

# AGT Outages

Below is a list of major outages known to date that will affect capacity or that impact major receipt/delivery areas on the Algonquin Gas Transmission (AGT) system. Due to unforeseen delays or scheduling conflicts, the dates of the outages listed below are subject to change. In addition, this schedule is not a complete list of all outages that will occur this outage season, and we reserve the right to update this list to reflect additional major outages when the timing of such major outages can be reasonably forecasted. Any changes to the list below will be posted at the earliest practical date. Furthermore, when operationally feasible, AGT will coordinate with upstream and downstream point operators as necessary, to help minimize the operational impact of outages. Parties are urged to monitor these posting to access the most current information.

## AGT Operational Capacity Matrix<sup>(1)</sup>

	Stony Point	Southeast	Oxford	Cromwell	Chaplin	Burrillville	G-system	J-system	Trapelo	I-8 Forward	I-8 Backward	Weymouth
29-Jun	1,481	1,462	1,129	1,004	792	675	386	289	289	150	440	0
30-Jun	1,452	1,433	1,169	1,120	905	788	440	314	243	150	440	0
1-July	1,452	1,433	1,169	1,120	905	788	440	314	243	150	440	80
2-July	1,750	1,715	1,395	1,190	975	857	347	343	272	150	440	80
3-July	1,750	1,715	1,395	1,190	975	857	347	343	272	150	440	80
4-July	1,750	1,715	1,395	1,190	975	857	347	343	272	150	440	80
5-July	1,750	1,715	1,356	1,147	932	815	343	339	268	150	440	80
6-July	1,750	1,715	1,356	1,147	932	815	343	0	268	150	440	80
7-July	1,750	1,715	1,356	1,147	932	815	343	0	268	150	440	80
8-July	1,750	1,715	1,356	1,147	932	815	343	0	268	150	440	80
9-July	1,750	1,715	1,356	1,147	932	815	343	0	268	150	440	80
10-July	1,750	1,715	1,395	1,190	975	857	347	0	272	150	440	80
11-July	1,613	1,592	1,285	1,077	863	815	342	0	268	150	440	80
12-July	1,585	1,564	1,160	950	736	690	440	0	268	150	440	80
13-July	1,613	1,592	1,285	1,077	863	815	342	0	268	150	440	80
14-July	1,613	1,592	1,285	1,077	863	815	342	0	268	150	440	80
15-July	1,613	1,592	1,285	1,077	863	815	342	0	268	150	440	80
16-July	1,750	1,715	1,395	1,190	974	857	348	0	268	150	440	80
17-July	1,750	1,715	1,395	1,190	974	857	348	0	268	150	440	80
18-July	1,750	1,715	1,395	1,191	975	857	340	0	268	150	440	80
19-July	1,750	1,715	1,395	1,191	975	857	340	0	268	150	440	80
20-July	1,750	1,715	1,395	1,191	975	857	342	90	181	150	440	80
21-July	1,750	1,715	1,395	1,191	975	857	342	90	181	150	440	80
22-July	1,750	1,715	1,395	1,191	975	857	342	90	181	150	440	80
23-July	1,750	1,715	1,395	1,190	975	857	347	90	181	150	440	80
24-July	1,750	1,715	1,395	1,190	975	857	347	90	181	150	440	80
25-July	1,750	1,715	1,395	1,190	975	857	347	90	181	150	440	80
26-July	1,750	1,715	1,395	1,190	975	857	347	252	181	150	440	80
27-July	1,750	1,715	1,395	1,190	975	857	347	252	181	150	440	80

	Stony Point	Southeast	Oxford	Cromwell	Chaplin	Burrillville	G-system	J-system	Trapelo	I-8 Forward	I-8 Backward	Weymouth
28-July	1,750	1,715	1,395	1,190	975	857	347	252	181	150	440	80
29-July	1,749	1,715	1,395	1,195	975	857	347	252	181	150	440	80
30-July	1,750	1,715	1,395	1,190	975	857	347	252	181	150	440	80
31-July	1,750	1,715	1,395	1,190	975	857	347	252	181	150	440	80

<sup>(1)</sup> AGT will update the Capacity Matrix for future gas days in subsequent outage update postings.

<sup>(2)</sup> Limited No Notice -- Percentage will vary daily based on customer nominations.

### **AGT Compressor Station Outages:**

AGT will be conducting outages at the following compressor stations. Please refer to the operational capacity matrix for a list of mainline capacities during each of the following outages:

Date	Station	Additional Details
April 25 – July 1	Stony Point	Units 5, 6, 7, 8 and 9 (Unit 1 out sporadically during this timeframe)
April 26 – June 30	Weymouth	Station
June 16 - 27	Southeast	Unit 3
June 7 – July 1	Cromwell	Unit 7
June 7 – July 1	Cromwell	Unit 8
June 24	Southeast	Unit 4
June 25	Hanover	Station - TE/AGT Lease volumes limited to a net 300,000 Dth/d to TE
June 27 – July 1	Southeast	Unit 5
June 27 – 30	Chaplin	Station
June 27 – July 1	Oxford	Unit 1
July 5 – 9	Chaplin	Unit 1
July 11 – 15	Southeast	Unit 5
July 11 – 19	Cromwell	Unit 11
July 11 – 15	Chaplin	Unit 2
<b>***July 12</b>	<b>Oxford</b>	<b>Station</b>
July 18 – 22	Chaplin	Unit 3
July 18 – 22	Southeast	Unit 6
July 25 – 29	Chaplin	Unit 4
TBD August	Southeast	Unit 2
August 1 - 9	Cromwell	Unit 9
August 15 – 19	Southeast	Unit 4
August 16 – 18	Burrillville	Unit 5
August 22– 26	Cromwell	Unit 10
August 23 – 25	Burrillville	Unit 5
August 29 – September 2	Burrillville	Unit 4
September 8 – 15	Burrillville	Unit 6
September 12 – 16	Oxford	Unit 3
September 13 – 16	Weymouth	Station
TBD	Southeast	Unit 1
<b>***TBD September</b>	<b>Weymouth</b>	<b>Station</b>

Based on historical nominations, AGT anticipates restrictions to interruptible, secondary services and potentially primary firm services.

## **Main Line Outages:**

Below is a list of potentially impactful mainline outages occurring on the AGT system this year. Capacity impacts associated with these outages are reflected in the capacity matrix above.

### **MR00271 Everett – Meter Outage: September 25 – October 1**

During this outage MR00271 – EVERETT INT. (MIDDLESEX,MA) will be unavailable for flow.

### **26” Lambertville to Hanover to Stony Point Tool Runs: TBD**

Due to AGT’s current operational flow patterns and to ensure the tool runs are successfully completed, AGT will be limited to approximately 400,000 Dth/day for delivery to TE Lambertville (MR 00210) and TE Hanover (MR 00211), which includes the TE/ AGT Lease Capacity. Due to these current flow patterns AGT anticipates restrictions to interruptible, secondary services and primary firm services.

Furthermore, AGT will be limited to approximately 931,000 Dth/ day for receipts sourced from Mahwah (MR 00201), Ramapo/ Millennium (MR00214) and Columbia Hanover (00240) for deliveries east through Stony Point compressor station. AGT anticipates restrictions to interruptible and secondary services.

Additionally, AGT will be limited to approximately 500,000 Dth/day receipts from TE Lambertville (MR 00210) and TE Hanover (MR 00211) for deliveries east through Stony Point compressor station. AGT anticipates restrictions to interruptible, secondary services and primary firm services.

If additional tool runs are required, AGT will post updates as soon as it is known.

### **\*\*\*30” Lambertville to Hanover to Stony Point Tool Runs: TBD**

Due to AGT’s current operational flow patterns and to ensure the tool runs are successfully completed, AGT will be limited to approximately **350,000 Dth/day** for delivery to TE Lambertville (MR 00210) and TE Hanover (MR 00211), which includes the TE/ AGT Lease Capacity. Due to these current flow patterns AGT anticipates restrictions to interruptible, secondary services and primary firm services.

Furthermore, AGT will be limited to approximately **565,000 Dth/day** for receipts sourced from Mahwah (MR 00201), Ramapo/ Millennium (MR00214) and Columbia Hanover (00240) for deliveries east through Stony Point compressor station. AGT anticipates restrictions to interruptible and secondary services.

Additionally, AGT will be limited to approximately **500,000 Dth/day** receipts from TE Lambertville (MR 00210) and TE Hanover (MR 00211) for deliveries east through Stony Point compressor station. AGT anticipates restrictions to interruptible, secondary services and primary firm services.

If additional tool runs are required, AGT will post updates as soon as it is known.

**\*\*\*26" Stony Point to Southeast – Detailed Investigation VS6: June 4 – July 15**

Anomaly discovered requiring pressure restriction until repair can be made. Repair timeframe is TBD

**30" Oxford to Cromwell – Pipeline Outage VS5: TBD 2023**

During this outage AGT will be required to isolate its L30B line.

**Burrillville to EOL – Pipeline Outage VS7-8: July 6 - 19**

Tentatively July 6 - 19, approx. 14 days plus any isolations needed for the 8 known digs in BUR-EOL VS 7-8.

During isolation, capacity will be zero thru Needham for deliveries on the J-System.

MR00043 – ASHLAND (MIDDLESEX,MA), MR00038 – CHARLES RIVER RD (NORFOLK,MA), and MR00066 – DOVER (NORFOLK,MA) will be unavailable for flow and all meters on the J-System will need to source gas from MR00271 – EVERETT INT. (MIDDLESEX,MA) or 00206 – LINCOLN(MIDDLESEX,MA).

**Burrillville to EOL – Pipeline Outage VS5-6: Isolation July 6 - 25**

From July 20 – 25, I-System can supply approximately 90,000 Dth/d for MR 00043, 00066, 00038, and deliveries on the J-System. MR 00271 and 00206 also available to supply deliveries on the J-System.

**24" Burrillville to EOL – Detailed Investigation VS1-8: June 7 – August 9**

During this outage AGT will need to reduce pressure and/or isolate its 24" M/L.

**26" Southeast to Oxford – Pipeline Outage VS2 and VS4: TBD June/July**

Potential line isolation. Will communicate when more is known.

**26" Oxford to Cromwell – Pipeline Outage VS3: TBD June/July**

Potential line isolation. Will communicate when more is known.

**30" Stony Point to Southeast – Pipeline Outage VS1-2: TBD (August)**

Approximately 7 – 10 days. Will communicate when more is known.

**30" Hanover to Stony Point – Pipeline Outage VS2-3: TBD June/July**

Potential for Line Isolation. Will communicate when more is known.

## **Lateral Outages:**

Below is a list of potentially impactful lateral outages occurring on the AGT system this year. Any G and/or J System capacity impacts associated with these outages are reflected in the capacity matrix above.

### **\*\*\*C-3 System - MR00077 – Meter Outage: August 1 - 6**

During this outage, MR00077 – DEFCO (NEW HAVEN,CT) will be unavailable for flow.

### **E-1 System – Detailed Investigations VS1: TBD (August)**

AGT will be conducting detailed investigations on its E-1 System in VS1.

### **\*\*\*G-1 System – Detailed Investigations VS6-8: August 11 – September 10**

AGT will be conducting detailed investigations on its G-1 System in VS6-8. No impact anticipated during this outage.

### **G-5 System - MR00010 – Meter Outage: July 18 – September 30**

AGT will be conducting a meter outage at MR00010. During this outage, MR00010 – NATIONAL GRID - E. PROVIDENCE (PROVIDENCE,RI) will be unavailable for flow.

### **G-6 System - MR00071 – Meter Outage: July 6 - 8**

AGT will be conducting a meter outage at MR00071. During this outage, MR00071 – NEW ENGLAND GAS COMPANY SWANSEA (BRISTOL,MA) will be unavailable for flow.

### **G-6 System Sec 1 Tool Runs: July 18 - 20**

AGT will be conducting tool runs on its G-6 System section 1. No impacts anticipated and AGT will coordinate with point operators.

### **G-6 System Sec 2 Tool Runs: July 11 - 12**

AGT will be conducting tool runs on its G-6 System section 2. AGT will coordinate with point operators.

### **G-6L System Tool Runs: July 13 - 14**

AGT will be conducting tool runs on its G-6L System. No impacts anticipated and AGT will coordinate with point operators.

### **G-12L System – Detailed Investigations: TBD**

AGT will be conducting detailed investigations on its G-12L System. No impact anticipated during this outage.

### **G-15 System – Pipeline Outage: TBD 2023 (Approximately 3 days)**

AGT will be conducting a pipeline outage on its G-15 System. During this outage MR00037 – SOUTH ATTLEBORO (BRISTOL, MA) will be unavailable for flow.

**\*\*\*G-20 System Tool Runs: TBD 2023**

AGT will be conducting tool runs on its G-20 System. AGT will coordinate with point operators.

**G-26 System – Pipeline Outage: June 26 – July 1**

AGT will be conducting a pipeline outage on its G-26 System. During this outage MR00812 – TMPL (BRISTOL,MA) will be unavailable for flow.

**\*\*\*G-26 System – Detailed Investigations: TBD**

AGT will be conducting detailed investigations on its G-26 System. No impact anticipated for MR00812 – TMPL (BRISTOL,MA) during investigations

**\*\*\*I-1 System – Detailed Investigations VS2: August 5 – September 2**

AGT will be conducting detailed investigations on its I-1 System in VS2. No impact anticipated during this outage.

**\*\*\*I-1 System – Detailed Investigations VS3: August 24 – September 4**

AGT will be conducting detailed investigations on its I-1 System in VS3. No impact anticipated during this outage.

**\*\*\*I-4 System – Detailed Investigations VS1: July 23 – August 5**

AGT will be conducting detailed investigations on its I-4 System in VS1. No impact anticipated during this outage.

**I-5 System – Pipeline Project: TBD 2023**

During this project, AGT will coordinate with the point operators.

**\*\*\*I-8 System – MR00023 – Meter Outage: August 20 - 22**

AGT will be conducting a meter outage at MR00023. During this outage, MR00023 – NATIONAL GRID-EAST BRAINTREE (NORFOLK,MA) will be unavailable for flow.

**I-17 System – MR00022 – Meter Outage: TBD 2023**

AGT will be conducting a meter outage at MR00022. During this outage, MR00022 – WESTWOOD (NORFOLK, MA) will be unavailable for flow.

**J System:**

See attached J System schematic.

**K-1 System – Pipeline Outage: TBD 2023 (Approximately 10 days)**

During this outage MR00043 – ASHLAND (MIDDLESEX,MA) and MR00066 – DOVER (NORFOLK,MA) will be unavailable for flow.

**P-1 System – Pipeline Outage: TBD**

During this outage MR00075 – GLASTONBURY (HARTFORD,CT) will be unavailable for flow.

**Q-1 System - MR00052 – Meter Outage: TBD 2023**

AGT will be conducting a meter outage at MR00052. During this outage, MR00052 – NATIONAL GRID-PONKAPOAG (NORFOLK,MA) will be unavailable for flow.



**Meter Facility Inspections:**

AGT will be conducting facility inspections at the following locations. These inspections are not anticipated to require capacity reductions, however depending on the results of the inspections a reduction in capacity may be required. Should any of these inspections lead to a reduction of capacity, AGT will post on the bulletin board as soon as it is known:

TBD	

## Algonquin DOT Pipeline Integrity Project

### Tool Runs:

As part of AGT's comprehensive integrity assessment of its pipeline system AGT will be conducting cleaning and in-line inspection tool runs on various lines throughout its system. As a result of these in-line inspections, certain locations could be identified for an investigation which could lead to possible reduction of capacity. Should any of these investigations lead to a reduction of capacity, AGT will post on the bulletin board as soon as it is known.

AGT utilizes specific ILI tools designed by vendors to inspect for a certain type of threat that may exist on the pipeline. Depending on the type of the tool and in order to successfully collect the data, the tool may need to be run at a specific speed which determines the impact on pipeline capacity during the run. Furthermore, each tool has a different size and length depending on the tool type and vendor. Launcher and receivers, and other pipeline facilities may need to be modified in order to launch, receive and run the tool along the pipeline to ensure a successful run. Occasionally, combination tools, which are tools utilized to investigate multiple threats simultaneously, do exist for various pipe sizes and vendors. Since combinations do not exist for every pipe size or threat, there may be multiple tool runs needed for a particular segment which creates variability in the outage schedule timeframes. The following list contains the more common tool types AGT utilizes and associated threat that the tool generally inspects the pipeline for. This is not an exhaustive list and there may be other exceptions for the types of threat each tool type looks for.

MFL-A	Internal/External Corrosion
Inertial Mapping Unit or IMU	Geohazard/Pipe Strain
Caliper	Dents/Obstructions
EMAT	Stress Corrosion Cracking
MFL-C	Selective Seam Weld Corrosion
MFL-HS	Hard Spots

Listed below are the pipeline segments scheduled for cleaning and/or in-line inspection this year which will have an impact on operational capacity. Please refer to the operational capacity matrix for any mainline capacity impacts. Inspections which have meter impacts and/or other operational impacts are denoted with “%” and details of the impacts are located above.

Pipeline Section:	Type	Cleaner Date:	Caliper Date:	ILI Date:	Results / Potential Repair Date:
G-1L System	MFL-A	Complete	Complete	Complete	TBD
24" Cromwell/Chaplin/Burrillville	MFL-C / EMAT	Complete	Complete	Complete	TBD
I-2 System*	MFL-A	Complete	Complete	Complete	TBD
30" Burrillville/EOL	MFL-A	Complete	Complete	Complete	TBD
G-6 System Section 1*	MFL-A	7/18	7/19	7/20	TBD
G-6 System Section 2*	MFL-A	7/11	7/12	7/12	TBD
30" Cromwell/Chaplin/Burrillville	MFL-A		Complete	Complete	TBD
G-6L System*	MFL-A	7/13	7/14	7/14	TBD
26" Lambertville/Hanover/Stony Point*	MFL-A	TBD	TBD	TBD	TBD
42" Lambertville/Hanover/Stony Point*	MFL-A	TBD	TBD	TBD	TBD
W-1 System*	IMU	Complete	Complete	Complete	TBD
***30" Lambertville/Hanover/Stony Point*	MFL-A	TBD	TBD	TBD	TBD
26" Southeast/Oxford/Cromwell	MFL-C	Complete	Complete	Complete	TBD
G-20 System*	MFL-A		TBD	TBD	TBD
24" Burrillville/EOL	MFL-A	Complete	TBD	TBD	TBD
30" Stony Point / Southeast / Oxford / Cromwell	EMAT / MFL-C	Complete		TBD	TBD
E-1L System	IMU	TBD July	TBD July	TBD July	TBD

## **Scheduled Investigations:**

As a result of AGT's comprehensive integrity assessment of its pipeline system, the following locations have been identified as requiring additional evaluation which may require a reduction of capacity. Should any of these investigations lead to a reduction of capacity, AGT will post on the bulletin board as soon as it is known:

Burrillville to EOL (24")

E-1 System

G-1 System (12/16")

G-1L System (20")

G-12L System (24")

G-2 System

Hanover to Stony Point (26")

Lambertville to Hanover (26")

I-1 System (12")

J-1 System (22/24/26")

Stony Point to Southeast (26")

**Customer Entitlements\* by Station and Date**

This section represents the aggregate customer entitlements for the various date ranges throughout this upcoming summer season.

Station	Customer Entitlements by Date			
	Nov 16 - April 15	April 16 - May 31	June 1 - Sept 30	Oct 1 - Nov 15
Stony Point	1,943,974	1,826,908	1,644,952	1,826,908
Southeast	1,912,736	1,795,965	1,614,600	1,795,965
Oxford	1,611,555	1,494,784	1,313,419	1,494,784
Cromwell	1,369,717	1,269,269	1,120,367	1,269,269
Chaplin	1,151,320	1,059,746	928,777	1,059,746
Burrillville	1,112,671	1,021,680	891,875	1,021,680

\*Entitlements as of March 1, 2021