



**0719R Workgroup
Potential FWACV Options Overview**

Initial Cost and Development Timescale Assessment

6th July 2020

Option 1 – Xoserve to calculate FWACV

DNs will send the existing data flows to Xoserve rather than to National Grid; Xoserve to calculate the DNs' daily LDZ FWACV and support the associated processes

Xoserve will:

- Undertake the daily LDZ FWACV calculation
 - Apply the LDZ Attribution Mapping rules
 - Apply LDZ CV Capping Rules where appropriate
- Create LDZ FWACV data flows into Gemini
- Send daily SC9 files to Shippers
- Send FWACV data to DNs
- Create a new Gemini screen for DNs to access and/or update the FWACV
- [Create/send the monthly FWACV Audit Report to Ofgem and, to DNs]

Option 2 – DNs to calculate FWACV

Each DN will:

- Calculate its own daily LDZ(s) FWACV
- Send a FWACV file into Gemini
- Send an 'SC9' data file to Xoserve

Xoserve will:

- Amalgamate the DNs' SC9 files
- Issue the amalgamated DN SC9 file to Shippers (existing IX network)
- Create a new Gemini screen for DNs to access and/or update the FWACV
- [Create/send the monthly FWACV Audit Report to Ofgem and, to DNs]

Initial Cost/Timescale Estimates (1)

Please note; these are high-level and are subject to change dependent on;

- fully defined/agreed business rules
- the scope and extent of ongoing support the DNs will require from Xoserve
- completion of a detailed solution option(s) impact assessment:

Option 1

- Development: Within a range of £200k-£600k
- Ongoing Support: Within a range of £75k-£200k (resource, maintenance, etc)
- Delivery Timescale: detailed analysis: 6-8 weeks, development: 6-12 months
- Implementation subject to DSC governance and planned delivery release programme

Initial Cost/Timescale Estimates (2)

Option 2

- Development: Within a range of £100k-£350k
- Ongoing Support: Within a range of £75k -£150k p/a
- Delivery Timescale: detailed analysis: 6-8 weeks, development: 4-5 months
- Implementation subject to DSC governance and planned delivery release programme

Options 1 & 2:

- New DN Gemini screen to access/update FWACV £45k-110K
- Modification of existing National Grid FWACV interfaces into Gemini (either DNs or Xoserve utilise) £tbc
- Ofgem Audit Report costs have not yet been considered

Confirmation sought from DNs (1)

Option 1:

- Will Xoserve be required to provide similar service levels to those of National Grid i.e. 7 days per week or, 5 days per week; bearing in mind potential FWACV D+5 closeout issues e.g. Bank Holidays, missing data
- Will Xoserve be required to fulfil an 'operational' role when there is missing/inaccurate data e.g. 'Loss of Record', 'Not Attributable' etc; what is the extent Xoserve will need to liaise with DNs' FWACV operational/ technical teams to resolve data issues?
 - What rules should be followed in the event of one or more DN inputs be missing/late?
- Attribution Mapping (AM) is a key element of the FWACV process and is managed and maintained by National Grid;
 - **where** will AM be managed/maintained in future
 - where would a review of AM rules take place e.g. for DNs to establish if any changes are required
 - Will AM become 'dynamic' e.g. with increased no. of biomethane sites, differing NTS flow-patterns

Confirmation sought from DNs (2)

Options 1 and 2:

- Where would full exception handling be managed and is there specific expertise required in doing so?
- Is there a requirement to develop a solution where DNs can take different options (e.g. some Option 1, some Option 2)
- Is there any requirement to hold/archive historic input data and/or mapping rules
- Would a service be provided under DSC as an Agency Service (Code service)?
- What SLAs are required for the processing and publication of outputs?
- Gemini change programme window would be required for the delivery of the new Gemini screen

Key Assumptions – to be ratified

- For Option 1, Xoserve will replicate all those FWACV processes currently undertaken by National Grid
- For Options 1 and 2, Xoserve will produce and issue the monthly FWACV Audit Report to Ofgem and DNs
- Any exception/issue management will be required in business hours (5 day week) only
- No data is required by National Grid other than in Gemini
- SC9 files will be required in the same format and frequency as currently provided to Shippers



Any questions?