

Columbia Gas Transportation Aviator, Operational Orders and Nominations

Part 2 of 3





Aviator is an interactive, web-based application where marketers can:

- Enter nominations; revise nominations •
- View Critical Day notices as well as informational notices •
- View usage for GTS customers
- Access and run reports

LDC Aviator is available 24 hours a day, 7 days a week

Scheduled Maintenance - 12:30 AM - 6:00 AM ET Sunday Mornings LDC Aviator's End User Support - 1-866-891-4127

Aviator	Pipeline: Columbia Gas of Ohio	Make This My Default Pipeline		NiSource
Home Nominations MeterReads Tr	ransportationMarketers InfoPostings	GTSBillViewer Choice Concerns Choice Account Access		Login
				Halp
V	Velcome to	Aviator!	Please login to access the requested page.	
This site is provided to you your energy transactions Distribution Companies. W significance of user-friendly communication tools that su customers and the way we do bu	with The Columbia We understand the /, effective business upports the needs of	NiSource Companies Columbia Gas of Kentucky, Inc. Columbia Gas of Maryland, Inc. Columbia Gas of Ohio, Inc. Columbia Gas of Pennsylvania, Inc. Columbia Gas of Virginia, Inc.	User name: Enter Usemarne Password: Enter Password	
			Login	



AVIATOR REPORTS FOR GTS SUPPLIERS

The supplier may obtain their customer information such as:

Account number (PCID number) and customer volumes/quantities, usage and nominations by running Aviator reports. When you become an active supplier – you will have the ability to view your customer information from the available GTS reports.

Logof
Help

Av	riator								NiSource
Ноп	ne Nominations MeterRea	ds Transportation Marketers	InfoPostings I	Reports GTSBillViewer	Choice Concerns	Choice Account Access			Logoff
We	lcome Shandi @ NiSource								Help
Sel	ect a Report			Set Input F	arameters			Run Report	
Þ	Bank & Burn Reports								
Þ	Consumption History								
Þ	Curtailment Volume Summ	агу							
Þ	Customer Info								
	📁 Daily Usage								

An email is sent to the suppliers after the completion of billing advising Bank and Burns are ready to be ran.

Bank and Burn GTS0001

Report Parameters: Report is run by Company, Agent/Agent ID and Month/Year.

Report Detail: This report provides a Supplier/Self Agent Customer with the gas allocated, retained, disbursed, and used for a given billing cycle by PCID/SEQ – Permanent Customer ID and Sequence.

GTS00)01											Bank & Bur	m #1	Report										
											Company	Columbia Gas	of Ma	aryland										
											Month/Year	January 2024												
											Agent													
Co N	om Group #	Name	PCID	Seq	Gas Class	Gas Sub Class	Shipper	th Allocated	Thm Allocated	BTU	Mcf Allocated	Retained	Unit	Disbursed	Unit	Consumption	Unit	Tariff	Unit	Account Name	Street Address	Street	Apt	City

Bank and Burn GTS0002

Report Parameters: Report is run by Company, Agent/Agent ID and Month/Year.

Report Detail: This report shows beginning bank balance, volumes received, volumes transferred or adjusted volumes allocated and ending bank balance by Nom Group.

GTS0002			Bank & Burn								
		Company:	Columbia Gas o	f PA							
		Month/Year:									
		Agent:									
		April 2024 is	not available for	Bille	d Month/Year						CMD&CPA Only
Co Nom Group #	Name	Gas Class	Gas Sub Class	Unit	Prev Bank	VolRec'd	Adjs/Trans	Sale/Purch	Total Alloc	Remaining	Remaining DTH



Customer Information Report GTS0003:

Report Parameters: This report is run by Company, Agent ID, PCID/SEQ or ALL PCIDs.

Report Details: This report provides detailed information for a customer's gas transportation account – annual volumes, maximum day volumes, banking tolerance percentage, daily or monthly read, etc. This report can be requested for all assigned accounts, or by an individual PCID/SEQ. For Suppliers/Self-Agents to retrieve the customer information, the PCID/SEQ must be a GTS account and be assigned to the Supplier/Self-Agent that is requesting the information.

GTS000)3				Cus	tomer In	formation Report											
						Company:	Columbia Gas Of Ohi	0										
						Agent												
					M		March 2024											
							This report is availab	le ONLY for Cur										
Co	PSP	Nom Group #	Customer Name	PCID	Seq	P SID #	Service Address	City	State	Unit	Max Day Winter	Max Day Summer	Annual Vol/Qty	Standby Vol/Qty	Bank Tolerance %	Read Frequency (*Override)	Elected MDQ Option	Daily Polled
																	SAFE_HARBOR	
This re	port c	ontains infor	rmation that was availal	ole at the time	the rep	port was ci	reated. The informati	on is subject to	change.									

Consumption History GTS0004:

Report Parameters: This report is run by PCID/SEQ.

Report Details: This report shows 24 months of consumption for a customer utilizing their PCID/SEQ. If a PCID/SEQ has been active for less than 24 months, only the months it has been active will be shown in the report. For a Supplier/Self Agent Customer to retrieve the consumption information, the PCID/SEQ must be a GTS account and assigned to the Supplier/Self Agent that is requesting the information.

GTS0004	Consump	tion Hist	ion History Report PCID-SEQ:					
				PCID-SEQ:	123456	78-001		
	PSID	Meterlo		Month/Yea	[Billed Consumption	<u>Unit</u>



(continued)

Daily Usage vs Daily Noms GTS0005

Report Parameters: This report is run by the Company and Gas Date.

Report Details: This report compares daily usage to the daily nominations for meters that have daily read electronic devices (EFC). The report will show all meters with an EFC device for which the Marketer requesting the report is designated as the agent. However, you will only see the corresponding nominations associated with the PSID if it is the only PSID in the nomination group. This report can be accessed by date for any gas day within the previous 60 days. The most recent "previous gas day" will not be available until after the electronic readings have been pulled for that day which is normally between 10a.m. and 11a.m.

GTS000)5		Daily Usage	vs Daily No	ms Report					
Со	Agent ID	Agent Name	PSID	Nom Group	Gas Date	Usage	Unit	Nom	Unit	Gas Sub Class

Curtailment Volume Summary GTS0006

Report Parameters: This report is run by the Company and Billing Month

Report Details: This report shows the breakdown by each company on any curtailment charges that were billed during the selected billing period at a nomination group level.

G	TS	0006													
c	o	NomGrp	NomGrp Name	Date	Order Type	Unit	Nomination	Monthly Read Volume	Monthly Read Non- Compliance Charge	Daily Read Volume	Daily Read Non- Compliance Charge	Total Final Required Flow	Adjusted Required Flow or Allowable Nomination	Btu	Retain %

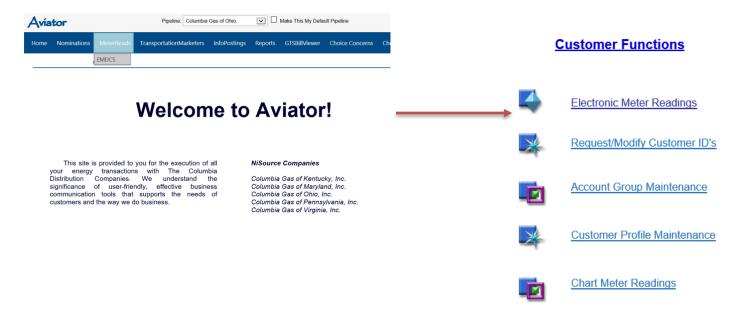


EMDCS

The customer's completion of an Appointment of Agent form permits Supplier access to Electronic Meter Readings.

To access the Electronic Meter Data Collection System (EMDCS) site log on to <u>www.ldcaviator.com</u>. From the Aviator Web Page, place the mouse pointer over:

- Meter Reads, click EMDCS.
- This will take you to the EMDCS landing page, then select Electronic Meter Readings.



ELECTRONIC METER READINGS

Some of our customers have installed a dedicated phone line or have converted to cellular service along with an Electronic Flow Corrector (EFC) that can provide daily gas data. Their meter readings are recorded on our Aviator website and available for their Supplier to view.

Electronic Meter Readings

Processing C	omplete											
Meter ID		lable uests	Previous M	lonth	~							
PSID	Customer Name	Gas Date	Original Corrected Mcf	Corrected Mcf	Corrected Index	Original UnCorrected Mcf	UnCorrected Mcf	UnCorrected Index	Temperature	Pressure	PSP BTU Factor	Corrected Dth
		8/25/2019	118	118	345022	25	25	73927	77	70	1.0794	127
		8/26/2019	230	230	345140	50	50	73952	79	70	1.0794	248
		8/27/2019	220	220	345370	48	48	74002	79	70	1.0794	237
		8/28/2019	217	217	345590	47	47	74050	78	70	1.0794	234
DOID		8/29/2019	219	219	345807	47	47	74097	78	70	1.0794	236
PSID		8/30/2019	172	172	346026	38	38	74144	79	70	1.0794	186
	NAME	8/31/2019	53	53	346198	11	11	74182	81	70	1.0794	57
		9/1/2019	6	6	346251	1	1	74193	78	71	1.0817	6
		9/2/2019	118	118	346257	26	26	74194	78	70	1.0817	128
		9/3/2019	217	217	346375	47	47	74220	79	70	1.0817	235
		9/4/2019	216	216	346592	47	47	74267	80	69	1.0817	234
		0.000	0.40	0.40	0.40000	17	47	74044	70		1 0017	000



Operational Orders









NOTICES

When Columbia Gas issues an Operational Alert, Warning or Order Notice, they will be posted on our EBB (Electronic Bulletin Board) by state. Anyone can access this webpage on the Aviator website, it is open for public view.

Alerts/Warnings – A notice issued to alert shippers that if no changes are made in nominations or deliveries, Columbia may issue an OFO, OMO, BSI or BSR

Notices – A state specific issued OFO, OMO, BSI or BSR. If noncompliant with the order a penalty will occur.

*Columbia will utilize its best efforts to issue Operational Warnings and/or Operational Alerts prior to the

issuance of an OFO and/or OMO.

10/11/2018 9:17:58 AM

10/11/2018 9:16:03 AM

Columbia's Electronic Bulletin Board on Aviator:

Notices	By accessing this we	ng this website you are agreeing to the following <u>Terms and Conditions.</u>						
All Pipelines:	√							
CDC:								
Туре:	All							
View Notices From Last:	● 30 Days ○ 90 Days ○ 180 Da	ys 🔿 270 Days 🔿 1 Year						
10/12/2018 9:13:23	AM	CPA	Operational Alert					
10/12/2018 9:11:58	AM	CMD	Operational Alert					
10/12/2018 9:10:01	AM	сон	Warning					
10/11/2018 4:14:05	PM	CDC	Confirmation					
10/11/2018 4:06:52	PM	CGV	Balancing Service Restriction					
10/11/2018 4:05:52	PM	СРА	OFO/OMO					
10/11/2018 4:04:34	PM	СОН	OFO/OMO					
10/11/2018 4:02:40	PM	CMD	OFO/OMO					
10/11/2018 2:35:56	PM	CDC	Confirmation					

CGV

CPA

Balancing Service Restriction

OFO/OMO

OFO/OMO

Operational Orders are called when nominations from transportation customers and their agents appear to be insufficient to meet projected transportation customer demand.

Operational Flow Order (OFO)

This is an order issued by Columbia, which directs Suppliers and/ or Customers to adjust their scheduled volumes/quantities to match their estimated usage. OFOs may be issued for daily capacity or operational reasons only. OFO is used in Ohio, Pennsylvania and Maryland.

Operational Matching Order (OMO)

This is an order issued by Columbia, which directs Suppliers and/or Customers to adjust their usage to match volumes/quantities flowing on pipelines. OMOs may be issued for daily capacity or operational reasons only. OMO is used in Ohio, Pennsylvania and Maryland.

Balancing Service Interruption (BSI)

Customers without Daily Metering are subject to Columbia's issuance of Balancing Service Interruptions (BSI) that direct Customers/Agent to schedule confirmed supply volumes to match Columbia's estimate of their daily usage (MDV) for the required percentage of the BSI and adjusted for any contracted standby (cold BSIs only), and plus or minus 3% of customer(s) MDV provided volumes available in bank.

Customers with Daily Metering are subject to Columbia Issuance of BSIs that will direct Customers/ Agent to adjust usage to match confirmed daily supply volumes for the required percentage of the BSI and adjusted for any contracted standby (cold BSIs only), and plus or minus 3% of customer(s) daily usage provided volumes available in bank.

Balancing Service Restriction (BSR)

A BSR will directs Suppliers and/or Customer(s) to adjust their consumption or their daily scheduled deliveries such that the Customer's deliveries to the Company's system will, as closely as practicable, match its daily consumption or specified portion thereof. BSR is used in Virginia.

Transit Point

GTS Customers and/or Suppliers may deliver a portion or all of their scheduled supply deliveries to the PSP via City Gate and/or the Transit Point, still complying with the tariff and not to exceed the percentages set forth.

Failure to comply with an OMO/OFO/BSR/BSI order will result in penalties. The cost of those penalties vary by state.

CKY Operational Orders BSI:

- Required Flow or Allowable Nomination = 319
- Nomination = 293.3 (318 before retainage and BTU conversion)
- 319 x 3% tolerance = 9.57
- 319 9.57 = 309.4 Required Flow or Allowable Nomination
- 309.4 293.3 = 16.1 Daily Read Volume (Mcf)
- Standby is applied and totaled at the PCID level to reduce the required flow
- Over Delivery For Daily Read customers 3% of the actual daily usage
- **Over Delivery** For Non-Daily Read customers 3% of the customer's Maximum Daily Volume (MDV)

BSI Date	Unit	Nomination	Monthly Read Volume	Monthly Read Non-compliance Charge	Daily Read Volume (mcf)	Daily Read Non-compliance Charge	Business Name	Pcid	Seq	Psid	Actual Usage or MDV	BSI %	Required Flow or Allowable Nomination (includes 3% tolerance)	Standby	Vol
01-30-2019	Mcf	293.3	0.0	\$0.00	16.1	\$402.50	ABC COMPANY	12345678	001	987654321	319.0	100.0	319.0		0.0

Order Descriptions:

Balancing Service Interruption (BSI)

- Customers without Daily Metering are subject to Columbia's issuance of Balancing Service Interruptions (BSI) that direct Customers/Agent to schedule confirmed supply volumes to match Columbia's estimate of their daily usage (MDV) for the required percentage of the BSI and adjusted for any contracted standby (cold BSIs only), and plus or minus 3% of customer(s) MDV provided volumes available in bank.
- Customers with Daily Metering are subject to Columbia Issuance of BSIs that will direct Customers/ Agent to adjust usage to match confirmed daily supply volumes for the required percentage of the BSI and adjusted for any contracted standby (cold BSIs only), and plus or minus 3% of customer(s) daily usage provided volumes available in bank.

COH Operational Orders OMO/OFO:

- Required Flow or Allowable Nomination = 943.9
- Nomination = 742.8 (800 before retainage and BTU conversion) _
- 943.9 742.8 = 201.1 Daily OMO Read Volume _
- Standby is applied and totaled at the PCID level to reduce required flow _

OFO/OMO Date	Unit	Nomination	Monthly (OFO) Read Volume	OFO Non-compliance Charge	Daily (OMO) Read Volume	OMO Non-compliance Charge	Demand Rate	Demand Volume	Demand Charge	Business Name	Pcid	Seq	Psid	Actual Usage or MDQ	OFO/OMO %	Required Flow or Allowable Nomination	Standby Vol	
02-09-2019	Mcf	742.8	0.0	\$0.00	201.1	\$2,011.00				ABC COMPANY	12345678	002	987654321	1,242.0	76.0	943.9	0.0	

Order Descriptions:

Operational Flow Order (OFO) •

This is an order issued by Columbia, which directs customers to adjust their scheduled volumes/quantities to match their estimated usage. OFOs may be issued for daily capacity or operational reasons only. OFO is used in Ohio, Pennsylvania and Maryland.

Operational Matching Order (OMO) ۰

This is an order issued by Columbia, which directs customers to adjust their usage to match volumes/quantities flowing on pipelines. OMOs may be issued for daily capacity or operational reasons only. OMO is used in Ohio, Pennsylvania and Maryland.



CPA Operational Orders OMO/OFO:

- Required Flow or Allowable Nomination = 7099
- Bank Firm Vol = 514
- Nomination = 5730.1 (5788 before retainage)
- 7099 514 5730.1 = 854.9 Daily Read Volume
- Standby is applied and totaled at the PCID level to reduce required flow
- Elective Balancing Service (EBS) Option 1 only 5% of the MDQ, if the Nom Group's beginning bank is equal to or greater than the 5% tolerance. If the beginning Nom Group bank is less than the 5% of the MDQs, the customer receives the beginning bank quantities as their tolerance volume and applied at the PCID level to reduce required flow
- Equipment Outage Election If the Daily Read customer has elected the MDQ option during an equipment outage, if the daily usage was not available, the calculation will use the MDQ and OFO percentage.
- Over Delivery For EBS Option 1 only the PCID is allowed 2.5% (102.5%) tolerance of the maximum prescribed OFO/OMO level

												Read									
				Monthly Read	OFO	Daily Read		Business				Frequency		Actual Usage or		Final Required	Standby	Bank Firm			Order
OFO/OMO Date P	Pipeline	Unit	Nomination	Volume	Penalty	Volume	OMO Penalty	Name	Pcid	Seq	Psid	(*Override)	Safe Harbor	MDQ	OFO/OMO %	Flow	Vol	Vol	Btu	Retain %	Туре
01-04-2024	тсо	Dth	0.0	0.0	\$0.00	114.2	\$589.27	ABC Company	12345678	001	123456789	DAILY	NO	143.0	80.0	114.2	0.0	0.2	1.0340	99.0	OMO

Order Descriptions:

- Operational Flow Order (OFO)
 - This is an order issued by Columbia, which directs customers to adjust their scheduled volumes/quantities to match their estimated usage. OFOs may be issued for daily capacity or operational reasons only. OFO is used in Ohio, Pennsylvania and Maryland.

Operational Matching Order (OMO)

 This is an order issued by Columbia, which directs customers to adjust their usage to match volumes/quantities flowing on pipelines. OMOs may be issued for daily capacity or operational reasons only. OMO is used in Ohio, Pennsylvania and Maryland.

CVA Operational Orders BSR:

- Required Flow or Allowable Nomination = 1609
- Standby Vol = 1452
- Nomination = 153.5 (155 before retainage)
- 1609 1452 153.5 = 3.5 Daily Read Volume
- Standby is applied and totaled at the PCID level to reduce required flow
- If Firm is elected, the Company will deliver up to 10% of a Customer's MDV, if the customer has adequate volumes in the bank. If the beginning bank is less than 10% of the MDV, the customer receives the beginning bank volumes as their tolerance volume (at PCID level)
- Over Delivery The customer will be entitled to deliver up to 5% of the maximum prescribed delivery authorized by the company

BSR Date	Unit	Nomination	Monthly Read Volume	Monthly Read Non-compliance Charge	Daily Read Volume	Daily Read Non-compliance Charge	Business Name	Pcid	Seq	Psid	Bank Firm Vol	Actual Usage or MDV	BSR %	Required Flow or Allowable Nomination	Standby Vol
01-15-2019	Dth	153.5	0.0	\$0.00	3.5	\$20.63	ABC COMPANY	12345678	003	987654321	0.0	805.0	100.0	805.0	726.0

Order Descriptions:

- Balancing Service Restriction (BSR)
 - A BSR will direct Customer(s) to adjust their consumption or their daily scheduled deliveries such that the Customer's deliveries to the Company's system will, as closely as practicable, match it's daily consumption or specified portion thereof. BSR is used in Virginia.



CMD Operational Orders OMO/OFO:

- Required Flow or Allowable Nomination = 186.3
- Nomination = 158.4 (160 before retainage)
- 186.3 158.4 = 27.6 Daily Read Volume
- Standby is applied and totaled at the PCID level to reduce the required flow
- Elective Balancing Service (EBS) Option 1 only 5% of the MDQ, if Nom Group's beginning bank is
 equal to or greater than the 5% tolerance. If the beginning Nom Group bank is less than the 5% of the
 MDQ's, the customer receives the beginning bank quantities as their tolerance volume and applied at the
 PCID level to reduce required flow.
- Over Delivery For EBS Option 1 only the PCID is allowed 2.5% (102.5%) tolerance of the maximum prescribed OFO/OMO level.

OFO/OMO Date Unit	Nomination	Monthly Read Volume	OFO Penalty	Daily Read Volume	OMO Penalty	Business Name	Pcid Seq	Psid	Bank Firm Vol	Actual Usage or MDQ	OFO/OMO %	Required Flow or Allowable Nomination	Standby Vol
01-11-2019 Dth	158.4	0.0	\$0.00	27.6	\$792.12	XYZ	12345678 001	10000000	30.9	207.0	90.0	186.3	0.0

Order Descriptions:

• Operational Flow Order (OFO)

 This is an order issued by Columbia, which directs customers to adjust their scheduled volumes/quantities to match their estimated usage. OFOs may be issued for daily capacity or operational reasons only. OFO is used in Ohio, Pennsylvania and Maryland.

Operational Matching Order (OMO)

 This is an order issued by Columbia, which directs customers to adjust their usage to match volumes/quantities flowing on pipelines. OMOs may be issued for daily capacity or operational reasons only. OMO is used in Ohio, Pennsylvania and Maryland.

Nominations











What is Gas Nomination?

- The nomination process is how those who want to transport gas request space on the pipeline (Transco, Nominations Module).
- The principle behind the nominations process is very simple; a shipper enters a nomination to put gas into the pipeline at a receipt point, (usually a production station), and the same nomination states where the gas will be removed from the pipeline at the delivery point. Normal shipper nominations must be balanced, that is the amount of gas into the pipeline must equal the amount of gas out of the pipeline (GasIndustry.CO).
- Columbia Gas Distribution Companies confirm the Timely and Intraday 2 Cycles. Columbia will allow nomination changes for all three intraday cycles listed below.

Columbia Gas Distribution Companies confirm the Timely and Intraday 2Cycles.

Columbia will allow nomination changes for all three intraday cycles.

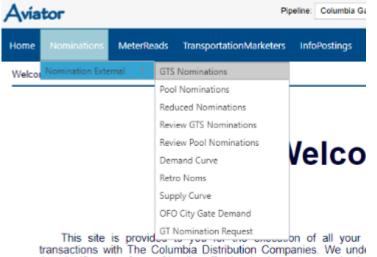
- » Timely Cycle –2pm EST
- » Intraday 1 Cycle –11 am EST
- » Evening Cycle –7 pm EST
- » Intraday 2 Cycle –3:30 pm EST
- » Intraday 3 Cycle –8 pm EST



NOMINATIONS OVERVIEW

Where to Nominate Gas:

Gas Nominations are done within Aviator. Please see the below screenshots of Aviator that show how to get to the gas nominations page.



transactions with The Columbia Distribution Companies. We under the significance of user-friendly, effective business communicatio that supports the needs of customers and the way we do business.



NOMINATIONS OVERVIEW

Pipelines:

- Transcanada (TCO, CPG)
- Panhandle
- ANR
- Transco
- DTI
- TGP
- National Fuel
- TETCO
- East Ohio
- Algonquin

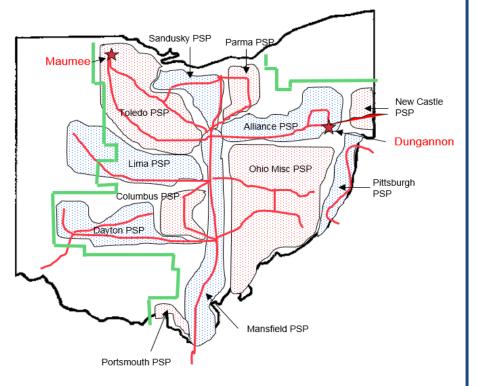
Nominations Core Responsibilities:

- Confirm Supplier and customer Nominations at the city gate.
- Provide support for Suppliers and customers.
- Transact Gas Transfers.
- Monitor nominations and demand curve requirements to ensure compliance with tariff rules and regulations (vary by state).
- Allocate and confirm local gas production.
- Supplier Training.

Nominations Specialist are on call 24 hours a day/7 days a week and can be reached at 614-205-3440 or at <u>GasSchedulers@nisource.com</u>

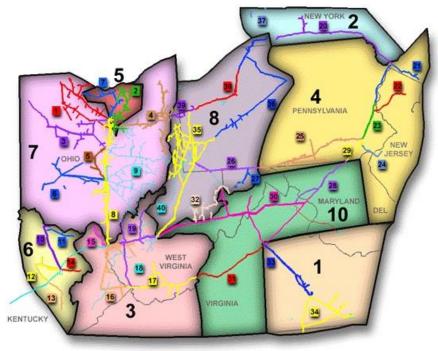
Pipeline Scheduling Point (PSP) Map for COH:

Columbia Gas assigns customers to a Pipeline Scheduling Point or PSP by their zip code. This slide is an example of the different PSPs in Ohio. Each of our states is divided into different PSPs



Columbia Gas Transmission Market Area Map:

The map below shows all the Transmission lines that reach all states that Columbia operates in.



Supplier Confirmation Agreement:

- What is a Supplier Confirmation Agreement?
 - A Supplier Confirmation Agreement is a signed agreement by the customer and the Supplier. The Customer and Supplier agree that the Supplier Confirmation Agreement is only a request that Columbia allows the Supplier access through the Aviator nominations system to deliver gas to the Customer, and in no way is Columbia Gas responsible for monitoring or verifying that the Supplier does not exceed the volume listed on the agreement. The Customer and Supplier further agree that it is the responsibility of the Supplier, not NiSource, to nominate gas in compliance with this agreement.
- Can a Supplier Confirmation Agreement be used?
 - Yes! A Supplier Confirmation Agreement can be used in the 5 LDCs. In Columbia Gas of Maryland and Pennsylvania, the Supplier must be licensed by the PSC / PUC and the customer must be in a Stand-Alone Nom Group



DISTRIBUTION COMPANIES OF COLUMBIA

Columbia Gas of Ohio Columbia Gas of Kentucky Columbia Gas of Pennsylvania Columbia Gas of Maryland Columbia Gas of Virginia

SUPPLIER CONFIRMATION AGREEMENT

Date Sent:	
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Effective Month:

Volume (Dth/Day):

Supplier Name: