = 200 MW  
Post-Contingent Generation = 65,975 MW, PRC = 2,825 MW

With 1,000 MW load increase for HE 09:00, 3,225 MW of obligations and the loss of a 675 MW unit, what level of communication, if any, may be expected by ERCOT?  Advisory  Watch  No Change  
 EEA-1  EEA-2  EEA-3

**Q7:** Due to events experienced during the February 2021 cold weather event, ERCOT Protocols, Operating Guides and Procedures are being revised to help prevent ERCOT from entering a \_\_\_\_\_ condition.  
 Advisory  Watch  Emergency  
 EEA-1  EEA-2  EEA-3

**Q8:** Select steps taken by ERCOT during an Advisory for diminishing reserves to help prevent entering a Watch condition?  
 Deploy ERS  Distribution Voltage Reduction  
 Issue Operating Instruction to Initiate Load Management Programs  
 All the above



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**Q9:** Physical Responsive Capability (PRC) had dropped to 980 MW and is not expected to recover within 30 minutes. ERCOT will declare \_\_\_\_\_.

A Watch     EEA-1     EEA-2  
 EEA-3     EEA-3 with Load Shed

**Q10:** The ERCOT Load Shed Table identifies the percentage of load each TO is required to shed when ERCOT issues the operational instruction.

This table is updated \_\_\_\_\_.

Biannually     Annually     Monthly     Weekly