



National Fuel[®]

National Fuel Gas Supply

Spring 2022 NGA
Presentation

System Overview

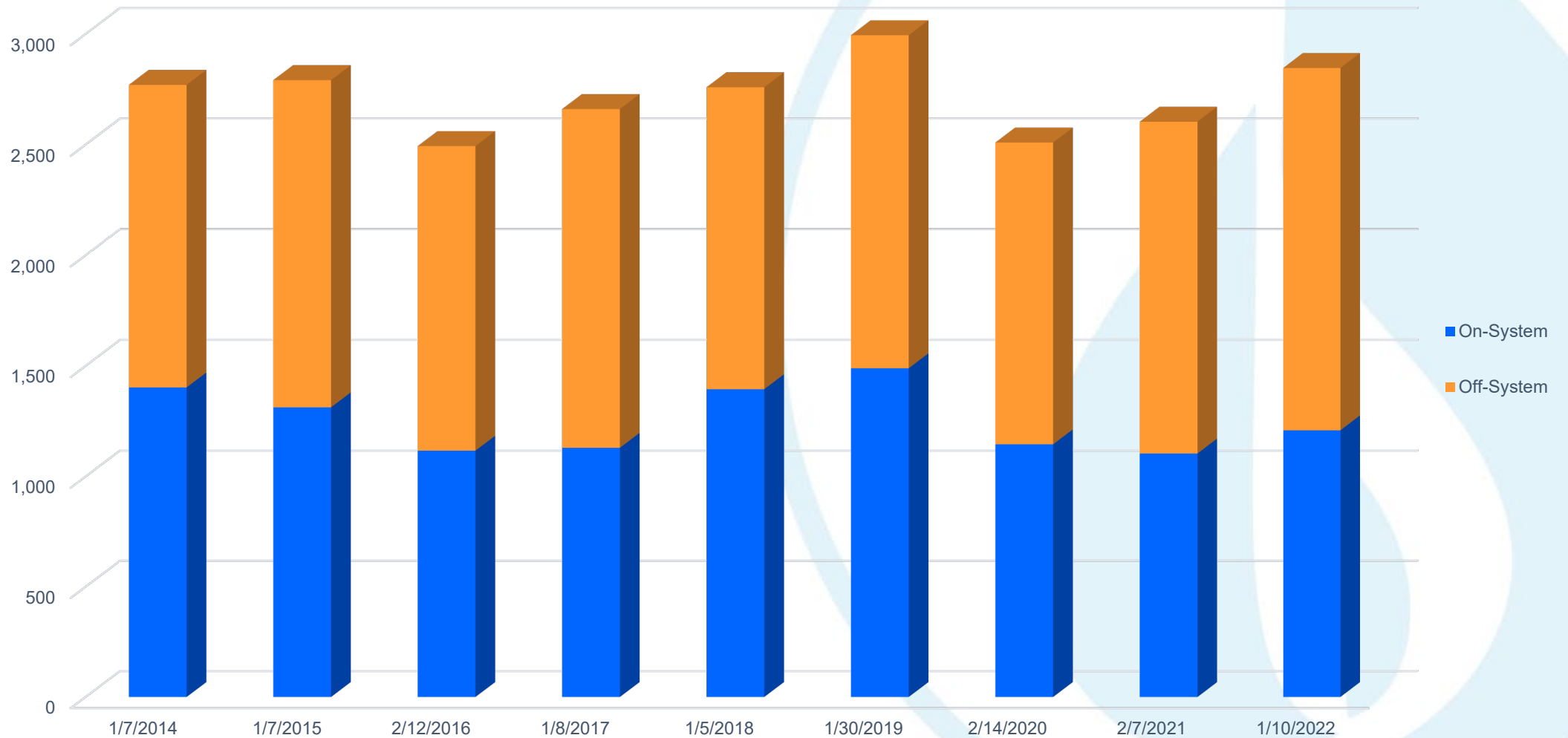
The background is a solid blue color. On the right side, there are several overlapping, semi-transparent white and light blue shapes that resemble stylized leaves or abstract organic forms. A large, faint white circle is also visible, partially overlapping the other shapes.

Spring 2022 NFGSC System Overview

Weather and Throughput Statistics

• Winter Operations	10/1/21-3/31/22
• Peak Day Throughput 1/10/22	2,763 MMCF
• Peak Day Degree Day 1/10/22	49
• Average Degree Day 2021-2022	30
• Average Degree Day 2020-2021	30
• Normal Degree Day	34
• Throughput 10/1/21-3/31/22	347 BCF

NFGSC Peak Day Deliveries (MDth)

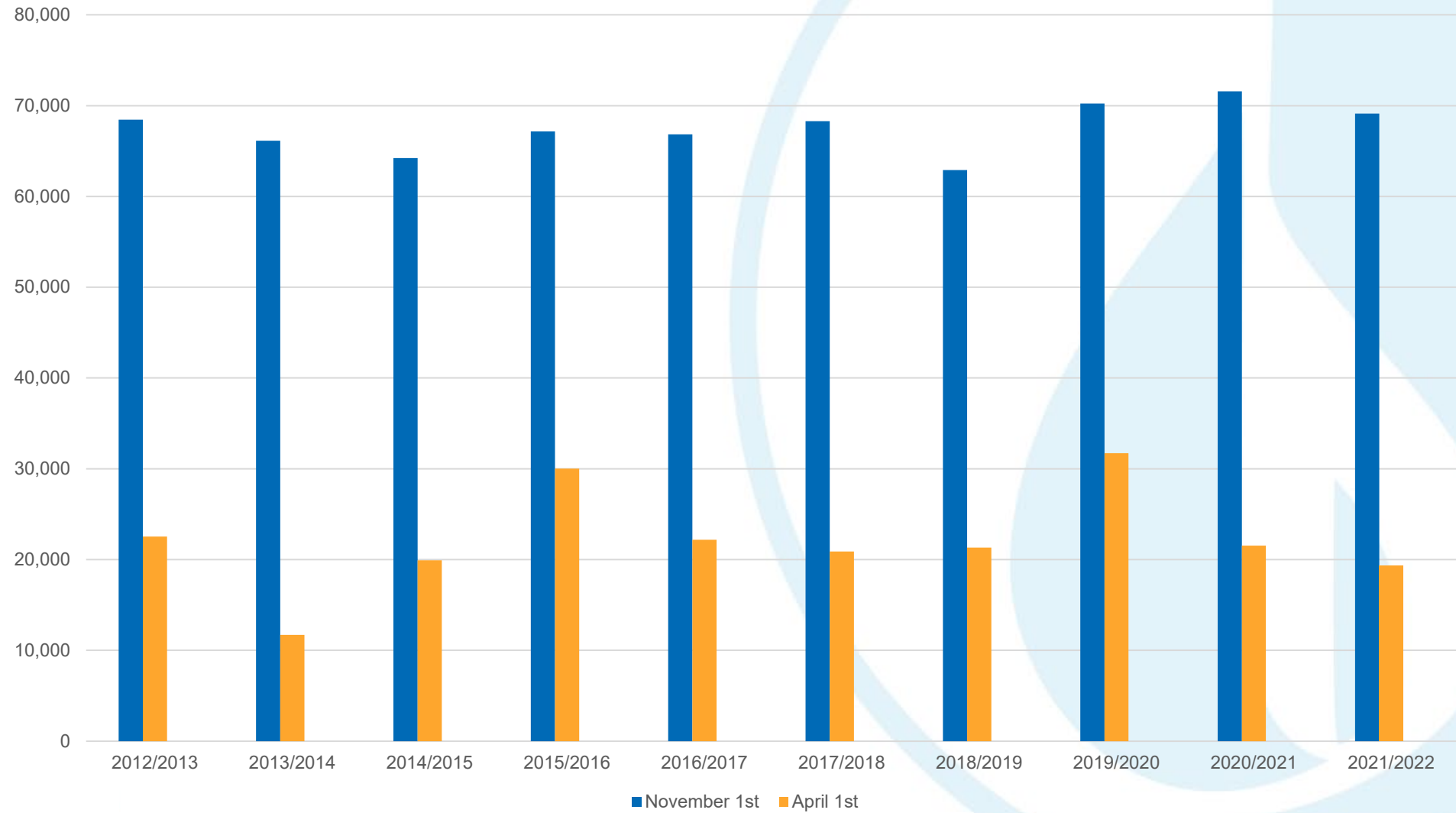


Spring 2022 NFGSC System Overview

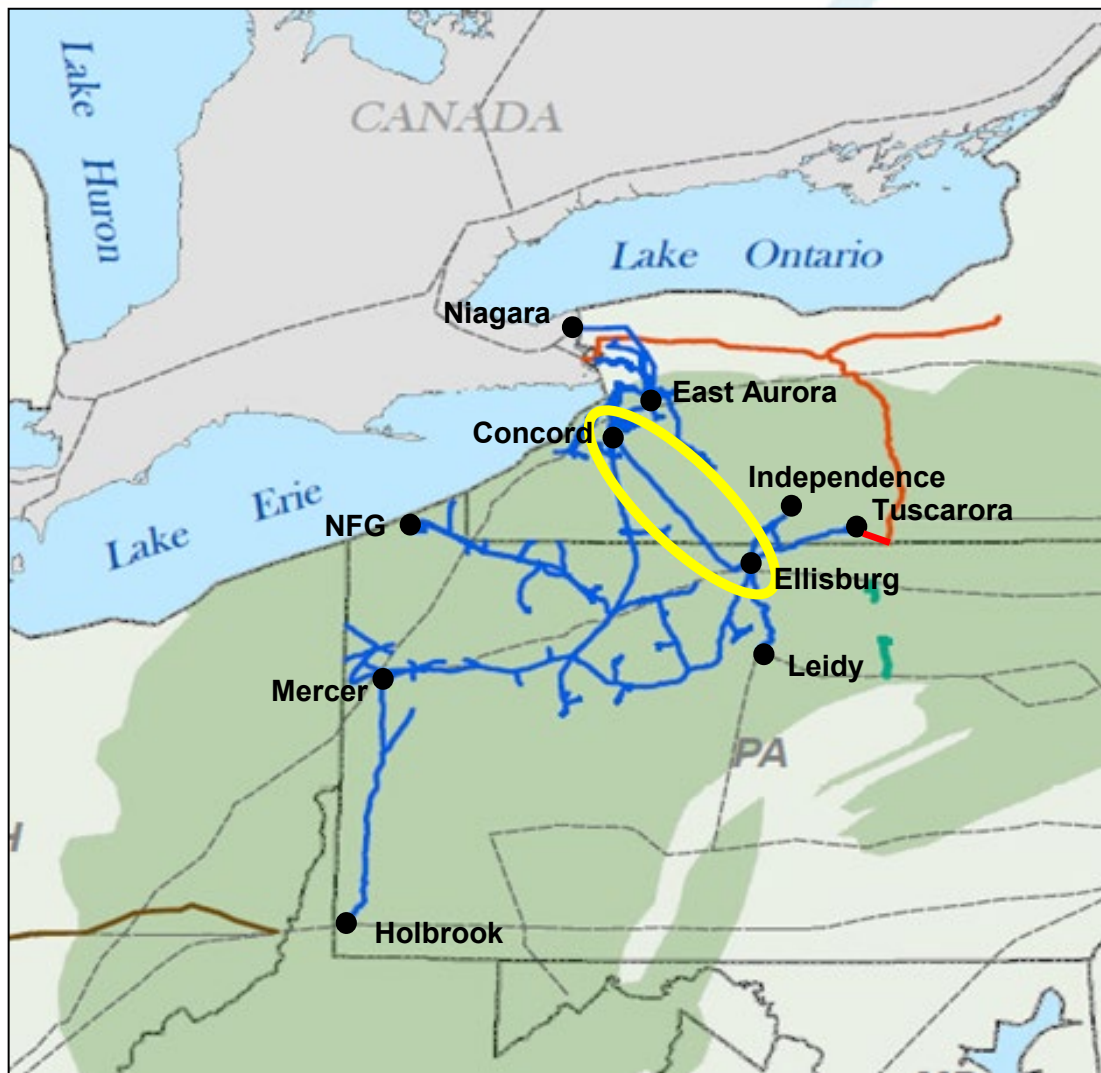
Storage Activities

• Top Gas Capacity	79.1 BCF
• Starting Top Gas 10/1/21	69.1 BCF
• Withdrawn through 3/31/22	49.8 BCF
• Top Gas 3/31/22	19.3 BCF

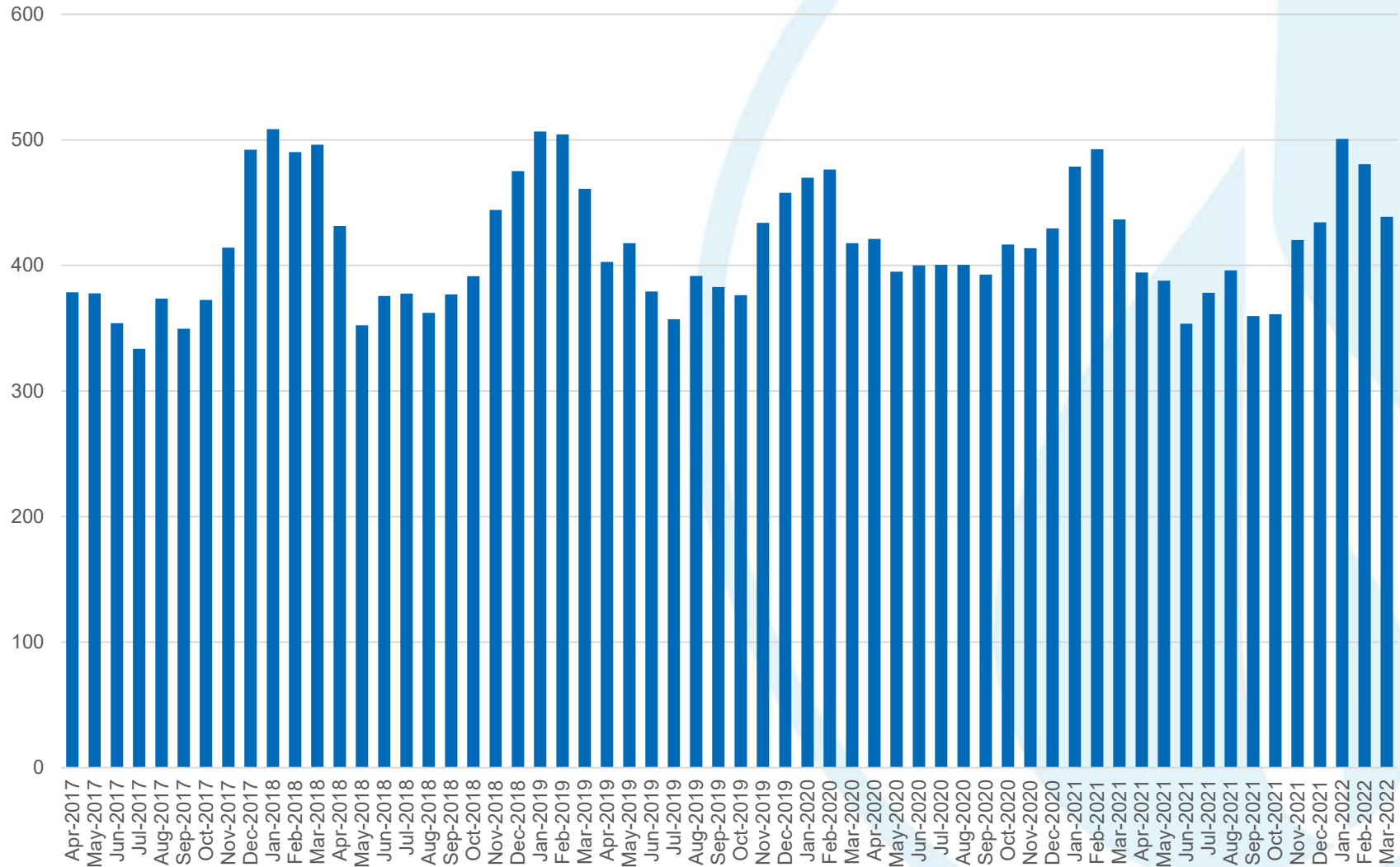
NFGSC Top Gas Storage Inventory (MMCF)



NFGSC Line X South to North



NFGSC Line X South to North



Average Daily Scheduled by Month (MDth)

2022 Construction and Maintenance

Construction and Maintenance Schedule

NATIONAL FUEL GAS SUPPLY

2022 Construction and Maintenance Schedule

Effective Date: 4/20/22

Project	Description	Start Date	End Date	Duration (Days)	Location	Impact	Expected Service Level Impact
FM120 Modernization	Pipeline replacements	3/15/2022	6/15/2022	93	FM120	Production shut in. See critical notice 826993.	Non-Firm
N20 ILI - Buffalo to Holbrook	Integrity assessment	3/29/2022	4/12/2022	4-5	N20	Potential curtailment of deliveries to Holbrook (70015).	Firm
KNYN ILI	Integrity assessment	4/11/2022	4/27/2022	7	KNYN	No impact expected.	None
UM2/XM52 ILI	Integrity assessment	4/18/2022	5/4/2022	7	UM2, XM52	Potential curtailment of receipts at RQ Points (20900).	Non-Firm
Mercer Unit 3 Outage	Compressor maintenance	4/25/2022	5/6/2022	11	Mercer Station	Potential curtailment of non-firm deliveries to Mercer (to TGP) (412888)	Non-Firm
2022 Line X ILI	Integrity assessment	5/12/2022	5/17/2022	6	XS, YM50, YM224	Impact to firm services & leases through Concord South to North constraint. See critical notice 846457	Firm
GM97 Piggability Improvement Project	Facility upgrades	May 2022	Jul 2022	70	GM97, KPA	Potential impact to production.	Non-Firm
KNYN Outage at TNY Bypass	Facility modifications	5/9/2022	5/18/2022	10	KNYN	No scheduling impact expected.	None
Porterville Modernization	Station modernization	5/30/2022	9/1/2022	TBD	Porterville Station	Curtailment of receipts at RQ Points (20900).	Non-Firm
Line UNY Elma Replacement	Pipeline replacements	Jun 2022	Jul 2022	TBD	UNY	Curtailment of receipts at RQ Points (20900).	Non-Firm
Phillipsville Line D Valve Maintenance	Facility upgrades	Jun 2022	Aug 2022	5	D	High pressure deliveries to ESNE-Energy Systems North East (NOR2702) unavailable.	Non-Firm
RM32 and TM2 Replacements	Pipeline replacements	Jun 2022	Sep 2022	TBD	RM32, TM2	Receipts at Nashville (420243) limited to primary only.	Non-Firm

Construction and Maintenance Schedule

NATIONAL FUEL GAS SUPPLY

2022 Construction and Maintenance Schedule

Effective Date: 4/20/22

Project	Description	Start Date	End Date	Duration (Days)	Location	Impact	Expected Service Level Impact
KPA/AM60 ILI	Integrity assessment	Jun 2022	Aug 2022	5	KPA	Potential curtailment of receipts at Lamont (420072). Production on KPA and AM60 shut in.	Non-Firm
KNYN Orchard Park Pressure Test	Integrity assessment	6/20/2022	7/1/2022	12	KNYN	No scheduling impact expected.	None
Line XN Remediation	Ground remediation	Spring/ Summer 2022	Spring/ Summer 2022	TBD	XN	Potential curtailment of receipts at Pendelton and deliveries to NFGDC-Nash.	Non-Firm
Line XS Remediation	Ground remediation	Spring/ Summer 2022	Spring/ Summer 2022	TBD	XS	No impact expected. Risk of impact to pipeline if issues arise during remediation.	None
Z20 Remediation	Ground remediation	Summer 2022	Summer 2022	TBD	Z20	Potential curtailment of non-firm receipts and deliveries at Tuscarora (022009010).	Non-Firm
Mercer Valve Replacements	Facility upgrades	7/19/2022	7/22/2022	3-4	Mercer Station	Curtailment of deliveries to Mercer (to TGP) (412888), including firm services. See critical notice 835697	Firm
KNYS Replacement Project	Pipeline replacements	8/1/2022	10/1/2022	62	KNYS	Lewis Run South to North constraint limited to primary only.	Non-Firm
KPA and GM97 ILI	Integrity assessment	Aug 2022	Aug 2022	5	KPA, GM97	Potential impact to production.	Non-Firm
NM45/S2T Investigation Digs	Post assessment investigation digs	Aug 2022	Sep 2022	TBD	NM45, S2T	Line interruption possible but not expected.	None
Hartzfelt Station Modifications and EE16 Valve Replacement	Facility modifications and replacement	Sep 2022	Oct 2022	TBD	Harzfelt Station, EE16	Hartzfelt (633863) receipts and deliveries unavailable.	Non-Firm

Construction and Maintenance Schedule

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2022 Construction and Maintenance Schedule

Effective Date: 4/20/22

Project	Description	Start Date	End Date	Duration (Days)	Location	Impact	Expected Service Level Impact
KPA Replacements - North	Pipeline replacements	TBD	TBD	5	KPA	Line KPA north of Lewis Run (637062) out of service. Lewis Run South to North constraint limited to primary only.	Non-Firm
KPA Replacements - South	Pipeline replacements	TBD	TBD	5	KPA	Outage of Line KPA between AM60 and KL. Impact TBD.	TBD
KPA Pressure Test	Integrity assessment	TBD	TBD	5	KPA	Line KPA north of Lewis Run (637062) out of service. Lewis Run South to North constraint limited to primary only.	Non-Firm
XS/XE Investigation Digs	Post assessment investigation digs	TBD	TBD	TBD	XS, XE	Line interruption possible but not expected.	None
Colden C49SB1 Replacement	Pipeline replacements	TBD	TBD	TBD	Colden Storage	Secondary and interruptible services unavailable at Colden (49756)	Non-Firm
Concord Station Unit 6 Outage	Compressor maintenance	TBD	TBD	7	Concord Station	Concord South to North constraint limited to primary only.	Non-Firm
Concord Station Units 1-5 Outage	Compressor maintenance	TBD	TBD	7	Concord Station	Concord South to North constraint limited to primary only.	Non-Firm
Concord Station Unit 6 VGR Tie-In	Facility upgrades	TBD	TBD	10	Concord Station	Concord South to North constraint limited to primary only.	Non-Firm