



List of Small Projects¹

Version number: 19/ 18.05.2021

This version is published due to the:

Addition of project(s)

Removal of project(s)

Other

¹ As per article 95 of NNGS Network Code.

Update due to the approval of Development Plan 2021-2030 from RAE (RAEs Decision 116/2021) as well as addition of new projects (Table A) according to the provisions of art. 94 par. 5 of Network Code.

- For the Small Projects included in the approved Development Plan 2021-2030, which are included in the List of Small Projects according to the provisions of article 95 par. 1 (A) of the Network Code, reference is made to the relevant RAE Decision and namely to the projects of Chapter II:

1. A3.3-A3.5
2. B1.3
3. B2.1 –B2.9
4. B3.1, B3.4-B3.10
5. B5.2-B5.3, B5.5-B5.6, B5.8, B5.10-B5.15, B5.17-B5.18

- 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 (Art. 92)		TECHNICAL DESCRIPTION	ESTIMATED COST (IN €)	TIME SCHEDULE
		Projects for the connection	Projects for the Development			

		of Users	of NNGS			
1.	LNG Maintenance Projects		√	<p>The project refers to a set of LNG Maintenance works or upgrades on the LNG Terminal of Revithoussa for maintaining or extending the useful life asset and its components, which is crucial for satisfying its obligations as the LNG Operator, in the most cost-effective, transparent and direct way.</p> <p>In particular, the project includes the following subprojects:</p> <ul style="list-style-type: none"> i. Fire-fighting vehicle ii. Study Interior Lighting Upgrade Control Room iii. Maintenance of Compressors BOG A.B.C iv. Maintenance of bridge cranes of Tanks A & B v. Upgrade existing ones & purchase of a new chromatograph at CHP Unit vi. Maintenance of GE 1&2 CHP (50,000h) vii. Replacing air conditioners with new type INVERTER-2nd Phase 	€ 822.000	FID: Taken Start of operation/Entry into the system: 12/2021

2.	Upgrade of Control and Load Distribution Center in Patima		√	<p>The project refers to Full SCADA replacement at Patima Dispatching Center. Existing data based, historical data, displays and reports will be migrated in order to have modern hardware, faster speed, higher capacity, better security, virtualization of New Application for Gas Measurement Data Management with additional functionalities for validation and editing of metering data and storage of all metering data in single data base.</p> <p>In particular, the project includes the following subprojects:</p> <ul style="list-style-type: none"> i. Architectural and Electromechanical upgrade of Control and Load Distribution Center in Patima-Procurement of long-term materials Study Interior Lighting Upgrade Control Room ii. Architectural and Electromechanical upgrade of Control and Load Distribution Center in Patima-Construction 	€ 715.950	<p>FID: Taken</p> <p>Start of operation/Entry into the system: 9/2021</p>
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3.	Operations Division's Equipment		√	<p>The project refers to a set of Maintenance works or upgrades on the pipeline. The project is important for maintaining or extending the useful life of the Pipeline equipment and its components, which is crucial for satisfying its obligations as the Transmission Network Operator.</p> <p>In particular, the Project includes the following subprojects:</p> <ul style="list-style-type: none"> i. Pressure test pump for locking devices with accessories, ii. Portable Three Phase Generator 10 kVA, iii. Standard calibration instruments for Kipi MS, iv. Electrician tools and measuring instruments, v. A / C replacement, vi. UTP cable measuring instrument. 	€ 69.000	<p>FID: Taken</p> <p>Start of operation/Entry into the system: 12/2021</p>
4.	Replacement of UPS in 9 RCC and 2 M/R at EKO, PLATY plus UPS in O&Ms Patima, Ambelia and Vistonida		√	<p>The purpose of this project is the supply of Uninterruptible Power Supply Systems in respective facilities along the NGTS.</p> <p>The project is important for maintaining or extending the useful life of the</p>	€ 150.000	<p>FID: Taken</p> <p>Start of operation/Entry into the system: 10/2021</p>

				Pipeline equipment and its components, which is crucial for satisfying its obligations as the Transmission Network Operator.		
5.	Upgrade of HMI system of Solar compressor		√	<p>The purpose of this project is the upgrade of Station Control System-Human Machine Interphase (HMI) at Nea Mesimvria compression station.</p> <p>Solar's TT4000 Human Machine Interface (HMI) is the operator's primary information source for the status of the turbine package. This system is based on Windows 7. Microsoft has announced that it will discontinue supporting security patches for Windows 7 in 2020. Windows 10 provides improved security features that provide first steps in meeting HMI security goals.</p>	€ 200.000	<p>FID: Taken</p> <p>Start of operation/Entry into the system: 12/2021</p>
6.	Energy upgrades in O&M centers		√	<p>The purpose of this project is procurement and installation of central air-cooled Chillers in Ampelia O&M and Patima O&M.</p> <p>These systems have become obsolete as</p>	€ 200.000	<p>FID: Taken</p> <p>Start of operation/Entry into the system</p>

			they have lost their cooling capacity and no longer correspond to the required cooling load. In addition, the systems are energy consuming and their maintenance costs are high, since they often present malfunctions and loss of refrigerant liquid, which is environmentally unacceptable. Moreover, the spare parts of these systems have become difficult to find. Replacing the cooling systems with equivalent cooling performance and of up to date technology is considered indispensable.		12/2021
	Total estimated cost	2.156.950 €			