

Stage 01: Proposal

0XXX:

Amendments to Section I of the OAD to reflect Offtake Profile Notice application and recognition of different offtake sensitivities

This proposal has two central themes

- (i) Recognises that NTS/LDZ offtakes need separate rules from the vast majority of offtakes when determining flow tolerance levels etc.
- (ii) Amends a small number of operational timeframes and inconsistencies to better reflect the working practices of NGG NTS and the GDNs



The Proposer recommends
This Modification Proposal should follow the self governance route on the basis that it meets the self-governance criteria set out in the Licence.



High Impact:
n/a



Medium Impact:
n/a



Low Impact:
National Grid Transmission & Distribution Network Operators.

What stage is this document in the process?

01

Proposal

02

Workgroup Report

03

Draft Modification Report

04

Final Modification Report

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About this document:

This document is a proposal, which will be presented by the Proposer to the Panel on [19 May 2011]. The Panel will consider the Proposer's recommendation, and agree whether this modification should proceed to consultation or be referred to a Workgroup for assessment.



3 **Any questions?**

5 Contact:

7 **Joint Office**



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...@...



0000 000 000

Transporter:

Insert name



...@...



0000 000 000

xoserve:

Insert name



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0000 000 000

1 Summary

Is this a Self Governance Modification

Wales & West Utilities (WWU) believe this Proposal is a candidate for self governance since implementation would be unlikely to have a material effect on either:

existing or future gas consumers; or

competition in the shipping, transportation or supply of gas conveyed through pipes or any commercial activities connected with the shipping, transportation or supply of gas conveyed through pipes; or

the operation of one or more pipe-line system(s); or

matters relating to sustainable development, safety or security of supply, or the management of market or network emergencies; or

the uniform network code governance procedures or the network code modification procedures;

We also believe implementation would not discriminate between different classes of parties to the uniform network code/relevant gas transporters, gas shippers or DN operators(is this true)?

Consequently, we request that this Proposal is treated as a Self Governance Modification Proposal.

Why Change?

The proposed Offtake tolerance rules will enable all Transporters to target those offtakes where the requirement to remain with agreed flow profile tolerances has a greater potential impact on the whole system operation.

The suggested timeframes and other revised legal text provide a series of agreed working practices that better support the required processes outlined in OAD Section I

Solution

The annual Offtake Capacity Statement (OCS) will list all NTS/LDZ offtakes categorised as either;

(a) designated" offtakes for the purposes of OAD Section I

(b) part designated offtakes will only be subject to some elements of section I,

(c) non designated offtakes which will not be subject to the tolerance provisions in Section I

A number of other legal text changes are proposed;

- Lengthening the time for Transporters to provide revised OPNs where flow swaps between 2 offtakes are agreed between NTS and the GDNs
- Clarifying the rules around notice periods and maximum changes to LDZ aggregate intake rates (2 hours notice per 5% change)
- Revising the rules so that both NGG NTS and GDNs can request / agree flow swaps provided that the LDZ aggregate rate of Offtake remains unchanged at LDZ level

Impacts & Costs

Each Transporter may require changes to existing systems. The cost of any changes will be borne by the relevant Transporter.

Implementation

The Proposal has been well discussed and articulated, however it may be that Transporter(s) require a lead time to confirm they can fully comply with the proposals intent. An implementation date of 1 October 2011 is proposed.



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Insert text here

The Case for Change

The OAD currently sets out a series of clauses which were established pre Network sales in 2005, and which reflected some working practices, and anticipated the requirements of all Transporters when establishing the tolerances by which OPNs should operate within.

These proposals reflect the evolving working practices which all Transporters acknowledge supersede those first captured in 2005.

The proposed changes will allow all transporters to warrant their compliance with this area of the OAD, and not seek to secure compliance by creating unnecessary workarounds or seeking to adhere to rules that do not benefit any party.

Recommendations

The Proposer recommends this modification should proceed to consultation, having been exhaustively assessed within the Offtake Arrangements Workgroup.

2 Why Change?

Prevailing Offtake Tolerances

All NTS/LDZ offtakes are currently required to offtake gas within prescribed tolerances of the Prevailing Offtake Rate.

- ALL NTS/LDZ Offtakes Within 10% by offtake
- ALL LDZs within 3% for all offtakes measured in aggregate in an LDZ.

NTS/LDZ offtakes have different operational characteristics and significance to the National Transmission System.

NTS/LDZ offtakes are either controlled to a set pressure or volume:

Pressure controlled offtakes operate to maintain a set pressure at the outlet of the NTS / LDZ Offtake to satisfy the GDNs variable (daily) capacity needs. The rate of offtake is therefore directly driven by the downstream demand (customer profile). Pressure controlled offtakes generally have a small capacity that is likely to be of less significance to the NTS.

Volumetric controlled offtakes operate to maintain a set flow (volume per hour) through the offtake irrespective of downstream demand. Fluctuations in demand are satisfied through DN storage, often linepack storage within the pipeline. Volumetric offtakes are likely to have high capacities and have more significant impact on the NTS.

By agreeing designated and part designated offtakes with NG NTS, GDNs can focus its efforts on predicting and managing flows through these sites.

The proposal does stipulate the specific sites proposed as designated. It is anticipated this list may alter over time with new offtakes etc, therefore this list will be kept under review by all Transporters, by being published annually in the OCS process.

2 hour / 5% Rule

Prior to Network Sales the concept of notice periods and maximum rate changes for LDZ intake were established via the GNCC DNCC Operating Agreement. The current wording of the equivalent rule in the Offtake Arrangements Document needs to be clarified to confirm the current understanding in the application of this rule, to make it consistent with its use in operation and planning activities.

The specifics of this area to be discussed at workgroup on 4 April

Alignment of OPN revision request criteria

There is an anomaly in Section I (I 2.4.3 and I 2.5.3) which details arrangements for flow swaps requested by GDNs or NTS. Currently NGG NTS can request flow swaps provided that the aggregate OPN remains unchanged at LDZ level, whereas GDNs can only request flow swaps provided that the aggregate OPN remains unchanged within an NTS Exit Zone.

The proposal will amend the rules such that either party can request flow swaps provided that the aggregate OPN remains unchanged at LDZ level.



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3 Solution

NGG NTS will use the annual OCS process to propose each GDNs NTS/LDZ offtakes which are to be categorised for the following gas year (October-September)

The OCS process will operate exactly as now, except that it will stipulate which offtakes are

- (a) Designated offtakes**
- (b) Part Designated offtakes**
- (c) Non Designated offtakes**

The revised provisions of OAD Section I 3.1 will relate to the offtakes for each gas year, and each years OCS will provide the definitive listing for the subsequent gas years offtake classification.

[solutions for other areas to be included post workgroup meeting on April 4th]

Suggested Legal text

TPD Section B

6.2 Offtake Capacity Statement

6.2.1

- (d) a list of NTS/LDZ Offtakes which will be classified as**
 - (i) Designated Offtakes**
 - (ii) Part Designated Offtakes**
 - (iii) Non designated offtakes**

For the sole purpose of the provisions of OAD Section I.

OAD Section I

SECTION I

NTS OPERATIONAL FLOWS

1 General

1.1 Introduction

1.1.1 This Section I sets out:

- (a) requirements (for the purposes of TPD Section J4 [and Section B6.2](#)) as to the submission of Offtake Profile Notices in relation to NTS/LDZ Offtakes;
- (b) certain other details required in relation to NTS/LDZ Offtakes for the purposes of TPD Section J4 [and B6.2](#);
- (c) provisions as to pressure at NTS/LDZ Offtakes;
- (d) other operational provisions relating LDZs and NTS/LDZ Offtakes.

1.2 Interpretation

1.2.1 In this Section I:

- (a) references to Offtakes are to NTS/LDZ Offtakes;
- (b) a reference (in relation to an LDZ or NTS/LDZ Offtake(s) serving an LDZ) to the aggregate offtake or rate of offtake is a reference to the aggregate, for all NTS/LDZ Offtakes serving the LDZ, of the offtakes or rates of offtake.
- (c) ~~a reference to a group of offtake(s) in a Zonal Offtake Grouping (ZOG) (in relation to NTS/LDZ Offtake(s) are the ZOG referenced in Section I Annex I-1.~~

2 Offtake Profile Notices

2.1 General requirements

2.1.1 Offtake Profile Notices are to be submitted (in accordance with TPD Section J4.5) by the downstream DNO each Day in respect of each [Offtake](#)[1].

2.1.2 Offtake Profile Notices are to be submitted in the format and units and by the means provided in or pursuant to Section M.

2.1.3 Where so provided pursuant to Section M, Offtake Profile Notices:

- (a) may specify rates of volume flow (in MCM/day), together with a calorific value, in which case the applicable rates of offtake shall (for all purposes of the Code) be determined by multiplying such volume flow rate by the specified calorific value;
- (b) may specify quantities (in GWh) or volumes (in MCM) for an hour of the clock, in which case the rate of volume flow or rates of offtake (applicable as at all times within the relevant hour of the clock) shall be determined by dividing the specified quantity or volume by one hour;
- (c) may be provided in a single notice for all Offtakes serving one LDZ, specifying (in addition to rates of offtake for each Offtake) the aggregate rate of offtake.

2.1.4 The rate of offtake set out in an Offtake Profile Notice shall be constant within each hour of the clock.

2.1.5 The rates of offtake set out in Offtake Profile Notices (including any revisions thereof) shall:

- (a) reflect as accurately as reasonably practicable (but without prejudice to the further provisions of this paragraph 2) the quantities in which and rates and times at which the DNO intends or expects (at the time it submits the Offtake Profile Notice) to cause or permit gas to flow at each Offtake;
- (b) without prejudice to paragraph (a), on an aggregate basis for an LDZ, be consistent (after taking account of planned LDZ stock changes and flows at LDZ/LDZ Offtakes) with the forecast LDZ demand in the prevailing demand forecast issued by the downstream DNO pursuant to TPD Section H5 or paragraph 6.1; and
- (c) be consistent with the requirement in paragraph 6.3.1.

2.2 Initial Offtake Profile Notice

- 2.2.1 For the purposes of TPD Section J4.5.1, the time by which the Offtake Profile Notice for a Day is to be submitted to National Grid NTS is 18:00 hours on the Preceding Day.
- 2.2.2 If the DNO fails to submit an Offtake Profile Notice for a Day by the time required under paragraph 2.2.1, it shall be deemed to have submitted an Offtake Profile Notice which is the same as the Offtake Profile Notice for the Preceding Day prevailing at that time.

2.3 Revisions to Offtake Profile Notices

2.3.1 Subject to the provisions of this paragraph 2, a DNO may revise the prevailing Offtake Profile Notice (in relation to any designated offtake) [2]for any Day, as to the rate of offtake as at any time (Tro), by submitting a revised Offtake Profile Notice at a time (Topn)

(a) in the case of an increase in the rate of offtake

- (i) if the applicable flow rate change is not less than 50% of the Maximum Flat Offtake Rate, not later than 4 hours before time TRO;
- (ii) if the applicable flow rate change is less than 50% but not less than 25% of the Maximum Flat Offtake R, not later than 2 hours before time TRO
- (iii) if the applicable flow rate change is less than 25% of the Maximum Flat Offtake Rate, not later than 1 hour before time TRO; and

(b) in the case of a decrease in rate of offtake, not later than 1 hour before time TRO

;

2.3.2 For the purposes of this paragraph 2.3:

- (a) the "**Maximum Flat Offtake Rate**" in respect of an Offtake is a rate calculated as 1/24th of the DNO's NTS Offtake (Flat) Capacity;
- (b) in relation to any revised Offtake Profile Notice(s), in relation to any time (T_{RO}) on the Gas Flow Day, the applicable flow rate change is the magnitude of the difference between:
 - (i) the rate of offtake (as at time T_{RO}) under the relevant Offtake Profile Notice; and
 - (ii) the rate of offtake (as at time T_{RO}) under the revised Offtake Profile Notice;
 expressed as a percentage of the Maximum Flat Offtake Rate;
- (c) for the purposes of paragraph (b), the "**relevant**" Offtake Profile Notice is:
 - (i) the prevailing Offtake Profile Notice(s); or

- (ii) in relation to any Offtake in relation to which there are two or more connected Offtake Profile Notices, the earliest-submitted of such connected Offtake Profile Notices;

where two Offtake Profile Notices are connected if under the earlier-submitted notice any change in rate of offtake occurs at a time T_{RO} which is later than the latest time T_{OPN} at which the later-submitted notice was required (in accordance with paragraph 2.3.1) to be submitted.

2.3.3 Where pursuant to one or more revised Offtake Profile Notice(s) submitted by a DNO in relation to the Offtakes serving one LDZ, there is at any time (T_{RO}) a change in the aggregate rate of offtake:

- (a) the time (T_{OPN}) at which such revised Offtake Profile Notice(s) are submitted shall not be less than two hours notice before time T_{RO} ; and
- (b) the aggregate flow rate change, for any time (T_{RO}) of the Day, pursuant to revised Offtake Profile Notices submitted within any one hour (H_{OPN}) of the clock, shall not exceed 5%

[4]

2.3.4 For the purposes of paragraph 2.3.3(b), in relation to any hour (H_{OPN}), the aggregate flow rate change at any time (T_{RO}) is the magnitude of difference between:

- (a) the aggregate rate of offtake at time T_{RO} pursuant to the Offtake Profile Notices prevailing at the start of hour H_{OPN} ; and
- (b) the aggregate rate of offtake at time T_{RO} pursuant to the Offtake Profile Notices prevailing (pursuant to any revisions thereof within hour H_{OPN}) at the end of hour H_{OPN} ;

expressed as a percentage of the aggregate rate of offtake at time T_{RO} pursuant to the Offtake Profile Notices prevailing at the start of hour H_{OPN} .

2.3.5 The DNO may not submit a revised Offtake Profile Notice in relation to any Offtake:

- (a) ~~more frequently than once in each hour of the clock~~[5];
- (b) so as to change the rate of offtake other than with effect from an exact hour of the clock; or
- ~~(c) later than 04:00 hours on the Gas Flow Day~~[6].

2.4 Revisions requested by National Grid NTS

2.4.1 National Grid NTS may at any time request a DNO to submit revised Offtake Profile Notices for two or more Offtakes for an LDZ, subject to and in accordance with this paragraph 2.4.

2.4.2 National Grid NTS' request shall specify:

- (a) the Offtakes in respect of which such revision is requested;
- (b) the times with effect from which the DNO is requested to revise the relevant rates of offtake; and
- (c) the revised rates of offtake requested.

2.4.3 Any request by National Grid NTS for the revision of any Offtake Profile Notices shall satisfy the requirement that, for all times in the Day, the aggregate, in respect of all Offtakes (serving the same LDZ) for which such request is made, of the revised rates of offtake requested is the same as the aggregate rates of offtake under the prevailing Offtake Profile Notices at the time the request is made.

2.4.4 To the extent to which the revision by the DNO of any Offtake Profile Notice(s) in compliance with National Grid NTS' request would infringe any of the requirements of this paragraph 2 or TPD Section J4.5.2, National Grid NTS shall be deemed to have waived such other requirements (on the assumption

that the DNO submits such revised Offtake Profile Notice(s) within the nearest full hour ~~minutes~~^[7] after National Grid

NTS' request is made).

2.4.5 The DNO shall comply with National Grid NTS' request unless in the DNO's reasonable opinion the safe and efficient operation of the LDZ (consistent with the DNO's obligations to Users under the Transportation Principal Document) would be materially prejudiced by the flow of gas at the relevant Offtakes on the basis of the requested revisions, in which case the DNO shall:

- (a) contact and inform National Grid NTS of the position as soon as possible following receipt of National Grid NTS' request; and
- (b) cooperate with National Grid NTS and use all reasonable endeavours to agree upon alternative revisions to Offtake Profile Notices.

2.5 Revisions requested by DNOs

2.5.1 A DNO may request, where it believes it necessary for the purposes of ensuring the safe and efficient operation of its System, that it be permitted to submit revised Offtake Profile Notices for two or more Offtakes for an LDZ, subject to and in accordance with this paragraph 2.5.

2.5.2 A DNO's request shall specify:

- (a)
- (b) the Offtakes and LDZ in respect of which such revision is requested
- (c) the times with effect from which the DNO wishes to revise the relevant rates of offtake; and
- (d) the revised rates of offtake requested.

2.5.3 Any request by a DNO for the revision of any Offtake Profile Notices shall satisfy the requirement that, for all times in the Day, the aggregate, in respect of all Offtakes (serving the same ~~ZOG-LDZ~~^[8]) for which such request is made, of the revised rates of offtake requested is the same as the aggregate rates of offtake under the prevailing Offtake Profile Notices at the time the request is made.

2.5.4 To the extent to which the revision requested by the DNO of any Offtake Profile Notice(s) would infringe any of the requirements of this paragraph 2 or TPD Section J4.5.2, National Grid NTS shall be deemed to have waived such other requirements (on the assumption that the DNO submits such revised Offtake Profile Notice(s) within ^[9]the nearest full hour ~~minutes~~ after the DNO's request is made).

2.5.5 National Grid NTS shall comply with the DNO's request unless in National Grid NTS's reasonable opinion the safe and efficient operation of the NTS (consistent with National Grid NTS's obligations to Users under the Transportation Principal Document) would be materially prejudiced by the flow of gas at the relevant Offtakes on the basis of the requested revisions, in which case National Grid NTS shall:

- (a) contact and inform the DNO of the position as soon as possible following receipt of the DNO's request; and
- (b) cooperate with the DNO and use all reasonable endeavours to agree upon alternative revisions to Offtake Profile Notices.

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2.7 Variation of restrictions

2.7.1 The requirements and restrictions in this paragraph 2 in relation to Offtake Profile Notices (and revisions thereof) shall not apply to the extent that (subject to and in accordance with TPD Section J4.5.5, where applicable) National Grid NTS waives or agrees to vary any such requirement or restriction in a particular case.

3 Further provisions of TPD Section J

3.1 Offtake tolerances

3.1.1 This paragraph 3.1 sets out the tolerances referred to in TPD Section J4.6.2, relevant to the offtakes referred to in TPD Section B6.2.

3.1.2 For the purposes of TPD Section J4.6.2(a), the tolerance, in respect of the offtake of the offtake of gas at a designated offtake is 0.3MCM day ~~ZOG is [x]%~~ of the Prevailing Offtake Rate.

3.1.3 For the purposes of TPD Section J4.6.2(a), the tolerance, in respect of the offtake of the offtake of gas at a part designated offtake is 1MCM day of the Prevailing Offtake Rate.

3.1.3 For the purposes of TPD Section J4.6.2(b), the tolerance in respect of each offtake of gas in aggregate at all of the Offtakes (served by two or more offtakes) which serve an LDZ, is 3% of the Prevailing Offtake Rates

3.2 Maximum rate of change

3.2.1 For the purposes of TPD Section J4.7.1, the maximum rate of change in respect of an Offtake is the rate (if any) set out in the applicable Supplemental Agreement.

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Insert table subheading here	Insert table subheading here
Insert body copy here	Insert body copy here

4 Relevant Objectives



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The Proposer believes that implementation will better facilitate the achievement of **Relevant Objectives a, b, c, d, e and f.**

Proposer's view of the benefits against the Code Relevant Objectives	
Description of Relevant Objective	Identified impact
a) Efficient and economic operation of the pipe-line system.	Yes
b) Coordinated, efficient and economic operation of (i) the combined pipe-line system, and/ or (ii) the pipe-line system of one or more other relevant gas transporters.	Yes
c) Efficient discharge of the licensee's obligations.	
d) Securing of effective competition: (i) between relevant shippers; (ii) between relevant suppliers; and/or (iii) between DN operators (who have entered into transportation arrangements with other relevant gas transporters) and relevant shippers.	
e) Provision of reasonable economic incentives for relevant suppliers to secure that the domestic customer supply security standards... are satisfied as respects the availability of gas to their domestic customers.	
f) Promotion of efficiency in the implementation and administration of the Code	Yes

- Objectives (a) and (b): Targeting those offtakes where deviations from the offtake profile may cause NG NTS to take action to maintain pressures/flows across the system better promotes the efficient operation of the combined pipeline system.
- Objective (f) : Amending the OAD to reflect working practices which better reflect all Transporters obligations and working practices

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5 Impacts and Costs

Impacts

The positive impacts of the proposal are that Transporters will target those offtakes which are deemed more important when flowing to agreed tolerances, thereby assisting the most economic operation of Total System. Other positive impacts will accompany the other procedural revisions achieved by streamlined working practices



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Costs

Any implementation costs will be borne by each Transporter

Indicative industry costs – User Pays

Classification of the proposal as User Pays or not and justification for classification

Not User Pays

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Identification of Users, proposed split of the recovery between Gas Transporters and Users for User Pays costs and justification
All costs will be borne by the relevant Transporter
Proposed charge(s) for application of Users Pays charges to Shippers n/a
Proposed charge for inclusion in ACS – to be completed upon receipt of cost estimate from xoserve
n/a

Impacts

Impact on Transporters' Systems and Process	
Transporters' System/Process	Potential impact
UK Link	<ul style="list-style-type: none"> • none
Operational Processes	<ul style="list-style-type: none"> • low
User Pays implications	<ul style="list-style-type: none"> • none

Impact on Users	
Area of Users' business	Potential impact
Administrative and operational	<ul style="list-style-type: none"> • none
Development, capital and operating costs	<ul style="list-style-type: none"> • none
Contractual risks	<ul style="list-style-type: none"> • none
Legislative, regulatory and contractual obligations and relationships	<ul style="list-style-type: none"> • none

Impact on Transporters	
Area of Transporters' business	Potential impact
System operation	<ul style="list-style-type: none"> • medium
Development, capital and operating costs	<ul style="list-style-type: none"> • low
Recovery of costs	<ul style="list-style-type: none"> • none
Price regulation	<ul style="list-style-type: none"> • none
Contractual risks	<ul style="list-style-type: none"> • low
Legislative, regulatory and contractual obligations and relationships	<ul style="list-style-type: none"> • low
Standards of service	<ul style="list-style-type: none"> • low



Where can I find details of the UNC Standards of Service?

In the Revised FMR for Transco's Network Code Modification **0565 Transco Proposal for Revision of Network Code Standards of Service** at the following location: <http://www.gasgovernance.com/networkcodearchive/551-575/>

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Impact on Code Administration	
Area of Code Administration	Potential impact
Modification Rules	• none
UNC Committees	• none
General administration	• none

Impact on Code	
Code section	Potential impact
TPB B	Low
UNC I	High

Impact on UNC Related Documents and Other Referenced Documents	
Related Document	Potential impact
Network Entry Agreement (TPD I1.3)	none
Network Exit Agreement (Including Connected System Exit Points) (TPD J1.5.4)	none
Storage Connection Agreement (TPD R1.3.1)	none
UK Link Manual (TPD U1.4)	none
Network Code Operations Reporting Manual (TPD V12)	none
Network Code Validation Rules (TPD V12)	none
ECQ Methodology (TPD V12)	none
Measurement Error Notification Guidelines (TPD V12)	none
Energy Balancing Credit Rules (TPD X2.1)	none
Uniform Network Code Standards of Service (Various)	none

Impact on Core Industry Documents and other documents	
Document	Potential impact
Safety Case or other document under Gas Safety (Management) Regulations	none
Gas Transporter Licence	none

Other Impacts	
Item impacted	Potential impact
Security of Supply	none
Operation of the Total System	none
Industry fragmentation	none
Terminal operators, consumers, connected system operators, suppliers, producers and other non code parties	none

6 Implementation

Implementation Date : 1st October 2011

Implementation of this proposal on 1st October 2011 will allow the 2010/2011 OCS process to incorporate the 3 NTS/LDZ offtake classifications for 'measurement' from October 2011

These 3 categories can be included in the OCS process (July – September) prior to implementation

The other aspects of the proposal may require some operational changes and the lead time to October 2011 will allow this transition.



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7 The Case for Change



Advantages

- Targets those NTS/LDZ offtakes where adherence to the tolerance levels on flows positively impacts on the Total system's operation.
- Allows NG NTS the flexibility to alter designated offtakes 'annually' via the OCS process when demand/flow patterns necessitate
- Operational processes aligned with UNC/OAD to reflect relevant operational practice

1.

Disadvantages

No disadvantages have been identified

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8 Recommendation



The Proposer invites the Panel to:

- DETERMINE that Modification XXXX progress to Consultation

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[Insert relevant text or delete box]

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