

Nominations and Scheduling

Understanding the Scheduling Process

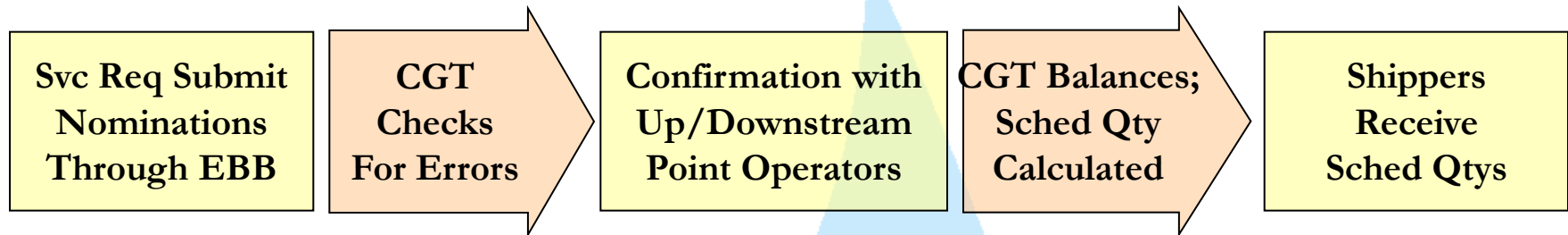


Capacity

**DELIVERING
VALUE**

Reliability • Supply Diversity • Information • Support

Scheduling Process



- Process:
 - Nominate: Service Requestor submits request
 - Confirm: Upstream & Downstream Point Operators
 - Schedule: CGT confirms capacity, transactions are balanced, scheduled quantities reported
- Pipeline compares nominations to operational capacity during confirmation process
 - Any capacity allocations will be done in accordance with the tariff
 - Service type will determine the scheduling priority
- Contracts scheduled in balance
 - Coordination with upstream pipelines

Scheduling Priorities

- Primary Firm Volumes
 - Cuts made on a Pro-Rata basis
- Secondary Firm Volumes
 - Cuts made on a Pro-Rata basis
- Interruptible Volumes
 - Cuts made on a Pro-Rata basis
- Discounted Interruptible Volumes
 - Cuts made based on rate



First Cut – Last Cut

Scheduling Cycles



Before the Gas Day	During the Gas Day
<p>Timely</p> <ul style="list-style-type: none">• 11:30 AM – Nominations Due• 12:00-3:30 PM – Confirmations Done• 4:30 PM – Scheduled Qtys Posted• 9:00 AM (Next Day) – Gas Flow Begins	<p>Intraday 1 (ID1)</p> <ul style="list-style-type: none">• 10:00 AM – Nominations Due• 10:30-1:00 PM – Confirmations Done• 2:00 PM – Scheduled Qtys Posted• 5:00 PM – Gas Flow Begins
<p>Evening</p> <ul style="list-style-type: none">• 6:00 PM – Nominations Due• 6:30-9:00 PM – Confirmations Done• 10:00 PM – Scheduled Qtys Posted• 9:00 AM (Next Day) – Gas Flow Begins	<p>Intraday 2 (ID2) *</p> <ul style="list-style-type: none">• 5:00 PM – Nominations Due• 5:30-8:00 PM – Confirmations Done• 9:00 PM – Scheduled Qtys Posted• 9:00 PM – Gas Flow Begins <p>* Option now available beyond ID2 cycle</p>

- CGT added an “ID2+” nomination period to allow Shippers to better balance their transportation agreements
- ID2+ Nominations:
 - Must be submitted within 3 business days after the Gas Day
 - Must be confirmed by all affected parties
 - CGT must determine if the nomination is operationally feasible
 - It would be very helpful to notify gas control so upstream flows can be adjusted if needed
- ID2+ procedures posted on CGT’s Internet Website
 - Currently implemented as an adjustment to the ID2 scheduled quantity
 - Shipper is not guaranteed that ID2+ noms will be scheduled
 - It is particularly important to make sure forecasted demand has an equal quantity of supply by the ID2 deadline. ID2+ may be available to balance, particularly within the gas day
 - Programming changes are being implemented to formally incorporate into the daily nomination process on the Internet Website

- CGT's reticulated system warrants use of non-pathed nominations
- Non-Pathing is accomplished by:
 - Entering receipt nominations separate from delivery nominations
 - Receipts and Deliveries in balance before submitting nomination
 - Receipt and Delivery capacity is assessed separately and allocated as necessary
 - Any confirmation reduction required by Pipeline accomplished by using receipt or delivery schedule ranks

- Be sure that the end date is correct
 - To submit a nomination for an entire month, the end date should be the first day of the subsequent month
- Receipts must be within 5 Dt of the delivery quantity + fuel
 - A fuel calculator is available on the Nomination Create screen
- FT nominations above MDTQ are not accepted

- Active vs. Passive
 - Active Confirmations
 - If “active” confirmations are selected, the point operator must actively confirm any nomination requesting an increase in flow
 - If “active” confirmations are not made, CGT will schedule the lower of:
 1. previously scheduled quantity; or
 2. current nomination
 - Passive Confirmations
 - The current nomination will be scheduled, subject to any operational reductions made by CGT
 - Passive confirmations is the default

- Scheduled Quantity for Service Requestor
 - What if my needs change within the day?
 - Intraday cycles and ID2+ are helpful tools
- Scheduled Quantity for Point Operator
- Rolling Noms
- Daily average vs. Day-to-Day
 - Shippers are encouraged to nominate supply equal to forecasted demand and make adjustments as needs change
 - This will reduce the risk of OFO's
- If you have individual questions related to scheduling screens, contact your account manager

- The Pre-Determined Allocation (PDA) is selected solely by the Point Operator to determine how delivered quantities will be allocated at a delivery point
- At all virtual points, no election is made
 - Virtual points have no measurement, therefore what is scheduled is allocated
- Allocation variances will reside at the delivery point level

- **Ranked** – lowest rank is allocated first, then next lowest
- **Pro-rata** – based on scheduled quantities (Default)
- **Percentage** – similar to pro-rata, except weighted by provided percentages
- **Swing** – one contract is designated to take the “swing,” all other contracts are kept whole to scheduled quantities
- **Operator Provided Value (OPV)** – Point Operator allocates the gas such that the total allocation matches the meter flow

- PDA elections can impact Shipper imbalances
 - Separate PDA methodologies can be selected for both “low” and “high” burn situations
- PDA election may be modified within 48 hours after the gas day
 - Election made through Internet Website
- For OFO calculation purposes, the PDA in place on the date of gas flow will be used to assess any resulting penalties

PDA Examples

- Pro-rata

		Actual Flow = 12,000 dt	Actual Flow = 8,000 dt
Shipper	Scheduled Quantity	Allocated Delivery	Allocated Delivery
A	2,000	2,400	1,600
B	5,000	6,000	4,000
C	3,000	3,600	2,400
Total	10,000	12,000	8,000

- Rank

			Actual Flow = 12,000 dt	Actual Flow = 4,000 dt
Shipper	Rank	Scheduled Quantity	Allocated Delivery	Allocated Delivery
A	1	2,000	2,000	2,000
B	2	5,000	5,000	2,000
C	3	3,000	5,000	0
		10,000	12,000	4,000

PDA Examples

- Percentage

			Actual Flow = 12,000 dt	Actual Flow = 8,000 dt
Shipper	%	Scheduled Quantity	Allocated Delivery	Allocated Delivery
A	40%	2,000	2,800	1,200
B	10%	5,000	5,200	4,800
C	50%	3,000	4,000	2,000
		10,000	12,000	8,000

- Swing

			Actual Flow = 12,000 dt	Actual Flow = 8,000 dt
Shipper	Swing	Scheduled Quantity	Allocated Delivery	Allocated Delivery
A		2,000	2,000	2,000
B		5,000	5,000	5,000
C	*	3,000	5,000	1,000
		10,000	12,000	8,000



Questions?