

GAS REGIONAL INVESTMENT PLAN 2017

Baltic Energy Market

Interconnection Plan



ANNEX A: INFRASTRUCTURE PROJECTS





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Balticconnector							
TRA-N-895		Project		Pipeline including	J CS N	on-FID	
Update Date		20/05/2016			Ac	lvanced	
Description	New bidirectional offshore p) and 20 km onshore pipelin nominal capacity of 7.2 mcm	ipeline (Inkoo-Paldiski, DN500, 80 bar) e in Fl (Siuntio-Inkoo pipeline, DN500, 8 n/day. The power of each compressor st	of 80 km, plus 50 km onsh 30 bar) including metering ation is about 10 MW.	nore pipeline in EE (Kii and compressor stati	li-Paldiski pipeline, ons at both ends v	DN 700, 55 bar vith a daily	
Regulatory Decisions and similar material conditions	The Regulators of Finland (E Estonia-Latvia interconnectio	nergiavirasto) and Estonia (Konkurentsi on project.	iamet) have made a comm	non CBCA decision for	the Balticconnecto	or and	
Capacity Increments Variant	For Modelling						
Point		Operator	Year	From Gas System	To Gas System	Capacity	
Balticonnector / Paldiski (EF		Elering AS	2019	EE	FI/BAC	79.0 GWh/d	
)	Elering AS	2019	FI/BAC	EE	79.0 GWh/d	
Sponsors		General Informati	on				
EE Kiili pressure reduction st	ation	Promoter	Elering AS			Ba	
Elering AS	100%	Operator	Elering AS			rrie	
EE Kiili-Paldiski pipeline		Host Country	Estonia	Financing		1 ^{rs} (O	
Elering AS	100%	Status	Planned			oun	
EE Paldicki motoring and Co	maraccar station	Website	<u>Project's URL</u>			t	
Elering AS	100%	Publication Approval Status	Approved				
FI Inkoo metering and comp	pressor station						
Baltic Connector OY	100%						
Fl Inkoo-Siuntio pipeline							
Baltic Connector OY	100%						
FI-EE Inkoo-Paldiski Offshor	e pipeline						
Baltic Connector OY	50%						
Elering AS	50%						

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NDP and PCI Information		Schedule	Start Date	End Date	Third-Party A	Access Regime
Part of NDP	Yes (EESTI GAASIÜLEKANDEVÕRGU	Pre-Feasibility		12/2005	Considered TPA Regime	Regulated
	ARENGUKAVA 2016-2025)	Feasibility	01/2006	12/2006	Considered Tariff Regime	Regulated
NDP Number	3.2	FEED	01/2016	02/2016	Applied for Exemption	No
		Market Test		03/2016	Exemption Granted	Not Relevant
Currently PCI	Yes (8.1.1)	Permitting	12/2012	01/2018		
		Supply Contracts		11/2016	Exemption in entry direction	0.00%
CBCA Decision	Yes (2016-04-22)	FID		09/2016	Exemption in exit direction	0.00%
Market Survey	Other(2016-03-09)	Construction	11/2016	12/2019		
		Commissioning	2019	2019		

Pipelines and Compressor Statio	15			
Pipeline Sec	ion Pipeline Comment	Diameter (mm)	Length (km)	Compressor Power (MW)
EE Onshor	e Kiili-Paldiski onshore pipeline, Paldiski compressor station	700	50	10
FI Onshor	e Inkoo-Siuntio pipeline, Inkoo compressor statiion	500	20	10
Offshore	Inkoo-Paldiski offshore pipeline	500	80	
	Total		150	20
	PCI Details			
PCI Benefits	Project changes the capability to transmit gas across the borders of the member state prior to the commissioning of the project, Project concerns investment in reverse flow	s concerned by at capacity	t least 10%, co	ompared to the situation
General Criteria Fulfilled	Yes			
Specific Criteria Fulfilled	Competition, Market Integration, Security of Supply, Sustainability			
Specific Criteria Fulfilled Comments Specific Cr				

	Time Schedule
Grant Obtention Date	17/04/2015
Delay Since Last TYNDP	
Delay Explanation	
	Benefits
Main Driver	Regulation-Interroperability
Main Driver Explanation	Balticconnector will lift Finland out of the current energy isolation and will provide Finland an opportunity to join in the European single gas market and to terminate the derogations on the EU gas market legislation.
Benefit Description	Project has several qualitative and quantitative benefits, such as inccrease in energy security, price convergence in the region, development of the energy market etc.
	Barriers
Barrier Type	Description
Financing	Availability of funds and associated conditions

Enhancement of Estonia-Latvia interconnection

TRA-N-915	Project	Pipeline including CS	Non-FID
Update Date	15/07/2016		Advanced
Description	The project composes of implementation of reverse flow in Karksi metering station in reverse flow gas measuring station would be erected to the location of the existing measuring of gas quantities thru Estonia with the main advantages of reverse flow us pipeline. Karksi reverse flow enables the full use of Inculkalns UGS for all the market pransportation of gas thru Estonia and the Balticconnector offshore pipeline to the Fi the full use of the planned offshore pipeline without a compressor station in south or physical implementations needed for market integration between the Baltics and Fin	n Estonia and of a compressor station in neasuring station in Karksi. Karksi revers and after the commissioning of the Balti participants. Puiatu compressor station of nnish gas market. The current system de f Estonia. Puiatu compressor station is a land.	Puiatu, Estonia. The se flow enables the cconnector offshore enables the esign does not enable in integral part of the
Regulatory Decisions and similar material conditions	The Regulators of Finland (Energiavirasto) and Estonia (Konkurentsiamet) have made Estonia-Latvia interconnection project.	e a common CBCA decision for the Balti	cconnector and

Capacity Increment	Variant For Modelling			
Point	Operator Year	From Gas System	To Gas System	Capacity
Korkei	Elering AS 2019	EE	LV	105.0 GWh/d
Karksi	Elering AS 2019	LV	EE	42.0 GWh/d

ponsors		General Informa	tion	
Karksi metering station		Promoter	Elering AS	
Elering AS	100%	Operator	Elering AS	
Puiatu Compressor Station		Host Country	Estonia	Financing
Elering AS	100%	Status	Planned	
		Website	<u>Project's URL</u>	
		Publication Approval Status	Approved	

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	NDP and PCI Information	Schedule	Start Date	End Date	Tł	hird-Party Acc	cess Regime
	Yes (EESTI GAASIÜLEKANDEVÕRGU	Pre-Feasibility		01/2015	Considered TPA F	Regime	Regulated
Fall OF NDF	ARENGUKAVA 2016-2025)	Feasibility	01/2015	01/2016	Considered Tariff	Regime	Regulated
NDP Number	3.2	FEED	05/2015	05/2016	Applied for Exem	ption	No
		Market Test		03/2016	Exemption Grante	ed	Not Relevant
Currently PCI	Yes (8.2.2)	Permitting	09/2015	09/2016			
		Supply Contracts		03/2018	Exemption in entr	y direction	0.00%
CBCA Decision	Yes (2016-04-22)	FID		09/2016	Exemption in exit	direction	0.00%
Market Survey	Other(2016-03-09)	Construction	04/2017	12/2019			
		Commissioning	2019	2019			
Pinelines and Co	ampressor Stations						
ripennes and ce	Pipeline Section	p	ineline Comment		Diameter (mm)	Length (km)	Compressor Power (MW)
	Karsi GMS, Pujatu CS				0	0	10
	Т	otal			-	0	10
			PCI Details				
PCI Benefits	Project changes the cap prior to the commission	ability to transmit gas ning of the project, Pro	across the borders of the ject concerns investment	member stat	es concerned by a w capacity	t least 10%, co	ompared to the situation
General Criteria F	Fulfilled Yes						
Specific Criteria F	Fulfilled Competition, Market Int	tegration, Security of S	upply, Sustainability				
Specific Criteria F	Fulfilled Comments The projects also target move to Finnish-Baltic s	increased regional co single entry-exit zone,	operation and have a stro which has been identified	ng focus on c as the best fi	consumers and vul it solution in the "B	nerable energ altic regional	y customers. The aim is to gas market study".
			Benefits				
Main Driver	Regulation-Interroperability						
Main Driver Expla	anation Main project driver is the operation	hal link with the Balticc	onnector project				

Benefit Description

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	Barriers
Barrier Type	Description
Financing	Availability of funds and associated conditions

	Balticconnector Finnish p	art	
TRA-N-928	Project	Pipeline including CS	Non-FID
Update Date	24/05/2016		Advanced
Description	New bidirectional offshore pipeline (Inkoo-Paldiski, DN500, 80 bar) of 80 bar) and 20 km onshore pipeline in FI (Siuntio-Inkoo pipeline, DN500, 80 nominal capacity of 7.2 mcm/day. The power of each compressor station	km, plus 50 km onshore pipeline in EE (Kiili-Paldiski bar) including metering and compressor stations at is about 10 MW.	pipeline, DN 700, 55 both ends with a daily
Regulatory Decisions and similar material conditions	The Regulators of Finland (Energiavirasto) and Estonia (Konkurentsiamet Latvia interconnection project.) have made a common CBCA decision for the Baltic	connector and Estonia-

Capacity Increments Variant For Modelling					
Point	Operator	Year	From Gas System	To Gas System	Capacity
Politiceonnector / Signatio (El)	Baltic Connector Oy	2019	FI	FI/BAC	79.0 GWh/d
Balticconnector / Siuntio (FI)	Baltic Connector Oy	2019	FI/BAC	FI	79.0 GWh/d
Deltiserrester (Deldisli (CC)	Baltic Connector Oy	2019	EE	FI/BAC	79.0 GWh/d
Balticonnector / Paldiski (EE)	Baltic Connector Oy	2019	FI/BAC	EE	79.0 GWh/d

Sponsors			
EE Kiili pressure redu	iction station		
Elering AS			100%
EE Kiili-Paldiski pipel	line		
Elering AS			100%
EE Paldiski metering	and Compress	sor station	
Elering AS			100%
FI Inkoo metering an	nd compressor	station	
Baltic Connector OY			100%
FI Inkoo-Siuntio pipe	eline		
Baltic Connector OY	1		100%
FI-EE Inkoo-Paldiski	Offshore pipel	line	
Baltic Connector OY			50%

	General Inform	nation	
Promoter		Baltic Connector Oy	
Operator		Baltic Connector Oy	
Host Country		Finland	Financing
Status		Planned	
Website		<u>Project's URL</u>	
Publication Appr	oval Status	Approved	

	NDP and PCI Information	Schedule	Start Date	End Date	Third-Party Access R	egime
	No (The national Natural Gas Market	Pre-Feasibility		12/2005	Considered TPA Regime	Regulated
Part of NDP	legislation does not set system operators	Feasibility	01/2006	12/2006	Considered Tariff Regime	Regulated
	any obligation to draw up and publish a NDP)	FEED	01/2016	02/2016	Applied for Exemption	No
NDP Number		Market Test		03/2016	Exemption Granted	Not Relevant
		Permitting	12/2012	01/2018		
Currently PCI	Yes (8.1.1)	Supply Contracts			Exemption in entry direction	0.00%
		FID		09/2016	Exemption in exit direction	0.00%
CBCA Decision	Yes (2016-04-22)	Construction	11/2016	12/2019		
Market Survey	Other(2016-03-09)	Commissioning	2019	2019		

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Current ⁻	TYNDP :	TYNDP 2017	- Annex A
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Pipelines and Compress	sor Stations					
Pipeline Section		Pipeline Comment	Diameter (mm)	Length (km)	Compressor Power (MW)	
E	EE Onshore	Kiili-Paldiski onshore pipeline, Paldiski compressor station	500	50	10	
F	FI Onshore	Inkoo-Siuntio pipeline, Inkoo compressor station	500	20	10	
	Offshore	Inkoo-Paldiski offshore pipeline	700	80		
		Total		150	20	
		PCI Details				
PCI Benefits		Project changes the capability to transmit gas across the borders of the member states prior to the commissioning of the project, Project concerns investment in reverse flow	s concerned by at capacity	: least 10%, co	mpared to the situation	
General Criteria Fulfilled	1	No				
Specific Criteria Fulfilled	i //	Competition, Market Integration, Security of Supply, Sustainability				
Specific Criteria Fulfilled	l Comments	and improve the energy security of the Baltic-Finnish region. The integration of the Fir coherent and diverse natural gas transmission network in the Baltic Sea region, guaran eastern Member States of the EU by lifting Finland out of the current energy isolation technical implementations for energy independence. The projects also target increased consumers and vulnerable energy customers. The aim is to move to Finnish-Baltic sinc fit solution in the "Baltic regional gas market study".	nnish and Estonia ntee the security of and enhance EU d regional cooper gle entry-exit zono	n gas infrastru of natural gas energy solidar ration and hav e, which has b	ictures will ensure a more supply for the north- ity by providing needed re a strong focus on een identified as the best	
		Time Schedule				
Grant Obtention Date		17/04/2015				
Delay Since Last TYNDP						
Delay Explanation						
		Expected Gas Sourcing				
Russia, Central Europe						
Benefits						
Main Driver	Regulation-Interroperability					
Main Driver Explanation	Balticconnector will lift Finland out of the current energy isolation and will provide Finland an opportunity to join in the European single gas market and to terminate the derogations on the EU gas market legislation.					
Benefit Description	Project has several qualitative and quantitative benefits, such as inccrease in energy security, price convergence in the region, development of the energy market etc.					

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Barriers				
Barrier Type	Description			
Financing	Availability of funds and associated conditions			

Enhancement of Incukalns UGS

UGS-N-374	Project	Storage	e Facility	Non-FID		
Update Date	28/04/2016			Advanced		
Description	The Incukalns Underground Gas Storage facility is the only gas storage of the East-Baltic region located within the EU. Reliable operation of Incukalns UGS is essential for the whole East-Baltic Region because considerable amount of gas in the region is used for heating, therefore, winter and summer consumption figures differ few times, and the storage is used for meeting of gas demand during the heating season. Analysis of gas flows in the East-Baltic region carried out jointly by TSOs showed that daily withdrawal capacity of Incukalns UGS shall be increased, and especially it is important in the end of withdrawal season when currently withdrawal capacity drops significantly. After completion of enhancement of Incukalns UGS, increase of withdrawal capacity will have significant positive impact on efficiency of operation of the whole East-Baltic joined gas system and will increase security of supply. After construction of GIPL pipeline and Balticconector the market area for Incukalns					
Regulatory Decisions and similar material conditions						
Capacity Increments Variant	For Modelling					
Point	Operator	Year From Gas	System To Gas	System Capacity		

Point	Operator	Year	From Gas System	To Gas System	Capacity
	Latvijas Gaze	2019	STcLV	LV	30.0 GWh/d
	Latvijas Gaze	2021	STcLV	LV	20.0 GWh/d

Sponsors		General Inform	nation		
JSC "Latvijas Gaze"	100%	Promoter	JSC "Latvijas Gaze"	_	
		Operator	Latvijas Gaze	Market	
		Host Country	Latvia		
		Status	Planned	Financing	
		Website	<u>Project's URL</u>		
		Publication Approval Status	Approved		

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urrent IYNDP:	IYNDP 2017 - Annex A					Page 400 of 620
	NDP and PCI Information	Schedule	Start Date	End Date	Third-Party Access Rec	jime
	No (National developmeny plan for 2014-	Pre-Feasibility			Considered TPA Regime	Regulated
	2020 does not specify particular projects,	Feasibility	10/2011	02/2012	Considered Tariff Regime	Regulated
Part of NDP	nowever, under Activity Energy efficiency and energy production" item "7	FEED			Applied for Exemption	No
	Development of enery infrastructure	Market Test			Exemption Granted	No
	networks" may include the project.)	Permitting	05/2014			
NDP Number		Supply Contracts			Exemption in entry direction	0.00%
		FID			Exemption in exit direction	0.00%
Currently PCI	Yes (8.2.4)	Construction	03/2014			
		Commissioning	2019	2021		
CBCA Decision	Yes (2014-04-30)	_				
Market Survey	Other(2014-01-17)					
		Technical	Information (UGS)			
Charlena Fasility	Incukalns Underground					
Storage Facility	Gas Storage					
Storage Facility	Type Aquifer					
Multiple-Cycle	No					
Working Volume	e (mcm) 0.00	Depending on market nee	eds the increment can r	each 900 mcr	n	
		F	PCI Details			
PCI Benefits	Project aims at fulfilling supplying directly or inc	the infrastructure standar directly at least two Memb	rd (N-1) rule at regiona per States	al level in acco	ordance with Article 6(3) of Regulation E	U, Project aims at
General Criteria	Fulfilled Yes					
Specific Criteria	Fulfilled Competition, Market In	tegration, Security of Supp	oly, Sustainability			
Specific Criteria	Fulfilled Comments Project is extremely imp contributes to market ir	oortant for security of sup ntegration, sustainability a	ply for the whole East- nd competition	Baltic region	and together with the other complimen	tary projects
		Tir	ne Schedul <u>e</u>			
Grant Obtention	n Date					
Delay Since Last	TYNDP Two years					

urrent TYNDP : TYNDF	2017 - Annex A	Page 401 of 620
Delay Explanation	Lack of financing	
	Expected G	as Sourcing
Russia, LNG ()		
	Ben	fits
Main Driver	Market Demand	
Main Driver Explanation	East-Baltic TSOs joint analysis. Other important driver is security of competion of GIPL and Balticconector it is expected that market a	f supply determined by the joint risk assessment of Lithuania, Latvia and Estonia. After rea for the storage will also include Poland and Finland
Benefit Description	The major benefit of the project is improvement of the security of together with other gas infrastructure projects in the Baltic region Klaipeda LNG terminal) the project increases security of gas suppl as well as integrating gas networks of the Baltic countries and Fin flows in the East-Baltic region by offering required volumes of gas liquid gas market in the East-Baltic region and possibility to be us	supply for the East-Baltic region in case of gas supply disruption. In addition, jointly (Intra-Baltic Connections, GIPL, Balticconnector and LNG terminal in the Gulf of Finland, y to the consumers by contributing into diversification of gas supply sources and routes, and into the common EU gas network. It also provides possibility to optimize the gas of for business purposes and in case of emergency and contributes towards creation of a ed as a gas hub for the whole region.
	Barr	iers
Barrier Type	Description	
Market	Lack of market support	
Financing	Availability of funds and associated conditions	

Gas Interconnection Poland-Lithuania (GIPL) (Lithuania's section)

TRA-N-341		Proje	ct		Pipeline including	g CS N	on-FID
Update Date			06/05/2016			Ac	lvanced
Description	The project is aimed to estab integrate the isolated gas ma implementing the project a 1 Lithuania's side.	lish a well-functio arkets of the Baltic 65 km-long and 7	ning new bidirectional inte States into the EU gas gri '00 mm-diameter pipeline	erconnection betwee d, by introducing an and gas pressure rec	n the Polish and Lithua alternative gas supply duction and metering	anian gas transmis route to the Baltic station will be cons	sion systems to States. By structed on
Regulatory Decisions and similar material conditions	On 11 August 2014 ACER add Interconncetion Poland-Lithu	opted a decision N Iania Project of Co	No 01/2014 On The Investi Sommon Interest No. 8.5.	ment Request includi	ng Cross-Border Cost	Allocation for The	Gas
Capacity Increments Variant	For Modelling						
Point		Operato	or	Year	From Gas System	To Gas System	Capacity
later and the DL LT		AB Amb	oer Grid	2019	LT	PL	51.1 GWh/d
Interconnector PL-LI		AB Amb	oer Grid	2019	PL	LT	73.9 GWh/d
Sponsors			General Information		No Ba	arriers Defined	
AB Amber Grid	100%	Promoter		AB Amber Grid			Barı

Ab Amber Ghu	100%	Promoter	Ab Aniber Griu	a
		Operator	AB Amber Grid	rrier
		Host Country	Lithuania) s
		Status	Planned	oun
		Website	Project's URL	Ð
		Publication Approval Status	Approved	

NDP and PCI Information Schedule End Date **Third-Party Access Regime** Start Date Yes (Ten-year Network Development Plan Pre-Feasibility 12/2012 Considered TPA Regime Regulated Part of NDP 2014-2023) Feasibility 02/2013 Considered Tariff Regime Regulated 02/2012 NDP Number n/a FEED 05/2015 09/2016 Applied for Exemption No Market Test 09/2012 Exemption Granted No **Currently PCI** Yes (8.5) Permitting 07/2016 09/2016 09/2017 Exemption in entry direction Supply Contracts 0.00% Yes (2014-08-11) **CBCA** Decision FID 10/2016 Exemption in exit direction 0.00% Other(2012-09-21) Construction Market Survey 10/2016 06/2019 Commissioning 2019 2019 **Pipelines and Compressor Stations Pipeline Section Pipeline Comment** Diameter (mm) Length (km) Compressor Power (MW) Border PL/LT - Jauniunai 700 165 Total 165 **PCI** Details Project changes the capability to transmit gas across the borders of the member states concerned by at least 10%, compared to the situation PCI Benefits prior to the commissioning of the project, Project concerns investment in reverse flow capacity General Criteria Fulfilled Yes Specific Criteria Fulfilled Competition, Market Integration, Security of Supply, Sustainability Specific Criteria Fulfilled Comments **Time Schedule** 15/10/2015 Grant Obtention Date **Delay Since Last TYNDP Delay Explanation** Benefits Main Driver Market Demand Main Driver Explanation

Current TYNDP : TYNDP 2017 - Annex A

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Benefit Description

Gas Interconnection Poland-Lithuania (GIPL) - PL section

TRA-N-212	Project	Pipeline including CS	Non-FID
Update Date	19/05/2016		Advanced
Description	GIPL aims to connect the gas transmission systems in Poland and Lithuania the Baltic States (and Finland) with the Polish and EU gas markets. This will competition and the security of gas supply. The project will also provide an terminal in Świnoujście. The construction of GIPL, except the above benefits also allow to connect the Baltic States with the CEE countries, thus providing corridors. As part of the project implementation on the Polish side, it is fore border and construct CS Gustorzyn. The commissioning year of the project has	and, consequently, enable the integration of the creation of a regional gas marked access to the global LNG market for the Baltic State for security and diversification of gas supplies in g strategic link between the BEMIP and North-Sourseen to construct the pipeline between Holowczy as been moved to 2021.	isolated gas markets in et, enhancement of ates via the LNG the Baltic region, will uth East priority rce and PL-LT
Regulatory Decisions and similar material conditions			

cupacity increments variant for modeling					
Point	Operator	Year	From Gas System	To Gas System	Capacity
Interneting DL 1 T	GAZ-SYSTEM S.A.	2019	LT	PL	51.1 GWh/d
Interconnector PL-L1	GAZ-SYSTEM S.A.	2019	PL	LT	73.9 GWh/d

Sponsors		General Inform	nation		
Lithuanian section		Promoter	GAZ-SYSTEM S.A.	Political	1
AB Amber Grid	100%	Operator	GAZ-SYSTEM S.A.	Permit Granting	1
Polish section		Host Country	Poland	Others	1
Gas Transmission Operator GAZ-SYSTEM S.A.	100%	Status	Planned	Market	
		Website	<u>Project's URL</u>	Warket	
		Publication Approval Status	Approved		

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	NDP and PCI Information	Schedule	Start Date	End Date	Third-Party Access Re	egime
Part of NDP	Yes (Network Development Plan 2016-	Pre-Feasibility			Considered TPA Regime	Regulated
Turt of NDI	2025)	Feasibility			Considered Tariff Regime	Regulated
NDP Number	N/A	FEED	01/2014	01/2017	Applied for Exemption	No
		Market Test			Exemption Granted	Not Relevant
Currently PCI	Yes (8.5)	Permitting		01/2017		
		Supply Contracts			Exemption in entry direction	0.00%
CBCA Decision	Yes (2014-08-11)	FID		01/2017	Exemption in exit direction	0.00%
Market Survey	Open Season(2013-09-21)	Construction	01/2017	01/2019		
		Commissioning	2019	2019		

Pipelines and Compresso	or Stations					
Pipe	line Section	Pipeline Comment E	Diameter (mm)	Length (km)	Compressor Power (MW)	
CS	Gustorzyn	Redundancy not included			16	
GIPL -	Polish section	The pipeline will connect to existing CS in Holowczyce. Routing and length subject to studi	es. 700	357		
		Total		357	16	
		PCI Details				
PCI Benefits	Project changes the capability to transmit gas across the borders of the member states concerned by at least 10%, compared to the situatic prior to the commissioning of the project, Project concerns investment in reverse flow capacity					
General Criteria Fulfilled	Yes					
Specific Criteria Fulfilled	Compet	ition, Market Integration, Security of Supply, Sustainability				
Specific Criteria Fulfilled	Comments					
		Time Schedule				
Grant Obtention Date						
Delay Since Last TYNDP	N/A					
Delay Explanation	GAZ-SYS aspects. GAZ-SYS the proje	TEM encountered a number of problems mainly regarding the extension of CS Rembelszczy. They significantly undermine the implementation of the project according to the previous tin TEM proposed a new routing of the pipeline in Poland. The reason for changing the routing ct and to commission the project with a shortest possible delay when compared to the imple	zna. These issues ne schedule. Due is to strenghten ementation of Gl.	concern permitt to the significar the engineering PL in the base sc	ing and environmental ice of the project and technical aspects of enario.	

North - South Gas Corridor in Western Poland

TRA-N-247			Project			Pipeline including	g CS N	on-FID
Update Date			06/0	5/2016			Ac	lvanced
Description	The investment tas The corridor cover project will allow for corridor to other C gas transmission to	sks within t s Western I or exploitin CEE countrie o Ukraine.	he project constitute essential e Poland and it is planned to be c og full potential of gas transmiss es. This infrastructure will be use The investment tasks are planne	elements of the pla onnected to PL-C sion from LNG ten ed for purposes of ed to be commissi	anned North-So Z interconnectic minal Świnoujśc f PL-CZ and PL-S oned in 2018.	uth gas interconnection. Implementation of ie and Baltic Pipe thro K interconnections. In	ons in Central-East f the investment ta bugh the North-So t will also enable th	ern Europe. sks within this uth gas ne possibility of
Regulatory Decisions and similar material conditions								
Capacity Increments Variant	For Modelling							
Point			Operator		Year	From Gas System	To Gas System	Capacity
Aggregated Distribution (PL))		GAZ-SYSTEM S.A.		2019	DScPL	PL	0.0 GWh/d
Sponsors			General Inf	formation				
Gas Transmission Operator G	AZ-SYSTEM S.A.	100%	Promoter	GAZ-S	SYSTEM S.A.	_		Ва
			Operator	GAZ-S	SYSTEM S.A.	Permit Granting		1 rrie
			Host Country		Poland)) s.
			Status		Planned	Others		1 Ou
			Website	<u>P</u>	<u>roject's URL</u>			nt)
			Publication Approval Status		Approved			
			Enabled P	Projects				
Project Code Project Name	9							
TRA-N-275 Poland - Slove	akia interconnectior	n (PL sectio	n)					
TRA-N-273 Poland - Czec	h Republic intercon	nection (PL	section)					

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	NDP and PCI Information	Schedule	Start Date	End Date	Third-Party Access Re	egime
Part of NDP	Yes (Network Development Plan 2016-	Pre-Feasibility			Considered TPA Regime	Regulated
	2025)	Feasibility			Considered Tariff Regime	Regulated
NDP Number	N/A	FEED	01/2013	01/2017	Applied for Exemption	No
		Market Test			Exemption Granted	Not Relevant
Currently PCI	Yes (6.1.2)	Permitting		01/2017		
		Supply Contracts			Exemption in entry direction	0.00%
CBCA Decision	No	FID			Exemption in exit direction	0.00%
Market Survey	Not Relevant (no CBCA decision)	Construction	01/2017	01/2019		
		Commissioning	2019	2019		

Pipelines and Compressor Stat	ons				
Pipeline Se	ection	Pipeline Comment	Diameter (mm)	Length (km)	Compressor Power (MW)
Lwowek-Odolan	ow pipeline		1,000	162	
Odolanow compr	essor station				20
Tworóg-Kędzierzyn Koźle pipeline			1,000	43	
Total				205	20
		PCI Details			
PCI Benefits	Project changes the capability to prior to the commissioning of the	transmit gas across the borders of the mer e project, Project concerns investment in re	mber states concerned by a everse flow capacity	t least 10%, co	mpared to the situation
General Criteria Fulfilled	Yes				
Specific Criteria Fulfilled Competition, Market Integration, Security of Supply, Sustainability					
Specific Criteria Fulfilled Comme	ents				
PCI Benefits General Criteria Fulfilled Specific Criteria Fulfilled Specific Criteria Fulfilled Comme	Project changes the capability to prior to the commissioning of the Yes Competition, Market Integration, ents	PCI Details transmit gas across the borders of the mer e project, Project concerns investment in re Security of Supply, Sustainability	mber states concerned by at everse flow capacity	t least 10%, co	mpared to the situati

Caspian Region, Norway, Russia, LNG ()

		Benefits	
Main Driver	Others		
Main Driver Explanation	The project is driven by SoS and m	arket demand considerations	

Expected Gas Sourcing

Implementation of the investment tasks within this project will allow for ensuring full functionality of PL-CZ and PL-SK interconnections. This project will have an impact on: enhancing functionality of transmission system in Central and Southern Poland in order to facilitate better operational functioning of the upgraded PL-CZ interconnection and to initiate gas flow on the planned PL-SK interconnection; increasing the security of supply sources, routes and counterparts, as well as on providing an overall flexibility for the CEE region; improving European gas grid interconnections; creating a well-functioning internal market in the CEE region by ensuring high reliability of the cross-border transmission between Poland, the Czech Republic and Slovakia.

	Barriers
Barrier Type	Description
Permit Granting	Efficient permitting procedures are necessary for timely implementation of the Project.
Others	Due to the project drivers which are mainly related to SoS in Central-Eastern Europe, the project does not meet the criterion of economic viability, so the external co-financing is indispensable. Lack of external financial support may be a serious barrier in implementation.



Poland - Czech Republic interconnection (PL section)

TRA-N-273	Project		Pipeline including	CS N	lon-FID
Update Date	09/05/2016			Ad	dvanced
Description	The project aims to increase the cross-border capacity between Poland and the will allow for flexible transport of gas in Central-Eastern Europe within the North between Poland and the Czech Republic will contribute to reinforcement of the exchange between the markets, as well as increase of the security of supply no by enabling the supply link with other European gas market and global LNG m Czech Republic Interconnector (STORK II) and internal transmission projects in projects is provided in subsiguent sections in the project questionnaire.	e Czech Republi th-South corride e effective oper- t only for Polan arket via the ter Poland and in t	ic by establishing a larg or. The development o ation of the gas transn d and the Czech Repu rminal in Świnoujście. the Czech Republic. De	ge transportation of the physical inte- nission systems, e blic, but also for t The project consis etailed information	corridor that erconnection fficient gas he CEE region sts of Poland- n on these
Regulatory Decisions and similar material conditions					
Capacity Increments Variant	For Modelling				
Point	Operator	Year	From Gas System	To Gas System	Capacity

	•				
llať	GAZ-SYSTEM S.A.	2019	CZ	PL	219.1 GWh/d
	GAZ-SYSTEM S.A.	2019	PL	CZ	153.2 GWh/d

Sponsors		General Inform	nation		
Czech section		Promoter	GAZ-SYSTEM S.A.	Delitical	1
NET4GAS, s.r.o.	100%	Operator	GAZ-SYSTEM S.A.	Political	1
Polish section		Host Country	Poland	Permit Granting	1
Gas Transmission Operator GAZ-SYSTEM S.A.	100%	Status	Planned	Others	1
		Website	<u>Project's URL</u>		
		Publication Approval Status	Approved		

Enabled Projects

Project Code Project Name

TRA-N-247 North - South Gas Corridor in Western Poland

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NDP and PCI Information		Schedule Start Date End Date		Third-Party Access Regime		
Part of NDP	Yes (Network Development Plan 2016-	Pre-Feasibility			Considered TPA Regime	Regulated
	2025)	Feasibility			Considered Tariff Regime	Regulated
NDP Number	N/A	FEED	01/2012	01/2017	Applied for Exemption	No
		Market Test			Exemption Granted	Not Relevant
Currently PCI	Yes (6.1.1, 6.1.2)	Permitting		01/2017		
		Supply Contracts			Exemption in entry direction	0.00%
CBCA Decision	Yes (2014-06-24)	FID		01/2017	Exemption in exit direction	0.00%
Market Survey	Other(2012-04-24)	Construction	01/2017	01/2019		
		Commissioning	2019	2019		

Pipelines and Compressor Stations				
Pipeline Section	Pipeline Comment	Diameter (mm)	Length (km)	Compressor Power (MW)
CS Kedzierzyn				30
Czeszow-Kielczow pipeline		1,000	32	
Czeszow-Wierzchowice pipeline		1,000	14	
Kedzierzyn node				
PL-CZ interconnection - Polish section		1,000	54	
Zdzieszowice-Kędzierzyn pipeline		1,000	19	
Zdzieszowice-Wrocław pipeline		1,000	130	
Total			249	30
	PCI Details			
Project changes the capability	v to transmit gas across the borders of the mem	ber states concerned by at	least 10%, co	mpared to the situation

prior to the commissioning of the project, Project concerns investment in reverse flow capacity

PCI Benefits

General Criteria Fulfilled

Specific Criteria Fulfilled

Competition, Market Integration, Security of Supply, Sustainability

Specific Criteria Fulfilled Comments

Yes

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Expected Gas Sourcing

Caspian Region, Norway, Russia, LNG ()

	Benefits
Main Driver	Others
Main Driver Explanation	Regulation SoS and market integration
Benefit Description	Implementation of PL-CZ interconnection will have an impact on: increasing the security of gas supply, providing overall flexibility for the CEE region and diversifying the supply routes for the CEE region; improving European gas grid interconnection; increasing the security and reliability of the cross-border gas transmission between the Czech Republic and Poland (fulfilment of N-1 rule in Poland); creating a robust, well-functioning internal market in the Czech Republic and Poland and promoting the competition; contributing to the creation of an integrated and competitive gas market in the CEE region; establishing adequate technical conditions necessary to cover the forecasted growth of the gas demand in Poland based on the development of the power generation sector and possible leverage for market coupling potential in Central-Eastern Europe.
	Barriers
Barrier Type	Description
Permit Granting	Efficient permitting procedures are necessary for timely implementation of the project.
Political	Due to the project drivers which are mainly related to SoS in Central-Eastern Europe, the project does not meet the criterion of economic viability, so the external co-financing is indispensable. Lack of external financial support may be a serious barrier in implementation.
Others	external co-financing is indispensable. Lack of external financial support may be a serious barrier in implementation.

Poland - Slovakia interconnection (PL section)

TRA-N-275			Project		Pipeline including	J CS N	lon-FID
Update Date			06/05/20	16		Ad	dvanced
Description fi	he main goal of the p nissing interconnectio urope through the di unctionality. The proj nsure full functionality uestionnaire.	oroject on betw versific ect cor ty of th	is to create an important part of the ween the transmission systems in Pola cation of supply sources and routes, a hisists of Poland-Slovakia interconnect he interconnection. Detailed informati	North-South gas interconne and and Slovakia and, thus, i as well as integration of Sub- tor and relavant internal tran fon on these projects is provi	ctions in Central-Easte ncrease the security o Carpathian Market Ar smission investments ded in subsiquents se	ern Europe by imp f gas supplies in C ea and enhancing in Poland and in S ection in the projec	lementing a entral-Eastern market Slovakia to ct
Regulatory Decisions and similar material conditions							
Capacity Increments Variant Fo	r Modelling						
Point			Operator	Year	From Gas System	To Gas System	Capacity
Interconnector PL - SK			GAZ-SYSTEM S.A.	2019	PL	SK	143.9 GWh/d
Interconnector PE - SK			GAZ-SYSTEM S.A.	2019	SK	PL	174.5 GWh/d
Sponsors			General Inform	ation			
Polish section			Promoter	GAZ-SYSTEM S.A.	Delitical		Ba
Gas Transmission Operator GAZ	-SYSTEM S.A.	100%	Operator	GAZ-SYSTEM S.A.	Political		rrier
Slovak section			Host Country	Poland	Permit Granting		1 (C
eustream, a.s.		100%	Status	Planned	Others		1 OUN
			Website	Project's URL			ť
			Publication Approval Status	Approved			
			Enabled Project	cts			
Project Code Project Name							
TRA-N-245 North - South G	as Corridor in Eastern	n Polar	nd				
TRA-N-247 North - South G	as Corridor in Wester	rn Pola	nd				

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NDP and PCI Information		Schedule	Start Date	End Date	Third-Party Access Re	egime
Part of NDP	Yes (Network Development Plan 2016-	Pre-Feasibility			Considered TPA Regime	Regulated
T art OF NDI	2025)	Feasibility			Considered Tariff Regime	Regulated
NDP Number	N/A	FEED	01/2014	01/2017	Applied for Exemption	No
		Market Test			Exemption Granted	Not Relevant
Currently PCI	Yes (6.2.1, 6.2.3)	Permitting		01/2017		
		Supply Contracts			Exemption in entry direction	0.00%
CBCA Decision	Yes (2014-11-28)	FID		01/2017	Exemption in exit direction	0.00%
Market Survey	Open Season(2016-07-01)	Construction	01/2017	12/2019		
		Commissioning	2019	2019		

Pipelines and Compressor Sta	ations				
Pipeline	Section	Pipeline Comment	Diameter (mm)	Length (km)	Compressor Power (MW)
PL-SK interconnection	on - Polish section		1,000	58	19
Pogórska Wola - 1	worzeń pipeline		1,000	160	
Strachocina - P	ogórska Wola		1,000	98	
Tworóg - Tworzeń			1,000	56	
	Total			372	19
		PCI Details			
PCI Benefits	Project changes the capability to transmit prior to the commissioning of the project	gas across the borders of the me , Project concerns investment in r	ember states concerned by a reverse flow capacity	t least 10%, co	ompared to the situation
General Criteria Fulfilled	Yes				
Specific Criteria Fulfilled	Competition, Market Integration, Security	of Supply, Sustainability			
Specific Criteria Fulfilled Com	ments				
		Time Schedule			

Grant Obtention Date 29/10/2014 Delay Since Last TYNDP Delay Explanation

Expected Gas Sourcing

Caspian Region, Russia, LNG ()

	Benefits							
Main Driver	Others							
Main Driver Explanation	ncrease of SoS in the CEE region. Integration of gas infrastructure in the CEE region by constructing a cross-border interconnection between PL and SK hat is currently missing.							
Benefit Description	Implementation of PL-SK interconnection will have an impact on: creating the cross-border capacity between Poland and Slovakia by establishing a large transportation corridor that will allow for flexible transport of gas in Central Europe within the North-South axis; increasing the security of gas supply and diversification of supply routes for the CEE region; improving European gas grid interconnection; increasing the security and reliability of the cross-border gas transmission between Slovakia and Poland (contribution to N-1 standard in Poland and Slovakia); creating a robust, well-functioning internal market in Slovakia and Poland and promote the competition; establishing adequate technical conditions necessary to cover the forecasted growth of the gas demand in Poland based on the development of the power generation sector and possible leverage for market coupling potential in Central-Eastern Europe.							
	Barriers							
Barrier Type	Description							
Permit Granting	Efficient permitting procedures are necessary for timely implementation of the Project.							
Political	Due to the project drivers which are mainly related to SoS in Central-Eastern Europe, the project does not meet the criterion of economic viability, so the external co-financing is indispensable. Lack of external financial support may be a serious barrier in implementation.							
Others	Due to the project drivers which are mainly related to SoS in Central-Eastern Europe, the project does not meet the external co-financing is indispensable. Lack of external financial support may be a serious barrier in implementation	criterion of e n.	economic viability, so the					
	Intergovernmental Agreements							
Agreement	Agreement Description	Is Signed	Agreement Signature Date					
Agreement between the Republic of Poland and the Slovak Republic for a implementation of the p pipeline connecting the system and Slovak trans	Government of the he Government of tooperation on the roject of a gas Polish transmission system.	Yes	11/06/2014					

		Paldiski LNG Terr	minal			
LNG-N-079		Project		LNG Termina	l N	on-FID
Update Date		23/05/2010	6		Ac	lvanced
Description LNG i	mport and regasification	n terminal for regional use on the Pak	ri peninsula on the Easern o	coast of the Baltic Sea		
Regulatory Decisions and similar material conditions						
Capacity Increments Variant For Mo	odelling					
Point		Operator	Year	From Gas System	To Gas System	Capacity
		Balti Gaas plc	2020	LNG_Tk_EE	EE	37.6 GWh/c
Paldiski LNG		Comment: Construction p	lan, first step. Unloading ca oเ	pacity at the terminal ne ship, which is unloa	is 105 GWh/day - ded in about 12h	
Sponsors		General Informat	tion			
Balti Gaas LLC	100%	Promoter	Balti Gaas plc	Regulatory		2 🖁
		Operator	Balti Gaas plc	Political	1	rrier
		Host Country	Estonia	Permit Granting	1	S (C
		Status	Planned	Market	1	our
		Website	Project's URL	Financing	1	lt)
		Publication Approval Status	Approved			

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	THINDP 2017 - Annex A					
	NDP and PCI Information	Schedule	Start Date	End Date	Third-Party Access	Regime
	No (There is no such thing as National	Pre-Feasibility		11/2008	Considered TPA Regime	Regulated
Part of NDP	is mentioned in the development plan of	Feasibility	01/2012	01/2016	Considered Tariff Regime	Regulated
	transmission grid in Estonia, but only on	FEED	04/2013	04/2014	Applied for Exemption	No
	an informative level.)	Market Test		10/2013	Exemption Granted	Not Relevant
NDP Number		Permitting	01/2008	04/2016		
		Supply Contracts			Exemption in entry direction	0.00%
Currently PCI	Yes (8.1.2.2)	FID		12/2016	Exemption in exit direction	0.00%
		Construction	04/2017	07/2020		
CBCA Decision	No	Commissioning	2020	2020		
Market Survey	Not Relevant (no CBCA decision)					
		Technical I	nformation (LNG)			
LNG Facility	Paldiski LNG Terminal					
Expected Volume	e (bcm/y) 0	Preliminary estimate only				
Storage Capacity	(m3) <i>160,000</i>	There is size to increase the	e terminal to 320 00	0 m3.		
Ship Size (m3)	175,000	Dependent on tank size				
Reloading Ability	Yes					
_						
		PC	CI Details	11 1.		
PCI Benefits	Project aims at fulfilling supplying directly or inc	the infrastructure standard lirectly at least two Membe	d (N-1) rule at region er States	nal level in acco	ordance with Article 6(3) of Regulation	on EU, Project aims at
General Criteria F	Fulfilled Yes					
Specific Criteria F	Fulfilled Competition, Security o	f Supply, Sustainability				
Specific Criteria F	SoS storage possibility f Fulfilled Comments Sustainability is improve load balancing power p	or Estonia and Finland if n ed by switching from high lants is facilitated.	eeded. Diversificatic emissions fuels to N	on of sources, re atGas, the ado	outes and counterparties for the who ption of biogas as well as the spot su	ble region. upply necessary for
		Tim	e Schedule			
Grant Obtention	Date					
Delay Since Last	TYNDP 2 years					

Delay Explanation

Due to political uncertainties with regard to the existence of competing Regional Baltic LNG terminal projects on the PCI list. There is an MoU between the Estonian and Finnish states as well as Gasum and Alexela (parent group for Balti Gaas) signed on 28th February 2014 and facilitated by the European Commission. The outcome of the process cleared, when the Finngulf project by Gasum was withdrawn from the list of PCIs in October 2015, which meant the regional terminal will be built in Estonia. The project is technically ready for construction, but no FID can be taken before the competing projects issue is solved (two competing projects in Estonia).

Expected Gas Sourcing

LNG (?), Terminal operator is not responsible for LNG sourcing. This is done by terminal clients (TPA). The terminal has LNG quality a

Comments about the Third-Party Access Regime

The regulatory scheme applicable to this project is unclear. Since the project has a PCI lable, and thus would have significant cross-border impact, the regulatory scheme must be acceptable to all concerned regulators. Additionally, the regulation for LNG terminals in the project country (Estonia) does not yet exist.

			Benefits						
Main Driver	Regulation SoS								
Main Driver Explanation	The region as a whole is an energy island with Russia as the only counterpart and supply source for gas. An LNG import and re-gasification terminal would provide alternative sources as well as storage capability.								
Benefit Description	Additionally the terminal is capable of servicing the potential Baltic bunkering demand as well as provide alternative fuel to road and rail transport in the affected countries.								
Barriers									
Barrier Type	Description								
Regulatory	Regulatory framew	ork for LNG facilities in Estonia is insuffic	ient to clarify this point.						
Permit Granting	Long process								
Political	The assesment methods of competing PCI projects is not well established.								
Market	Lack of market maturity								
Financing	Amortization rates								
Regulatory	Lack of proper transposition of EU regulation								
Intergovernmental Agreements									
Agreement		Agreement Description		Is Signed	Agreement Signature Date				
Agreement between PMs of Estonia and Finland		Agreement in regards to the gas infrast	ructure in the countries.	Yes	17/11/2014				
Memorandum of Understanding		MoU between Estonia and Finland and	LNG project promoters	Yes	28/02/2014				

Project GO4LNG LNG terminal Gothenburg

LNG-N-032		Project			LNG Terminal	N	on-FID
Update Date		04/	/05/2016			Ad	lvanced
Description	A small-scale LNG terminal, ir bunkering and regasification.	ncluding connection to the tra	nsmission grid,	placed in the Go	othenburg harbour, with fl	exible send out by	y rail, truck,
Regulatory Dec similar material	isions and conditions						
Capacity Incren	nents Variant For Modelling						
Point		Operator		Yea	ar From Gas System	To Gas System	Capacity
Gothenburg LN	G	Swedegas AB		202	0 LNG_Tk_SE	SE	26.0 GWh/d
Sponsors		General I	nformation				
Swedegas AB	100%	Promoter		Swedegas AB	_		p
		Operator		Swedegas AB	Regulatory		2 arrie
		Host Country		Sweden	Permit Granting	1	rs ((
		Status		Planned	Market	1	Cour
		Website		<u>Project's URL</u>			nt)
		Publication Approval Status		Approved			
	NDP and PCI Information	Schedule	Start Date	End Date	Third-Par	ty Access Regime	2
Dart of NDD	No (Not applicable for Sweden. There is no	Pre-Feasibility		01/2012	Considered TPA Regime		Regulated
Part of NDP	NDP.)	Feasibility	01/2012	06/2012	Considered Tariff Regime		Regulated
NDP Number		FEED	04/2016	10/2016	Applied for Exemption		No
		Market Test		01/2013	Exemption Granted		No
Currently PCI	Yes (8.6)	Permitting	10/2013	05/2014			
		Supply Contracts		12/2016	Exemption in entry direct	ion	0.00%
CBCA Decision	Yes (2015-10-01)	FID		01/2017	Exemption in exit direction	on	0.00%
Market Survey	Open Season(2013-02-27)	Construction	01/2017	01/2020			
		Commissioning	2020	2020			

		Technical Information (LNG)				
LNG Facility	GO4LNG Gothenburg	g				
Expected Volume (bcm/	/) 1					
Storage Capacity (m3)	25,000	7,500 m3 bullet tanks or 25,000 m3 full containment tank				
Ship Size (m3)	75,000	This size is subject to certain availability at the jetty. If not available, 15600 m3 is the limit.				
Reloading Ability	Yes					
		PCI Details				
PCI Benefits	Project aims at fu supplying directly	Ifilling the infrastructure standard (N-1) rule at regional level in accordance with Article 6(3) of Regulation EU, Project aims at / or indirectly at least two Member States				
General Criteria Fulfilled	Yes					
Specific Criteria Fulfilled	Competition, Mar	ket Integration, Security of Supply, Sustainability				
Specific Criteria Fulfilled	Comments					
		Time Schedule				
Grant Obtention Date						
Delay Since Last TYNDP	Delayed					
Delay Explanation	Slower market de	velopment than expected.				
		Expected Gas Sourcing				
LNG (?)						
		Benefits				
Main Driver	Market Demand					
Main Driver Explanation	The project is designed to cover several market segments with the main volume driver LNG send out to marine and industrial segments but also for injection to Swedegas' existing transmission grid.					
Benefit Description	customers, such as industry replacing oil and future bunkering of ships to comply with the coming SECA regulation. an second entry point to the Swedish transmission grid increasing security of supply and competition. Connection also as pressure holding, short term storage etc.					

	Barriers
Barrier Type	Description
Regulatory	Small scale LNG is an emerging market with no mature trade patterns which make it difficult to combine capacity holders in a cost-efficient way - given a low rate of return.
Permit Granting	Permits obtained
Regulatory	Low rate of return
Market	Lack of market support

LNG-N-962			Project		LNG Termina		Ion-FID
Update Date	10/06/2016					Non	-Advanced
Description	Conventional LNG impo supply and serving com 11 m), 2x100m3/h truck covering about 60% of m3, with second conner (MOP 54 bar) national h 160 000 m3 (2x80 000 r	ort terminal mercial cu cloading ra Estonian ga ction to the nigh pressu m3 tanks) v	(bunkering, break-bulk, o stomers. The project includ ick and connection to the as demand. And one to fou berth (LOA 365m depth - re grid located about 13 k vith 4 bcma connection to	n-grid and off-grid land transpor des 6x800 m3 pressurized bullets low pressure natural gas distribu- ur flat bottom storage tanks with 17m) capable of handling any siz m from the terminal site. Rail shu the national high pressure grid. (rtation) for improving , connection to the exi tion network located a the total LNG storage ze LNG carrier on the r unting tracks are 200m (grid connection on se	Baltic as well as Find isting berth (LOA bout 1 km from te capacity of 50 000 market, connection current scope is parate CAPEX).	nnish security of 198 m; depth - erminal site, 0 m3 to 320 000 n to DN711 envisaged to
Regulatory Decisions and similar material conditions	*						
Capacity Increments Variant	For Modelling						
Point			Operator	Year	From Gas System	To Gas System	Capacity
Tallinn LNG			Vopak / Elering	2019	LNG_Tk_EE	EE	121.0 GWh/d
Sponsors			General In	formation			
Vopak / Vopak E.O.S.	7	′5%		Vopak E.O.S. AS / Vopak			Ва
Port of Tallinn	2	Pro 25%	moter	LNG Holdings B.V/ Port of Tallinn AS	Market		1 1
		Ope	erator	Vopak / Elering	mantee		ြို့
		Hos	st Country	Estonia			int)
		Stat	tus	Planned			
		We	bsite	<u>Project's URL</u>			
		Pub	lication Approval Status	Approved			

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	NDP and PCI Information	Schedule	Start Date	End Date	Third-Party Access Rec	gime
Part of NDP	No (Valid energy NDA (ENMAK 2020) foresees the diversification of energy supply via construction of LNG terminals (p.18). The construction of LNG infrastructure is on the list of foremost measures (p.40) and activities (p.41). As this NDA was adopted in 2009 no specific PCI projects could be listed)	Pre-Feasibility Feasibility FEED Market Test Permitting Supply Contracts FID		09/2012	Considered TPA Regime Considered Tariff Regime Applied for Exemption Exemption Granted Exemption in entry direction Exemption in exit direction	Regulated Regulated No Not Ye 0.00% 0.00%
NDP Number		Construction Commissioning	2019	2019		
Currently PCI	Yes (8.1.2.3)	5				
CBCA Decision Market Survey	No Not Relevant (no CBCA decision)					
		Technical	Information (LNG)			
LNG Facility	Tallinn LNG					
Expected Volum	e (bcm/y) 4					
Storage Capacity	/ (m3) 160,000					
Ship Size (m3)	160,000	Terminal berths can reciev	e any size LNG carrier	on the marke	et	
Reloading Ability	y No					
		Р	CI Details			
PCI Benefits	Project aims at fulfilling supplying directly or inc	the infrastructure standar directly at least two Memb	d (N-1) rule at regiona er States	al level in acco	ordance with Article 6(3) of Regulation E	U, Project aims at
General Criteria	Fulfilled Yes					
Specific Criteria	Fulfilled Competition, Market Int	egration, Security of Supp	ly, Sustainability			
Specific Criteria	Fulfilled Comments					
Current TYNDP : TYND	P 2017 - Annex A Page 137 of 620					
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	Time Schedule					
Grant Obtention Date						
Delay Since Last TYND	One to two years					
Delay Explanation	The project is delayed because of the uncertainty and delay in other PCI projects in the region, as this affects the project scope, feasibility, FEEL and FID.					
	Expected Gas Sourcing					
LNG ()						
	Benefits					
Main Driver	Market Demand					
Main Driver Explanation	Market integration and diversification, SoS, market development, clean energy.					
Benefit Description	Reduces isolation and bottlenecks, interoperability, appropriate connections, diversification of sources, diversification of routes, sustainability.					
	Barriers					
Barrier Type	Description					
Market	Lack of market maturity					

		Syderia	ai			
UGS-N-034		Project		Storage Facilit	y N	lon-FID
Update Date		22/05/	/2016		Non	-Advanced
Description Exp of s	ected total capacity – 1 be upply and contribute to t	cm, working capacity - 500 mcm. he creation of national gas marke	Storage will create conditions for the storage will create conditions for the storage will create conditions for the storage will be added a storage w	or gas reserve storage	in Lithuania, incre	ase the securit
Regulatory Decisions and similar material conditions						
Capacity Increments Variant For N	Aodelling					
Point		Operator	Year	From Gas System	To Gas System	Capacity
		Lietuvos energija AB	2019	STcLT	LT	110.0 GWh/d
Sudoriai			Comment: C	ould be updated in ne.	xt ENTSOG TYNDP	
Sydenal		Lietuvos energija AB	2019	LT	STcLT	55.0 GWh/d
			Comment: C	ould be updated in ne.	xt ENTSOG TYNDP)
Sponsors		General Info	rmation			
Geological investigations		Promoter	JSC Lietuvos energija AB	Market		2 🛱
Lietuvos energijos gamyba, AB	100%	Operator	Lietuvos energija AB	Regulatory	1	rrie
Proiect CBA		Host Country	Lithuania	Others	1	S (C
Lietuvos energijos gamyba. AB	100%	Status	Planned	Financing	1	oun
		Website	<u>Project's URL</u>	Financing	I	ť
Reservoir static and dynamic mod	leling	Publication Approval Status	Approved			
Lietuvos energijos gamyba, AB	100%					
Seismic & geological data reinter	pretation					
Lietuvos energijos gamyba, AB	100%					

NDP and PCI Information		Schedule	Start Date	End Date	Third-Party Access Regime	
	No (NPD was prepared by public entities,	Pre-Feasibility			Considered TPA Regime	Regulated
Part of NDP	which didnt include projects form third	Feasibility			Considered Tariff Regime	Regulated
	National energy independency strategy)	FEED			Applied for Exemption	No
NDP Number	reaction at energy and period and y strategy,	Market Test			Exemption Granted	No
Currently PCI	No	Supply Contracts			Exemption in entry direction	0.00%
		FID			Exemption in exit direction	0.00%
CBCA Decision	No	Construction				
Market Survey	Not Relevant (no CBCA decision)	Commissioning	2019	2019		
		Technical	Information (UGS)			
Storage Facility	Syderiai underground gas storage					
Storage Facility Ty	ype Aquifer					
Multiple-Cycle	No					
Working Volume ((mcm) 500.00					

LNG ()

Expected Gas Sourcing

Comments about the Third-Party Access Regime

Issues regarding the TPA regime will be determined at the later stages of the Project implementation

	Benefits	
Main Driver	Regulation SoS	
Main Driver Explanation		
Benefit Description	The project should create conditions for natural gas reserve storage in Lithuania, increase the security of supply in th Lithuanian-Polish gas internconnection (GIPL))and contribute to the creation of national as well as regional gas mark sytem.	e region (Latvia and by using et, increase the flexibility of the whole

Barriers						
Barrier Type	Description					
Others	High investment costs, unclear payback potential, necessity of implementation of Lithuanian-Polish gas interconnection (GIPL) project.					
Market	Lack of market support					
Financing	Availability of funds and associated conditions					
Regulatory	Low rate of return					
Market	Lack of market maturity					

Enhancement of Latvia-Lithuania interconnection (Latvian part)

TRA-N-382	Project		Pipeline including	J CS N	on-FID		
Update Date	02/05	/2016		Non-	Advanced		
Description	The project is aimed at the increase of interconnection capacity pipeline Riga-lecava and lecava-Lithuanian border. On Lithuar project is conditional upon other projects (GIPL) and gas mark	crease of interconnection capacity between Latvia and Lithuania and on Latvian side includes construction of a new wa-Lithuanian border. On Lithuanian side it is planned to increase the capacity of Kiemenai metering station . The					
Regulatory Decisions and similar material conditions							
Capacity Increments Variant	For Modelling						
Point	Operator	Year	From Gas System	To Gas System	Capacity		
	Latvijas Gaze	2020	LV	LT	59.9 GWh/d		
Kiemenai	Latvijas Gaze	2020	LT	LV	57.4 GWh/d		
		Comment: LT	→LV 57.41 GWH/d, LT	-∠V 59.90 GWh/d			
Sponsors	General Info	ormation	No Ba	rriers Defined			
	Promoter	JSC "Latvijas Gaze"			Ba		
	Operator	Latvijas Gaze			rrier		
	Host Country	Latvia) s		
	Status	Planned			lour		
	Website	Project's URL			Ĭ,		
	Publication Approval Status	Approved					

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	NDP and PCI Information	Schedule	Start Date	End Date	Third-Party Access Regime	
	No (National Development Plan for 2014-	Pre-Feasibility			Considered TPA Regime	Regulated
	2020 does not specify particular projects.	Feasibility			Considered Tariff Regime	Regulated
Part of NDP	energy efficiency and energy production" title "7.Development of	FEED			Applied for Exemption	No
	energy infrastructure networks" may include project of enhancement of Latvia-	Market Test			Exemption Granted	No
		Permitting				
	Lithuania interconnection)	Supply Contracts			Exemption in entry direction	0.00%
NDP Number		FID			Exemption in exit direction	0.00%
		Construction				
Currently PCI	Yes (8.2.1)	Commissioning	2020	2020		
CBCA Decision	No					
Market Survey	Not Relevant (no CBCA decision)					

Pipelines and Compressor Stations							
	Pipeline Sectio	'n	Pipeline Comment	Diameter (mm)	Length (km)	Compressor Power (MW)	
Riga-I	Riga-lecava-Lithuanian border		In case of lower market demand diameter of 500 mm can be used	700	93		
Total				93			
			PCI Details				
PCI Benefits		Project changes the c prior to the commissi	apability to transmit gas across the borders of the member state oning of the project, Project concerns investment in reverse flow	es concerned by at / capacity	t least 10%, co	ompared to the situation	
General Criteria Fulfilled Yes							
Specific Criteria Fulfilled Competition, Market Integration, Security of Supply, Sustainability							
Specific Criteria Fulfilled Comments							

Expected Gas Sourcing

Russia, LNG ()

	Benefits
Main Driver	Market Demand
Main Driver Explanation	Main driver of the project will be increased gas flows between Lithuania and Latvia.
Benefit Description	The enhancement of bi-directional capacity up to 12 mcm/d between Latvia and Lithuania could increase opportunities for cross-border trade, access to Incukalns UGS for Lithuania and Poland, security of supply, market integration, flexibility of gas transmission systems of Latvia and Lithuania etc.

Enhancement of Latvia-Lithuania interconnection (Lithuania's part)

TRA-N-342		Project		Pipeline including	JCS N	on-FID
Update Date		05/05/201	16		Non-	Advanced
Description Regulatory Decisions and	The project aims at enhancing the capacity of the gas systems interconnection Latvia-Lithuania, ensuring safe and reliable natural gas supply, and achieving a more effective use of the infrastructure and better integration of the gas markets of the Baltic States. It is beneficial and important for the creation of the regional gas market. After the implementation of the project, the bi-directional capacity between Latvia and Lithuania will be increased up to 124.8 GWh (12 MCM) per day. The project is conditional upon other projects diversifying gas flows to be carried out in the Baltic States.					
similar material conditions Capacity Increments Variant	For Modelling					
Point		Operator	Year	From Gas System	To Gas System	Capacity
Kiomonai	AB Amber Grid		2020	LV	LT	60.0 GWh/d
Nemenai		AB Amber Grid	2020	LT	LV	57.4 GWh/d
Sponsors		General Informa	ation	No Ba	rriers Defined	
AB Amber Grid	100%	Promoter	AB Amber Grid			Bar
		Operator	AB Amber Grid			rrier
		Host Country	Lithuania			s (Co
		Status	Planned			punt
		Website	<u>Project's URL</u>			
		Publication Approval Status	Approved			

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NDP and PCI Information		Schedule	Start Date	End Date	Third-Party Acc	ess Regime
Part of NDP	Yes (Ten-year Network Development Plan	Pre-Feasibility			Considered TPA Regime	Regulated
	2014-2023)	Feasibility	06/2017	12/2017	Considered Tariff Regime	Regulated
NDP Number	n/a	FEED	01/2018	12/2018	Applied for Exemption	No
		Market Test		06/2017	Exemption Granted	No
Currently PCI	Yes (8.2.1)	Permitting	01/2019	01/2020		
		Supply Contracts		01/2020	Exemption in entry direction	0.00%
CBCA Decision	No	FID		12/2019	Exemption in exit direction	0.00%
Market Survey	Not Relevant (no CBCA decision)	Construction	01/2020	12/2020		
		Commissioning	2020	2020		

	PCI Details
PCI Benefits	Project changes the capability to transmit gas across the borders of the member states concerned by at least 10%, compared to the situation prior to the commissioning of the project, Project concerns investment in reverse flow capacity
General Criteria Fulfilled	Yes
Specific Criteria Fulfilled	Competition, Market Integration, Security of Supply, Sustainability
Specific Criteria Fulfilled Com	nents

	Benefits
Main Driver	Market Demand
Main Driver Explanation	n Increased gas flows between Latvia and Lithuania
Benefit Description	The enhancement of bi-directional capacity of up to up to 124.8 GWh (12 MCM) per day between Latvia and Lithuania will increase the opportunities for a cross-border trade, higher usage of Latvia's UGS and ensures safe and reliable natural gas supply, flexibility of the transmission systems both in Lithuania and Latvia and better integration of the gas markets of the Baltic States.

Upgrade of LNG terminal in Świnoujście

LNG-N-272		Project		LNG Termina	N	lon-FID
Update Date		09/05/201	6		Non	Advanced
Description	The main objective of the pro- benefit from the economies of related to the construction of of SoS, competition and liqui	oject is to upgrade the capacity of the of scale, as relatively low investment c f the 3rd storage tank) may bring furth dity, decrease of gas prices).	LNG terminal in Swinoujścio osts (no need to construct t ner benefits to gas consume	e from 5 up to 10 bcm he facility from scrato ers in the Baltic Sea ar	n/y. The project wi h, the majority of ea and the CEE rec	ll enable to costs will be gion (increase
Regulatory Decisions and similar material conditions						
Capacity Increments Variant	For Modelling					
Point		Operator	Year	From Gas System	To Gas System	Capacity
Swinouiscie		GAZ-SYSTEM S.A.	2020	LNG_Tk_PL	PL	158.0 GWh/d
		Polskie LNG S.A.	2020	LNG_Tk_PL	PL	158.0 GWh/d
Sponsors		General Informa	tion			
Gas Transmission Operator G	AZ-SYSTEM S.A. 100%	Promoter	GAZ-SYSTEM S.A.	_		Ва
		Operator	Polskie LNG S.A.	Permit Granting		1 rrier
		Host Country	Poland) S
		Status	Planned	Others		1 OUN
		Website	<u>Project's URL</u>			Ē
		Publication Approval Status	Approved			

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NDP and	d PCI Information	Schedule	Start Date	End Date	Third-Party Access F	Regime
Part of NDP Yes	(Network Development Plan 2016-	Pre-Feasibility		11/2015	Considered TPA Regime	Regulated
	2025)	Feasibility			Considered Tariff Regime	Regulated
NDP Number	N/A	FEED			Applied for Exemption	No
		Market Test			Exemption Granted	Not Relevant
Currently PCI	Yes (8.7)	Permitting				
		Supply Contracts			Exemption in entry direction	0.00%
CBCA Decision	No	FID			Exemption in exit direction	0.00%
Market Survey	Not Relevant (no CBCA decision)	Construction				
		Commissioning	2020	2020		
		Technical	Information (LNG)			
	LNG terminal in					
LING Facility	Świnoujście					
Expected Volume (bcm/y	·) 5					
Storage Capacity (m3)	200,000					
Ship Size (m3)	216,000					
Reloading Ability	Yes					
		Р	CI Details			
PCI Benefits	Project aims at fulfilling supplying directly or inc	the infrastructure standar lirectly at least two Memb	d (N-1) rule at region er States	al level in acco	ordance with Article 6(3) of Regulation	n EU, Project aims at
General Criteria Fulfilled	Yes					
Specific Criteria Fulfilled	Competition, Market Int	egration, Security of Supp	oly, Sustainability			
Specific Criteria Fulfilled	Comments					
		Expecte	ed Gas Sourcing			
ING () ING experting co	huntries		sa ous sourcing			

LING (), LING exporting countries

Others

Main Driver

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Main Driver Explanation Implementation of the project is driven by SoS and market demand considurations

Benefit Description	The extension of the LNG terminal in Swinoujscie will have an impact on: increasing security of supply in the Baltic Sea and CEE regions by diversifying supply routes, sources (new physical source of supply for both regions) and counterparts (access to global LNG market); enhancing competition on regional markets; promoting natural gas as a reliable, competitive and environmentally-friendly source of energy e.g. in the transport sector (maritime transport); creating a physical hub in Swinoujscie and/or a virtual hub in Poland; establishing adequate technical conditions necessary to cover the forecasted growth of the gas demand in Poland and possible leverage for market coupling potential in the Baltic Sea region and in Central-Eastern Europe The LNG terminal in Świnoujście contributes to the NSI EAST corridor, as the supplies from Świnoujście may be directed through upgraded transmission system in Poland, PL-CZ PL-SK and PL-UA interconnections towards the CEE region.
	Barriers
Barrier Type	Description
Permit Granting	Efficient permitting procedures are necessary for timely implementation of the project.
Others	Possible lack of risk-taking in the private gas sector which would result in insufficient long term committments to enable the investment decision for the infrastructure operator. It could be mitgated by external susbisdies (EU) to cover positive externalities such as SoS, positive environmental impact (reduction of emissions due to fuel change in maritime transport) and supply diversification in the Baltic area and the CEE region (including Ukraine).

Poland - Ukraine Gas interconnection (PL section)

TRA-N-621	Project		Pipeline including	CS N	on-FID
Update Date	06/05/2016			Non	Advanced
Description Regulatory Decisions and	The objective of the project is to create a large transportation corridor betwee Hermanowice-PL/UA border -1,5 km 2. Metering station in Poland 3. Extensiti development in Poland 1. Pipeline DN700 Hermanowice-Strachocina, 72 km DN1000 Pogórska Wola-Tworzeń, 160 km 4. Pipeline DN1000 Tworóg-Tworz integrated gas market in the region (PL, UA, CZ, SK, HU, RO, MD) • diversifica gas supply for Ukraine • reducing dependency on single gas supplier for Ukra and EU contracting countries • access to the gas storages in Ukraine for Polar	en Poland and Ul on of CS Stracho 2. Pipeline DN10(eń, 56 km The Pro ation of gas route aine • strengthen nd and EU countr	kraine. Scope of the Pr cina Necessary additio 00 Strachocina-Pogórs oject will contribute to s and sources for Ukra ing energy solidarity b ries	oject: 1. Pipeline I nal transmission s ka Wola, 98 km 3. wards: • establish ine • enhancemer etween EU Energy	DN1000 ystem Pipeline ment of a well- at of security of Community
similar material conditions					
Capacity Increments Varian	For Modelling				
Point	Operator	Year	From Gas System	To Gas System	Capacity
	GAZ-SYSTEM S.A.	2020	PL	UAe	245.0 GWh/d
PL>UA Interconnector			Comme	nt: 245,28 GWh/d	
	GAZ-SYSTEM S.A.	2020	UA	PL	215.0 GWh/d

Sponsors		General Inform	ation	No Barriers Defined	
PL section		Promoter	GAZ-SYSTEM S.A.		Ba
Gas Transmission Operator GAZ-SYSTEM S.A.	100%	Operator	GAZ-SYSTEM S.A.		rrier
UA section		Host Country	Poland		s (C
Ukrtransgaz	100%	Status	Planned		oun
		Website			Ē
		Publication Approval Status	Approved		

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	NDP and PCI Information	Schedule	Start Date	End Date	Third-Party Acce	ss Regime
Part of NDP	Yes (Network Development Plan 2016-	Pre-Feasibility			Considered TPA Regime	Regulated
	2025)	Feasibility	01/2016	01/2016	Considered Tariff Regime	Regulated
NDP Number	N/A	FEED			Applied for Exemption	No
		Market Test			Exemption Granted	Not Relevant
Currently PCI	No	Permitting				
		Supply Contracts			Exemption in entry direction	0.00%
CBCA Decision	No	FID			Exemption in exit direction	0.00%
Market Survey	Not Relevant (no CBCA decision)	Construction				
		Commissioning	2020	2020		

Pipelines and Compressor Sta	tions				
Pipeline S	Section	Pipeline Comment	Diameter (mm)	Length (km)	Compressor Power (MW)
Hermanowice-	Strachocina	Second DN700 pipeline at this route.	700	72	
Pipeline Hermanowi	ce -PL/UA border	Exact pipeline length is 1.5 km	1,000	2	
Strachoci	ina CS				30
	1	Fotal		74	30
		PCI Details			
PCI Benefits	Project changes the cap prior to the commission	pability to transmit gas across the borders of the membe ning of the project, Project concerns investment in revers	r states concerned by a se flow capacity	t least 10%, co	ompared to the situation
General Criteria Fulfilled	Yes				
Specific Criteria Fulfilled	Competition, Market In	tegration, Security of Supply, Sustainability			

Specific Criteria Fulfilled Comments

 Expected Gas Sourcing

 Norway, Russia, LNG ()

 Description

 Benefits

 Main Driver
 Others

Main Driver Explanation Main D

Benefit Description Establishment of a well-integrated gas market in the region (PL, UA, CZ, SK, HU, RO, MD)

FSRU Polish Baltic Sea Coast

LNG-N-947	Project		LNG Terminal	l N	lon-FID
Update Date	07/06/2016			Non	-Advanced
Description Regulatory Decisions and similar material conditions	The FSRU Polish Baltic Sea Coast project is planned as the first floating termina capacity of 4.5-9 bcm/y. The FSRU terminal will consist of one/two storage tank regasification capacities to gas consumers in Poland and other countries in the Poland-Lithuania and/or LNG ships) and in Central-Eastern Europe (supplies wi interconnections). The scope of the project is currently under assessment.	l in Poland . It v k(s) with the cap Baltic Sea regio thin the North-	will come on stream in pacity of 170 tcm. The on (supplies to be dire South Gas Corridor vi	a 2020 with annual project will offer i ected via Gas Inter a PL-CZ, PL-SK and	re-gasification its connection d PL-UA
Capacity Increments Variant	For Modelling				
Point	Operator	Year	From Gas System	To Gas System	Capacity
FSRU Polish Baltic Sea Coast	GAZ-SYSTEM S.A.	2020	LNG_Tk_PL	PL	275.0 GWh/d
					_

Sponsors	General Informa	tion	No Barriers Defined	
	Promoter	GAZ-SYSTEM S.A.		Ва
	Operator	GAZ-SYSTEM S.A.		rrier
	Host Country	Poland) s.
	Status	Planned		our
	Website			it)
	Publication Approval Status	Approved		

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	PCI Information	Schedule	Start Date	End Date	Third-Party Access R	Regime
Part of NDP	No (N/A. This is a new project)	Pre-Feasibility			Considered TPA Regime	Regulated
NDP Number		Feasibility			Considered Tariff Regime	Regulated
		FEED			Applied for Exemption	No
Currently PCI	No	Market Test			Exemption Granted	Not Relevant
		Permitting				
CBCA Decision	No	Supply Contracts			Exemption in entry direction	0.00%
Market Survey	Not Relevant (no CBCA decision)	FID			Exemption in exit direction	0.00%
		Construction				
		Commissioning	2020	2020		
		Technical	Information (LNG)			
LNG Facility	FSRU Polish Baltic Sea					
	Coast					
Expected Volume (bcm/y)	9	The project under assessm	ent (considered capac	ity ranges froi	n 4.5 bcm/y up to 9 bcm/y)	
Storage Capacity (m3)	170,000					
Ship Size (m3)	170,000 170,000					
Ship Size (m3) Reloading Ability	170,000 170,000 No					
Storage Capacity (m3) Ship Size (m3) Reloading Ability	170,000 170,000 No	F	PCI Details			
Storage Capacity (m3) Ship Size (m3) Reloading Ability PCI Benefits	170,000 170,000 No Project aims at fulfilling supplying directly or inc	F the infrastructure standar directly at least two Memb	P <mark>CI Details</mark> rd (N-1) rule at region per States	al level in acc	ordance with Article 6(3) of Regulatior	n EU, Project aims at
Storage Capacity (m3) Ship Size (m3) Reloading Ability PCI Benefits General Criteria Fulfilled	170,000 170,000 No Project aims at fulfilling supplying directly or inc No	F the infrastructure standar directly at least two Memb	P <mark>CI Details</mark> rd (N-1) rule at region per States	al level in acc	ordance with Article 6(3) of Regulatior	n EU, Project aims at
Storage Capacity (m3) Ship Size (m3) Reloading Ability PCI Benefits General Criteria Fulfilled Specific Criteria Fulfilled	170,000 170,000 No Project aims at fulfilling supplying directly or inc No Competition, Security o	F the infrastructure standar directly at least two Memb f Supply, Sustainability	P <mark>CI Details</mark> rd (N-1) rule at region per States	al level in acc	ordance with Article 6(3) of Regulation	n EU, Project aims at
Storage Capacity (m3) Ship Size (m3) Reloading Ability PCI Benefits General Criteria Fulfilled Specific Criteria Fulfilled Specific Criteria Fulfilled C	170,000 170,000 No Project aims at fulfilling supplying directly or ind No Competition, Security o Comments	F the infrastructure standar directly at least two Memb f Supply, Sustainability	P <mark>CI Details</mark> rd (N-1) rule at region per States	al level in acc	ordance with Article 6(3) of Regulation	n EU, Project aims at
Storage Capacity (m3) Ship Size (m3) Reloading Ability PCI Benefits General Criteria Fulfilled Specific Criteria Fulfilled Specific Criteria Fulfilled C	170,000 170,000 No Project aims at fulfilling supplying directly or inc No Competition, Security o	F the infrastructure standar directly at least two Memb f Supply, Sustainability	PCI Details rd (N-1) rule at region per States	al level in acc	ordance with Article 6(3) of Regulation	n EU, Project aims at
Storage Capacity (m3) Ship Size (m3) Reloading Ability PCI Benefits General Criteria Fulfilled Specific Criteria Fulfilled Specific Criteria Fulfilled C	170,000 170,000 No Project aims at fulfilling supplying directly or inc No Competition, Security o	F the infrastructure standar directly at least two Memb f Supply, Sustainability Expect	PCI Details rd (N-1) rule at region per States ed Gas Sourcing	al level in acc	ordance with Article 6(3) of Regulation	n EU, Project aims at
Storage Capacity (m3) Ship Size (m3) Reloading Ability PCI Benefits General Criteria Fulfilled Specific Criteria Fulfilled Specific Criteria Fulfilled C	170,000 170,000 No Project aims at fulfilling supplying directly or inc No Competition, Security o	F the infrastructure standar directly at least two Memb f Supply, Sustainability Expect	P <mark>CI Details</mark> rd (N-1) rule at region per States ed Gas Sourcing	al level in acc	ordance with Article 6(3) of Regulation	n EU, Project aims at
Storage Capacity (m3) Ship Size (m3) Reloading Ability PCI Benefits General Criteria Fulfilled Specific Criteria Fulfilled Specific Criteria Fulfilled C	170,000 170,000 No Project aims at fulfilling supplying directly or inc No Competition, Security o	F the infrastructure standar directly at least two Memb f Supply, Sustainability Expect	PCI Details rd (N-1) rule at region per States ed Gas Sourcing Benefits	al level in acc	ordance with Article 6(3) of Regulation	n EU, Project aims at

Main Driver Explanation Project driver: SoS, market demand

Benefit Description

TRA-N-394	Proj	ect		Pipeline including	JCS N	lon-FID
Update Date		20/05/2016			Non	-Advanced
Description	From Norway to Denmark. Project possible wi exit point from Statoil but the project is vital f	thin the next 10 years. The or the the Baltic pipe proje	project is not planne ct. Capacity: 3-10 bcn	d, yet. But investigated n/year (one way flow d	d. It will not be pos direction from Nor	ssible to get an way to DK)
Regulatory Decisions and similar material conditions						
Capacity Increments Variant F	or Modelling					
Point	Operat	tor	Year	From Gas System	To Gas System	Capacity
Nybro	Energi	net.dk	2022	IB-NPcDKn	DK	306.8 GWh/c
Sponsors		General Information				
	Promoter		Energinet.dk			Ва
	Operator		Energinet.dk			rrier
	Host Country		Denmark	Market		2 ³
	Status		Planned			oun
	Website					(t)
	Publication Ap	proval Status	Approved			
		Enabled Projects				
Project Code Project Name						
TRA-N-428 (Mirror) Baltic	Pipe					
TRA-N-780 Nybro-Interco	nnector PL-DK - reinforcement					

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	NDP and PCI Information	Schedule	Start Date	End Date	Third-Party Access	Regime
	No (This is an upstream project from the	Pre-Feasibility			Considered TPA Regime	Not Applicable
	North Sea (Norway) to a Danish North Sea	Feasibility	09/2015	12/2016	Considered Tariff Regime	Not Applicable
	Pipe project (aas pipeline between	FEED			Applied for Exemption	Not Relevant
Part of NDP	Denmark and Poland).	Market Test			Exemption Granted	Not Relevant
	The project will be included in future	Permitting				
	national plans in connection when possibly including the Baltic Pine)	Supply Contracts			Exemption in entry direction	0.00%
NDP Number	possibly including the buller ipe.	FID			Exemption in exit direction	0.00%
NDI Nulliber		Construction				
Currently PCI	No	Commissioning	2022	2022		
currentiy r cr	No					
CBCA Decision	No					
Market Survey	Not Relevant (no CBCA decision)					
,						
			PCI Details			
PCI Benefits						
General Criteria	Fulfilled No					
Specific Criteria	Fulfilled Competition, Market Int	tegration, Security of Su	oply, Sustainability			
Specific Criteria	Fulfilled Comments					
			Benefits			
Main Driver	Market Demand					
Main Driver Expl	lanation					
Benefit Descripti	ion					
			Barriers			
Barrier Type	Description					
Market	Currently negotiations are ongoing	with Norwegian partne	r. An important issue is t	he coordinat	ion with the Baltic pipe project (conn	ection between DK
IVIARKET	and PL).					

Lack of market maturity

Market

		(Mirror) Ba	altic Pipe				
TRA-N-428		Project			Pipeline including	g CS N	lon-FID
Update Date		20/0	05/2016			Non	-Advanced
Description	This is a mirror project for the Ba feasible infrastructure solution is transmission system to Entry/Exi the ungoing feasibility study, End (3bcm/y) from PL => DK - year of	altic Pipe promoted by Gaz- s a 3-10 bcm/y upstream cou t point of Baltic Pipe and fu erginet.dk's mirror project is of commissioning – 2022 - F	System S.A. Ent nnection from t rther transport s: - capacity incr ID status – no -	ry/Exit is Dragør in he Northsea gas-fi through Baltic Pipe rement – 306.8 GW PCI status – yes	Denmark and Niecho elds to Deanmark wit to Niechorze (entry/ h/d (10 bcm/y) from	orze in Poland. The h transport throug exit) in Poland. In a DK=>PL and 91.1	identified, h the Danish accordance with GWh/d
Regulatory Decisions and similar material conditions	5						
Capacity Increments Varia Point	nt For Modelling	Operator		Year	From Gas System	To Gas System	Capacity
		Energinet.dk		2022	DK	PL	306.8 GWh/c
Interconnector PL-DK		Energinet.dk		2022	PL	DK	91.1 GWh/d
Sponsors		General Ir	formation				
	Pr	romoter		Energinet.dk			Ва
	0	perator		Energinet.dk			rrie
	Н	ost Country		Denmark	Regulatory		
	St	tatus		Planned			no l
	V.	/ebsite					nt)
	P	ublication Approval Status		Approved			
		Enabled	Projects				
Project Code Project Na	ime						
TRA-N-394 Gassled - E	Danish upstream system						
TRA-N-780 Nybro-Inte	erconnector PL-DK - reinforcement						

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	NDP and PCI Information	Schedule	Start Date	End Date	Third-Party Access Regi	me
	No (Presently a feasibility study for the	Pre-Feasibility			Considered TPA Regime	Regulated
	Baltic Pipe is carried out in cooperation	Feasibility	09/2015	12/2016	Considered Tariff Regime	Regulated
	Detween Gaz-System (Pousn TSO) and Energinet dk (Danish TSO)	FEED			Applied for Exemption	Yes
Part of NDP	This study will be finalized by end of 2016.	Market Test			Exemption Granted	Yes
		Permitting				
	Depending on the result of the study, the	Supply Contracts			Exemption in entry direction	0.00%
	national development plan.)	FID			Exemption in exit direction	0.00%
NDP Number		Construction				
		Commissioning	2022	2022		
Currently PCI	Yes (8.3)					
CBCA Decision	No					
Market Survey	Not Relevant (no CBCA decision)					
			PCI Details			
PCI Benefits	Project changes the cap prior to the commission	ability to transmit gas ac ning of the project, Projec	ross the borders of the tooccerns investment	e member stat in reverse flov	es concerned by at least 10%, compared w capacity	to the situation
General Criteria F	Fulfilled Yes					
Specific Criteria F	Ulfilled Competition, Market Int	tegration, Security of Sup	ply, Sustainability			
specific Criteria F	ulfilled Comments					

Denents	
Market Demand	
٢	Market Demand

	Barriers
Barrier Type	Description
Regulatory	Lack of confidence and risk-taking in the private gas sector as it requires coordinated long-term business cases, fundamental change in current business models/subsidies and involves many parties from three countries. In addition this project must be coordinated with a connection from Norwagian Gassled to Denmarks gas infrastructure.

Nybro-Interconnector PL-DK - reinforcement

TRA-N-780	Project Pipeline	including CS Non-FID
Update Date	20/05/2016	Non-Advanced
Description	Reinforcement of the Danish Transmission System for transporting 3-10 bcm/year from Gassled-TRA-N- Nybro to Baltic Pipe entry/ exit point in DK.	394 (Danish upstrem system) entry point in
Regulatory Decisions and similar material conditions		

Capacity Increments Variant For Modelling								
Point	Operator	Year	From Gas System	To Gas System	Capacity			
	Energinet.dk	2022	DK	PL	0.1 GWh/d			
Interconnector PL DK	Comment: Value of 0.1 to av	void double counting (307 i	s already provided for	interconnector PL- DK (TRA-N-428)				
Interconnector PL-DK	Energinet.dk	2022	PL	DK	0.1 GWh/d			
	Comment: Value of 0.1 to av	roid double counting (91.1 i	s already provided for	interconnector PL- DK (TRA-N-428))				
	Energinet.dk	2022	IB-NPcDKn	DK	0.1 GWh/d			
Nybro	Comment: Value of 0.1 to avoid double counting (307 is already provided for Gassled (TRA-N- 394)							
Sponsors	General Informat	ion	No Ba	arriers Defined				
	Promoter	Energinet.dk			Ba			
	Operator	Energinet.dk			rrier			
	Host Country	Denmark) S			
	Status	Planned			oun			
	Website				Ē			
	Publication Approval Status	Approved						
	Enabled Projects	S						
Project Code Project Name								
TRA-N-428 (Mirror) Baltic Pipe								

Gassled - Danish upstream system

TRA-N-394

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	NDP and PCI Information	Schedule	Start Date	End Date	Third-Party Access Regime	
	No (Presently a feasibility study for the	Pre-Feasibility			Considered TPA Regime	Regulated
	Baltic Pipe is carried out in cooperation	Feasibility	09/2015	12/2016	Considered Tariff Regime	Regulated
	Enerainet.dk. The study will be finalized by	FEED			Applied for Exemption	Yes
Part of NDP	end of 2016. If the study recommends a	Market Test			Exemption Granted	Yes
	capacity of Baltic Pipe well above 3 bcm/y	Permitting				
	, this reinforcement project will be included in NDP.)	Supply Contracts			Exemption in entry direction	0.00%
NDP Number		FID			Exemption in exit direction	0.00%
		Construction				
Currently PCI	No	Commissioning	2022	2022		
CBCA Decision	No					
Market Survey	Not Relevant (no CBCA decision)					

	PCI Details
PCI Benefits	Project changes the capability to transmit gas across the borders of the member states concerned by at least 10%, compared to the situation prior to the commissioning of the project, Project concerns investment in reverse flow capacity
General Criteria Fulfilled	Yes
Specific Criteria Fulfilled	Competition, Market Integration, Security of Supply, Sustainability
Specific Criteria Fulfilled Comment	S

Benefits				
Main Driver	Market Demand			
Main Driver Explanation				
Benefit Description				

Poland - Denmark interconnection (Baltic Pipe) - PL section

TRA-N-271		Project		Pipeline including	g CS N	Non-FID	
Update Date		21/06/20	16		Non	-Advanced	
Description	Baltic Pipe aims to connect the gas transmission systems in Poland and Denmark. The project consists of an offshore pipeline between Poland and Denmark and relevant onshore infrastructure reinforcements in both countries. Baltic Pipe will enable the transmission of Norwegian gas to the CEE region to cover the gas demand in Poland and possible leverage for market coupling potential in the Baltic States and Central-Eastern Europe, including Ukraine. The project may also bring the opportunity for the Danish and Swedish markets to diversify its supply potential in the context of declining production in the Danish part of the North Sea. The Baltic Pipe is intended to contribute to diversification of gas supply and increase competition, integration and security of supply in the CEE region (including Ukraine) and the Baltic States.						
Regulatory Decisions and similar material conditions							
Capacity Increments Variant	t For Modelling						
Point		Operator	Year	From Gas System	To Gas System	Capacity	
Interconnector PL-DK		GAZ-SYSTEM S.A.	2022	DK	PL	306.8 GWh/d	
		GAZ-SYSTEM S.A.	2022	PL	DK	91.1 GWh/d	
Sponsors		General Inform	ation				
Danish section		Promoter	GAZ-SYSTEM S.A.	_		Ва	
Energinet.dk	100%	Operator	GAZ-SYSTEM S.A.	Permit Granting		1 rrier	
Polish section		Host Country	Poland			s (C	
GAZ-SYSTEM S.A.	100%	Status	Planned	Others		1 Oun	
		Website	<u>Project's URL</u>			t)	
		Publication Approval Status	Approved				

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NDP and PCI Information		Schedule	Start Date	End Date	Third-Party Acces	ss Regime
Part of NDP	Yes (Network Development Plan 2016-	Pre-Feasibility			Considered TPA Regime	Regulated
	2025)	Feasibility	03/2016	01/2017	Considered Tariff Regime	Regulated
NDP Number	N/A	FEED			Applied for Exemption	No
		Market Test			Exemption Granted	Not Relevant
Currently PCI	Yes (8.3)	Permitting				
		Supply Contracts			Exemption in entry direction	0.00%
CBCA Decision	No	FID			Exemption in exit direction	0.00%
Market Survey	Not Relevant (no CBCA decision)	Construction				
		Commissioning	2022	2022		

Pipelines and Compressor Stat	tions				
Pipeline S	ection	Pipeline Comment	Diameter (mm)	Length (km)	Compressor Power (MW)
Baltic Pipe (offsh	nore section)	Power of the compressor station to be determined at a later stage	900	280	
Goleniow - Lwowe	ek pipeline		100	188	
Goleniow, Gusto	rzyn, Odolanow CS	Goleniow CS : 12 MW, Gustorzyn CS : 15 MW, Odolanow CS : MW	14		41
Niechorze - Pl	oty pipeline		1,000	40	
Onshore termin	al - Niechorze				
		Total		508	41
		PCI Details			
PCI Benefits	Project changes th prior to the comm	e capability to transmit gas across the borders of the member state issioning of the project, Project concerns investment in reverse flow	es concerned by a capacity	t least 10%, co	ompared to the situation
General Criteria Fulfilled	Yes				
Specific Criteria Fulfilled	Competition, Mark	et Integration, Security of Supply, Sustainability			
Specific Criteria Fulfilled Comm	ents				

Expected Gas Sourcing

Norway, LNG ()

	Benefits					
Main Driver	Others					
Main Driver Explanatior	Regulation SoS and market integration					
Benefit Description	Baltic Pipe will have a significant impact on: increasing security of supply in the CEE and Baltic Sea region by diversifying supply routes, sources and counterparts; creating well-interconnected gas infrastructure in the Baltic Sea region; enhancing competition on the regional markets (CEE and the Baltic region); promoting natural gas as a reliable, competitive and environmentally-friendly source of energy e.g. in the power generation and transport sectors. The Baltic Pipe project also contributes to the NSI EAST and BEMIP priority corridors, as the project will allow to transport gas from North Sea deposits to the CEE countries, namely to the CZ, SK and UA (via the North-South corridor in Poland, PL-CZ, PL-SK and PL-UA interconnections) and to the Baltic region (via GIPL to the Baltic States, and further to FI via Balticonnector). Since the project is bidirectional it will also provide the security of supply benefits for DK and SE (access to LNG).					
	Barriers					
Barrier Type	Description					
Permit Granting	Efficient permitting procedures are necessary for timely implementation of the project.					
Others	There is a lack of confidence and risk-taking in the private gas sector to the Baltic Pipe project, as it requires coordinated long term business cases, fundamental change in current business models/susbisdies and involves many parties from at least three countries (PL, DK, NO). Granting the EU priority for the project and a grant to the Polish and Danish TSOs may well accelerate the implementation of the project.					

North - South Gas Corridor in Eastern Poland

TRA-N-245			Project		Pipeline including	g CS N	lon-FID
Update Date			21/06	/2016		Non-	Advanced
Description	The investment tasks within the project constitute essential elements of the planned North-South gas interconnections in Central Eastern a Eastern Europe. The corridor covers Eastern Poland and is planned to be connected to two interconnectors, i.e. Poland – Lithuania (GIPL) an – Slovakia interconnections. Implementation of the project will allow for significant volumes of gas to be transported via the corridor in Eastern Poland towards PL-SK interconnection and the GIPL project. This investment plays a key role in the integration of Baltic States (via GIPL) wiregion along the North-South axis. It will also enhance the access to the USG Strachocina that have large expansion potential and may serve essential security of supply infrastructure in the CEE region. The investment tasks are planned to be commissioned in 2023.						ern and South PL) and Poland In Eastern PL) with the CEE y serve as
Regulatory Decisions and similar material conditions							
Capacity Increments Variant	For Modelling						
Point			Operator	Year	From Gas System	To Gas System	Capacity
			GAZ-SYSTEM S.A.	2023	DScPL	PL	0.0 GWh/d
Aggregated Distribution (PL)			Comment: Incremen	t not assessed by ENTSOG: Dist	ribution points are not	in the scope of the TYNDP)
Sponsors			General Info	ormation			
Gas Transmission Operator GA	AZ-SYSTEM S.A.	100%	Promoter	GAZ-SYSTEM S.A.	Dermit Crenting		Ba
			Operator	GAZ-SYSTEM S.A.	Permit Granting		rrie
			Host Country	Poland	Others		1 ^{rs} (C
			Status	Planned	Financing		
			Website	<u>Project's URL</u>			t)
			Publication Approval Status	Approved			
			Enabled Pr	ojects			
Project Code Project Name TRA-N-212 Gas Interconn	ection Poland-Lithuar	nia (GIPL) - PL section				

TRA-N-212 Gas Interconnection Poland-Lithuania (GIPL) - PL section

TRA-N-275 Poland - Slovakia interconnection (PL section)

TRA-N-621 Poland - Ukraine Gas interconnection (PL section)

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NDP and PCI Information		Schedule	Start Date	End Date	Third-Party Acces	ss Regime
Part of NDP	Yes (Network Development Plan 2016-	Pre-Feasibility			Considered TPA Regime	Regulated
	2025)	Feasibility			Considered Tariff Regime	Regulated
NDP Number	N/A	FEED			Applied for Exemption	No
		Market Test			Exemption Granted	Not Relevant
Currently PCI	Yes (6.2.2)	Permitting				
		Supply Contracts			Exemption in entry direction	0.00%
CBCA Decision	No	FID			Exemption in exit direction	0.00%
Market Survey	Not Relevant (no CBCA decision)	Construction				
		Commissioning	2023	2023		

Pipelines and Compressor Stations				
Pipeline Section	Pipeline Comment	Diameter (mm)	Length (km)	Compressor Power (MW)
CS Pomorze				35
Gustorzyn-Wronow pipeline		1,200	410	
Hermanowice-Jaroslaw pipeline		700	39	
Hermanowice-Strachocina pipeline		700	72	
Jaroslaw-Rozwadow pipeline		700	60	
Kolnik-Gustorzyn pipeline		1,200	230	
Pierscien Trojmiejski		1,000	100	
Rembelszczyzna compressor station				23
Rembelszczyzna-Wronow pipeline		1,000	135	
Rozwadow-Konskowola-Wronow pipeline		700	103	
Total			1,149	58
	PCI Details			
PCI Benefits Project changes the capability to transmir prior to the commissioning of the project	gas across the borders of the member state , Project concerns investment in reverse flow	es concerned by a v capacity	t least 10%, co	mpared to the situation

General Criteria Fulfilled Specific Criteria Fulfilled Yes

Competition, Market Integration, Security of Supply, Sustainability

Specific Criteria Fulfilled Comments

Expected Gas Sourcing

Caspian Region, Norway, Russia, LNG ()

	Benefits				
Main Driver	Others				
Main Driver Explanatio	n Regulation SoS, market demand				
Benefit Description	The project will allow to transport significant volumes of gas via PL-SK and PL-UA interconnections. It will also enhance the access to the USG Strachocin that have large expansion potential and may serve as essential security of supply infrastructure in the CEE region. Construction of the pipelines within this project, together with completion of the PL-SK interconnection and GIPL, will have a positive impact on the competition in the CEE and Baltic regions, as the project will provide a possibility to open the market for more gas suppliers. This would in turn mean ending the state of major dependency on one single gas supplier for the countries in the respective regions thanks to the potential access to gas deliveries from new sources. The projects in Eastern Poland are located in the area which offers the possibility to extract unconventional gas. If reserves are confirmed, the transmission infrastructure in Eastern Poland might be used to transport gas to adjecent systems.				
	Barriers				
Barrier Type	Description				
Permit Granting	Efficient permitting procedures are necessary for timely implementation of the project.				
Others	Due to the project drivers which are mainly related to SoS in Central-Eastern Europe, the project does not meet the criterion of economic viability, so the external co-financing is indispensable. Lack of external financial support may be a serious barrier in implementation.				
Financing	Due to the project drivers which are mainly related to SoS in Central-Eastern Europe, the project does not meet the criterion of economic viability, so the external co-financing is indispensable. Lack of external financial support may be a serious barrier in implementation.				

LNG-N-824		Project		LNG Termina		Ion-FID
Update Date		23/05/2	016		Non	-Advanced
Description	As this pilot action turned to exercise the purchase option the already achieved substan security of supply, availability FSRU would also facilitate su consumers in the region, as w polluting fuels.	be a success story, Klaipedos nafta available within the pilot action's e tial regional benefits of Klaipeda LN of alternative natural gas supplies, bstantially lower regasification and vell as facilitate faster development	decided to develop a project xisting TCP contract. The long NG terminal to be utilised to the LNG break bulk infrastructure reload tariffs and consequent of small and mid-scale LNG i	centred on the purch g-term solution and th he full extent in the fu e and effective natural ially lower the effectiv nfrastructure and fast	ase of the FSRU Te e project need is a ture. The benefits gas price cap. Pur e natural gas price er switch-over to L	erminal, i.e. an assurance of include rchase of the e cap for all .NG from more
Regulatory Decisions and similar material conditions						
Capacity Increments Variant	For Modelling					
Point		Operator	Year	From Gas System	To Gas System	Capacity
Klaipeda (LNG)		AB Klaipėdos Nafta	2024	LNG_Tk_LT	LT	122.4 GWh/d
Sponsors		General Inforr	mation			
AB Klaipėdos Nafta	100%	Promoter	AB Klaipėdos Nafta	Regulatory		2 B a
		Operator	AB Klaipėdos Nafta	Market		2
		Host Country	Lithuania	Financing		2
		Status	Planned	Political	1	ount
		Website	<u>Project's URL</u>			E.
		Publication Approval Status	Approved			

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NDP and PCI Information		Schedule	Start Date	End Date	Third-Party Access Regi	ne
	No (NDP covers only TSO investments.	Pre-Feasibility			Considered TPA Regime	Regulated
	LNG terminal is not a part of TSO network,	Feasibility			Considered Tariff Regime	Regulated
Part of NDP	erminal projects. LNG projects are covered	FEED			Applied for Exemption	No
	by TYNDP at EU level, not at the national	Market Test			Exemption Granted	Not Relevant
	level.)	Permitting				
NDP Number		Supply Contracts			Exemption in entry direction	0.00%
		FID		12/2018	Exemption in exit direction	0.00%
Currently PCI	No	Construction				
		Commissioning	2024	2024		
CBCA Decision	No					
Market Survey	Not Relevant (no CBCA decision)					

Technical Information (LNG)					
LNG Facility	FSRU Independence				
Expected Volume (bcm/y)	4				
Storage Capacity (m3)	170,000 170.0	00 m3 of LNG capacity for short period of time due to LNG aging			
Ship Size (m3)	170,000				
Reloading Ability	Yes				
		PCI Details			
PCI Benefits	Project aims at fulfilling the ir supplying directly or indirect	nfrastructure standard (N-1) rule at regional level in accordance with Article 6(3) of Regulation EU, Project aims at y at least two Member States			
General Criteria Fulfilled	Yes				
Specific Criteria Fulfilled	Competition, Market Integrat	ion, Security of Supply, Sustainability			
Specific Criteria Fulfilled Comme	Enhanced security of natural gas supply Diversification of natural gas supply sources Full Third Party access Baltic States connection to the pecific Criteria Fulfilled Comments global gas markets Natural gas prices cap in the region LNG break bulk facility for the Baltic Sea Region Significant economic benefits created for the region				
Expected Gas Sourcing					

Comments about the Third-Party Access Regime

Tariff regulation created by Lithuania NRA and Parliament, which was also approved by EC -State aid SA.36740 (2013/NN) – Lithuania. All services of Klaipeda LNG terminal is regulated.

Benefits							
Main Driver	Regulation SoS						
Main Driver Explanation	Ensure certainty on the SoS in the region Without a project there is uncertainty on: - compliance with N-1 standard - competition of gas supply in the market - regional gas market						
Benefit Description	Ensure certainty on independence on the single external natural gas supplier Ensure certainty on diversification of natural gas supply sources Ensure certainty to the regional gas market players and create real gas market ensuring natural gas supply in the Baltics The project is also driven by a market demand to have flexibility in choosing different sources of supply, to be connected with global market						
	Barriers						
Barrier Type	Description						
Regulatory	According to LNG terminal Law, all fixed LNG terminal expenses are covered via gas transmission tariff, while variable costs are included in regasification tariff. Due to low or none variable costs, capacity reservation is free of charge. Additional income from other regulated LNG terminal activities shall cover fixed terminal expenses and no additional profit shall be experienced.						
Political	Klaipeda LNG terminal project is supported by all political institutions in Lithuania (i.e. President office, the Government, Ministries, Parliament, other). Project is supported by COM and pilot action is regarded as a success story: https://ec.europa.eu/energy/sites/ener/files/documents/1_EN_ACT_part1_v10- 1.pdf						
Financing	Amortization rates						
Financing	Availability of funds and associated conditions						
Market	Lack of market maturity						
Market	Lack of market support						
Regulatory	Low or zero-priced short-term capacity						

		UGS Damasla	wek				
UGS-N-914		Project		Storage Facilit	y N	Ion-FID	
Update Date		28/06/20	16		Non	-Advanced	
Description	The purpose of the project is to construct a UGS facility in salt carerns in Damasławek in central Poland. The initial working gas volume will amou for 450 mcm. UGS Damasławek will play an important role from SoS and competition perspective. It will also be instrumental in terms of ensurin proper functioning of the transmission system in Poland.						
Regulatory Decisions and similar material conditions							
Capacity Increments Variant	For Modelling						
Point	-	Operator	Year	From Gas System	To Gas System	Capacity	
Damasławek (PL)		GAZ-SYSTEM S.A.	2026	STcPL	PL	200.0 GWh/d	
		GAZ-SYSTEM S.A.	2026	PL	STcPL	100.0 GWh/d	
Sponsors		General Inform	ation	No Ba	rriers Defined		
GAZ-SYSTEM S.A.	100%	Promoter	GAZ-SYSTEM S.A.			Ва	
		Operator	GAZ-SYSTEM S.A.			rrier	
		Host Country	Poland			.s (C	
		Status	Planned			oun	
		Website				Ē	
		Publication Approval Status	Approved				
Current TYNDP : TYN	IDP 2017 - Annex A					Page 449 of 620	
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NDF	P and PCI Information	Schedule	Start Date	End Date	Third-Party Access	s Regime	
Part of NDP	Yes (Network Development Plan 2016-	Pre-Feasibility			Considered TPA Regime	Regulated	
	2025)	Feasibility			Considered Tariff Regime	Regulated	
NDP Number	N/A	FEED			Applied for Exemption	No	
		Market Test			Exemption Granted	Not Relevant	
Currently PCI	No	Permitting					
		Supply Contracts			Exemption in entry direction	0.00%	
CBCA Decision	No	FID			Exemption in exit direction	0.00%	
Market Survey	Not Relevant (no CBCA decision)	Construction					
		Commissioning	2026	2026			
-		Technical	Information (UGS)				
Storage Facility	UGS Damasławek						
Storage Facility Type	Salt Cavern						
Multiple-Cycle	Yes						
Working Volume (mc	rm) 450.00						
		P	CI Details				
PCI Benefits	Project aims at fulfilling the infrastructure standard (N-1) rule at regional level in accordance with Article 6(3) of Regulation EU, Project aims at supplying directly or indirectly at least two Member States						
General Criteria Fulfil	lled No						
Specific Criteria Fulfil	led Competition, Market Int	tegration, Security of Supp	oly, Sustainability				
Specific Criteria Fulfil	led Comments						
			Benefits				
Main Driver	Others						
Main Driver Explanat	ion Project drivers: SoS, market deman	d					
Benefit Description							