

Revithoussa LNG Terminal

Annual Scheduling of Unloadings

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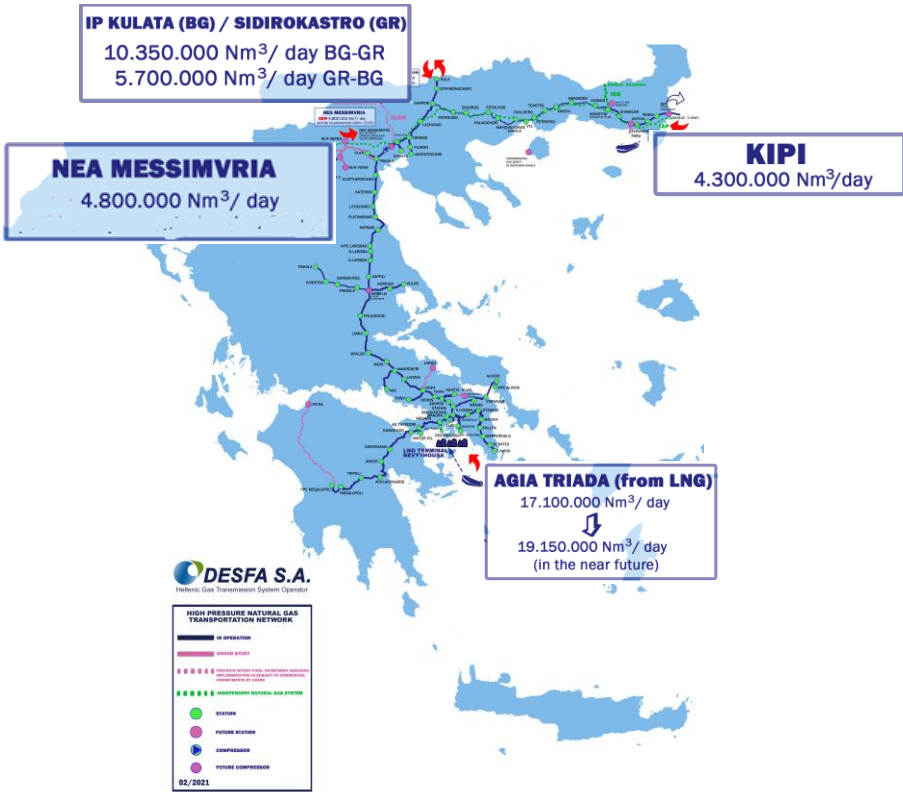




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National Natural Gas Transmission System



- ✓ **512** km main high-pressure (70bar) pipeline
- ✓ **952** km high pressure (70 bar) branches
- ✓ **6** Operation & Maintenance (O&M) Centers
- ✓ **47** Metering/Metering & Regulating (M/R) Stations
- ✓ **3** IP Metering Stations (Kipi , Sidirokastron, Nea Mesimvria) &
1 Metering Station at Ag. Triada opposite to the LNG
- ✓ **1** Compressor Station at Nea Messimvria
- ✓ **120+** Line Valves & Scraper Stations
- ✓ **2** Dispatching Centers (Main and Back up)
- ✓ **Remote Control & Communications**

Revithoussa LNG terminal



Unloading
Rate:



7.250 m³ LNG / hour

Storage
Capacity:



2 tanks of 65.000 m³ each
and one tank of 100.000 m³
available storage space: 205.000m³

Send Out
Capacity:



1.400 m³ LNG/hour (Sustained
Maximum Send out Rate)

Approach
and berth of
LNG
carriers:



from 25.000 m³ up to Qmax^(*)
^(*) Subject to compatibility study

High
Efficiency
CHP unit

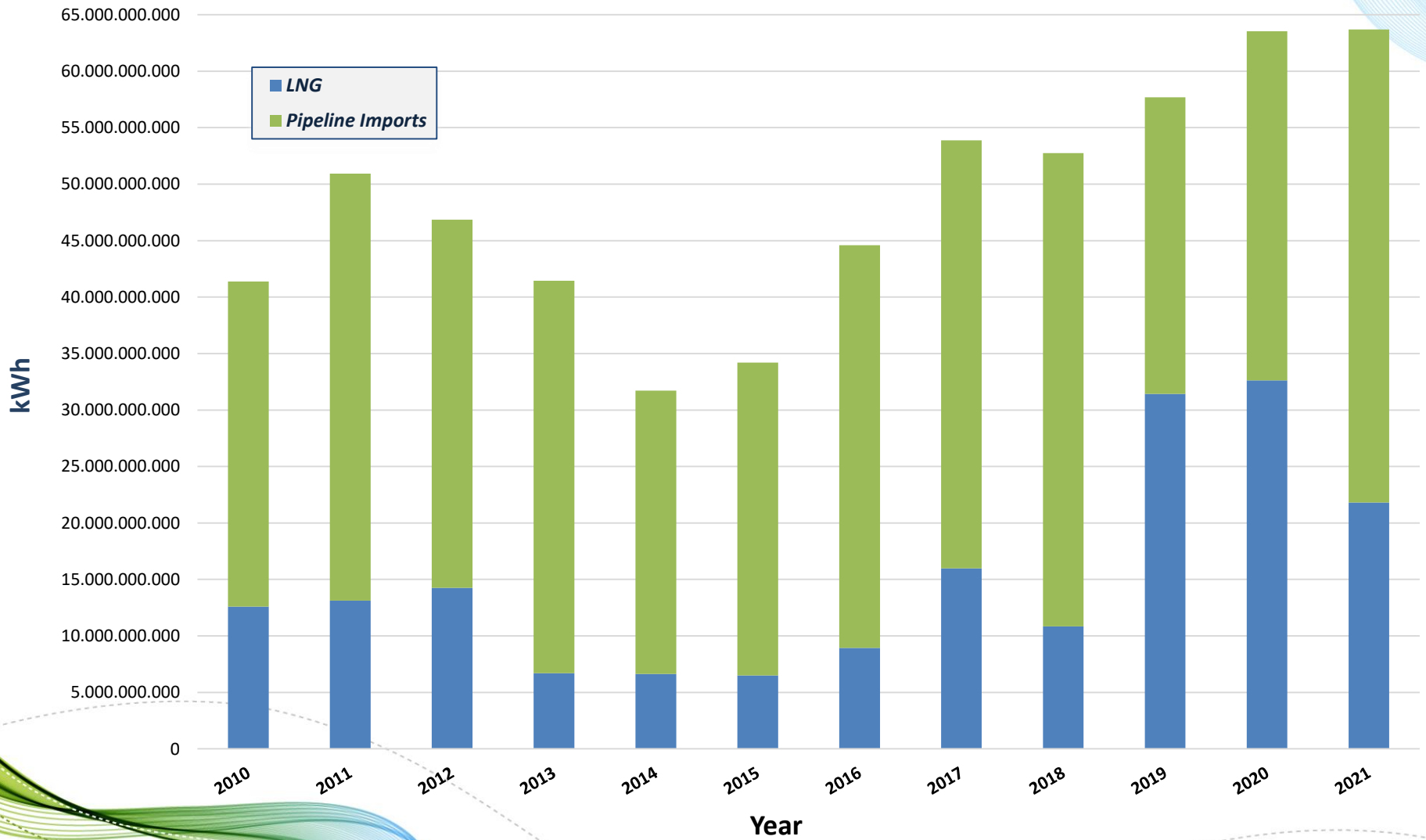


for the power and thermal needs
of the Terminal

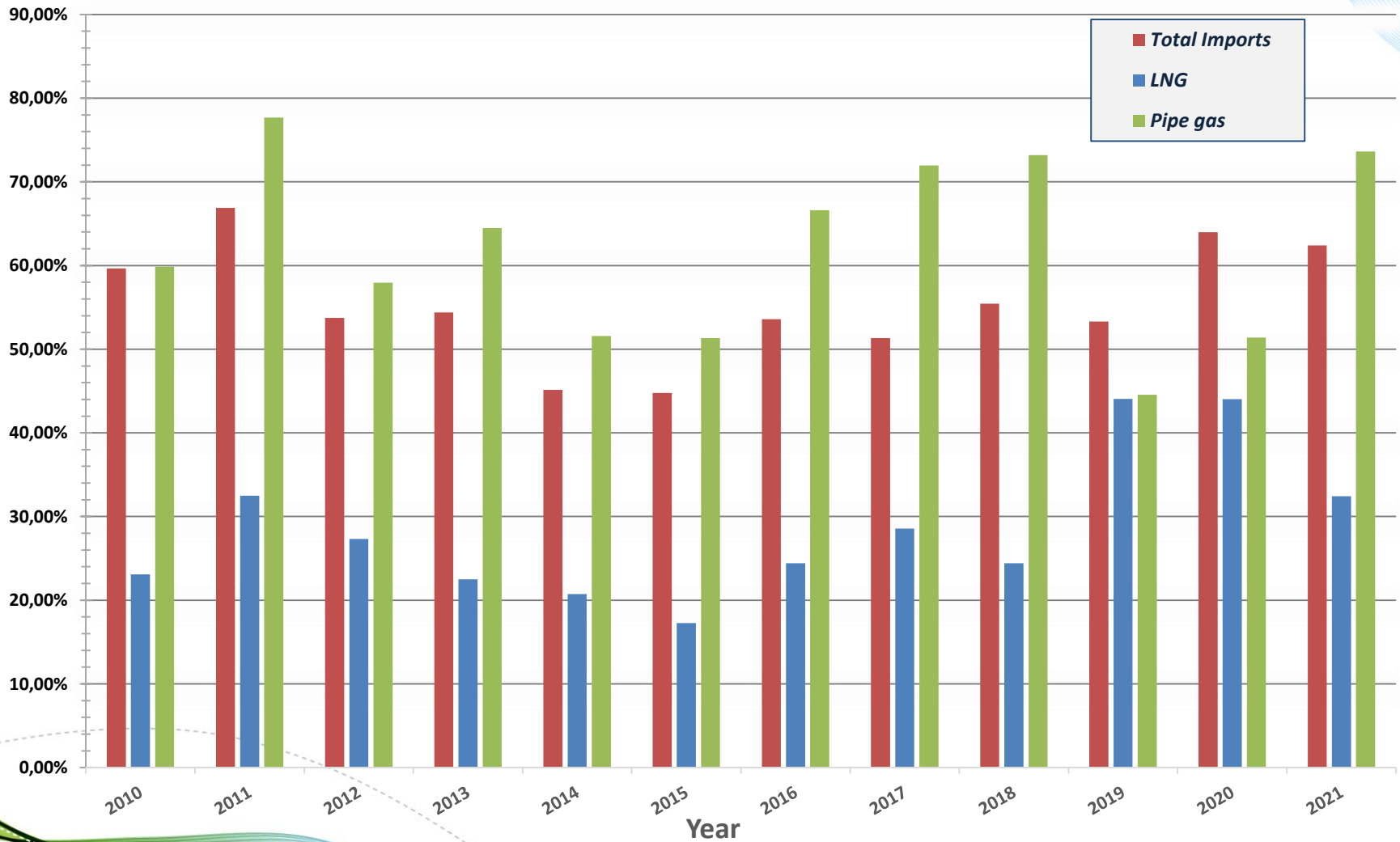
Annual scheduling of Unloadings

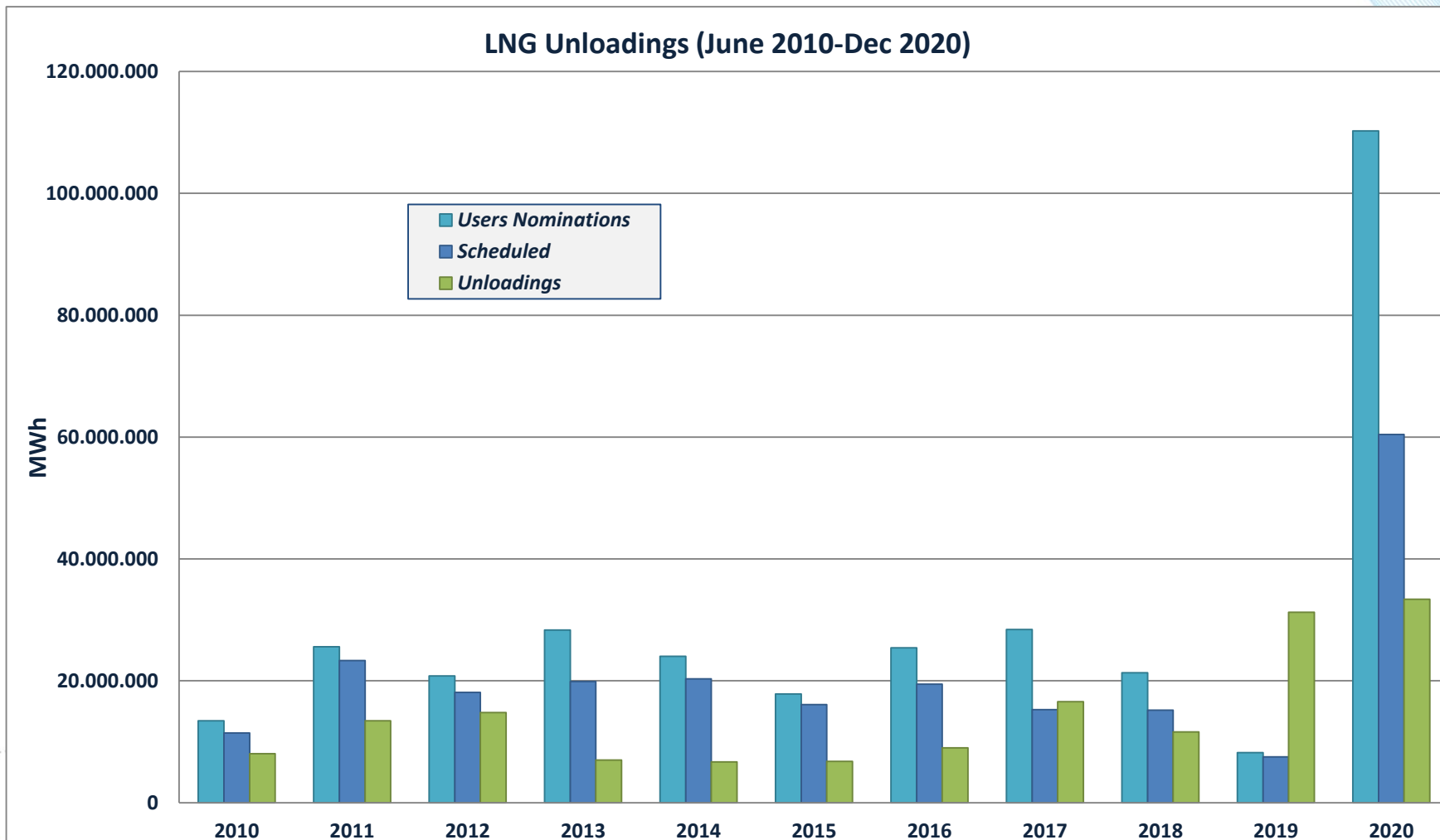
... from a loose scheme to auctions

NNGS Imports



NNGS Imports - Load Factor





Annual scheduling through auctions

The auctions are conducted in two phases

➤ 1st Phase

- Stage A: Allocation of Strips of Standard Unloading Slots
- Stage B: Allocation of individual Standard Unloading Slots

➤ 2nd Phase

- Allocation of Complementary Re-gasification and Entry Transmission Capacity (Bundled LNG Capacity)

Phase 1

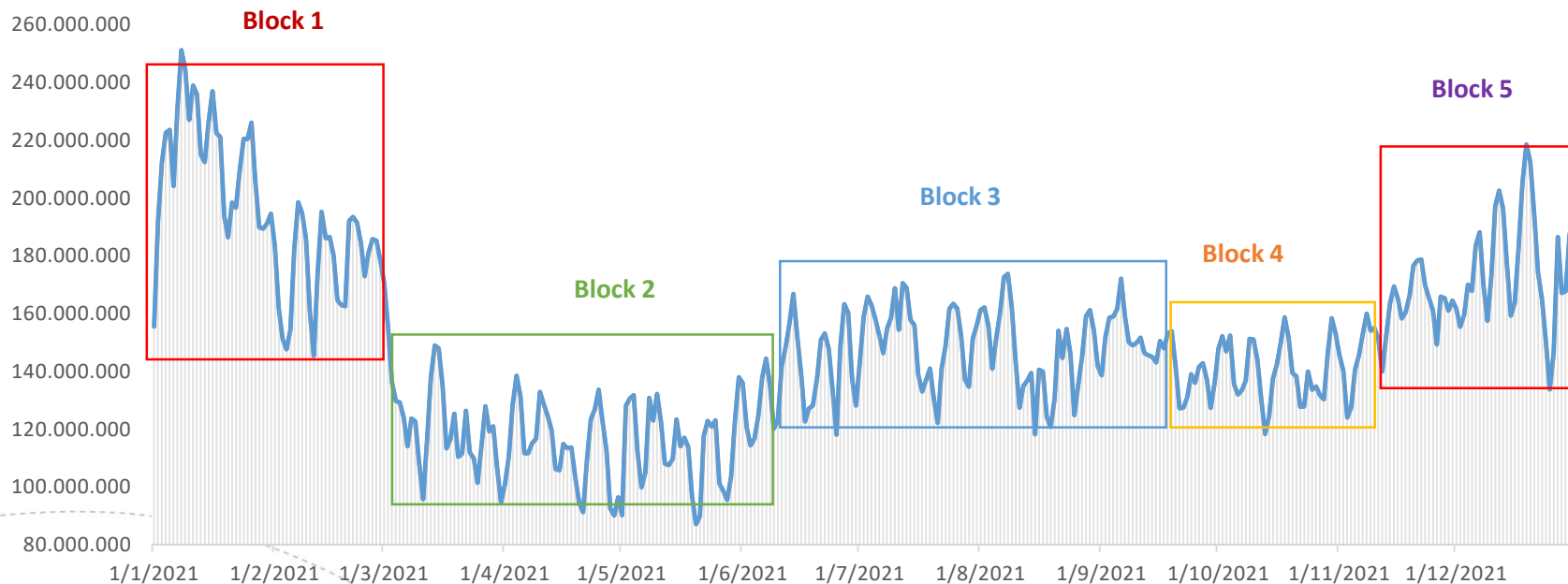
Standard Slot / Block definition

- Standard Slot:
 - Standard cargoes of 1 TWh and 0.5TWh are foreseen
 - Pre-defined Temporary Storage Period and Temporary Storage Space
 - Pre-defined Unloading Time
 - Pre-defined minimum regasification and entry transmission capacity
 - Pre-defined unloading days
- Strips of Standard Slots
 - Each Strip contains a number of Standard Unloading Slots equally placed along the Year
 - Three Strips of five Standard Unloading Slots of 1 TWh and one Strip of eight Standard Unloading Slots of 0.5 TWh were made available in the auctions of 2021
- Block concept:
 - The full Calendar Year is divided into a certain number of time blocks
 - Start and end dates of a Block do not necessarily coincide with start and end dates of calendar months
 - The duration of each Block is not necessarily the same to the previous and next Block
 - Each Block contains a number of Standard Slots
 - The number of slots in each Block shall not be necessarily the same
 - Blocks are defined based on the approximately equal “value” of Slots in the Block

Example of blocks in a year

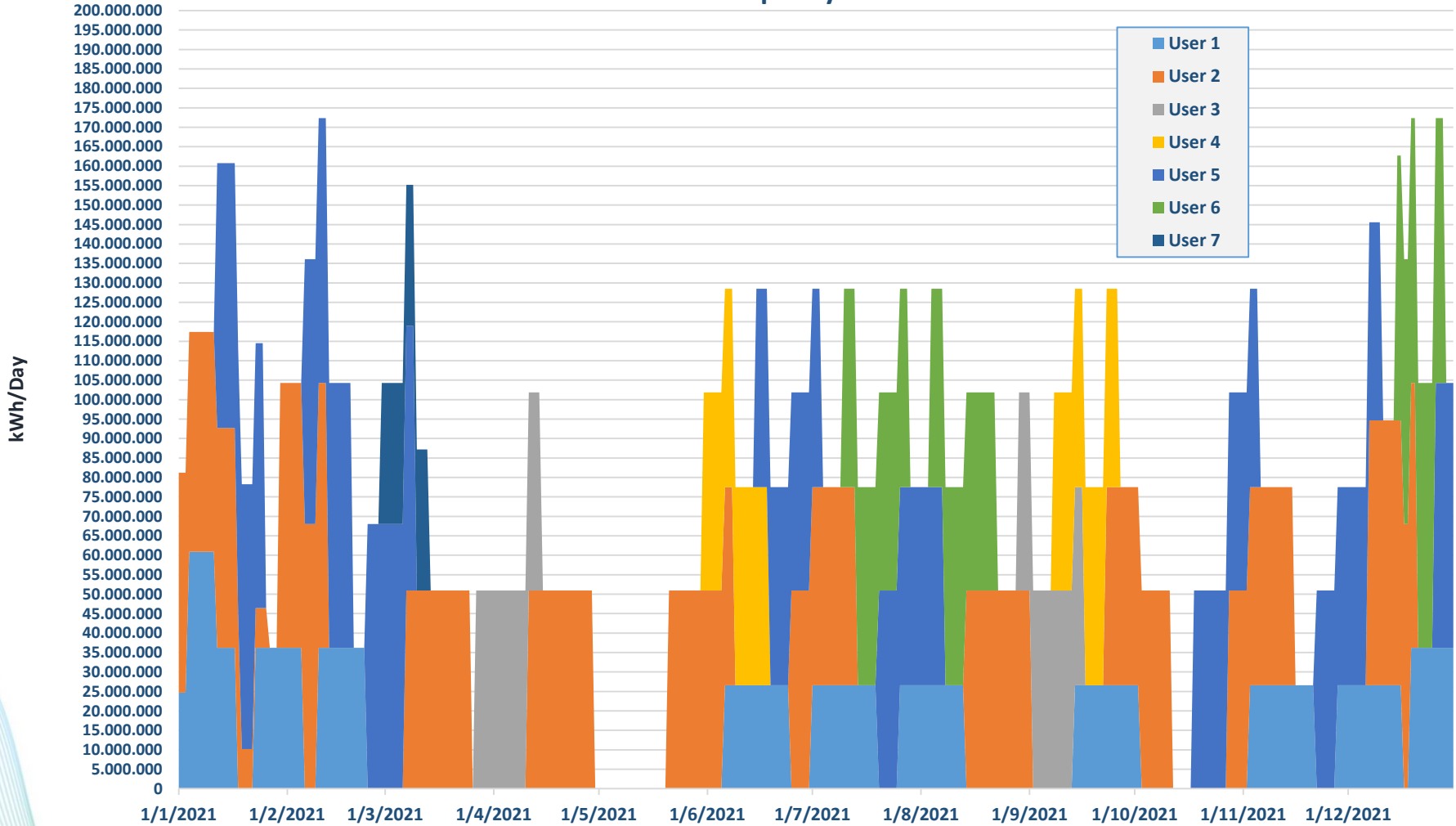
- Average national demand for the last 3 indicate approximately 5 distinct periods of demand
- Each of these demand periods was used to define a Block

Blocks for Year 2021 according to last 3 years Average Consumption



Phase 1 – Allocation of Standard LNG Slots

LNG Capacity



Phase 2 – Allocation of Complementary capacity

➤ Users are able to book capacity on an annual basis (continuous capacity) by merging the capacity allocated to them through the slot allocation procedure (Phase 1) with the complementary capacity which is allocated to them during the Phase 2 of the auction

➤ All available LNG Capacity (after the allocation of unloading slots) is offered as Complementary Capacity

➤ The Complementary Capacity on offer is calculated as follows:

$$\text{Complementary Capacity} = \text{Technical} - \text{Booked (through slots)} - T$$

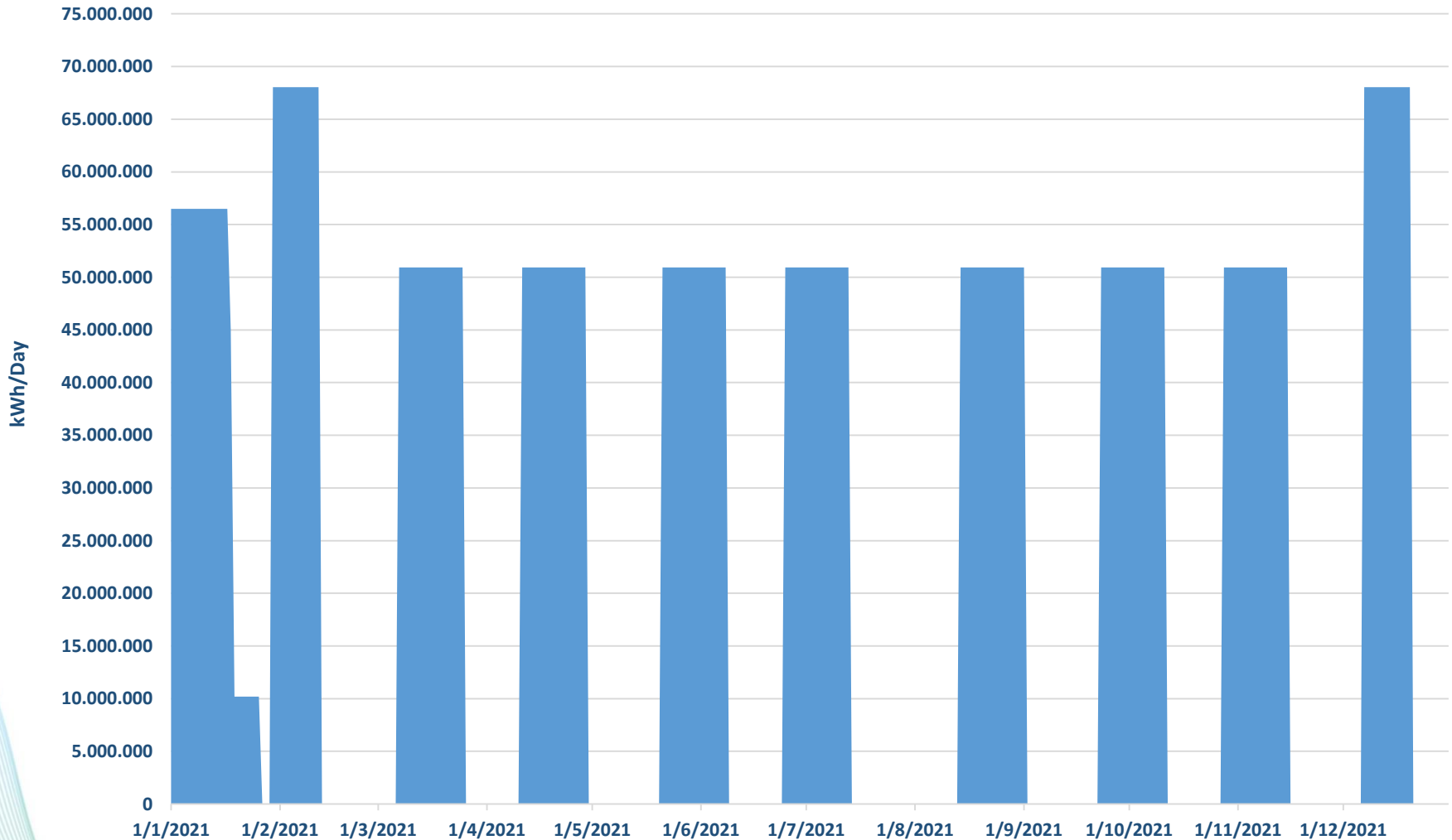
where *T*: any capacity reserved by DESFA for operational reasons

➤ The complementary capacity is offered through auctions:

- Only Users who were allocated at least 1 unloading slot during the Phase 1 are able to participate in Phase 2
- Auction mechanism: Ascending clock
- Users specify the level of continuous capacity they wish to book during a year

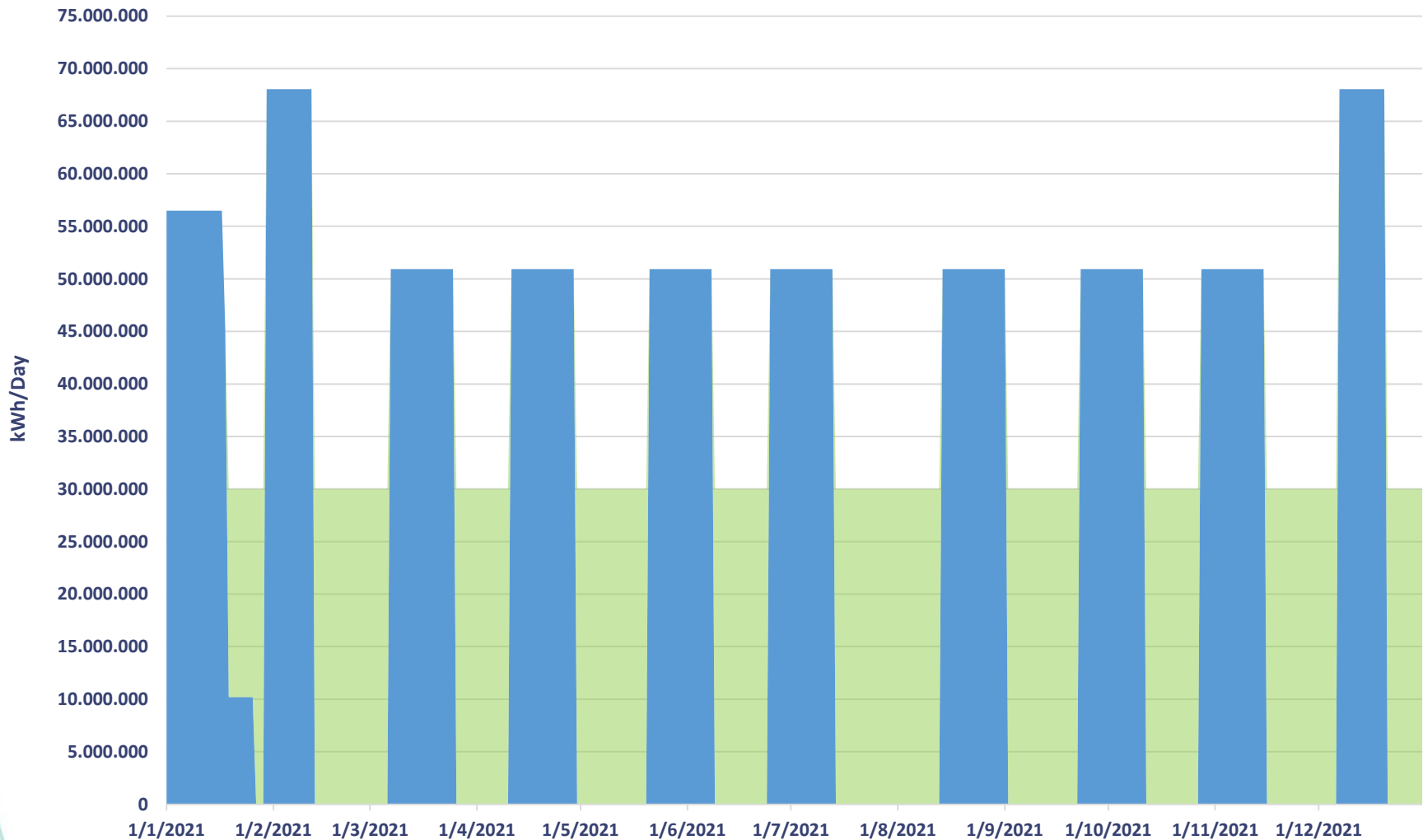
Phase 2 – Allocation of Complementary capacity

User 2 - booked LNG capacity (Phase 1)

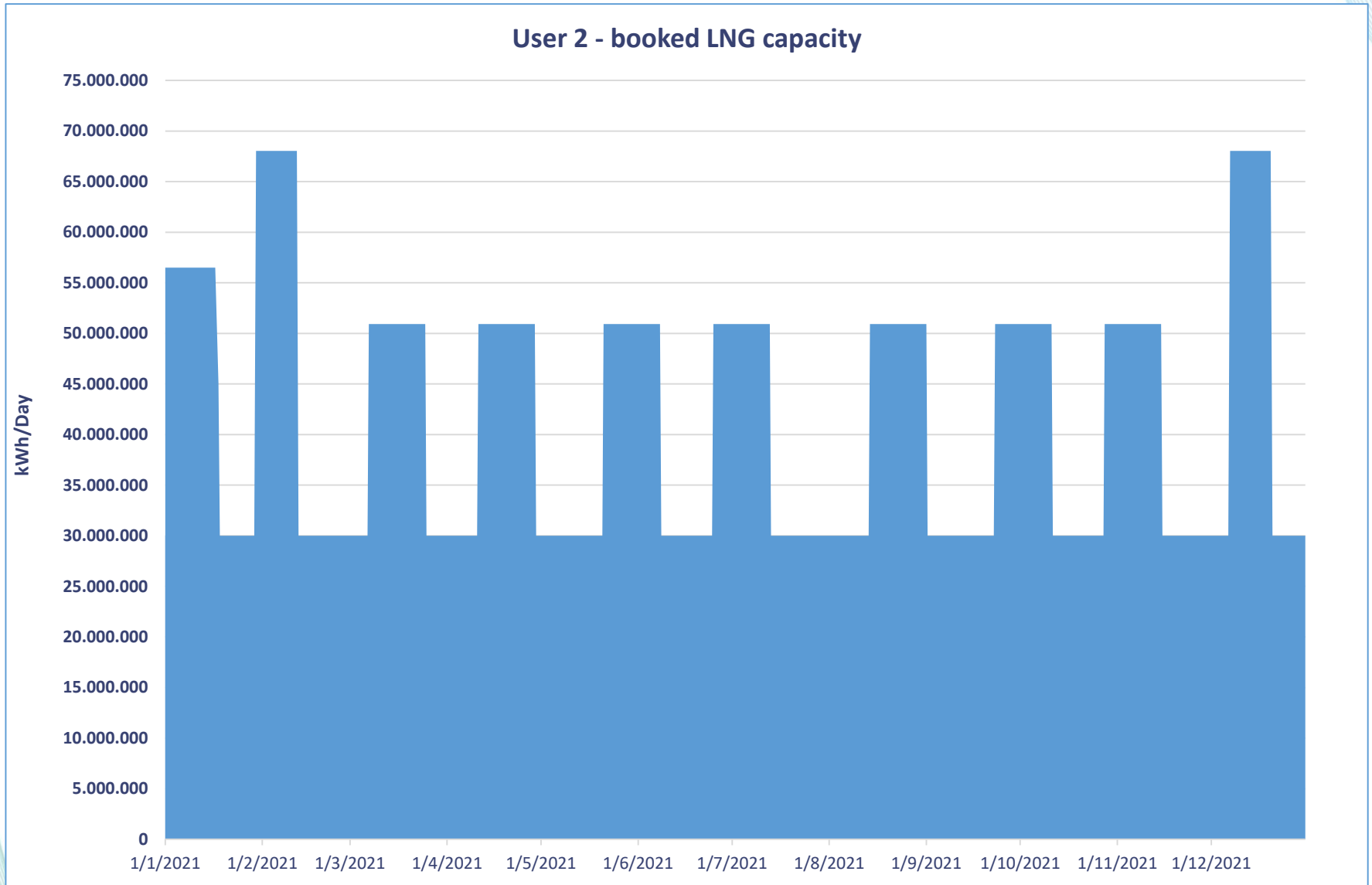


Phase 2 – Allocation of Complementary capacity

User 2 - complementary LNG capacity (Phase 2)

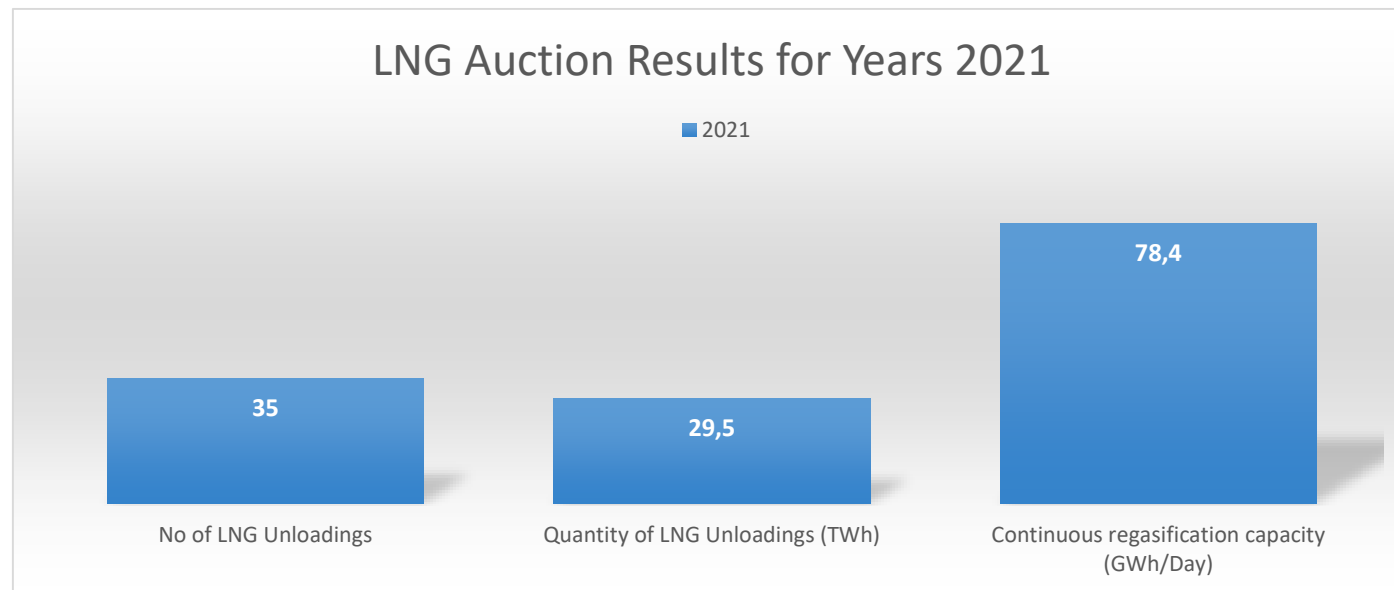


Booked LNG capacity



LNG Auction Results for Year 2021

- 35 out of 46 unloadings (29.5 TWh out of 38.5 TWh) were allocated to seven Users.
- 35 cargoes were scheduled for arrival
- LNG capacity equal to 78.4 GWh/Day was allocated to five Users on an annual basis (continuous capacity)



LNG Auction Results for Years 2022, 2023, 2024

LNG Auction Results – Year 2022

34 out of 46 unloadings (27 TWh out of 38 TWh) were allocated to five Users. LNG capacity equal to 72.4 GWh/Day was allocated to five Users on an annual basis (continuous capacity)

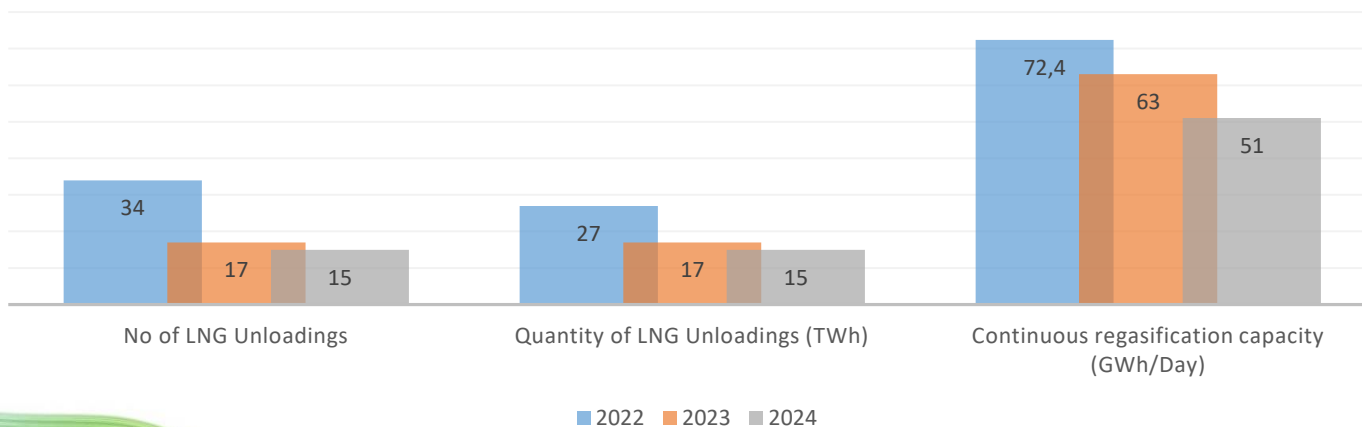
LNG Auction Results – Year 2023

17 out of 45 unloadings (17 TWh out of 37.5 TWh) were allocated to three Users. LNG capacity equal to 63 GWh/Day was allocated to three Users on an annual basis (continuous capacity)

LNG Auction Results – Year 2024

15 out of 45 unloadings (15 TWh out of 37.5 TWh) were allocated to two Users. LNG capacity equal to 51 GWh/Day was allocated to one User on an annual basis (continuous capacity)

LNG Auction Results for Years 2022, 2023, 2024



Thank you for your attention