

1.- REGASIFICATION PLANTS

ENAGAS GTS can vary the destination plant of the vessels affected by this maintenances, with the least impact and as early as possible. Maintenance or restrictions involving pipelines or plants located in the same area of influence won't simultaneously be programmed. Programming is discarded for long-term activities that limit the capabilities of emission or discharge of vessels during the winter period (November 1st to March 31st). The maintenance dates that prevent the loading/unloading, or significantly limit the emission capacity of the Plant, must be viable in the previous monthly schedule. The user term refers indistinctly to the shipper, the direct customer in the market or the final customer. The condition of affection to users will be reviewed each month in the monthly update of this document.

BILBAO PLANT – BBG

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
25th March to 5th April	BBE stop for seawater system maintenance	12 days. Exclusive regasification by submerged combustion vaporizer. Maximum production 200.000 Nm3/h. Completed.	NO	1908
From 6ht to 10th May	High voltage system revision	5 days of duration. Without affecting the emission capacity. Completed.	NO	1909
From 14th to 22nd July	Maintenance to expanded mineral Perlite (cryogenic insulation) of TK FB-103	12 days. TK unavailable for downloads. TK unavailable for production during the hours of work (12 hrs) of each day. It will be coordinated in such a way that it does not affect the scheduled operations of loading or unloading vessels. Completed.	NO	2026



BILBAO PLANT – BBG

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
Throughout the year	Preventive maintenance of unloading arms	Without send out restrictions. It will be coordinated to prioritize loading or unloading scheduled operations of vessels. Completed.	NO	1912
From 21st to 25th, and 28th and 29th october.	Preventive maintenance vaporizers.	7 days. From 08 a.m. to 5 p.m. Maximum emission 630.000 Nm3/h. Completed.	NO	43
Throughout the year	Preventive maintenance of the LNG trucks loading bay	Without send out restrictions. Coordination of these activities is necessary to prioritize the LNG trucks operations. Completed.	NO	1914

SAGUNTO PLANT – SAGGAS

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
From 7th to 17 th April.	Preventive maintenance of the 41K01 main delivery compressor	12 days without operation of the equipment. Necessary emission at least 28 GWh/day. Completed.	NO	1915
16th April	Control system update	8 hrs (from 8:00 a.m. to 4:00 p.m.) without emission, LNG trucks loading, and without loading/unloading ships. Completed.	YES	2013
From 4th to 5 th July.	Maintenance at LNG trucks loading dock	Without LNG trucks loading. From 10:00 p.m. on 04/07 to 05:00 p.m. on 05/07. Completed.	YES	1
26th July	Maintenance at LNG trucks loading dock	Without LNG trucks loading. From 07:30 a.m. to 07:30 p.m. on 26/07. Completed.	YES	2
06th and 07th August	Plant torch maintenance	Plant torch maintenance: Regasification limited to approx. 10.000 Nm3/h from 06 h to 22 h (compressor sending boil off to network). Unavailable download / loading of vessels. Maximum emission 400.000 Nm3/h. Completed.	YES	2027
From 16th to 28th September	Unloading line maintenance	Loading/unloading ships unavailable. It will be coordinated in such a way that it does not affect the scheduled operations of loading or unloading vessels. Completed.	NO	35
From 25th to 27th September	Inspection of catchment pool	Maximum emission 600.000 Nm3/h. Completed.	NO	20



MUGARDOS PLANT – REGANOSA

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
January 23th and 24th	Arms maintenance at LNG trucks loading dock	From 06:00 a.m. to 3:00 p.m.; during this time one of the two bays will stand inoperative. Completed.	NO	1919
March 13th and 14th	Annual preventive maintenance of the instrumentation at LNG trucks loading dock	1 day LNG trucks loading stop from 06:00 a.m. to 3:00 p.m. During this time one of the two bays will stand inoperative. Completed.	NO	1920
May 03rd and 06th	Maintenance at LNG trucks loading dock	One of the two bays of LNG trucks loading will stand inoperative. 03/05, from 10am to 3pm. 06/05, from 11am to 2pm. Completed.	NO	1922
May 14th	Maintenance at LNG trucks loading dock	One of the two bays of LNG trucks loading will stand inoperative, from 06am to 10am. Completed.	NO	2021
June 13th	Maintenance at LNG trucks loading dock	One of the two bays of LNG trucks loading will stand inoperative. 13/06, from 07am to 11:30pm. Completed.	NO	3

MUGARDOS PLANT – REGANOSA

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
29/07 and 01/08	Maintenance at LNG trucks loading dock	One of the two bays LNG trucks loading stand inoperative. 07/29, from 2:00 p.m. to 8:00 p.m. 08/01, from 08:00 a.m. to 02:00 p.m. Completed.	NO	1923
From 5th to 9th August	Revision of the seawater system Safety Loop Testing Maintenance of power supply line	Plant stop from 7:00 a.m. to 7:00 p.m.. Completed.	SI	1924
06 and 08/08	Maintenance at LNG trucks loading dock	2 days with loading LNG trucks interruption from 7:00 a.m. to 7:00 p.m. Completed.	SI	25
11th September	Scales Calibration at LNG trucks loading facilities	LNG trucks loading stop from 08:30 a.m. to 3:00 p.m. During this time the two bays will stand inoperative. Completed.	SI	1925
18 th September	Arms maintenance at LNG trucks loading dock	From 06:00 a.m. to 3:00 p.m. one of the two bays LNG trucks loading stand inoperative. Completed.	NO	1926
6th and 7th November	Arms maintenance at LNG trucks loading dock	1 day LNG trucks loading stop from 6:00 a.m. to 3:00 p.m. During this time the two bays sill stand inoperative. Completed.	NO	1927
17th and 18th December	Arms maintenance at LNG trucks loading dock	1 day LNG trucks loading stop from 7:00 a.m. to 11:00 a.m. During this time the two bays sill stand inoperative. Completed.	NO	1921



BARCELONA PLANT – ENAGAS

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
20th and 21st March	Tests of the control system LNG truck loading (1 loading)	The other 2 loading are available. March 20th, from 8 a.m. to 5 p.m.; March 21st, from 8 a.m. to 2 p.m. Completed.	NO	2000
16th March	Maintenance systems security berth A263.	5 days: without vessels operations at berth A-263. It will be coordinated to prioritize loading or unloading scheduled operations of vessels. Completed.	NO	2001
From 8th to 16th April	MUS BOG A263 installation	9 days: without vessels operations at berth A-263. It will be coordinated to prioritize loading or unloading scheduled operations of vessels. Completed.	NO	1597
From 1st to 18th April	Pool cleaning No. 3 north.	18 days: Max. send out 1.800.000 Nm3/h. Completed.	NO	2006
From 12th to 20th May	Substitution of pressure control valves from plant outlet to R72.	9 days: Max. send out 900.000 Nm3/h. Completed.	NO	1781
From 21st Abril to 19th June	FIL 2501 A seawater filters assembly	40 days: Max. send out 1.800.000 Nm3/h. Completed.	NO	1929



BARCELONA PLANT – ENAGAS

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
From 26th May to 19th June	Flanges/pool collector 3 valves sanitised.	Max. send out 900.000 Nm3/h. Completed.	NO	1928
From 14th to 16th June	LNG truck loading facilities chromatograph sample disassembly. Fase I	3 days: Without LNG trucks loading. From 8:00 p.m. from June 14 to 5:00 p.m. from June 16. Completed.	YES	1883
From 9th to 13th September	Substitution of valve MOV 3916 seawater system of E2200 E	Max. send out 1.050.000 Nm3/h. Completed.	NO	1986
From 9th September to 7th October	Nº5 drawer catchment cleaning	Max. send out 1.500.000 Nm3/h. Completed.	NO	1930
From 12th to 14th September	Seawater outlet lift maintenance	From September 12th at 9:00 a.m. to September 14th at 5:00 p.m. Max. send out 450.000 Nm3/h. Completed.	NO	30
From 17th to 20th September	Substitution indicators of LNG truck loading.	Without loading LNG trucks at reserve dock from 8:00 a.m. to 3:00 p.m. Completed.	NO	10
From 9th to 22th October.	Fender change FMC A-263	Without vesels operations at berth A-263. It will be coordinated to prioritize loading or unloading scheduled operations of vessels. Completed.	NO	1932
2nd and 3rd December	Corrective maintenance of the external electric supply lines.	P. Barcelona works with emergency generators. Maximum emission 250.000 Nm3/h. Loading/unloading ships unavailable. It does not affect LNG trucks loading. From 08 h on 02 Dec until 08 h on 4 Dec. Completed.	YES	261

CARTAGENA PLANT – ENAGAS

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
From 8th to 11th, and from 14th to 18th January	Maintenance in electrical substation	8 days: Export compressors not available. Necessary send out at least to Step 1. Completed.	NO	1987
From 26th to 28th April	Annual preventive maintenance of the instrumentation at LNG trucks loading dock	3 days: the reserve LNG trucks loading dock is unavailable. Available 2 of 3 LNG trucks loading docks. Completed.	NO	2014
From 20th to 31st May	Large scale dock: PX-221A unloading arms inspection and maintenance	14 days: without vessels operations at large berth. It will be coordinated to prioritize loading or unloading scheduled operations of vessels. Completed.	NO	1934
From 3rd to 7th June	Jetty Small Scale: Bunkering interconnections	5 days. Without loading/unloading ships in small berth. Completed.	NO	1782
From 16th July to 03th August	Seawater vaporizer collector sections replacement and repairs. Phase 2, collector B	Max. send out 900.000 Nm3/h. Completed.	NO	1788
31st July	Modification SSD Plant (Small Scale)	From 11 a.m. to 12 a.m.: Without emission, loading/unloading ships and LNG trucks loading dock. Completed.	NO	11
From 28th to 31st October	LNG trucks loading dock: Modification of valves	3 days: the reserve LNG trucks loading dock is unavailable. Available 2 of 3 LNG trucks loading docks. 4th day: LNG trucks loading dock unavailable 2 hrs. Completed.	NO	12
From 14th October to 2nd november	BO-GNL interconnections exchanger/Change LNG valves to PA-233A/B	From 14th to 24th October Maximum regasification capacity: 450.000 Nm3/h. From 25th to 29th October Maximum regasification capacity: 300000 Nm3 h. From 30th October to 02th November Max regasification capacity: 450000 Nm3/h. Ship load at max. 3,000 m3gnl/h. Finished	NO	1785



CARTAGENA PLANT – ENAGAS

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
From 28th to 31st October	LNG trucks docks: install new shut-off valves (XV) in each of the loaders.	3 days: Without loading LNG trucks at reserve dock from 8:00 a.m. to 5:00 p.m. 4th day: LNG trucks loading dock unavailable 2 hrs. Completed.	NO	1784
15th October	LNG trucks docks scales maintenance	Without loading LNG trucks at reserve dock. Completed	NO	44
From 18 th November to 14th December	Seawater vaporizer collector sections replacement and repairs. Phase 1, collector A	Maximum emission 1.200.000 Nm3/h. Completed	NO	45



HUELVA PLANT – ENAGAS

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
3rd March	Maintenance at LNG trucks loading dock	From 00:00 a.m. to 08:00 p.m.; during this time two of the three bays will stand inoperative. Completed.	YES	1994
7th May	Dismantling of phase I equipment and internal change MOV-8604	3 days: Without vessel unloading. It will be coordinated to prioritize loading or unloading scheduled operations of vessels. Completed.	NO	1792
31st May from 2nd June	Change of lock LNG loading dock B.	Without LNG trucks loading. From 00:00 h from Friday 31/05 to 24:00 h on Sunday 02/06. Completed.	YES	1795
3rd and 4th November	Seawater collector II inspection	From 6:00 p.m. on 3rd at 6:00 p.m. on 04th November. Max Emission 600.000 Nm3/h. Completed	NO	48
10th November	Maintenance at LNG trucks loading dock	From 00:00 a.m. to 02:00 p.m.; during this time two of the three bays will stand inoperative. Completed.	YES	152
From 26th November to 1st December	Phase III equipment dismantling. VAM PA-103	Maximum emission 900.000 Nm3/h. Completed.	NO	1939

2.- TRANSPORT: PIPELINES

2.1. Desviations – Direct Insertions

Definitive dates as well as possible restrictions for delivery grids will be noticed before each monthly operation plan. In all cases it exists the gas pipeline or branch affection and it can be estimated a duration between 1 and 6 days in each intervention.

The affection to the specified production resources is inevitable because they have to adapt their emission to the demand in the intercepted section. Generally, operations that impose significant restrictions on transport during the winter period (1st November to 31st March) are not viable.

Maintenance or operations that involve restrictions on gas pipelines or entry points in the same influence area are no combined. The user term refers indistinctly to the shipper, the direct customer in the market or the final customer. The condition of affection to users will be reviewed each month in the monthly update of this document.

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
From 27th to 31st May	RAB -00 45 bar Avda. la Catalana. Nedgia.	It is necessary to redistribute the contribution of the positions to the network 45. Completed.	NO	1978
13th and 14th November	Variant in the gas pipeline RAB-A9.03 (36 bara). Nedgia	Variant in the gas pipeline RAB-A9.03 (36 bara). Nedgia. The area must be powered by the RAA-A10 network (17 bara). It affects the flow increase in the A9.03 Cogullada and A10 Zaragoza ERMs. Completed.	NO	153

2.2. New Connections

Definitive dates as well as possible restrictions for delivery grids will be noticed before each monthly operation plan. In all cases it exists the gas pipeline or branch affection and it can be estimated a duration between 1 and 6 days in each intervention.

The affection to the specified production resources is inevitable because they have to adapt their emission to the demand in the intercepted section. Tentative dates are indicated. In the case of load taps, the welding works of accessories and drill may require determined gas velocity and pressure conditions, which may cause restrictions in the gas flow and, therefore, in the transport in this area.

Maintenance or operations that involve restrictions on gas pipelines or entry points in the same influence area are no combined. The user term refers indistinctly to the shipper, the direct customer in the market or the final customer. The condition of affection to users will be reviewed each month in the monthly update of this document.

TENTATIVE DATE MAINTENANCE		PERIOD/LIMITATION	USERS AFFECTION	REF NUM
16th January	Modification pig trap pos. Torrijos F26XA.2.1	Duration: 1 day. Without affection. For future Torrijos-Talavera 10" ILI Inspection. Completed.	NO	1947
12th February	ERM- Pos. O02 Mieres. Restart flow to distribution network.	Once the network repair works have been completed by the Distributor. Distribution network with several entry points. Completed.	NO	1992
13th March	New position K11.10 Arcos de la Frontera from the branch to the C.C.C. of Iberdrola (Cádiz).	2 days. Insertion of the position. Without affecting customer. Completed.	NO	1983
25th March	UM pos. 45EM Arrigorriaga. Replacing the Line B inlet valve	Needs approx. 5 hrs without flow through the UM. It is matched with operation P. BBG reference 1908. Completed.	NO	2004
From 25th March to 2nd April	UM pos. 45EM Arrigorriaga. Review of the MUS Line B.	Line B unavailable. Maximum flow per L-A approx. 460,000 Nm ³ / h. It is matched with operation P. BBG reference 1908. Completed.	NO	2005

2.2. New Connections

TENTATIVE DATE MAINTENANCE		PERIOD/LIMITATION	USERS AFFECTION	REF NUM
1st April	Modification pig trap pos. 35 Haro	1 day. Without affection. For future Haro-Villamayor 26" ILI Inspection. Completed.	NO	2008
2nd and 3rd April	Modification pig trap pos. G04 Lumbier	Without affection. For future Lumbier - Villar de Arnedo 26" ILI Inspection. Completed.	NO	2009
29th and 30th May	ERM- Pos: 15.20.06 Mallorca: Corrective exchanger and retimbing tests	1 day per line. Unavailability of the reservation line. Completed.	NO	1993
From 22th to 25th June	Position 41.03.D Zaldibia. Provisional repair with plidco 26 ".	Provisional repair with plidco 26" pos. 41.01.D Legazpia - 41.03.D Zaldibia. Necessary to decrease pressure to 45 bara. Without flow by CI Irún. Completed.	NO	5
27th and 28th June	Position G07.02 Puente la Reina. Provisional repair with plidco 14 ".	Provisional repair with plidco 14" branch Falces-Erice (G07 - G07.03), PK 29. It was necessary to decrease pressure to 45 bara. Completed.	NO	6
From 19th to 21st August	Modification pig trap pos. D07 Villapresente	Without affection. For future Villapresente - Llanera 16"" ILI Inspection. Completed.	NO	31
22 August	Modification pig trap pos. D16 Llanera.	For future Villapresente - Llanera 16"" ILI Inspection. It is not possible to act on knot valves during welding. Completed.	NO	32
26th and 27th August	Modification pig trap pos. B10 Aranda de Duero.	Without affection. For future Aranda - Soria 12" ILI Inspection. Completed.	NO	33

2.2. New Connections

TENTATIVE DATE MAINTENANCE		PERIOD/LIMITATION	USERS AFFECTION	REF NUM
27 th August	ERM F26A Alameda de la Sagra. Repair in the odorizing injector	It is supplied to the network by means of a high pressure hose connected between the ERM and the downstream of the distribution root valve. There isn't effect on the distribution network. Completed.	NO	27
3th September	Modification pig trap pos. K52 Zarza de Tajo.	Without affection. For future Zarza de Tajo - Cuenca. 12" ILI Inspection. Completed.	NO	34
From 15th to 16th September	Position 41.03.D Zaldibia. Definitive repair 26 ".	Definitive repair 26" pos. 41.01.D Legazpia - 41.03.D Zaldibia. Necessary to decrease pressure to 45 bara. Without flow by CI Irún. Completed.	NO	38
17 th and 18th September	Position G07.02 Puente la Reina. Definitive repair 14 ".	Definitive repair 14" Falces-Erice (G07 - G07.03), PK 29. It was necessary to decrease pressure to 35 bara. Completed.	NO	39
26th September	Pos. 15.31.4 Lorca. Installation male valve in Mov-31 and 32 bypass	Without flow Cartagena <> Almería and closed valves. Completed.	NO	42
From 11th to 15th November	Pos. N10 Badajoz. Modification of the Enagás-REN signal exchange. Remote control activation of reversibility valves.	Possible communications cuts. 12th November: Without flow through CI Badajoz from 9 am to 6 pm. Completed.	NO	54
From 25th to 27th November	ERM Pos. S01 Herrera. ERM outlet insulating gasket repair	The distribution networks of Nedgia de Puente Genil, Herrera and Estepa will connect with hoses from the exit of lines. 11/25 Test hoses. 11/26 intervention (resin) and drying. 11/27 verification drying. Completed.	NO	256
16th December	Pos. 15.06A Cabanes Norte. Waytees welding for future EM	Without affection. Completed.	NO	1985

2.3. Compression Stations

Definitive dates will be noticed before each monthly operation plan. In the compression facilities its necessary to carry out the maintenance and verification labors of the turbocompressors. These tasks are normally performed on the reserve units implying the unavailability of themselves, but without impact over the EC operation.

Maintenance or operations that involve restrictions on gas pipelines or entry points in the same influence area are no combined. The user term refers indistinctly to the shipper, the direct customer in the market or the final customer. The condition of affection to users will be reviewed each month in the monthly update of this document.

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
05th February	EC Alcázar: Communications work adequacy Control System	1 days: Unavailability Total. Completed.	NO	1990
From 22th to 26th February anf from 15th to 21st March.	EC Lumbier: generator set fault	If the power supply is interrupted, stop the EC. Completed.	NO	1997
2nd April	EC Coreses: Communications work adequacy Control System	1 days: Unavailability Total. Completed.	NO	2007
22nd May	EC Algete: Communications work adequacy Control System	1 days: Unavailability Total. Completed.	NO	2017
05th June	EC Paterna: Communications work adequacy Control System	1 days: Unavailability Total. Completed.	NO	2023
2th July	EC Almodóvar: Control system update	There is the possibility of EC Unavailable (max. 1 or 2 hrs). Completed.	NO	9

2.3. Compression Stations

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
04th July	EC Alcázar: Corrective maintenance of actuator Mov-1103 TC-1.	Unavailability EC. Completed.	NO	8
16th and 18th July	EC Crevillente: Control system update	There is the possibility of EC Unavailable (max. 1 or 2 hrs). Completed.	NO	21
31st July	EC Alcázar. Control system update	There is the possibility of EC Unavailable (max. 1 or 2 hrs). Completed.	NO	22
07th August	EC Coreses. Control system update	There is the possibility of EC Unavailable (max. 1 or 2 hrs). Completed.	NO	23
11th September	EC Haro. Control system update	There is the possibility of EC Unavailable (max. 1 or 2 hrs). Completed.	NO	40
From 21st to 28th October	EC Lumbier: maintenance and testing FCV	Assembly 21 and 22/10: assembly of interns. 10/23 Local test. 10/28 Local and distance tests. FCV Unavailable. Completed.	NO	2022
29th October	EC Euskadour: Mantenimiento de sistemas de alta tensión	EC Euskadour stop during maintenance. Agreed with Terega transport at a rate of 30 GWh from 06 a.m. to 6 p.m. (EC stop); rest of the day rhythm of 60 GWh / day (EC in progress). Completed.	NO	49



2.3. Compression Stations

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
7th November	EC Almodóvar: noise measurements.	EC operation necessary; several time slots (4:30 p.m. at 6:00 p.m.; 6:00 p.m. at 7:30 p.m.; 11:30 p.m. at 1:00 a.m.). Completed.	NO	2028
15th Novembre	EC Almendralejo. Control system update	There is the possibility of EC Unavailable (max. 1 or 2 hrs). Completed.	NO	41
4th December	EC Zaragoza. Control system update	There is the possibility of EC Unavailable (max. 1 or 2 hrs). Completed.	NO	259
17th and 18th December	EC Montesa. Control system update	There is the possibility of EC Unavailable (max. 1 or 2 hrs). Completed.	NO	258

2.4. Inspections in service

Definitive dates will be noticed before each monthly operation plan. In all cases there could be impact on entrypoints and/or transport because they have to adapt the speed of gas to the inspection needs. The definitive speeds are function of the deliveries and real pressures of the system.

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TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
11th February	Torrijos-Talavera 10": ILI Inspection	5 days: Optimal speed 1 - 3m/s. Completed	NO	1991
18th February	Pontevedra - Amoeiro 10": ILI Inspection	4 days: Optimal speed 1 - 3m/s. Completed	NO	1948
4th to 7th, 12th to 15th and 18th February	Zaragoza - Calatayud 10": ILI Inspection	Optimal speed 1 - 3m/s. Completed	NO	1981
From 6th to 09th May	Lumbier-Villar Arnedo 26": ILI Inspection	2 days of that period: Optimum speed 1 - 2.5 m/s. Necessary flow rates of approx. 200.000 Nm3/h by C.I. Larrau for approx. 12 h/day. Completed.	NO	1952
From 13th to 16th May	Haro - Villamayor 26": ILI Inspection	2 days of that period: Optimum speed 1 - 2.5 m / s. Necessary flow rates of approx. 200.000 Nm3/h in the ILI section. Completed.	NO	1953
1st and 2nd october	Bermeo - Lemona 16": ILI Inspection	Optimum speed 1 - 3m/s. Necessary injection in AS Gaviota. Completed.	NO	1957
From 7th to 9th October	Córdoba - Martos 16": ILI Inspection	Optimal speed 1 - 3m/s. Completed.	NO	1955

2.4. Inspections in service

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
From 14th to 17th October	Algete - Alpedrete 16": ILI Inspection	Optimal speed 1 - 3m/s. Completed.	NO	1956
From 4th to 14th November. From 11th to 14th December	Llanera - Villapresente 12": ILI Inspection - Pre-cleaning Campaign and ILI Inspection	Cleaning campaign: from 4th to 14th November Caliper_MFL: from 11th to 14th December Optimum speed 1 - 3m / s. Completed.	NO	1951
From 25th to 29th November	Zarza de Tajo-Cuenca 12": ILI Inspection	Optimal speed 1 - 3m/s. Completed.	NO	1950
From 2nd to 6th December	Aranda - Soria 12": ILI Inspection	Optimal speed 1 - 3m/s. Completed.	NO	1949
10th, 12th, 17th and 26th December.	Reganosa. Pos 01.1A Cabanas a pos. 03B Abegondo. ILI 26 "	4 pigs. Optimum speed 0.3 to 3 m / s. P. Reganosa must adjust its emission to the requirements of the ILI and the needs of the System. Completed.	NO	2024

3.- UNDERGROUND STORAGES

In the case of AASS, it is necessary to carry out the pressure and temperature logging processes at the bottom of wells, as well as tests of the safety system and downhole valves, operations that imply unavailability for approximately 1 day.

Definitive dates will be noticed before each monthly operation plan. Maintenance or operations that involve restrictions on gas pipelines or entry points in the same influence area are no combined. The user term refers indistinctly to the shippers, the direct customer in the market or the final customer. The condition of affection to users will be reviewed each month in the monthly update of this document.

A.S. GAVIOTA

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
25th and 26th March	Measurements of emissions and noise	Necessary withdrawal approx. 47 GWh/day. Completed.	NO	2003
28th and 29th March	Offshore Platform: Leak Tests Bottom Valves and Wellheads	2 days: Total unavailability Injection/Withdrawal. At the end of the extraction campaign. Completed.	NO	1958
From 05th to 14th August	Offshore Platform: Xmas Tree fittings change and lubrication campaign	Unavailability Injection and Withdrawal. Completed.	SI	1959
1st June to 15th October	Treatment Plant: Overhaul cold compressor GF-2A	Unavailability Withdrawal. Completed.	NO	1820
26th and 27th November	Offshore Platform: Leak Tests Bottom Valves and Wellheads	2 days: Total unavailability Injection/Withdrawal. At the end of the injection campaign. Completed.	NO	1961

A.S. SERRABLO

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
23th January	TEG regeneration unit repair	8 days: Withdrawal capacity 30 GWh/d. Completed.	YES	1988
13th February	Testing water treatment equipment	10 days: necessary withdrawal for tests. Completed.	NO	1989
4th March	Aurin Wells: Leak Tests Bottom Valves and Well Heads	3 days: Partial unavailability Injection/Withdrawal. Completed.	NO	1962
18th March	Aurin Wells: Retrievable Wireline Bottom Valve Change	7 days: Total unavailability Aurin. Completed.	YES	1822
25h March	Jaca 2 and Jaca 17: compressor test	4 days. Necessary injection (approximately 36 GWh in total). Completed.	NO	1999
1st and 2nd April	Jaca Wells: Leak Tests Bottom Valves and Well Heads	2 days: Partial unavailability Injection/Withdrawal. At the end of the extraction campaign. Completed.	NO	1998

A.S. SERRABLO

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
From 27th to 31st May	Measurement fugitive emissions and Jaca compressor test	5 days: injection is necessary. Completed.	NO	2010
13rd and 14th May	Substitution of methanol and process valves.	2 days: Injection A.S. Serrablo unavailable. Completed.	NO	2031
From 7th to 14th June	Jaca17 Well: repair TC seal Jaca 17.	Injection in Jaca 17 unavailable. Completed.	YES	2030
From 19th to 28th June	Jaca17 Well: Failure skid seals TC	Injection in Jaca 17 unavailable. Injection unavailability 15 GWh/day. Completed.	YES	7
From 14th to 18th October	Aurin Wells and Jaca Wells: Leak Tests Bottom Valves and Well Heads	5 days: Partial unavailability Injection/Withdrawal. At the end of the injection campaign. Completed.	NO	1965

A.S. YELA

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
23th January	Communications work adequacy Control System	1 days: Unavailability Total. It can be moved to another date if the System requires it. Completed.	NO	1984
20th and 21st February	Measurement fugitive emissions	Need withdrawal min. 18 GWh / day. Completed.	NO	1996
26th March	Electrical Substation Discharge	3 days: Unavailability Injection. Completed.	NO	1970
09th May	Verification equipment monitoring compressors	1 day: Injection is necessary. Completed.	NO	2018
From 17th to 19th June	Verification of the measures for the reduction of vibrations in compressor C-01D	3 days: Injection is necessary. Completed.	NO	2029
27th June	Discharge of electrical substation for installation of disconnecter.	1 day: Unavailability Injection. Completed.	NO	2032
From 31st July to 15th August	Injection tests	Necessary injection (between 26 to 47 GWh/day). Completed	NO	24
5th December	Wellhead inspection	A.S. Yela unavailable from 06 a.m. to 8 p.m. Completed.	NO	262

A.S. MARISMAS

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
April	Biannual maintenance	1 month. AS 100% unavailable. Completed.	YES	1967
May and June	Workover works in the wells.	Until the conclusion of the workover work, max. injection 2 GWh/day. Completed.	YES	1969
October	Biannual maintenance	1 month. AS 100% unavailable. Completed	YES	1968

4.- INTERNATIONAL CONNECTIONS AND FIELDS

C. I. TARIFA

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
There are no scheduled operations with impact on the capacity of this connection. Interventions on reserve equipment are planned on the EMPL side.				

C. I. MEDGAZ

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
5 th March	URMF Almería: Communications work adequacy Control System	3 days intermittent communications cuts. 1 day, during working hours, ERM in local. Completed.	NO	1995
From 17th to 19th September	Maintenance of the vent system at the compression station and manual valves at the receiving station.	Transport interruption 38 hrs (from 23 h of 17/09 to 13 h of 19/09). Completed.	YES	1971



4.- INTERNATIONAL CONNECTIONS AND FIELDS

C.I. LARRAU (For operations on the French side see the adjacent operator's website: www.terega.fr)

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
See Inspections in service nº Ref 1952: "From 6th to 09th May. Lumbier-Villar Arnedo 26": ILI Inspection. 2 days of that period: Optimum speed 1 - 2.5 m/s. Necessary flow rates of approx. 200.000 Nm3/h by C.I. Larrau for approx. 12 h/day. Without commercial affection". Completed.				
From 27th May to 28th June	Various works of GRTGaz and Terega in the French system.	Maximum capacity of the VIP Pyrenees in the direction France > Spain is 175 GWh/day. Completed.	YES	2019
From 1st July to 1st August	Various works of GRTGaz in the French system.	Maximum capacity of the VIP Pyrenees in the direction France > Spain is 175 GWh/day. Completed.	YES	2020
From 16 th to 20th Septembrer	Terega. EC Mont maintenance	Without impact on transport capacity in C.I. Larrau. Completed.	NO	37
17th, from 23th to 27th, and 30th September	Various works of GRTGaz in the French system.	Maximum capacity of the VIP Pyrenees in the direction France > Spain is 175 GWh/day. Completed.	YES	26

4.- INTERNATIONAL CONNECTIONS AND FIELDS

C.I. IRUN (For operations on the French side see the adjacent operator's website: www.terega.fr)

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTATION	REF NUM
		See C.I. Larrau nº Ref 2019: "From 27th May to 28th June. Various works of GRTGaz and Terega in the French system. Maximum capacity of the VIP Pyrenees in the direction France > Spain is 175 GWh/day". Completed.		
		See 2.2 New Connection nº Ref 5: "From 22th to 25th June. Position 41.03.D Zaldibia. Provisional repair with plidco 26 ". Without flow by CI Irún". Completed.		
		See C.I. Larrau nº Ref 2020: "From 1st July to 1st August. Various works of GRTGaz in the French system. Maximum capacity of the VIP Pyrenees in the direction France > Spain is 175 GWh/day". Completed.		
		See 2.2 New Connection nº Ref 38: "From 15th to 17th September. Position 41.03.D Zaldibia. Definitive repair 26 ". Without flow by CI Irún". Completed.		
		See C.I. Larrau nº Ref 26: "17th, from 23th to 27th, and 30th September. Various works of GRTGaz in the French system. Maximum capacity of the VIP Pyrenees in the direction France > Spain is 175 GWh/day". Completed.		
27th and 28th November	Maintenance pos. Urrugne Terega	Without flow through CI Irún from 08 a.m. to 5 p.m. No commercial condition. Completed.	NO	257

CC.II. BADAJOZ Y TUY (For operations on the Portuguese side see the adjacent operator's website: www.ren.pt)

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
From 17th June to 25th September	C.I. Tuy: Maintenance FCVs	There is always 1 of the 2 FCVs available. Maximum flow rate 100.000 Nm ³ /h. Completed.	NO	2016

YACIMIENTO VIURA

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
11th March	Testing and certification trscsssv,xmas tree, hipps and bdv's	5 days. Without emission. Completed.	YES	1972
17th July	Shutter change LCV-1203A	1 day. Without emission. Completed.	YES	29
5th November	General maintenance and control system update	1 day. Without emission. Completed	YES	53

YACIMIENTO POSEIDON

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
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There are no scheduled operations affecting the daily capacity of this field.

BIOMETANO VALDEMINGOMEZ

TENTATIVE DATE	MAINTENANCE	PERIOD/LIMITATION	USERS AFFECTION	REF NUM
From 25th to 28 th February	Preventive	7 days. 100% unavailable. Completed.	YES	1975
From 10th to 16th June	Preventive	7 days. 100% unavailable. Completed.	YES	1976
From 24th to 26th September	Preventive	12 days. 100% unavailable. Completed.	YES	1977