



Canadian Gas Transmission & Midstream BC Pipeline

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Enbridge is a leading energy infrastructure company in North America



- \$154B CAD enterprise value
- Strong balance sheet; access to capital
- Balanced portfolio of competitively positioned assets
- Highest quality liquids and natural gas franchises
- 3,400 MW wind power; 150 MW solar power; 57 MW Geothermal & Waste Heat Recovery
- Financially strong and flexible



Welcome to Enbridge!

Canadian Gas Transmission & Midstream



We value your business and look forward to working with you for years to come. We work proactively to focus on customer service and excel at customer responsiveness. This presentation has been developed to introduce you to our BC Pipeline Division.

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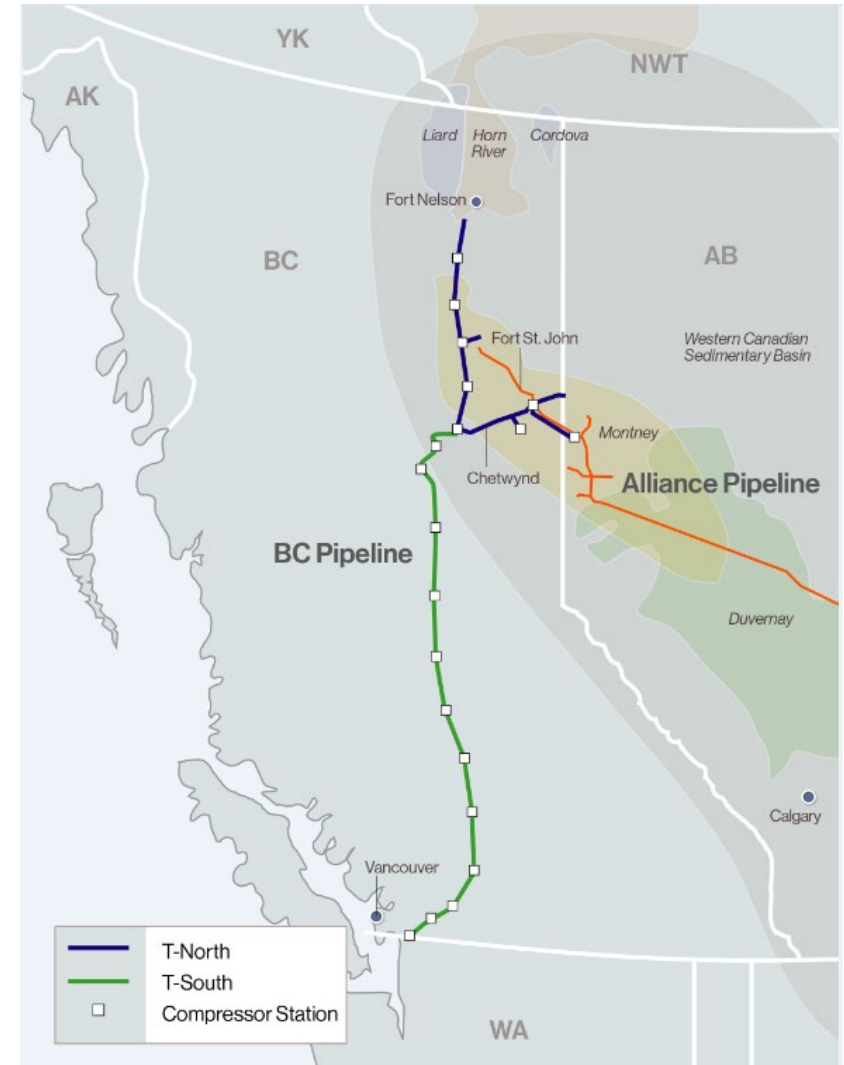
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Canadian Gas Transmission & Midstream

Who We Are

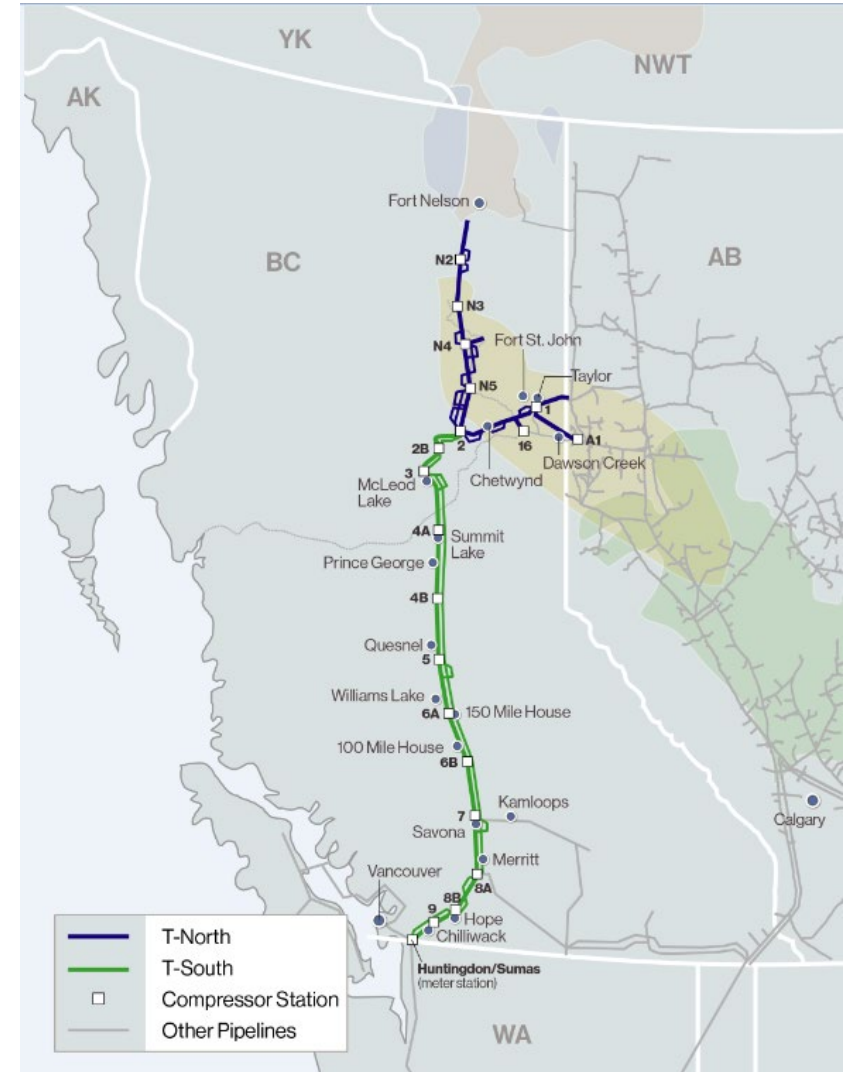
- One of the largest natural gas pipelines in Canada
- Unsurpassed footprint connecting natural gas plays to premium markets – and uniquely positioned to serve growing demands
- 60-year track record in safely, reliably and responsibly constructing and operating natural gas transportation facilities



BC Pipeline

Covering 2,900 kilometers of ground

- Transmission system stretches from Fort Nelson, in northeast British Columbia and from Gordondale at the B.C./Alberta border, southwards to the B.C./U.S. border at Huntingdon/Sumas
- Comprised of two transportation service zones:
 - **Transmission North (“T-North”)**
 - **Transmission South (“T-South”)**
- Length: 2,900 kilometres of transmission pipeline
- Transportation Capacity: 3.4 billion cubic feet of natural gas per day
- Compression Horsepower: 19 mainline compressor stations with a compression horsepower of 787,000
- Interconnects: Eight major 3rd party pipelines



- Transporting ~45 per cent of the gas produced in B.C., with significant growth underway, our pipeline business is the backbone of B.C.'s natural gas industry.
- Supplies 75% of the natural gas pipeline capacity to the Canadian and US Pacific Northwest.
- Fully regulated by the Canada Energy Regulator (CER)



BC Pipeline

Transmission North

The northern section of BC Pipeline is designed to transport

- Various Receipt locations
- Primary Delivery locations
 - Station #2 to T-South
 - Alliance
 - NGTL Sunset Creek
- Bidirectional locations
 - FortisBC Aitken Creek Gas Storage
 - NGTL Gordondale



BC Pipeline

Transmission South

The southern section of BC Pipeline is designed to transport

- Receipt locations
 - Station #2
 - NWP Huntingdon backhaul
- Delivery locations
 - PNG Summit Lake
 - FortisBC BC Gas Interior
 - Huntingdon/Sumas Export Delivery
- Bidirectional locations
 - FortisBC Kingsvale



BC Pipeline

Huntingdon / Sumas Export Delivery

- Major delivery point to BC Lower Mainland and export into the United States
- Winter capacity flow of 1.7 bcf/d
- Delivery connections to:
 - FortisBC Lower Mainland
 - Northwest Pipelines
 - Arco / BP
 - Cascade
 - Enco (PSE)



BC Pipeline

Commercial Operations Overview

- Request for New Service – Contract
- Tolls
- Nominations / Gas Scheduling
- Station 2 Accounts
- Outage Information
- Measurement
- Daily Estimate Allocations
- Month End Allocations
- Invoicing
- Customer Interface
- Key Contacts



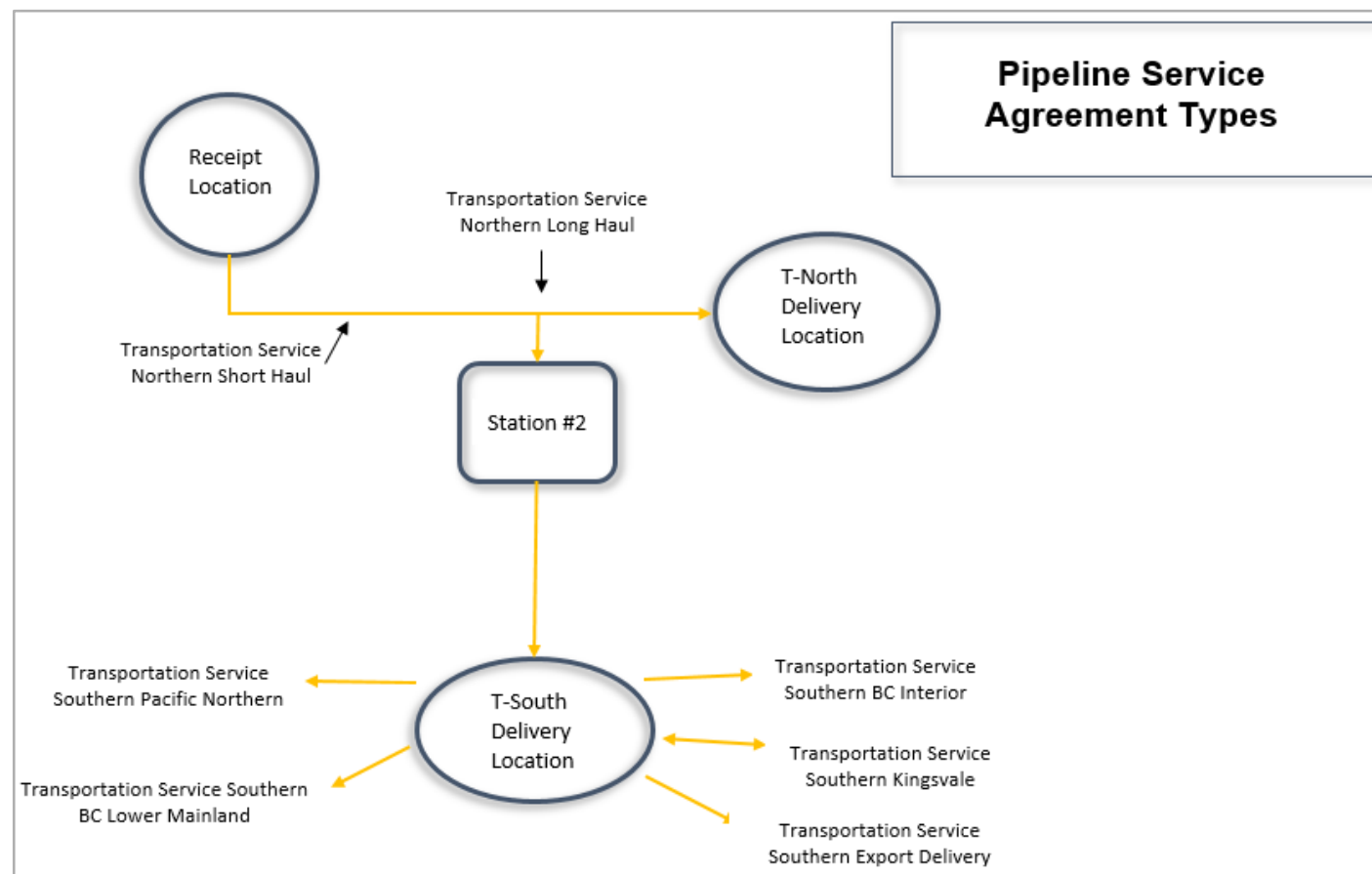
Request for New Service – *How to Contract*

- Contact your Commercial Specialist for assistance in requesting new service and/or renewing existing contracts
- Determine which service(s) and type of service (firm and/or interruptible) you need for your specified location(s)
- Check for available capacity for that specific location on the monthly Customer Interface (CI) posting
- Apply for service by sending in a bid request
- Service awarded, contract signed and service begins

BC Pipeline

Request for New Service – *Transportation Services Offered*

- **TNLH** - Transportation Service Northern Long Haul
- **TNSH** - Transportation Service Northern Short Haul
- **TSEXP** - Transportation Service Southern Export Delivery
- **TSLM** - Transportation Service Southern Lower Mainland
- **TSPNG** - Transportation Service Southern Pacific Northern Gas
- **TSIND** - Transportation Service Southern BC Interior
- **TSKV** - Transportation Service Southern Kingsvale



Tolls are calculated based on Gas Service Zones

- **Zone 3 – Transportation Northern (T-North)**
 - Two types of toll: long haul or short haul
 - Tolls are calculated based on volume, distance and term
- **Zone 4 – Transportation Southern (T-South)**
 - Tolls are calculated based on volume, distance and term

For more information go to:

[Transportation Service – Northern Long Haul and Short Haul, and Temporary Firm Service](#)
[Transportation Service - Southern](#)

Nominations / Gas Scheduling

- BC Pipeline is deemed a 'scheduled' pipeline and follows the NAESB rules
- Gas Day is 9:00 a.m. to 9:00 a.m. Central Clock Time (CCT)

Note: CCT is one hour ahead of Mountain Time (MT); two hours ahead of Pacific Time (PT)

- **Five Nomination Cycles**

Two nomination cycles available one day prior to Gas Day		
	Deadline	Effective For
Timely	13:00 CCT	09:00 CCT (next day)
Evening	18:00 CCT	09:00 CCT (next day)
Three nomination cycles available on the Gas Day		
	Deadline	Effective For
ID1 – Intraday 1	10:00 CCT	14:00 CCT
ID 2 – Intraday 2	14:30 CCT	18:00 CCT
ID 3 – Intraday 3	19:00 CCT	20:00 CCT

Nominations / Gas Scheduling

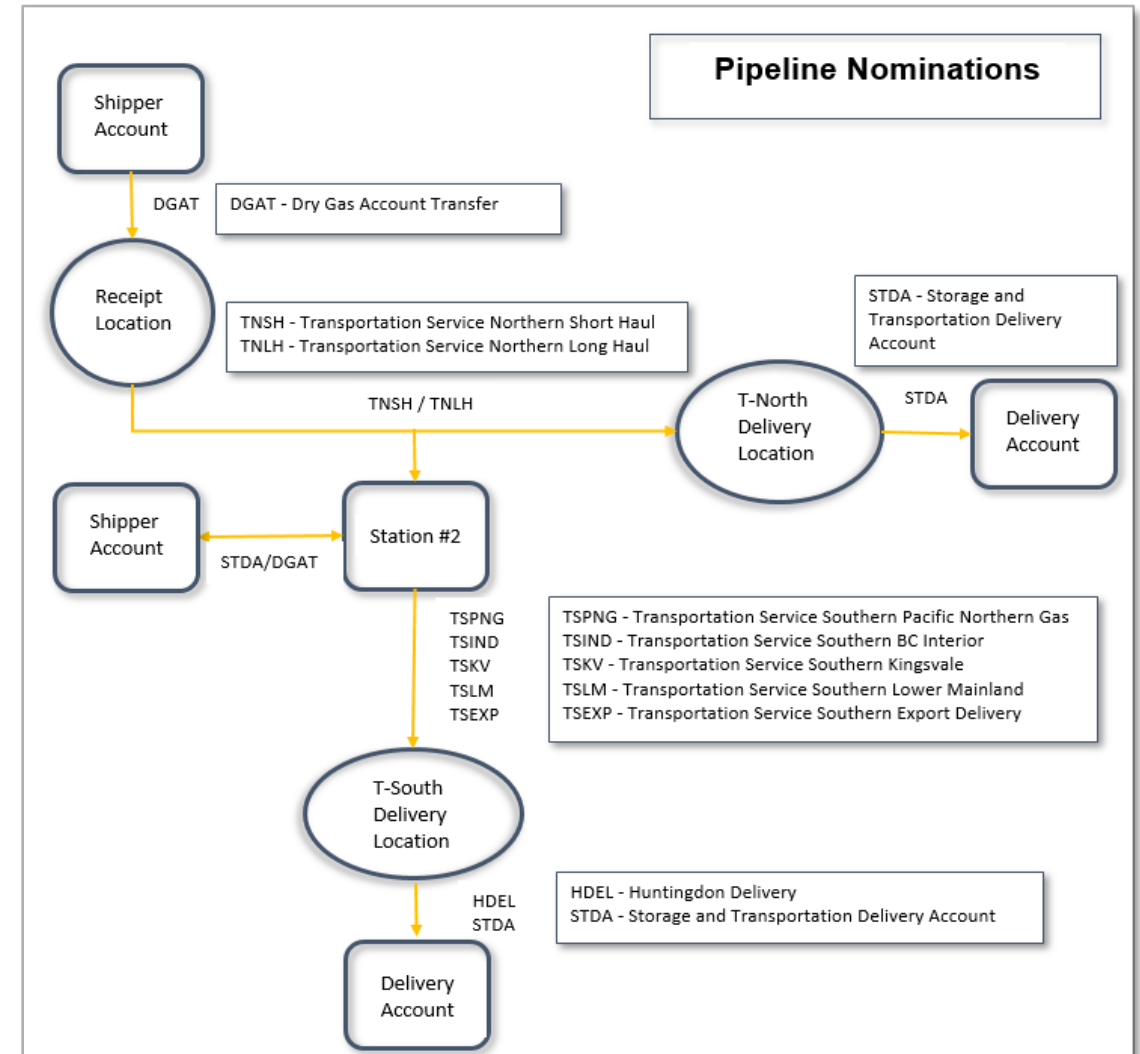
Types of Transportation Nominations

Transportation North

- TNLH - Long Haul
- TNSH - Short Haul

Transportation South

- TSPNG - Pacific Northern Gas
- TSIND - BC Interior
- TSKV - Kingsvale
- TSEXP – Export Delivery
- TSLM – Lower Mainland



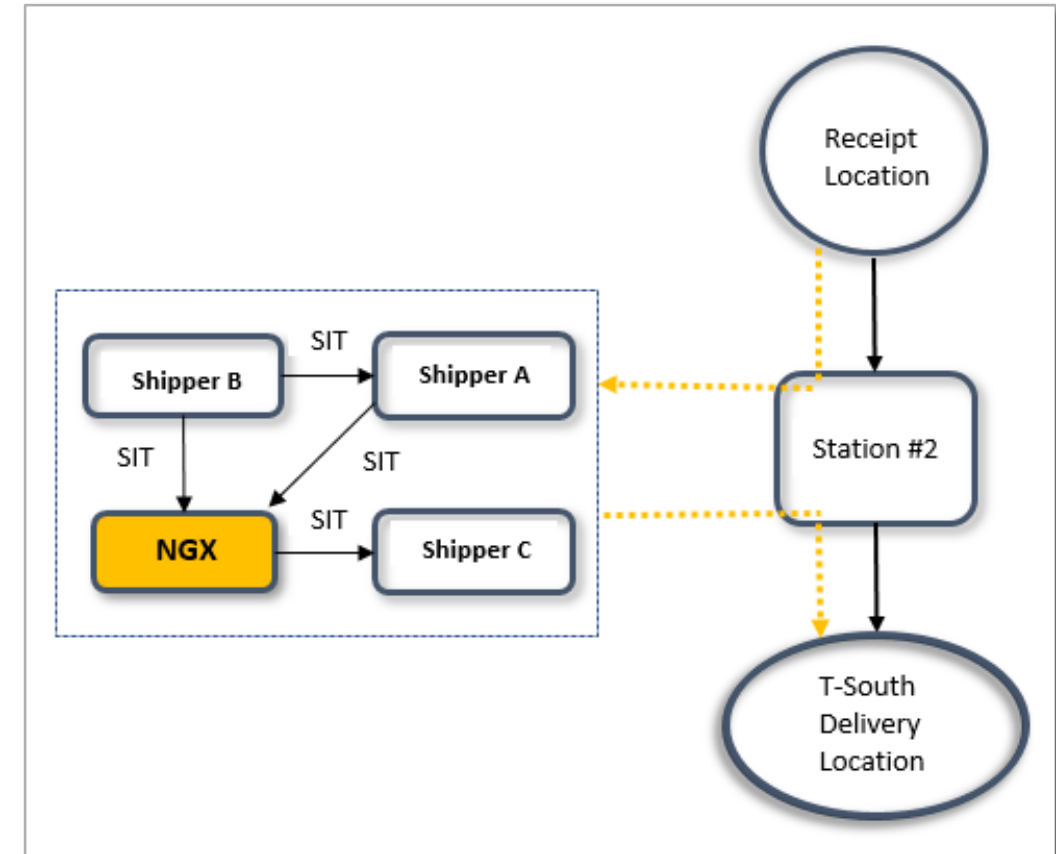
The process followed to schedule the pipeline is:

- Confirm Contract Entitlements
- Match Demand
- Match Supply
- Allocate Capacity
- Schedule the Pipeline
- Flow the Gas



Station #2 Accounts

- A shipper with an upstream balancing account and / or transportation service at Station #2 will be set up with a Station #2 account
- With this, a shipper can trade gas in and out of their account using a Shipper Inventory Transfer (SITs)
- The transfers do not follow the regular gas scheduling process, the deadline is 10:00 a.m. Mountain Time for the next calendar day
- Transactions at NGX may be facilitated by using the ICE/NGX trading platform. Data is uploaded twice a day to NGX for account balancing



Outage Information

- Annual and Weekly Planned Outage Schedules are initially posted as Notices and made available on the web site under Informational Postings
- For more information, go to: [Informational Postings](#)



- Pipeline measurement data is finalized on or before the 12th of each month
- Types of measurement and recording devices used on BC Pipeline:
 - Orifice meters
 - Gas turbine meters
 - Ultrasonic meters
 - EFM – electronic flow measurement

More information can be found in the Shipper Handbook - [Residue Pipeline System Measurement Policy](#)

Daily Estimate Allocations

- Scheduled nominations are confirmed by receipt and delivery location
- Measurement is confirmed by receipt and delivery location
- The difference between what is scheduled and what is measured is managed through:
 - Supply Imbalance processes for receipt locations
 - Operational Balancing Agreement (OBA) for delivery locations

Month End Allocations

- Month end deadlines: [Measurement and Allocation Deadlines](#)

- Service invoice for:
 - Transmission
 - Shipper Inventory Transfer (SITs) – information only
- Pipeline invoice is generated and sent out monthly based on the previous month's scheduled transportation
- Invoices are published on the CI web site on or before the 21th of the month (see [Measurement and Allocation Deadlines](#))
- Payment is due on or before the 25th day of the current month or five business days after receiving the invoice



Carbon Tax (CBT)

- B.C. Government tax applied to all emissions from combustion of fossil fuels in B.C.
- Tax rate is derived from the amount of greenhouse gas emissions (GHG) generated from burning fossil fuels
- It is based on the amount of fuel used to operate compressors on the pipeline. It is pro-rated based on the total amount of fuel used divided by the amount of gas transported for each shipper for the month

Motor Fuel Tax (MFT)

- B.C. Government tax applied to 'marketable gas'
- Tax is based on the amount of fuel used to operate compressors on the pipeline. It is pro-rated based on the total amount of fuel used divided by the amount of gas transported for each shipper for the month
- Applied to transportation services only

Contact Us:



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If you have received only a hard copy of this document, please find the links on: <https://noms.wei-pipeline.com>

