



Koordinierter
Netzentwicklungsplan 2014 – 2023
Executive Summary



**GAS CONNECT
AUSTRIA**

Gas Connect Austria GmbH (GCA) in its role as Market Area Manager (MAM) has established the second Coordinated Network Development Plan (KNEP) for the Austrian Market Area East. The KNEP 2014 – 2023 aims at providing a view on the development of the capacity demand as well as a view on the development of the infrastructure in the Austrian Market Area East. The development of the gas market on a European and national level requires both, a coordination of Transmission System Operators (TSOs) on a European level and an extensive coordination of national TSOs in order to contribute in the best possible way to security of supply. In its role as MAM GCA links the European top-down approach of the European Network of Transmission System Operators (ENTSOG) as well as the bottom-up approach of the Distribution Area Manager (DAM) with the domestic planning instrument “Langfristplanung”.

The operative Austrian TSOs have conducted a market survey at the respective Entry and Exit Points in the course of establishing their Network Development Plans (NEPs) for the planning period 2014 – 2023. After having compared the requested capacities with the corresponding available capacities potential congestions at the Entry/Exit Point Überackern SUDAL and ABG, 7 Fields and temporarily at the Exit Point Mosonmagyaróvár have been identified. The market surveys of Trans Austria Gasleitung GmbH (TAG) and Baumgarten-Oberkappel Gasleitungsgesellschaft m.b.H (BOG) have not signaled any potential congestion in the planning period. Tauerngasleistung GmbH, which currently does neither possess nor operate a pipeline system, has carried out the capacity demand survey “5 GL” (August – October 2011 published on the homepage of Tauerngasleitung GmbH) and has identified an additional capacity demand in a North-South direction as of 2017. Herewith the position of Tauerngasleitung GmbH is further strengthened. The authorization process for the project has started.

The analysis of BOG’s NEP has shown that the capacity situation at the interconnection point Oberkappel has eased significantly. The current developments can be explained by the change of the gas flow towards East-West. Moreover, the increased flexibility of the Entry/Exit System which offers the possibility to offtake gas for domestic supply at hydraulically more convenient points as well as the improved pressure situation through the activation of WAG 3 are partly responsible for the situation described. Through the implementation of Use It Or Lose It (UIOLI) additional short-term FZK Capacity at IP Oberkappel is offered. Taking into consideration that there is still available capacity at the IP Oberkappel is further prove that the capacity situation has eased. Therefore the domestic supply as well the storage supply can be assured. Despite the favourable developments the situation at the interconnection point Oberkappel will be closely monitored regarding necessary measures.

The analysis of GCA’s NEP regarding the technical necessity and economical reasoning for offering the additional demand has revealed that the prospective market needs for incremental capacity at the Entry/Exit Point Überackern would need to be met by investments in the gas infrastructure. The project is realized on the condition that the allocable costs for the Entry/Exit Point Überackern are covered through long-term bookings based on the CAM-Network Code and that the allocable costs for the Entry/Exit Point 7Fields are covered through long-term bookings of the storage company. As the market surveys of BOG, TAG and the DAM have not resulted in any additional demand in the planning period it has been concluded that the additional demand has to be classified as substitution capacity. Moreover, the additional demand for transit capacity as of 2014 is not reflected in the German NEP 2013 (Netzentwicklungsplan Gas 2013). Still the development of capacity demand is monitored continuously in order to plan the appropriate measures accordingly.

TAG’s NEP has shown that the additional capacity demand can be served with the current infrastructure. Hence, no additional infrastructure is planned.

Above all, the TYNDP 2013 confirms with result of the disruption scenarios of >20 % together with the result of the N-1 scenario of 233%, which was updated by the DAM and the MAM, an above average flexibility of the Austrian gas market. Additionally these results confirm that the additional demand can be covered with the existing infrastructure.

Stakeholders are invited to submit their feedback to the KNEP 2014 – 2023 to the MAM (marktgebietsmanager@gasconnect.at) in order to contribute to the continuous development of the document.

The following projects are submitted to ECA for approval in the KNEP 2014 – 2023:

BOG2013/01 - Pressure Service Agreement

Project Number:	<i>BOG-2013/01 Pressure Service Agreement</i>		
Project Name:	<i>Extension of the Pressure Service Agreement (PSA) between BOG GmbH and the operators of the MEGAL Süd to ensure the supply of the metropolitan area Linz, in case of technical defects in the Upper Austrian distribution network.</i>		
Project Promoter:	BOG GmbH	Completion:	Q4/2013
		Date of issue:	01.06.2013
Project Target:	<p>The aim of this project is the extension and amendment of the existing PSA with Open Grid Europe (OGE) and GRTgaz Germany (GRTgaz D) to ensure the supply of the metropolitan area Linz, in case of technical defects in the Upper Austrian distribution network. Therefore the arrangements with the operator of the Penta West (Gas Connect Austria, GCA) and AGGM need to be reviewed and adjusted. The extension is valid for one year (01.01.2014-31.12.2014). Another extension for one year will be evaluated before expiry.</p>		
Particular Consideration:	<p>This measure intended to ensure domestic supply in case of emergency situations.</p>		
Project Description:	<p>For transport direction West-East the operators of the MEGAL Süd provide, on request from AGGM via BOG, a higher handover pressure than the agreed one at the transfer point in Oberkappel. In analogue this requires an agreement with Gas Connect Austria as operator of the Penta West (PW) on the compliance with the delivery pressure at the interface PW / WAG (BOP 14). This allows subsequently the supply of gas with sufficient pressure to the AZP Bad Leonfelden and Rainbach.</p>		
Technical Data:	---		
Economic Data:	<p>The invoiced costs from OGE/GRTGaz D to BOG GmbH will be approved by ECA in the tariff without discount as energy costs and will be taken into account after four years with the actual values, according to § 82 GWG 2011.</p> <p>The costs therefore will not be invoiced to AGGM or the consumer of the market area.</p>		
Public Interest:	No		
Project Status:	The project will be submitted for approval.		

GCA2013/02 - Penta West Extension 1

Project Name:	Penta West Extension 1		
Project Sponsor:	Gas Connect Austria	Commissioning:	Q3/2017
	GmbH	Status:	30.09.2013
Project Objective: The objective of the project is to increase the technical capacity at the Entry/Exit Point Überackern in order to offer capacity from and to storage facilities as well as the incremental capacity at the Entry/Exit Point Überackern on a guaranteed basis.			
Important facts: The investment focusses only on the Austrian gas infrastructure connected at the Entry/Exit Point Überackern (Penta West), as the incremental capacity submitted in the course of the market survey is treated as substitution capacity. Corresponding with the Project G00.040 the extension of the Penta West has the potential to strengthen the connection of the storages to the VTP.			
Project Description: In Überackern an additional compressor station for the transport of 710.000 Nm ³ (0°)/h to Oberkappel has to be established. Furthermore, it is necessary to increase the measuring capacity at SUDAL. An efficient technical solution is the crossing of SUDAL and ABG.			
Technical Data: The following incremental Entry/Exit capacity at Überackern and 7 Fields to the transmission system will be established: Entry Überackern 285.500 Nm ³ (0°)/h Exit Überackern 35.000 Nm ³ (0°)/h Entry 7 Fields 250.000 Nm ³ (0°)/h Exit 7 Fields 250.000 Nm ³ (0°)/h			
Economic Reasoning: Investment basis 2013: Mio € █████. The cost estimation is provided with an accuracy of +/- 20%. The project is realized on the condition that the allocable costs for the Entry/Exit Point Überackern are covered through long-term bookings based on the CAM-Network Code and that the allocable costs for the Entry/Exit Point 7Fields are covered through long-term bookings of the storage company.			
Project Description: This project will be necessary to offer capacity from and to storage facilities connected to the transmission system on a guaranteed basis and to offer part of the submitted incremental capacity demand. Additionally the national and European level of security of supply is further strengthened. The project covers the conditions stated in award No. 3 of the decree V KNEP G 01/12.			
Status of the Project: The project is submitted for approval on the conditions elaborated in the economic data.			

GCA2013/03 - Penta West Extension 2

Project Name:		Penta West Extension II	
Project Sponsor:	Gas Connect Austria	Commissioning:	Q3/2019
	GmbH	Status:	30.09.2013
Project Objective:			
<p>The objective of the project is to increase the technical capacity at the Entry/Exit Point Überackern in order to offer capacity from and to storage facilities as well as the incremental capacity at the Entry/Exit Point Überackern on a guaranteed basis.</p>			
Important facts:			
<p>The investment focusses only on the Austrian gas infrastructure connected at the Entry/Exit Point Überackern (Penta West), as the incremental capacity submitted in the course of the market survey is treated as substitution capacity. Corresponding with the Project G00.040 the extension of the Penta West has the potential to strengthen the connection of the storages to the VHP and represents an extension to the project Penta West Extension II.</p>			
Project Description:			
<p>Due to the substantial capacity request a modification of the existing Penta West System is not advisable. For the requested incremental capacity a new pipeline has to be established next to the existing Penta West System. This means that the Metering Station at Neustift incl. compressor station a [REDACTED] Loop-Pipeline [REDACTED], a new metering station in Überackern and an additional compressor station for the gas transport from Überackern to Neustift.</p>			
Technical Data:			
<p>The following incremental Entry/Exit capacity at Überackern and 7 Fields to the transmission system will be established:</p>			
Entry Überackern	1.679.500 Nm ³ (0°)/h		
Exit Überackern	1.429.000 Nm ³ (0°)/h		
Entry 7 Fields	250.000 Nm ³ (0°)/h		
Exit 7 Fields	250.000 Nm ³ (0°)/h		
Economic Reasoning:			
<p>Investment basis 2013: Mio € [REDACTED]. The cost estimation is provided with an accuracy of +/- 20 %. The project is realized on the condition that the allocable costs for the Entry/Exit Point Überackern are covered through long-term bookings based on the CAM-Network Code and that the allocable costs for the Entry/Exit Point 7Fields are covered through long-term bookings of the storage company.</p>			
Project Description:			
<p>This project will be necessary to offer capacity from and to storage facilities connected to the transmission system on a guaranteed basis and to offer part of the submitted incremental capacity demand. Additionally the national and European level of security of supply is further strengthened. The project covers the conditions stated in award No. 3 of the decree V KNEP G 01/12.</p>			
Status of the Project:			
<p>The project is submitted for approval on the conditions elaborated in the economic data.</p>			