

**Scale back and the restoration of
Interruptible rights.**

Background

- ◆ Transmission Workstream – 7th June 2007
 - ◆ National Grid NTS discussed a number of options to provide additional flexibility via Entry interruption for Winter 07/08.
 - ◆ Decision made to concentrate on existing DISEC product, this resulted in the introduction of additional “Discretionary” interruptible capacity.
 - ◆ National Grid NTS also agreed to look at the feasibility of “Restoring” Interruptible Entry Capacity rights once constraint issues had been resolved.
 - ◆ This was not feasible for Winter 07/08 and we undertook to have these arrangements in place for Winter 08/09.

Gemini

Required Gemini system changes are scheduled for implementation as part of the August 08 Gemini Release:

- ◆ Implementation scheduled for August 17th 2008
- ◆ New functionality enables the ICF (Interruptible Curtailment Factor) to be applied upwards as well as downwards multiple times throughout the gas day.
- ◆ Effectively allows for multiple scalebacks and restorations at the same ASEP throughout the same Gas Day.

Communications

- ◆ The restoration notifications will be sent out via ANS and a message will also be sent via Gemini (as per current communications for scalebacks).
- ◆ Users should check their revised interruptible entitlements and assess the impact of the action.
- ◆ Effective hour for restorations will be included in the notifications, consistent with scalebacks.

Example – scaleback and restoration 1

- ◆ Consider ASEP A with one user who holds 24 units of interruptible capacity there (hence a deemed hourly rate of 1 per hour)
- ◆ National Grid NTS scale back 100% of interruptible rights effective from 06:00 hrs:

Effective Hour Bar	ICF	Percentage	Action Type	1 in 24th
6	0.00	100%	constraint	0
7	0.00			0
8	0.00			0
9	0.00			0
10	0.00			0
11	0.00			0
12	0.00			0
13	0.00			0
14	0.00			0
15	0.00			0
16	0.00			0
17	0.00			0
18	0.00			0
19	0.00			0
20	0.00			0
21	0.00			0
22	0.00			0
23	0.00			0
24	0.00			0
1	0.00			0
2	0.00			0
3	0.00			0
4	0.00			0
5	0.00			0

Users Revised Int Entitlements	0
Users Scaled Int Capacity	24

Example – scaleback and restoration 2

- System conditions improve allowing the restoration of 100% of interruptible rights effective from 12:00 hrs:

Effective Hour Bar	ICF	Percentage	Action Type	1 in 24th
6	0.00	100%	constraint	0.0
7	0.00			0.0
8	0.00			0.0
9	0.00			0.0
10	0.00			0.0
11	0.00			0.0
12	1.00	100%	restoration	1.0
13	1.00			1.0
14	1.00			1.0
15	1.00			1.0
16	1.00			1.0
17	1.00			1.0
18	1.00			1.0
19	1.00			1.0
20	1.00			1.0
21	1.00			1.0
22	1.00			1.0
23	1.00			1.0
24	1.00			1.0
1	1.00			1.0
2	1.00			1.0
3	1.00			1.0
4	1.00			1.0
5	1.00			1.0

Users Revised Int Entitlements	18
Users Scaled Int Capacity	6

Example – scaleback and restoration 4

- Finally system conditions worsen leading to a further scaleback of 100% effective from 20:00 hrs

Effective Hour Bar	ICF	Percentage	Action Type	1 in 24th
6	0.00	100%	constraint	0.0
7	0.00			0.0
8	0.00			0.0
9	0.00			0.0
10	0.00			0.0
11	0.00			0.0
12	1.00	100%	restoration	1.0
13	1.00			1.0
14	1.00			1.0
15	1.00			1.0
16	1.00			1.0
17	1.00			1.0
18	1.00			1.0
19	1.00			1.0
20	0.00	100%	constraint	0.0
21	0.00			0.0
22	0.00			0.0
23	0.00			0.0
24	0.00			0.0
1	0.00			0.0
2	0.00			0.0
3	0.00			0.0
4	0.00			0.0
5	0.00			0.0

Users Revised Int Entitlements	8
Users Scaled Int Capacity	16