ENTSOG Publication :

[001]- Comments on the Project in the context of the current publication. :

General Information :

[002]- Is the project an enabler for groups? : No

[003]- Project(System) Code : 468

[004]- ENTSOG Project Code : LNG-N-468

[005]- Was the project item part of the last TYNDP? : No

[006]- Project Name : Example LNG Project

[007]- Infrastructure Type : LNG

[008]- Is the project a virtual submission of more projects : No

[009]- Project Description : Conventional LNG import terminal (bunkering, break-bully, on grid and off grid land transportation) for improving security of supply in Country B and severing commercial customers. The project includes 5*800 m3 pressurized bullets and 2*100m3/h truck loading.

[010]- Project Host Country : Ireland

[011]- Project Status : Planned

[013]- Promoter Legal Personality : Port of City XYZ

[014]- Project Promoter Type. : Third Party Promoter

[016]- Which Company will be the commercial operator once your project is completed. : DESFA S.A.

[017]- Will there be any other commercial operator(s) once your project is completed? If yes, please mention it/them. :

[018]- Has your project taken the FID? : No

[020]- Is your project only a Capacity Modification, which does not require actual investment or construction works ? : No

[021]- Estimated CAPEX (in million €) : 250

[022]- Are these CAPEX costs considered confidential? : No

[024]- Amount of already incurred CAPEX (in million EUR] at the time of project submission : 0

[026]- Amount of contracted but not yet incurred CAPEX (in million EUR] : 0

[028]- CAPEX Range (in %) : 10

[029]- Estimated OPEX (in million € per year) : 15

[030]- Are these OPEX costs considered confidential? : No

[032]- OPEX Range (in %) : 20

[033]- Name of your representative in charge of the Project submission : Steven Test

[034]- E-mail address of your representative in charge of the Project submission : steven.test@promoter.com

[035]- Phone number of your representative in charge of the Project submission : +385695752

[036]- Project Website :

[037]- General Remarks : Possibility of bunkering, truck loading and 0.5 bcma connection into low pressure grid with 4000m3; LNG storage capacity could be available from 2023

Administrative Criteria :

[040]- Please select the category of the project promoter you are : C.1 Company which is a Member, Observer or Associated Partner of ENTSOG or an entity being a partner of the company in the same project or having a shareholding relation with this company.

[042]- Company Existance (Pass-Fail Criteria) : Yes

[043]- Company Financial Strength (Pass-Fail Criteria) : Yes

[044]- Company Technical Expertise (Pass-Fail Criteria) : Yes

[045]- Please indicate if your project has completed the (Pre-) Feasiblity study : No

[050]- Please select one of the following options :

- (Pre-) Feasibility study [please attach relevant documents below]

[051]- Please provide any additional comments : Feasibility study is ongoing and should be finalized by the end of 2021

Inclusion in NDP :

[054]- Is your project part of a National Development Plan (NDP) ? : Yes

[055]- Please indicate the name of the NDP in which your project is included : National Development Version 5.2.

[056]- Please indicate the unique identification number of your project in the NDP : ND-V5.2-Y122020

[057]- Project NDP Website : http://www.internetseite.com

[059]- NDP Release date : 11/12/2020

Enabler/Enhancer Projects :

[061]- Is this project an internal enabler? : Yes

[062]- Enabled Projects :

- TRA-F-467 Ghost Project - Gaslink PCI

[064]- Please explain the enabler relation with the selected project(s). : Without this project the above named Project can't be realized as no supply source is available.

[065]- Is this project an enhancer ? : No

Project Shareholders :

[069]- Project Section	[070]- Shareholder Name	[071]- Shareholder Share
Complete LNG Terminal	Government Country	25
Complete LNG Terminal	Port of City	75

Technical Information :

[072]- Indicate if your project is part of : None of above

[074]- Is this a multi-phase project? : No

[075]- Please specify if your project is suited to transport increasing percentages of hydrogen (possibly up to 100 %) : Yes

[077]- Please specify if your project contributes to coal to gas switch : Yes

Type Specific Information - LNG :

[088]- Reloading ability ?	[089]- Name of Project Phase	[090]- Expected increment in yearly volume (bcm/y)	[091]- Increment in Ship size (m3 LNG)	[092]- Increment of daily Send-out capacity (mcm/d)	[093]- Increment of storage capacity (m3 LNG)	[094]- Comments	[095]- Commissioning Year	[096]- Modelling Commissioning Year	[097]- Please indicate the expected load factor of the LNG facility on yearly basis	[098]- GS
City LNG	4	160000	11	160000	no comments	2023	2023	50	LNG_Tk_AL	

[087]- Name of the regaseification facility : City LNG

[099]- Additional Comments :

Project of Common Interest(PCI) Label :

[136]- Is your project in the current legal PCI list ? : No

[138]- Do you intend to apply for PCI label in the next PCI round? : No

Variant for Modelling :

[156]- Variant Name	[157]- Variant Description	[158]- Considered for Modelling
LNG Out	LNG out from Terminal	Yes

Increments in Entry/Exit Capacity (If you do not complete this section, your project cannot be modelled) :

[159]- Transportable/storable gas	[160]- Share of selected gas/ total capacity [%]

Natural gas : 100

Hydrogen :

Synthetic methane :

Biomethane :

:

[161]- Operator	[162]- Point	[163]- Flow Direction	[164]- Status	[165]- Variant	[166]- Commissioning Year	[167]- Modelling Commissioning Year	[168]- Increment (GWh/d)	[169]- Peak Increment (GWh/d)	[170]- Comment
Trans-Adriatic Pipeline AG	Nea Mesimvria	exit	Operational	LNG Out	2023	2023	115	121	

Cross Border Cost Allocation and Financial Assistance :

[171]- Does your project have a CBCA decision by NRAs or ACER ? Select one or more :

- No, we have not submitted an investment request yet, and we have not yet decided whether we will submit or not

[172]- {if option 1, 2 or 3} When the investment request was submitted/or you plan to submit it? :

[173]- If option 1), when was the decision taken? :

[174]- If option 1), please provide CBCA Decision Website :

[175]- If option 1), please list the countries identified from the CBCA decision as net benefiting countries :

[176]- If option 1), please list the countries identified from the CBCA decision as net cost bearers :

[177]- Please provide any additional comments :

[178]- Have you already applied for financial support from the Connecting Europe Facility (CEF) :

- (3) No, we have not applied for CEF

[179]- [If options 1) or 2) in above box list] Did your project request EU financial assistance in the form of grants for studies? : No

[180]- Did you receive any grants for studies following your request? : Not applicable

[181]- If yes, please indicate the amount [mil EUR] :

[182]- If options 1) or 2) Did your project request EU financial assistance in the form of grants for works? : No

[183]- Did you receive any grants for works following your request? : Not applicable

[184]- If yes, please indicate the amount [mil EUR] :

[185]- If option 3), Do you intend to apply for financial support from the Connecting Europe Facility? :

- No, we do not plan to apply

[186]- Have you received any financial support from funding programmes other than CEF at European, regional or national level? : No

[187]- Please Provide details :

[188]- Do you plan to apply for any other type of financial assistance ? : No

[190]- Please Provide any further relevant details :

Project Schedule :

[192]- Pre-Feasibility Start date : 02/09/2018

[192]- Pre-Feasibility End date : 31/03/2019

[193]- Feasibility Start date : 01/04/2019

[193]- Feasibility End date : 01/11/2021

[194]- FEED : Not available

[195]- Permitting Phase Start date : 01/01/2020

[195]- Permitting Phase End date : 28/02/2022

[196]- Supply Contracts : Tendering will start soon

[197]- Expected FID date :

[198]- Construction Start date : 01/07/2022

[198]- Construction End date : 31/07/2023

[199]- Project Advancement : In Progress

[200]- Comments about Project Advancement :

[202]- Date of grant obtention for studies/for works :

[203]- Comments about the schedule, including Realisation Conditions : Indicative time schedule based on ongoing feasibility studies

[204]- Compared to previous TYNDP indicate if your project is : Not applicable

[205]- Delay Explanation: :

Project Expected Impact :

[206]- Main Project Driver(s) :

- Market Demand

- Regulation SoS

[209]- Comments on the Main Project Driver : - Market integration and diversification, SOS, market development - Synergies between energy supply and alternative fuel in transport

[210]- In line with the definition of Gasification provided in the Handbook, does your project contribute to the gasification of a country or the gasification of a specific area not reached yet by gas? : No

[212]- Please provide your project expected benefits : Interoperability and leads to a diversification of sources and routes. Reduces bottlenecks.

[213]- Impacted countries and relevant information. : Country B and neighbour country C. Reduces bottlenecks in Country C and is very important also for neighbour country c with regards to SoS

[214]- Please indicate the number of new jobs created associated to the project, the impacted countries and provide relevant information : 40-50 jobs will be newly created. Mainly in the operating of the LNG Terminal but also in the dispatching area and finance department.

[215]- Please describe and quantify any possible positive impact of the project on climate change : LNG will be also delivered to new LNG fuelling stations for the transportation sector. Here LNG can replace petrol.

[216]- Please describe and quantify any possible negative impact of the project on climate change : N/A

[222]- Does your Project include new digital solutions? : No

[224]- Does your project enable the integration with the electricity, heating, water or telecommunication network? : No

[229]- Does your project contribute to any of the following specific criteria? :

- network security and quality of supply by improving the efficiency and interoperability of gas transmission and distribution in day-to-day network operation by, among others, addressing challenges resulting from the injection of gases of different qualities through the deployment of innovative technologies and cybersecurity

- market functioning and customer services

[231]- Gas Sourcing :

Algeria : No

Caspia/Azerbaijan : No

Libya : No

Norway : No

Russia : No

Israel : No

Turkey : No

LNG : Yes

LNG Country :

- World

:

Electrolysis : No

SMR : No

Pyrolysis : No

Biogas : No

Others :

[232]- Please provide the background for the gas sources the project will be supplied with. : LNG can received from different supplier around the world

[233]- Measures / Actions to reduce methane emissions :

[234]- Does the design and construction of the project minimize the number of connections and components that commonly leak? : Yes

[235]- Does the design and construction include measures for recapture/reuse of gas when possible (compressors, analysis equipment…)? : No

[236]- Does the design and construction avoid or minimize the installation of vents (TRA and UGS only)? : Yes

[237]- Comment. :

[238]- Does the design and construction prioritize the use of electric, mechanical and compressed air equipment (pneumatic controllers, compressor starters)? : No

[239]- In case that devices powered by natural gas are the best option, will lower emissions devices be used (instead of highbleed controllers)? : No

[240]- Comment. :

[241]- Does the design and construction foresee to install dry disconnect couplings in the LNG truck loading facilities (LNG only)? : Yes

[242]- Does the design and construction consider to implement BOG recovery units to recover, compress and send the BOG to the recondenser to be converted to LNG (LNG only)? : Yes

[243]- Is it planned to install automated air/fuel ratio controls ? : No

[244]- Please provide an estimation of the expected methane emissions [in kg CH4/y] once the facility has been commissioned and describe how these emissions were calculated. If not applicable, please justify. :

[245]- Are periodic leak detection and repair (LDAR) programs for fugitive emissions planned during the start-up phase? : No

[246]- Comment. :

[247]- Are steps planned to reduce venting from routine maintenance repairs when pipelines and or large vessels need to be depressurized during operation? : --Select--

[248]- Does the operator plan to minimize the volume that has to be depressurized during venting? : --Select--

[249]- Does the operator plan to use pumpdowns for depressurizing pipelines and large vessels during maintenance? : --Select--

[250]- Does the operator plan the usage of hot-taps to make connections to pipelines? : --Select--

[251]- Is it planned to use portable compressors to avoid vents during start-up and operation? : --Select--

[252]- In case that venting can not be avoided will vented gases flared? : --Select--

[253]- Will LNG truck loading nitro injection or dry coupling used to avoid venting (LNG only)? : Yes

[254]- Are LNG terminals BOG compressors used under normal operation conditions(LNG only)? : Yes

[255]- Does the operator aspires increasing the combustion efficiency of natural-gas powered engines? : Not Applicable

[256]- Does the operator aspire to minimize number of start-ups (engines, turbines and fired heaters)? : Not Applicable

[257]- It is mandatory to keep an accurate inventory of flaring activities during start-up and operation (UGS, LNG only)? : Yes

[258]- Please list technical evidence to support the implementation of the selected mitigation measures (during engineering design, construction and start-up stages of the project).. :

[259]- Additional Mitigation measures (not included above):. :

[260]- Did Promoter(s) join/intend to join the OGMP 2.0 Reporting Framework? : Yes

[261]- if intended in the near future please give an approx. Date/Year . :

Intergovernmental Agreement :

[270]- Agreement Name	[271]- Signed	[272]- Date	[273]- Description	[274]- Other comments

Barriers in Implementation :

[275]- Regulatory Framework :

- Low rate of return

[277]- Permit granting : No barriers here. All permits for the construction phase are in time.

[278]- Financing :

- Availability of funds and associated conditions

[280]- Political :

[281]- Market :

[282]- Project acceptability by the local community. :

[283]- Technical/Technological. :

[285]- Value chain :

[286]- Other Barriers, please explain :

[287]- Which incentives would support your project implementation :

[288]- Have you received additional regulatory incentives for your project :

Please upload a map of your project :