North America’s leading liquids pipelines network

Premier Liquids Pipeline Franchise

Best in Class Assets
- Integrated North American system
- Demand pull pipelines connect premium markets
- Access to all major supply basins

2019 Accomplishments
- Record operating performance
- ~100kbpd Mainline optimizations
- Line 3 Canada in commercial service Dec. 1
- Initiated Mainline contracting process
Growing crude oil supply increasingly directed to the USGC for both refining and export

Source: Wood Mackenzie Inc.

North American Crude Oil Supply Outlook

USGC Refining Capacity

Strong Crude Oil Supply Fundamentals

North American Oil is in the World’s Best Interest

Recoverable oil by nation

ESG Scores (aggregated)

U.S and Canada have large recoverable resources and are among the most sustainably developed

Sources: ESG Scores – aggregation using an equal weighting (1/3) for each of Yale Environmental Performance Index, Social Progress Index and World Bank Governance Index. *Complete aggregated ESG data unavailable for Iraq. Reserves - Rystad
WCSB Heavy Crude Fundamentals

WCSB Heavy Crude Growth Outlook (MMbpd)

- WCSB Heavy Crude
- WCSB Medium & Synthetic
- WCSB Light

~1 MMbpd growth by 2030

New Oil Sands SAGD Project Break Even Cost ($WTI/Bbl)

- 34% Decrease in new project break-even

Oil Sands Environmental Performance (tCO2e/bbl bitumen)

- California Heavy
- Middle East Heavy
- Venezuelan Heavy
- Average U.S. Light Production
- Proposed New Oil Sands Project

WCSB sustainability and growth supported by advancement in cost efficiencies & environmental performance

Source: Wood Mackenzie Inc, CERI, IHS, Enbridge estimates

USGC Heavy Oil Supply & Demand

Global Heavy Crude Supply Changes

- Traditional Suppliers

Canadian Heavy Market Share of USGC

- ~5%
- ~30%
- 50+%

Falling Mexican/Venezuelan production presents opportunity for WCSB heavy to meet strong USGC demand

Source: Wood Mackenzie Inc., Rystad, Enbridge estimates
WCSB Egress & Producer Netbacks

WCSB Supply* vs Egress

Enbridge system delivers heavy and light barrels to premium markets

Premium Markets on Enbridge System

Crude Oil Export

Current USGC Export Facility Capacity (MMbpd)

USGC Export Outlook (MMbpd)

Opportunity to develop VLCC loading and terminaling assets to serve growing exports

Source: Wood Mackenzie Inc. *Supply includes NGL, U.S. receipts, and Refined Products but does not reflect AB curtailment

Source: Wood Mackenzie Inc, EIA, Enbridge estimates
Focused on Community & Indigenous Engagement

**Engagement Model**
- Community engagement focused on alignment with local stakeholders
- Evolution to ongoing community presence
- Increased participation

**L3R Success in Canada**
“Enbridge addressed our concerns and supported our aspirations by investing in our people and working with us to improve our infrastructure and enhance social programs.”
Select Canadian First Nations Leaders, Open Letter, Aug 2019

**L3R Success in Minnesota**
Fond du Lac Band of Ojibwe: Extension of easement to 2039
Leach Lake Band of Ojibwe: Accommodation of re-route around reservation led to support at MPUC

Enbridge’s local stakeholder engagement strategy underpins successful project execution

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**Liquids Pipeline - Strategic Priorities**

**Optimize the Base Business**
- Increase system efficiency
- Execute Mainline contracting
- Execute 2020 Mainline system capacity optimizations
- Cost management

**Execute Secured Capital Program**
- Place Line 3 replacement into service in the U.S.
- Place Southern Access Expansion to 1.2MMbpd into service

**Grow Organically**
- Enhance and extend liquids value chain:
  - Expand regional gathering systems
  - Further Mainline optimizations
  - Expand Market Access pipelines
  - Advance USGC value chain extension

Focus on expansion and optimization of existing assets and extension of value chain into USGC
Optimize Base Business

### Significant Revenue and Cost Efficiencies

**Revenue Growth**
- Toll escalators and contact ramps
- System optimizations

**Cost Management**
- Supply chain efficiencies
- Power cost management
- Streamline operations

By optimizing the base, an annual growth of ~2% DCF per year can be achieved.

A range of initiatives will drive total annual base business growth of ~2% DCF per year.

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Optimize Base Business

### Attractive Mainline Term Contract Offering

**Shipper Benefits**

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<tr>
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<th>Cost of Service</th>
<th>Incentive Tolling Agreements (ITA)</th>
<th>Competitive Toll Settlement (CTS)</th>
<th>Term Contract Offering</th>
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Term contract offering fully aligns with shipper interests; Moving forward with application to the CER.
Enbridge expects a thorough and fair regulatory process; remains committed to contracting the Mainline
Optimize Base Business

WCSB Egress Additions

- Much needed WCSB egress ahead of full Line 3 Replacement project
- Aligned commercial interests with shippers
- Capital efficient projects
- Attractive risk-adjusted returns on investment

<table>
<thead>
<tr>
<th>2019 Mainline Optimizations</th>
<th>100 kbdp</th>
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<tbody>
<tr>
<td>2020 Mainline Optimizations</td>
<td>50 kbdp</td>
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<tr>
<td>2020 Express Pipeline Expansion</td>
<td>50 kbdp</td>
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</tbody>
</table>

100 kbdp of optimization completed in 2019; additional ~100 kbdp of planned incremental WCSB egress in 2020

Execute Secured Capital Program

Line 3 Replacement

Canada
- Placed into service Dec. 1
  - Immediately enhances safety and reliability of the system
  - Interim surcharge of US$0.20 per barrel

United States
- Progress on regulatory and permitting milestones
  - 401 Water Quality Certification re-submitted
  - Dec 9: Department of Commerce completed amended Environmental Impact Statement
  - Jan 16, 2020: Public comment period concludes
  - State agencies continue to advance work in parallel with MPUC process

Critical integrity replacement project supporting the recovery of 370 kbdp of WCSB egress
Execute Secured Capital Program

Line 3 Replacement - Minnesota Project Milestones

**Anticipated Sequence of Milestones**

**Regulatory:**
- MPUC

**State Permitting:**
- Pollution Control Agency
  - Spill Modelling Complete
  - Public Consultation
  - EIS Adequacy Decision
  - Reinstated 401 CN / RP

**Federal Permitting:**
- US Army Corp Engineers
  - Finalize Permitting Work

**Construction:**
- Line 3 Replacement - Minnesota Project Milestones
  - Execute Secured Capital Program
  - EIS
  - Spill Modelling Complete
  - EIS Adequacy Decision
  - Reinstated 401 CN / RP

**Authorization to Construct**

Will have greater clarity on specific timing of key regulatory and permitting milestones in the coming months.

**Grow Organically**

**Extend Integrated Value Chain**

1. Expansions of incumbent position in growing upstream production basins
2. Additional Mainline optimization capability to core markets
3. Expansions of downstream market access pipelines to increase capacity into USGC
4. Grow Houston terminal presence to land growing heavy and light crude supply for distribution or export
5. Develop VLCC capable offshore export facility

Leverage leading incumbent positions to extend the value chain into USGC logistics and export.
Grow Organically

1 Regional Pipelines

**Regional Oil Sands**
- Oil sands development will drive need for regional infrastructure
- Trunkline expansion potential: Athabasca, Woodland, Wood Buffalo
- Norlite diluent pipeline expansion potential
- Lateral connections

Extremely well-positioned to aggregate growing regional production for downstream transportation/export

**Bakken Pipeline System**
- Growing Bakken production will require pipeline solutions
- Bakken Pipeline System - DAPL & ETCOP open seasons underway
- Expandable to up to 1.1 MMbpd

$1.0B in opportunities

Grow Organically

2 Potential WCSB Export Capacity Additions

**Further Mainline Enhancements**
- System optimization and enhancements post-2021
- ~200kbpd of incremental throughput

$1.5B in opportunities

**Southern Lights Reversal**
- Condensate supply/demand fundamentals in WCSB expected to reduce requirement for imported supply
- Reverse and convert to crude oil export service, dependent upon WCSB, condensate energy is needed

$1.5B in opportunities

Additional executable WCSB export capacity alternatives subject to future shipper demand
Grow Organically

3 Market Access Expansions

- Mainline optimizations and Southern Access Expansion will enable volume growth into Chicago market
- Drives need to increase market access pipelines
  - Flanagan South expansion of 250kbpd into Cushing terminals and USGC markets and export facilities
  - Southern Access Extension expansion of 100kbpd to Patoka region

Further market access needed to facilitate delivery of growing supplies to market

Grow Organically

4 USGC Growth Strategy

Fully develop the value chain of service offerings into the USGC
- Pipeline solution for growing production
- Terminals – store and stage crude
- Last mile connectivity to refineries
- Export opportunities including VLCC loading

Heavy crude value chain: Unparalleled
- Focused on enhanced connectivity

Light crude value chain: Developing
- Evaluating upstream and downstream extension opportunities

Largest demand center; extend value chain to touch barrels at multiple points prior to end use delivery
Grow Organically
Advancing the USGC Strategy

- **Seaway expansions**
  - 200kbd light crude open season
  - Further expandability for heavy growth
- **Enbridge Jones Creek terminal**
  - Up to 15 MMBbl terminal connected to Seaway with full distribution and export access
  - 100% own/operate; Target Phase 1 ISD 2022
- **Enbridge/Enterprise Offshore Terminals**
  - Enbridge ownership option on SPOT
  - Joint marketing and development of SPOT followed by Texas Colt

Expansion of USGC value chain into terminaling and exports

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**Liquids Pipelines - Summary**

- Critical link from WCSB to premium Midwest and USGC refining markets
- Leverage existing footprint to extend value chain through to USGC export

- **~2% per year base business growth post-2020**
  - Mainline toll framework
  - Throughput optimization
  - Toll indexing
  - Efficiency & productivity
- **~$4B Secured projects in execution**
  - Line 3 Replacement U.S.
  - Southern Access Expansion
- **~$2B per year future development opportunities**
  - System optimizations & enhancements
  - Market expansions
  - Regional system access expansions
  - USGC export infrastructure
Q&A