



List of Small Projects¹

Version number: 18/ 26.11.2020

This version is published due to the:

- Addition of project(s)
- Removal of project(s)
- Other

¹ As per article 95 of NNGS Administration Code.

Update due to the approval of Development Plan 2020-2029 from RAE (RAE Decision 755/2020) as well as the inclusion of new projects as presented in the following Table A.

- For the Small Projects included in the approved Development Plan 2020-2029, which are included in the List of Small Projects according to the provisions of article 95 par. 1 (A) of the NNGS Administration Code, reference is made to the relevant RAE Decision and namely to the projects:

- of Chapter 2.1.1.*
- 2.1.2.2., 2.1.2.4., 2.1.2.5., 2.1.2.6., 2.1.2.7., 2.1.2.8., 2.1.2.10.-2.1.2.13. of Chapter 2.1.2.*
- 2.1.3.2. of Chapter 2.1.3*
- 2.2.1.5. -2.2.1.9., 2.2.1.12., 2.2.1.15- 2.2.1.18. of Chapter 2.2.1*
- of Chapter 2.2.2.*

- In the List of Small Projects, new projects are also included according to the provisions of article 95 par.1(B) of the NNGS Network Code:

Table A						
No.	TITLE OF THE PROJECT	CLASSIFICATION OF PROJECT		TECHNICAL DESCRIPTION	ESTIMATED COST (IN €)	TIME SCHEDULE
		Projects for the connection	Projects for the Development			

		of Users	of NNGS			
1.	Installation of Electronic Surveillance Systems at M/R HAR - ELPE, L/V Korinthos and L/V Tripoli		√	<p>The project concerns the installation of electronic surveillance systems at the following DESFA's facilities:</p> <ul style="list-style-type: none"> • M/R HAR–HELPE (Aspropyrgos) • L/V Korinthos • L/V Tripoli <p>The purpose of these systems will be to detect and identify potential threats and intruders in the facility, to provide warning to the designated control room, to deter potential intruders and provide tactical information to the response team.</p> <p>Each system will consist of the following three basic modules:</p> <ul style="list-style-type: none"> • Detection mechanisms • Image processing and analytics • Real time audio on-site <p>Also at O&M of Spathovouni, an Electronic Surveillance Monitoring Station will be installed which will manage the systems at the L/Vs of Korinthos and Tripoli. The guards will be able to receive alarms, control cameras on all connected sites and directly talk to each site via audio</p>	60.000	<p>Under Maturity</p> <p>Final Investment Decision: 07/2020</p> <p>Start of operation: 11/2020</p> <p>Inclusion in the system: 11/2020</p>

				installation.		
2.	Drimos/Liti M/R city gate station		√	The investment consists of a one Metering Regulating city gate station at the area of Drymos including building construction and installation (M/R Control Building), construction of Metering and Regulating skid, construction of auxiliary installations, construction of steel shelter for the protection of M/R skid (Skid Shelter), as well as connection with the existing NNGTS pipeline with a new 0,1km pipeline that will be connected to the main pipeline with the method of hot-tapping.	2.500.000	Under preliminary study Final Investment Decision: 06/2021 Start of operation: 04/2023 Inclusion in the system: 04/2023
3.	Connection with TERNA Power Plant to the NNTGS	√		The project comprises construction of a new 1,5km pipeline that will be connected to the branch of ‘‘Komotini-Alexandroupoli’’ with the method of hot-tapping and construction of one line valve station, construction of one Metering station with two metering skid, 1 working + 1 stand by, with capacity of 107.000 Nm ³ /h, construction of central inlet and outlet Emergency Shut Down valve	3.220.000	Under Maturity Final Investment Decision: 12/2020 Start of operation: 11/2022

				stations, and construction of one line valve station as NNGTS exit point, in order to supply with natural gas the new Power Plant of TERNA.		Inclusion in the system: 12/2022
4.	Connection with ELPEDISON Power Plant to the NNTGS	√		The project comprises construction of a new 0,3km pipeline that will be connected to the branch of ‘Pentalofos - Diavata’ with the method of hot-tapping, construction of one line valve station, construction of one Metering station with two metering skid, 1 working + 1 stand by, with capacity of 130.000 Nm ³ /h and construction of central inlet and outlet Emergency Shut Down valve stations inside DESFA’s property, in order to supply with natural gas the new Power Plant of ELPEDISON	2.160.000	Under maturity Final Investment Decision: 01/2021 Start of operation: 09/2022 Inclusion in the system: 11/2022
5.	Megalopoli M/R city gate station		√	The investment consists of one Metering Regulating city gate station at the area of Megalopoli including building construction and installation (M/R Control Building), construction of Metering and Regulating skid with outlet pressure of 16 barg, construction of auxiliary installations, construction of steel shelter (Skid Shelter),	2.700.000	Under maturity Final Investment Decision: 03/2021 Start of operation:

				<p>as well as connection with the existing NNGTS pipeline (24") at Perivolia.</p> <p>The project includes also a temporary M/R station for the faster supply of the region with natural gas.</p>		<p>06/2022</p> <p>Inclusion in the system: 09/2022</p> <p>Final Investment Decision of the temporary M/R: Taken</p> <p>Start of operation/ Inclusion in the system of the temporary M/R: 12/2020</p>
6.	Upgrade of LNG Facilities		√	<p>The project consists of:</p> <p>1) Upgrade of equipment of LNG Facilities: This project includes a) Engineering, supply and installation of new PLC control system for Marin – Gangway, b) Engineering, supply and installation new PLC & HMI control system for SCV A/B</p>	270.000	<p>Under construction</p> <p>Final Investment Decision: Taken</p> <p>Start of operation/ Inclusion in the</p>

				<p>and c) Replacement of Dry Powder system in LNG tanks A/B (supply and installation).</p> <p>2) Upgrade of air supply system of LNG Facilities: This project includes design & supply of equipment for upgrading the air supply system (plant & instrument Air).</p> <p>3) Engineering supply and installation of condensate treatment system for Combined Heat & Power Plant: Including engineering, supply and installation of condensate treatment system for Combined Heat & Power Plant.</p>		system: 10/2021
7.	Integrated Information System for Natural Gas Upgrade (year 2020)		√	The Integrated Information System for Natural Gas (IISNG) is the main communication / transaction platform between DESFA and NNGTS/LNG Users as well as between NNGS Users / Selected Customers based on the provisions of the Network Code. The IISNG is a regulatory obligation for DESFA under National and	300.000	<p>Under maturity</p> <p>Final Investment Decision: Taken</p> <p>Start of operation: 11/2020</p>

				<p>European Regulatory Framework for the Gas Market. DESFA is responsible for maintaining the IISNG up to date, in line with any changes of the regulatory framework, as well as Users' needs regarding expected functionalities. Especially for the year 2020, the IISNG is planned to be upgraded for the services regarding management of the LNG installations, and the Transmission System, the development of APIs for interfacing third party platforms, and B2B communication.</p>		<p>Inclusion in the system: 02/2021</p>
8.	Information System for Auctioning Procedure (year 2020)		√	<p>On 22.10.2020, RAE approved the 6th revision of the NNGS Network Code (O.G. B' 4799/30.10.20), introducing, among others an auctioning procedure for the allocation of Standard LNG Unloading Slots and Bundled Transmission and LNG Regasification Capacity at Agia Triada Entry Point and the LNG Facility, respectively. Furthermore, the Annual LNG Scheduling procedure for the Year 2021 has to be concluded before the end of November 2020. Therefore, DESFA shall</p>	165.000	<p>Under maturity</p> <p>Final Investment Decision: 11/2020</p> <p>Start of operation: 11/2020</p> <p>Inclusion in the system: 12/2020</p>

			<p>be able to provide the new auctions by the last week of November 2020, the latest. The project refers to the following necessary developments that must be initiated immediately:</p> <p>A) Development of the two new Auction types:</p> <ul style="list-style-type: none"> • LNG Standard Unloading Slot Allocation Auctions • Bundled LNG Regasification & Transmission Capacity for Delivery (Agia Triada Entry) Auction <p>B) Additions to the existing Additional Storage Space Auction:</p> <ul style="list-style-type: none"> • Batch submission of Auction's Offers • Submission of Allocation Restrictions through Application Programming Interface (API) 		
	Total estimated cost	11.375.000 €			