GAS MARKET ISSUE (GMI)

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Version #	1.0		
Impacted Jurisdiction(s)	South Australia		
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Affected Gas Market(s)	• Retail	**Date lodged with AEMO.**	Friday, 22 July 2022
Short Issue Title	New farm tap sub-network – Pallamana, SA		
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VERSION #	PRESENTED TO	DATE
1.0	GRCF	16 August 2022

GAS MARKET ISSUE – DETAILED REPORT SECTION

1. DESCRIPTION OF ISSUE

Register a new farm tap sub-network in SA, to cater for a new large industrial customer that will be directly connected to the AGN owned Riverland Transmission Pipeline at Pallamana.

Under SA RMP clause 1.6(b) the Network Operator is required to advise AEMO of a new sub-network at least 20 business days before it becomes operational.

A farm tap sub-network is defined as… 'A delivery point which is connected to only one transmission pipeline and is not connected by a GDS or part of a GDS to any other delivery point, which a Network Operator identifies under clause 1.6 as a sub-network for contractual and operational purposes.'

2. REFERENCE DOCUMENTATION

- SA/WA Interface Control Document (ICD)- Appendix D
- Retail Market Procedures (SA) - Appendix B

3. PRIORITISATION AND TIMELINES

At this stage it is anticipated that gas will first flow in early December 2022. Changes to AEMOs system will need to be in place prior to this.

4. SPECIFIC PROPOSAL

A dedicated gate station with custody transfer meter is being constructed to supply a new large industrial customer that will be connected directly to the AGN owned Riverland Transmission Pipeline at Pallamana, near Murray Bridge in SA (refer map attached). This customer will be the only Delivery Point served by this Farm Tap.

New Gas Zone and Gate Point codes for the new farm tap sub-network need to be established in AEMO systems.

The Pallamana Farm Tap sub-network and its Sub-network code will need to be added to the lists in each of Appendix D of the SAWA Gas Retail Market Systems Interface Control Document, and the Retail Market Procedures (SA) at Appendix B.2 (HDD zones) (refer changes attached)

New Pallamana Farm Tap Sub-network Gas Zone and Gate Point codes:

A	B	CC	D	E
Network Operator	Access Arrangement	Sub-network	Heating Value Zone	Pipeline
2	1	62	1	M
Envestra (AGN)	Envestra (AGN) SA GDS	Pallamana Farm Tap	Moomba to Adelaide Pipeline (MAP) or Riverland	Moomba to Adelaide Pipeline

Therefore, the Pallamana Farm Tap sub-network Gas Zone code will be 21621, and the Pallamana Gate Point code will be 2162M.

At this stage it is anticipated that gas will first flow in early December 2022.

5. IMPACTS OF CHANGE

The new codes need to be added to AEMO's system. AGN will establish metering and add the Pallamana gate point meter data to the file it sends to AEMO daily.

AEMO has also advised that the Retail Market Procedures and the SA/WA Interface Control Document will need to be updated (See Attachment 2 and 3). Preliminary advice from AEMO is that that adding a sub-network to Heating Degree Day (HDD) zone or adding a gas zones code to a new farm tap subnetwork does not require AEMO to follow the consultation process described in Part 15B of the National Gas Rules.

6. LIKELY BENEFITS

Correct recognition of gas flows through the Pallamana gate point in market systems.

7. IMPACT OF ISSUE NOT PROCEEDING

No recognition of gas flows through the Pallamana gate point in market systems.

8. SUPPORTING DOCUMENTATION

Refer to map attached.

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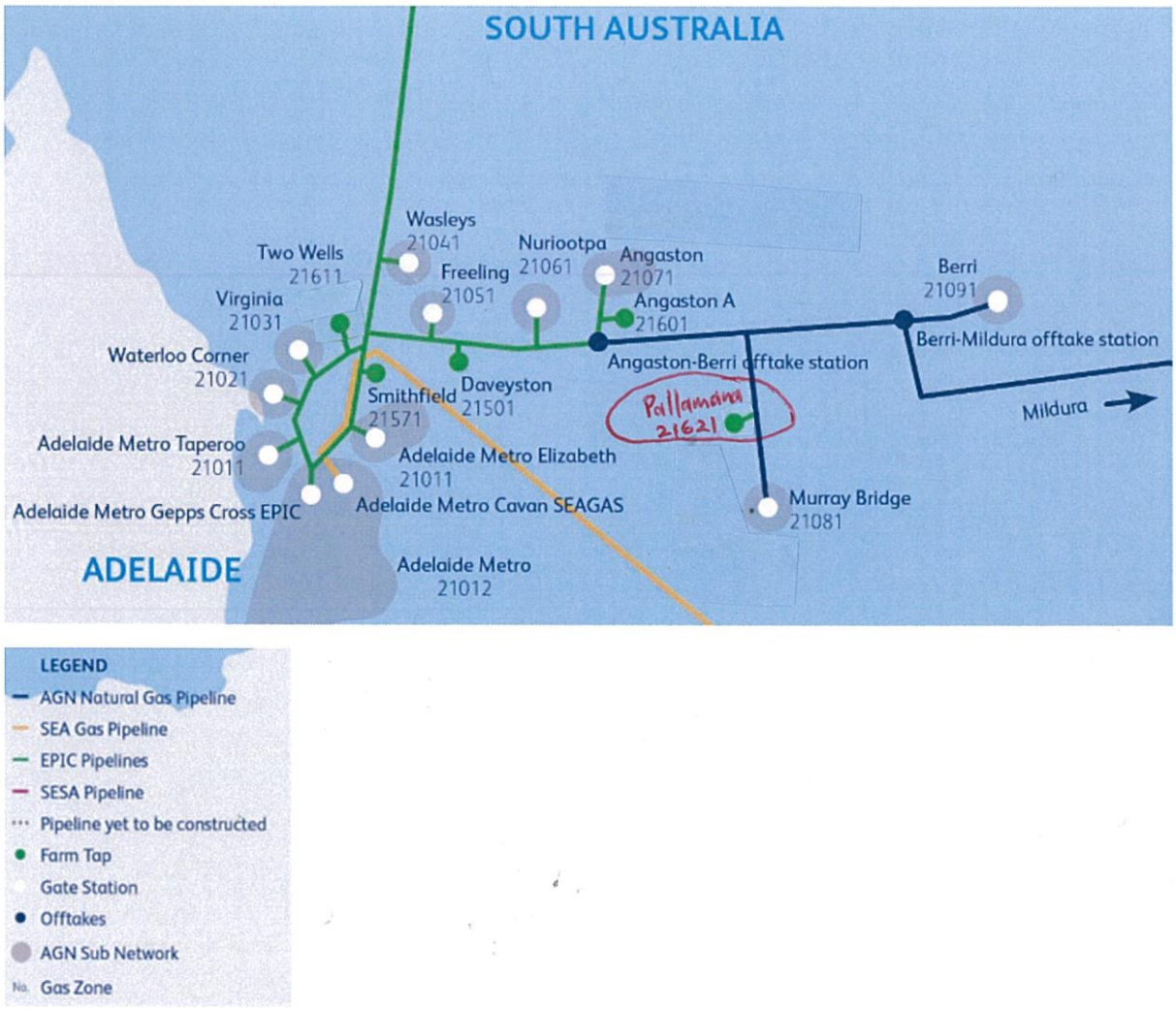
GAS MARKET ISSUE – RELEVANT ATTACHMENT(S)

ATTACHMENT 1

AGN SA DISTRIBUTION NETWORKS



ATTACHMENT 2

SA/WA Interface Control Document (ICD) - Appendix D

Appendix D Coding of Gas Zones and Gate Points

Coding of gas zones

To minimise the number of data fields required in the AEMO Registry and the *network operators' databases* the concepts of licence area, *sub-network* and *heating value* zones are all coded using a single 5 character gas zone code, as follows:

{Note: The following code is split into two components:

(a) AB – which is held in the existing two digit transmission zone and identifies the *network operator*, licence and *Access Arrangement* coverage; and

(b) CCD – which is held in the existing three digit *heating value* zone and identifies the *sub-network* and *gas zone* within the *sub-network*.}

ABCCD, where:

A is used to indicate who is the *network operator*. A is an alpha numeric field that can range from 2 to Z:

2 = Envestra

B is used to segregate by licence area and *Access Arrangement* Coverage. B is a numerical field:

Envestra in SA: 1 = Envestra SA GDS

2 = Envestra Mildura GDS

CC is a 2 character alphanumeric code used to identify the *sub-network* within a *GDS* and the code varies dependant on the A code:

Envestra in SA (ie where A = 2) CC equals as follows:

01 = Adelaide Metropolitan

02 = Waterloo Corner

03 = Virginia

04 = Wasleys

05 = Freeling

06 = Nuriootpa

07 = Angaston

08 = Murray Bridge

09 = Berri

10 = Mildura

11 = Peterborough

12 = Port Pirie

13 = Whyalla

14 = Mount Gambier

Farm tap sub-networks:

50 = Daveyston

51 = Burra

52 = Nangwarry

53 = Snuggery

54 = Whyalla A

55 = Whyalla B

56 = Whyalla C

57 = Smithfield

58 = Penola

59 = Port Bonython

60 = Angaston A

61 = Two Wells[1]

62 = Pallamana

D is used to identify a *heating value* zone within a *sub-network:*

For Envestra SA, D =

1 = Moomba to Adelaide Pipeline (MAP) or Riverland

[1] Two Wells is part of suite of minor documentation changes that form part of the IN009-21 Proposed Procedure Change (PPC). It has been included in this GMI for completeness.

2 = MAP + SEAGAS

3 = Katnook

Examples:

The Adelaide Metro sub network in Envestra's Adelaide GDS supplied by MAP	21011
The Adelaide Metro sub network in Envestra's Adelaide GDS supplied by a combined gas from MAP and SEAGAS	21012
The Port Bonython Farmtap in Envestra's SA Country GDS supplied by MAP	21591
The Smithfield Farmtap in Envestra's Adelaide GDS supplied by MAP	21571
The Mount Gambier sub network in Envestra's South East GDS	21143

Coding of gate points

A *gate point* for a *sub-network* means a point (which may be the same location as a physical gate point), which is designated as the *gate point* under clause 2.3.1 for the *sub-network* from a *pipeline* and it is the sum of all "*physical gate points*" from that *pipeline* on a *sub-network*.

Examples:

In South Australia there are 4 gate stations (each with an associated *physical gate point*) supplying gas to the Adelaide Metropolitan *sub-network* in Envestra's SA *GDS*, three from the MAP (Gepps Cross, Elizabeth and Taperoo) and one from the SEAGAS Pipeline at Cavan. As a result there are two *gate points* one that is the aggregate of the 3 MAP physical gate points and one equating to the SEAGAS *physical gate point*.

The same base coding is used to identify *gate points* at which gas is supplied into each *sub-network* from each *pipeline*. The coding used is as follows:

ABCCE, where:

A is used to indicate who is the *network operator*. A is an alpha numeric field that can range from 2 to Z, refer above for details.

B is used to segregate by licence area and *Access Arrangement* Coverage. B is a numerical field, refer above for details.

CC is a 2 character alphanumeric code used to identify the *sub-network* within a *GDS* and the code varies dependant on the A code, refer above for details.

E is used to indicate which *pipeline* the gate is connected to. E is an alpha field that can range from A to Z:

Envestra in SA: S = SEAGas Pipeline

M = Moomba to Adelaide Pipeline

K = Katnook Pipeline

Examples:

The gate point on the MAP that supplies the Adelaide Metro sub network in Envestra's SA GDS	2101M
The gate point on the SEAGas Pipeline that supplies the Adelaide Metro sub network in Envestra's SAGDS	2101S
The gate point on the Katnook Pipeline that supplies the Mount Gambier sub network in Envestra's SA GDS	2114K
The gate point on the MAP that supplies the Mildura sub network in Envestra's Mildura GDS	2210M

ATTACHMENT 3

Retail Market Procedures (SA) APPENDIX B

APPENDIX B. HEATING DEGREE DAY FOR SOUTH AUSTRALIA

B.2 HDD zones

(a) For the purposes of clause 8.1.6, South Australia contains the following *positive HDD zone*s:
  (i) Northern *HDD zone*;
  (ii) Adelaide Region *HDD zone*;
  (iii) Riverland *HDD zone;* and
  (iv) Mount Gambier *HDD zone.*

  The designated weather observation station for the *HDD zone* described in sub clause (i) to (iv) are published in the register described in sub clause (a).

(b) For the purposes of clause 8.1.6, South Australia contains the following *negative HDD zone*s:
  (i) Adelaide Metropolitan *HDD zone*.

(c) The designated weather observation stations for the *HDD zones* described in paragraphs (a) and (b) are published in the *Register of Weather Related Information*.

(d) A *basic-metered delivery point*:
  (i) is in the Northern *HDD zone* if the *basic-metered delivery point* is located in one of the following *gas zone*s, or in a new *gas zone* designated under clause 1.6 as being in the Northern *HDD zone*:

    11 – Peterborough

    12 – Port Pirie

    13 – Whyalla

    54 – Whyalla A

    55 – Whyalla B

    56 – Whyalla C

    59 – Port Bonython

  (ii) is in the Adelaide Region *HDD zone* if the *basic-metered delivery point* is located in one of the following *gas zone*s, or in a new *gas zone* designated under clause 1.6 as being in the Adelaide Region *HDD zone*:

    02 – Waterloo Corner

    03 – Virginia

    04 – Wasleys

    05 – Freeling

    06 – Nurioopta

    07 – Angaston

    08 – Murray Bridge

    50 – Daveyston

    51 – Burra

    57 – Smithfield

60 – Angaston A

61 – Two Wells[1]

62 - Pallamana

(iii) is in the Riverland *HDD zone* if the *basic-metered delivery point* is located in one of the following *gas zone*s, or in a new *gas zone* designated under clause 1.6 as being in the Riverland *HDD zone*:

09 – Berri

10 – Mildura

(iv) is in the Mount Gambier *HDD zone* if the *basic-metered delivery point* is located in one of the following *gas zone*s, or in a new *gas zone* designated under clause 1.6 as being in the Mount Gambier *HDD zone*:

14 – Mount Gambier

52 – Nangwarry

53 – Snuggery

58 – Penola.

(v) is in the Adelaide Metropolitan *HDD zone* if the *basic-metered delivery point* is located in one of the following *gas zone*s, or in a new *gas zone* designated under clause 1.6 as being in the Adelaide Metropolitan *HDD zone*:

01 – Adelaide Metropolitan.