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Emergency Curtailment Quantity

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Agenda

- ◆ Feedback.
- ◆ P70 Process.
- ◆ P70 Process and ECQ Calculation.
- ◆ Methodology.
 - ◆ NTS.
 - ◆ DN.

ECQ and P70 Feedback

- ◆ Interactions between P70 and ECQ.
- ◆ Sites with multiple shippers.
- ◆ Sites with different supply types ie Interruptible and firm
- ◆ Methodology: what method will be used, when, and by whom

P70 Process

- ◆ A P70 is required at any Firm or Interruptible System Exit Points at any time where the User has exercised an entitlement to require the consumer to **discontinue consuming gas**.
- ◆ P70 Provided to relevant system operator.
 - ◆ **NTS** interruption **GNCC** Control Room
 - ◆ Telephone: 0870 191 0637
 - ◆ Fax: 0870 191 0646
 - **DN** (LDZ) interruption **DNCC** Control Room
 - Telephone: 0870 241 5616
 - Fax: 0870 241 8690

P70 and ECQ Calculation

- ◆ Effect of issuing a P70 on ECQ
- ◆ Issued before Gas Deficit Emergency Curtailment.
 - ◆ Shipper Interruption ‘trumped’ by GDE Curtailment.
 - ◆ Zero ECQ associated with shipper for that site.
- ◆ Issued after Gas Deficit Emergency Curtailment.
 - ◆ Shipper Interruption is ‘too late’.
 - ◆ ECQ calculated for the first Gas day of the Emergency.
 - ◆ Zero ECQ for subsequent Gas days of the Emergency.

Example 1.

- ◆ Shippers X and Y supply Site A with Gas.
- ◆ Site A is Gas Deficit Emergency Curtailed by the NEC on gas day D.
- ◆ Site A stops flowing gas.
- ◆ Shipper X issues a P70 before midnight on gas day D.
- ◆ Shipper Y does not issue a P70.
- ◆ For gas day D both X and Y have an ECQ calculated.
- ◆ For gas day D+1 X has no ECQ for site A.
- ◆ For gas day D+1 Y has an ECQ for site A.

Different supply types

- ◆ A site can have multiple shippers with both Firm and Interruptible supply types.
- ◆ NEC at stage one of the GDE will curtail Interruptible supply types.
- ◆ NEC at stage three of the GDE will curtail Firm supply types.

Example 2.

- ◆ Shippers X, Y and Z supply Site A with Gas.
- ◆ Shipper X supplies Interruptible.
- ◆ Shipper Y and Z supply Firm.
- ◆ Site A's Interruptible supply is curtailed by the NEC under Stage 1 GDE on gas day D.
- ◆ Site A stops flowing its Interruptible gas.
- ◆ Shipper X issues a P70 before midnight on gas day D.
- ◆ Shipper X attracts an ECQ calculation for D but does not for subsequent gas days.
- ◆ Shipper Y issues a P70 for its Firm supply on gas Day D.
- ◆ Site A stops flowing Shipper Y's Firm gas.
- ◆ Site A's Firm supply is curtailed by the NEC under Stage 3 GDE on gas day D+1.
- ◆ Shipper Y has a Zero ECQ as P70 submitted before GDE curtailment.
- ◆ Shipper Z has an ECQ calculated on D+1 and subsequent days.

Methodology

- ◆ Calculation of the ECQ will be based on one of the following methods
 - ◆ OPNs where available
 - ◆ Nominations
 - ◆ Allocations starting with D-7 and rolling back if no data is available
 - ◆ Flexi SOQ / SOQ

Methodology

- ◆ NTS
 - ◆ Prevailing OPN or nomination at GDE Curtailment for calculation of Gas day D.
 - ◆ Historic Allocation used for calculation of ECQ on D+1, D+2 etc...

Methodology

- ◆ DN's System Operator DNCC select methodology for all DN Interruptible and DN VLDMCs.
 - ◆ Produce and send DM firm file to DNs.
- ◆ DNs select methodology for all DM firm sites.
 - ◆ Return DM firm file to DNCC.
 - ◆ DNCC update ECQ system.

Flexi SOQ

- ◆ Can be selected for DN Interruptible sites only.
- ◆ Factor based on an estimate of Interruptible demand within an LDZ.

Flexi SOQ Example

LDZ Forecast of available Interruption = 6
Based on datalogger readings and OPNs

Total LDZ Interruptible SOQ = 10

LDZ Flexi Factor = 60%
Factor is updated daily and is applied against SOQ

i.e. **Site SOQ = 5,000 * Flexi factor of 60% = 3,000**

Ancillary Questions

- ◆ OPN indicates zero flow for the full day D of GDE Curtailment.
 - ◆ ECQ would be zero for day D and D+1 etc ...
 - ◆ Not contributing to the emergency at the point of curtailment.
- ◆ Nominations should reflect usage after GDE curtailment.
- ◆ Under normal or emergency conditions a P70 should reflect discontinuance of consuming gas from the Total System through that contract.

Ancillary Questions

- ◆ Shipper Y Interrupts Site A – Issues P70.
- ◆ Site A procures gas from third party
- ◆ Shipper Y agrees to ship the gas on behalf of Site A.
- ◆ Shipper Y issues P71 and nominates flow.

P71

- ◆ P70 Remains effective until a P71 is submitted.
- ◆ P71 Can only be submitted after the Emergency Curtailment has been lifted.