Joe Pollard

Director, Long Term Marketing

May 5, 2016

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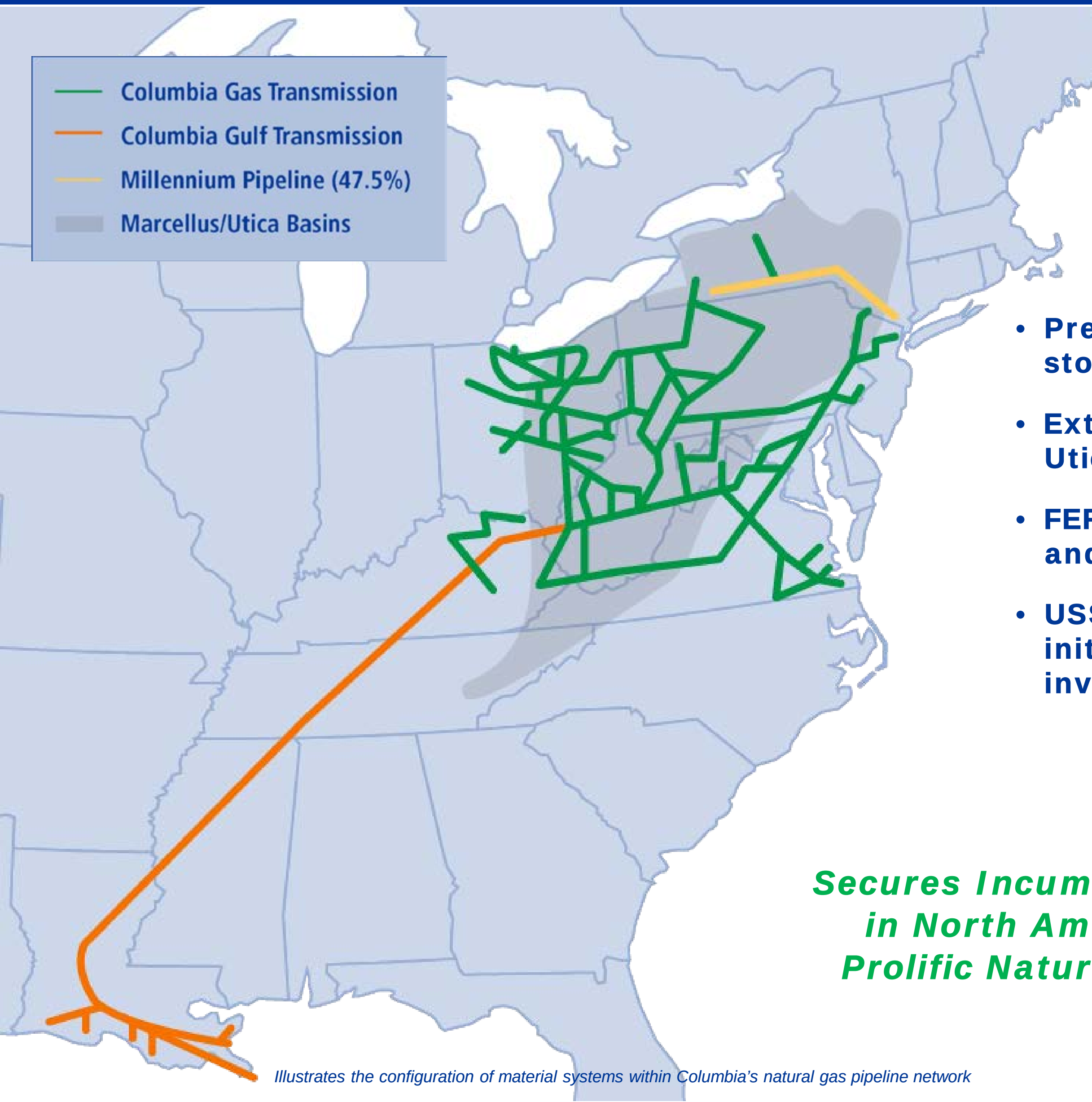
Acquisition of Columbia Pipeline Group – Strategic Rationale



- **Premium natural gas pipeline and storage assets**
- **Extensive position in the Marcellus and Utica shale regions**
- **FERC regulated assets generate stable and predictable earnings and cash flow**
- **US$7.3 billion portfolio of growth initiatives and modernization investments**

Secures Incumbency Position in North America's Most Prolific Natural Gas Basins

Illustrates the configuration of material systems within Columbia's natural gas pipeline network

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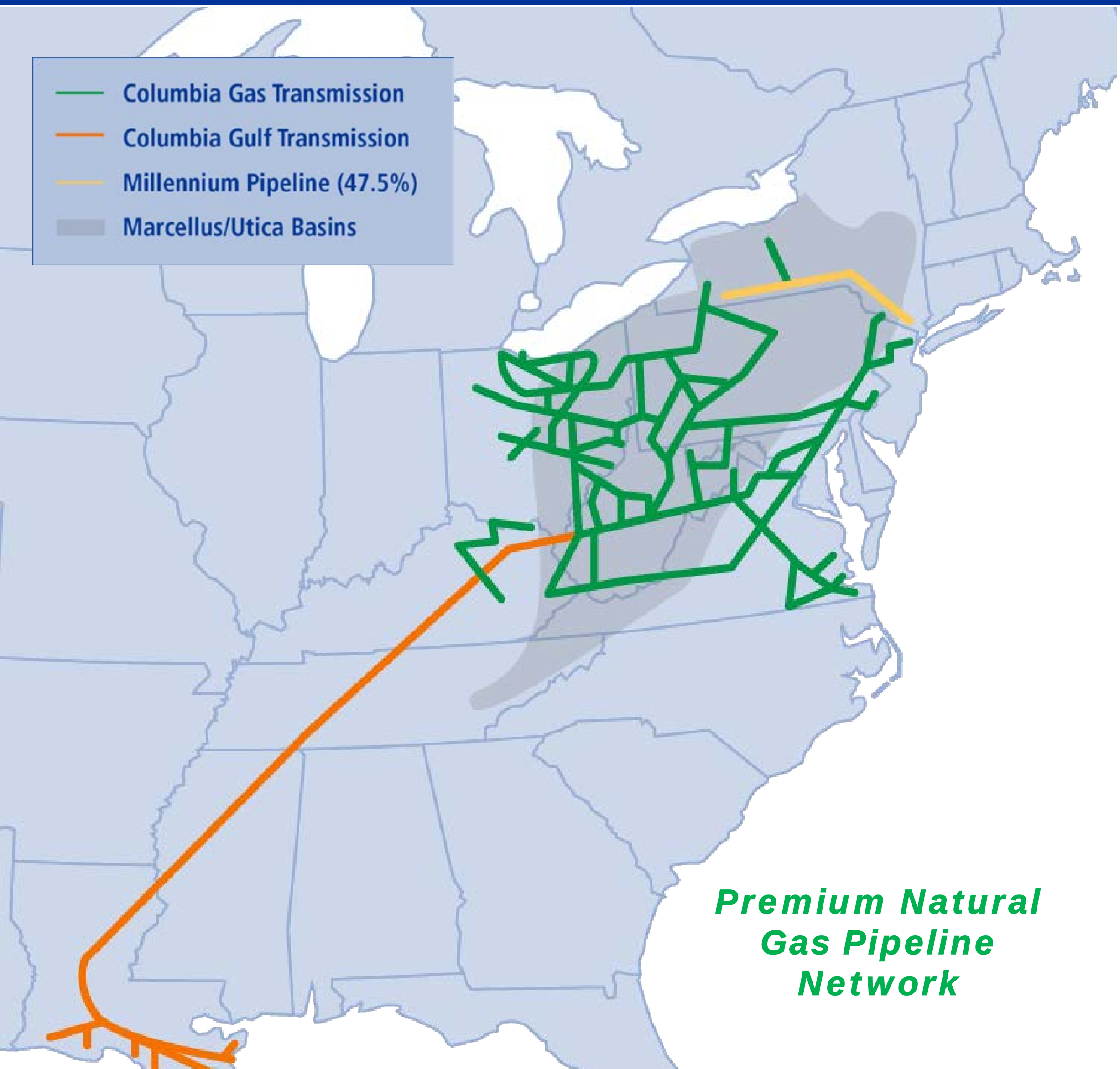
Columbia Pipeline Group Asset Overview



Illustrates the configuration of material systems within Columbia's natural gas pipeline network

- **Columbia Gas Transmission**
  - 11,272 mile (18,141 km) FERC pipeline with average throughput of 3.9 Bcf/d
  - 286 Bcf of working gas storage capacity
  - Strong base business undergoing significant expansion to connect growing Marcellus/Utica supply
- **Columbia Gulf Transmission**
  - 3,341 mile (5,377 km) FERC pipeline with average throughput of 1.5 Bcf/d
  - System reversal and expansion offers competitive path to the Gulf Coast
- **Millennium Pipeline (47.5% interest)**
  - 253 mile (407 km) FERC pipeline with average throughput of 1.1 Bcf/d
  - Connects Pennsylvania supply to New York market

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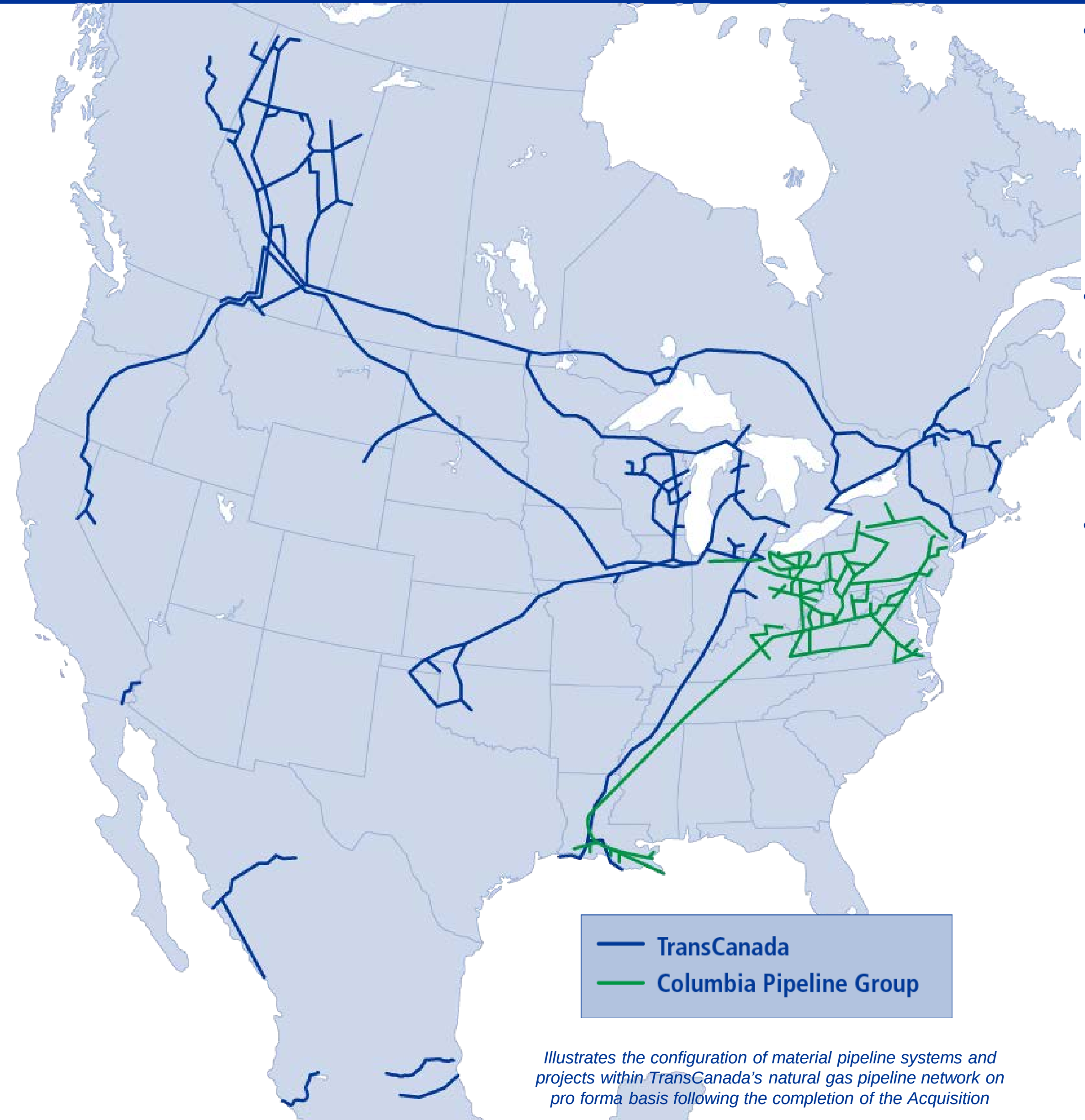
Combined Natural Gas Pipeline Footprint



Illustrates the configuration of material pipeline systems and projects within TransCanada's natural gas pipeline network on pro forma basis following the completion of the Acquisition

- **One of North America's largest regulated natural gas transmission businesses**
  - 91,000 km (56,900 miles) of gas pipeline
  - 664 Bcf of storage capacity
- **Complements our existing regulated natural gas pipeline and storage assets**
  - Long-term, fee-based contracts
  - Diversified customer base
- **Adds to basin diversification and access to large markets**
  - Established position in the Appalachia, the fastest growing gas production basin in North America
  - Improves access to U.S. Northeast, Midwest, Mid-Atlantic and Gulf Coast markets

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Acquisition Key Takeaways

- **Acquisition creates one of North America's largest regulated natural gas transmission businesses**
- **Complements our existing assets**
- **Adds to basin diversification and access to large markets**
- **Provides another platform for continued organic growth**
- **Agencies affirmed 'A' credit rating following the announcement**

Builds on Track Record of Delivering Shareholder Value

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Marketing Fundamentals and Supply Update

May 5, 2016

Colin Strom
Manager, Short Term Marketing & Optimization

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Disclaimer : Forward Looking Information

This presentation includes certain forward looking information to help current and potential investors understand management's assessment of our future plans and financial outlook, and our future prospects overall. Statements that are forward-looking are based on certain assumptions and on what we know and expect today and generally include words like anticipate, expect, believe, may, will, should, estimate or other similar words. Forward-looking statements do not guarantee future performance. Actual events and results could be significantly different because of assumptions, risks or uncertainties related to our business or events that happen after the date of this presentation. Our forward-looking information is based on the following key assumptions: inflation rates, commodity prices and capacity prices, timing of debt issuances financing and hedging, regulatory decisions and outcomes, foreign exchange rates, interest rates, tax rates, planned and unplanned outages and the use of our pipeline and energy assets, integrity and reliability of our assets, access to capital markets, anticipated construction costs, schedules and completion dates, land acquisitions and divestitures.

Our forward looking information is subject to risks and uncertainties, including but not limited to our ability to successfully implement our strategic initiatives and whether they will yield the expected benefits, the operating performance of our pipeline and energy assets, economic and competitive conditions in North America and globally, amount of capacity sold and rates achieved in our pipelines business, the availability and price of energy commodities, the amount of capacity payments and revenues we receive from our energy business, regulatory decisions and outcomes, outcomes of legal proceedings, including arbitration, performance of our counterparts, changes in the political environment, changes in environmental and other laws and regulations, competitive factors in the pipeline and energy sectors, construction and completion of capital projects, cost for labor, equipment and material costs, access to capital markets, interest and foreign exchange rates, weather, cyber security and technological developments, and economic conditions in North America as well as globally. You can read more about these risk factors and others in reports we have filed with Canadian securities regulators and the U.S. Securities and Exchange Commission (SEC) and available at www.transcanada.com.

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Marketing Fundamentals & Supply Update

- GTN Overview
- North American Supply & Demand
- Supply Fundamentals
- Market Fundamentals
- Value Overview
- Opportunities & Impacts to GTN Value

GTN Overview

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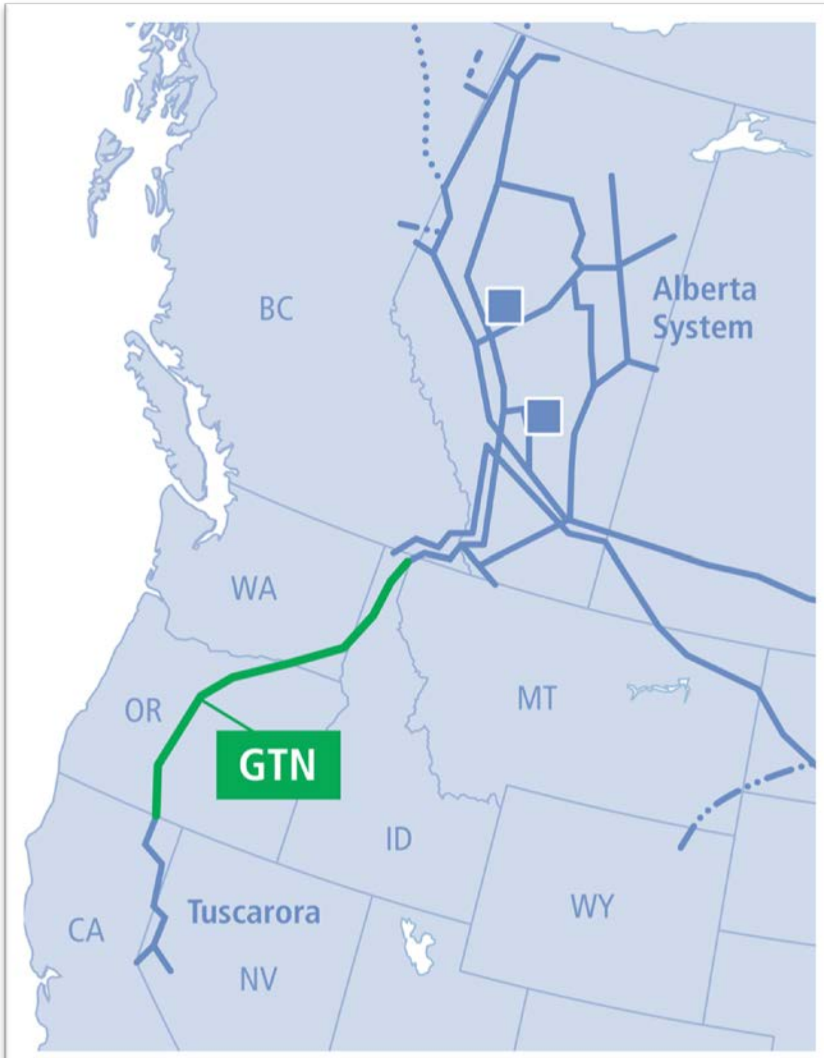
Operating Parameters



- **Positioned to serve markets in California, Nevada, and the Pacific Northwest**
- **Consists of 1,350 miles of pipeline**
- **Capacity of 2.81 Bcfd at the U.S. border and 2.23 Bcfd at the California border**
- **Long-term contracts extending out to 2023**
- **Volume throughput has been strong and growing through 2015/2016**

North American Supply & Demand

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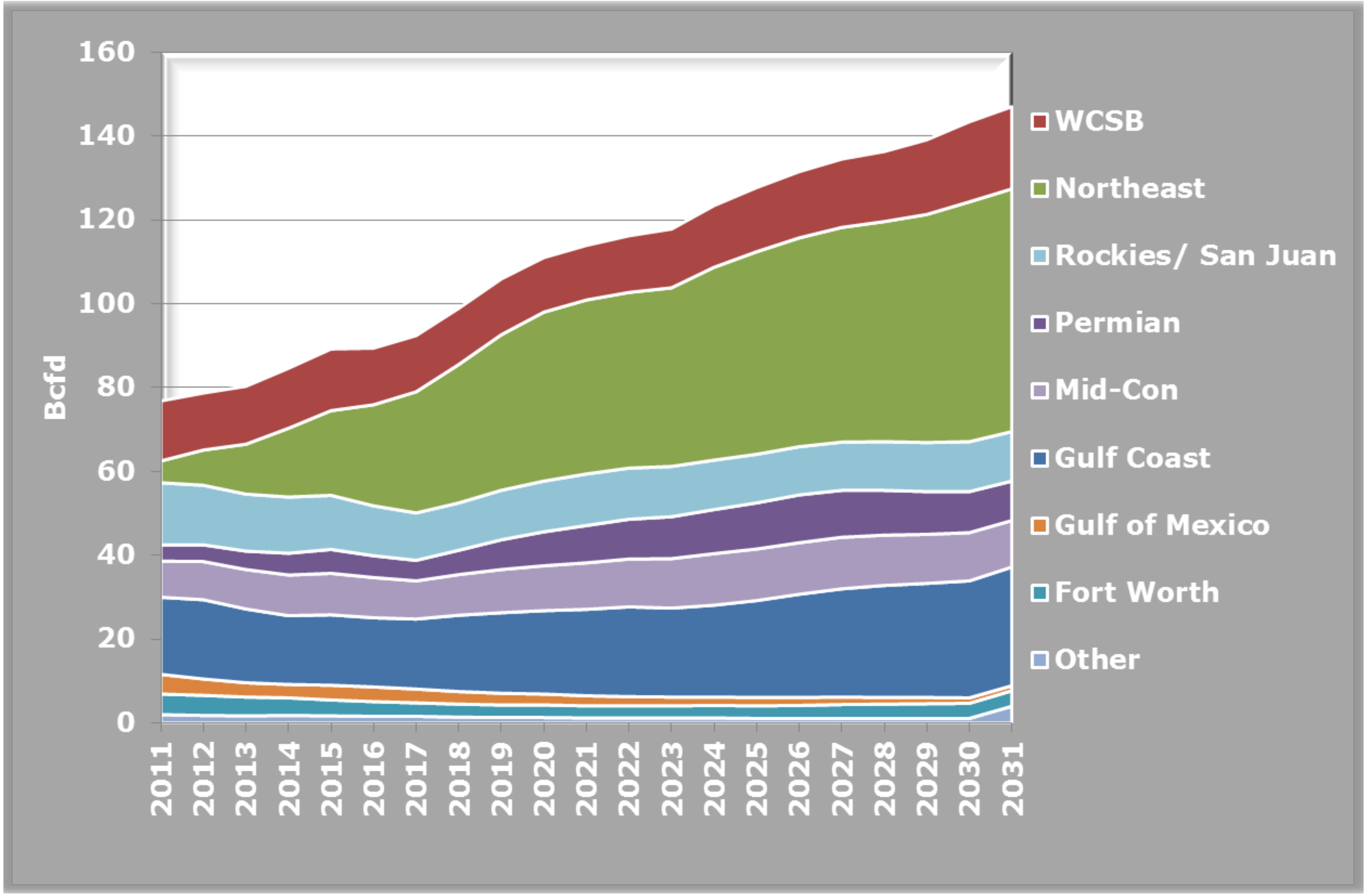
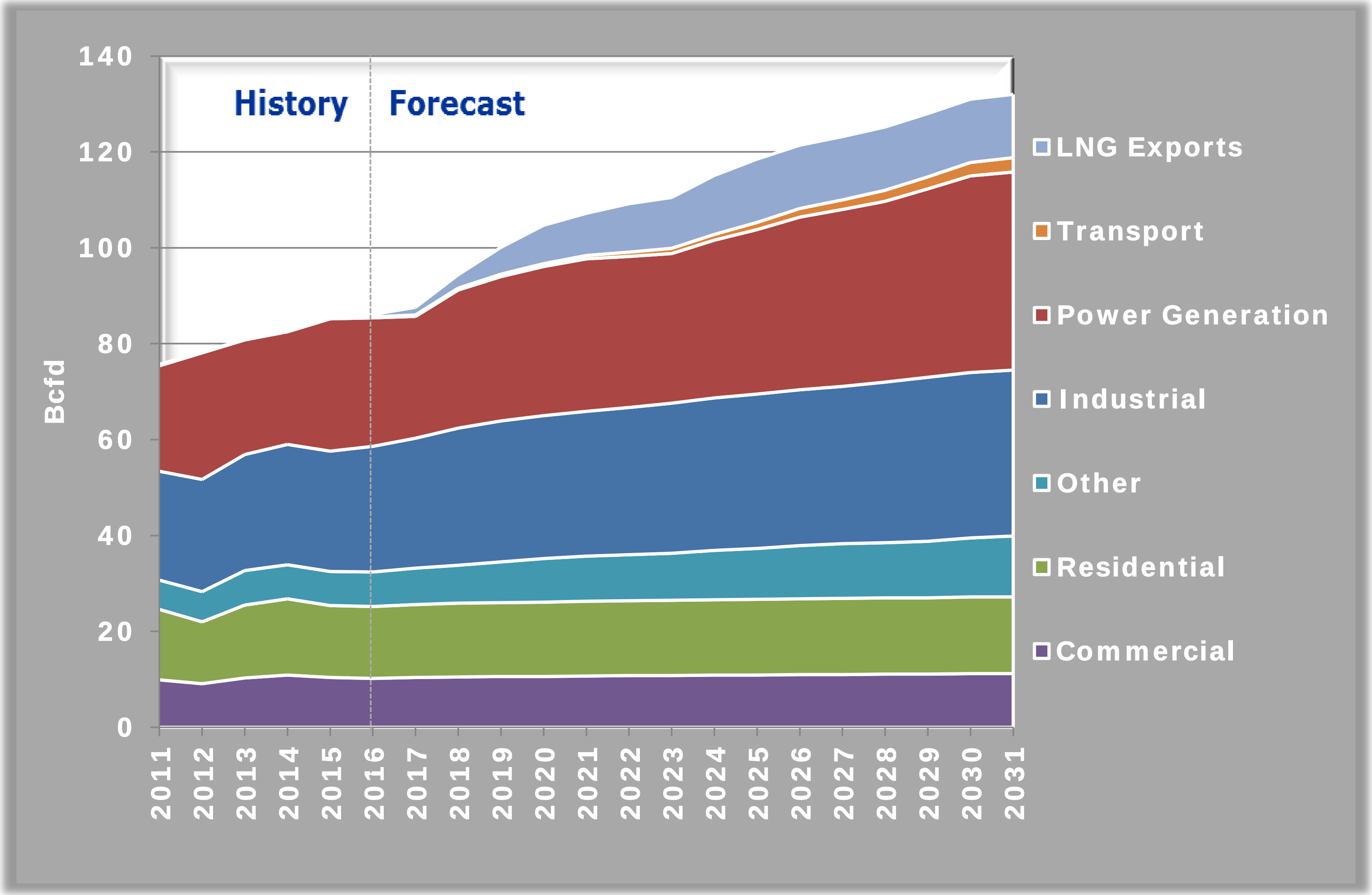
North American Supply
2016 TransCanada Outlook



Source: Wood Mackenzie

North American Demand

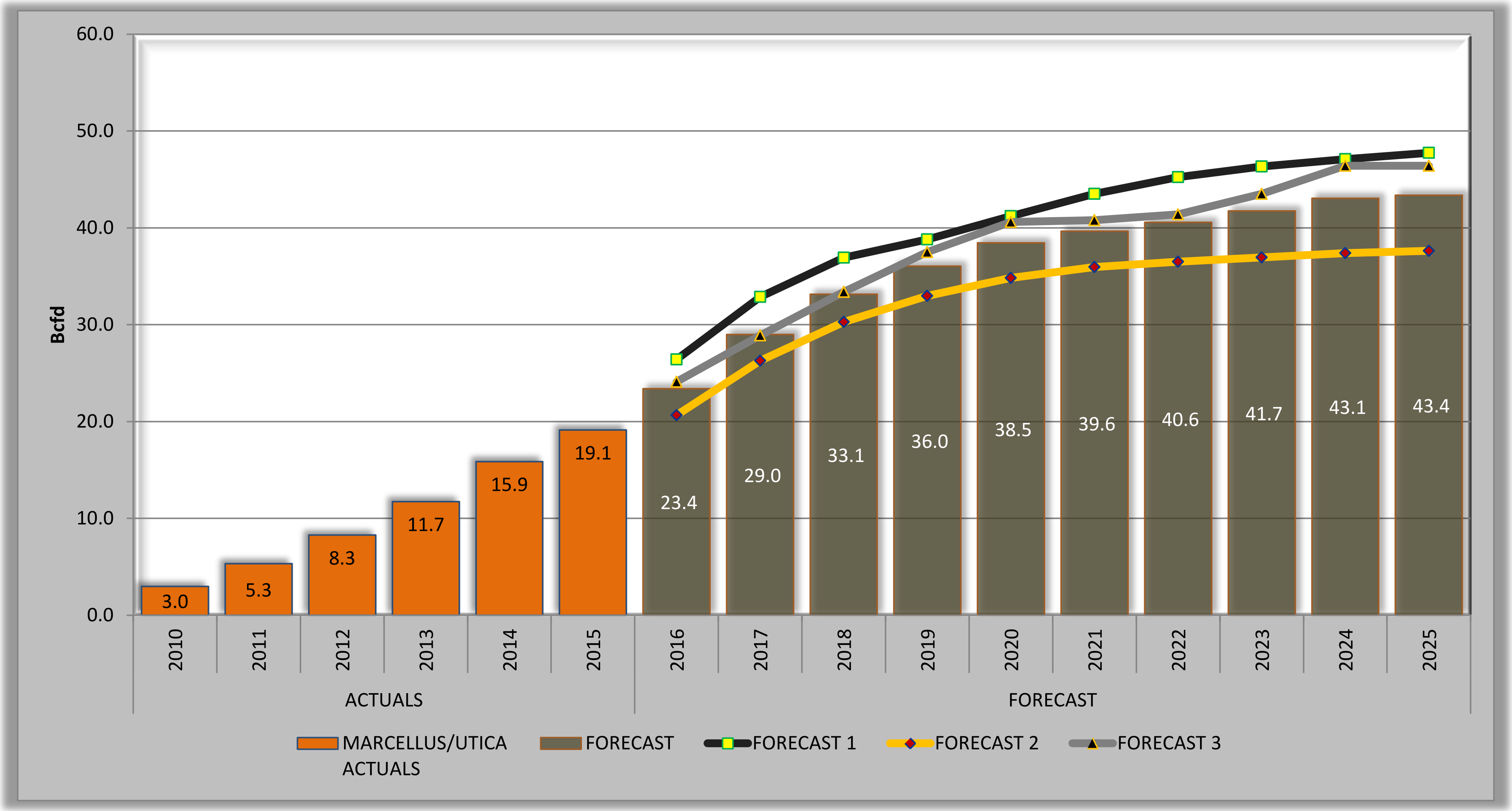
2016 TransCanada Outlook



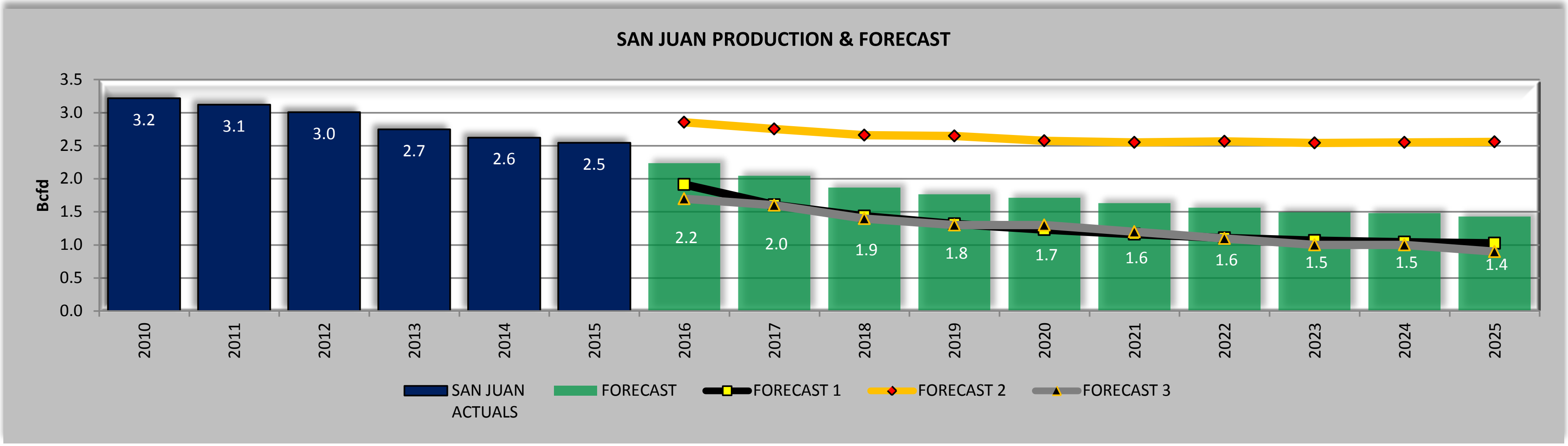
Source: Wood Mackenzie

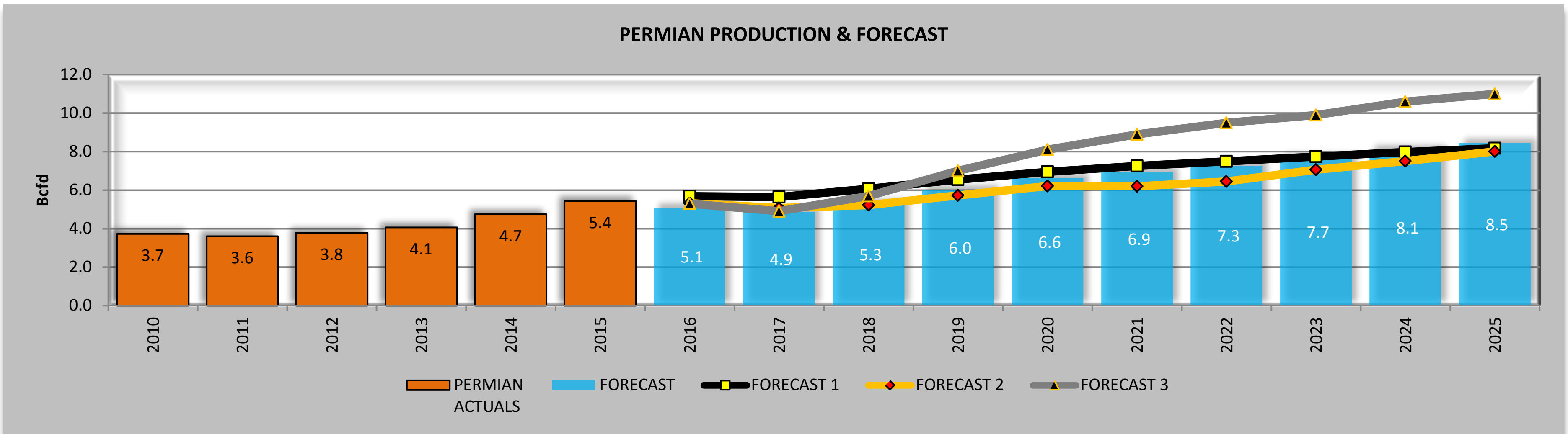
Supply Fundamentals

Marcellus & Utica Production Forecast



San Juan & Permian Production Forecast





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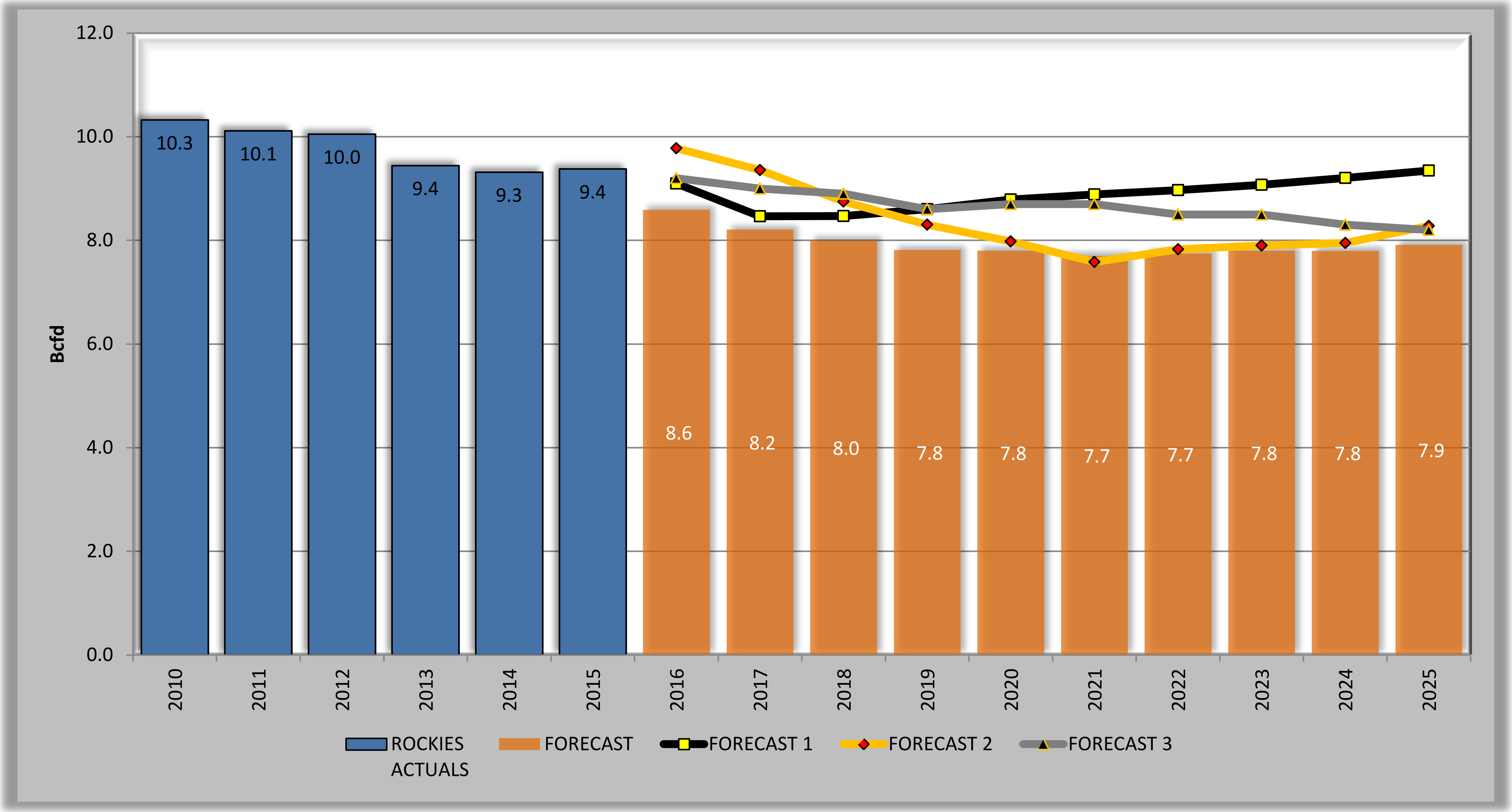
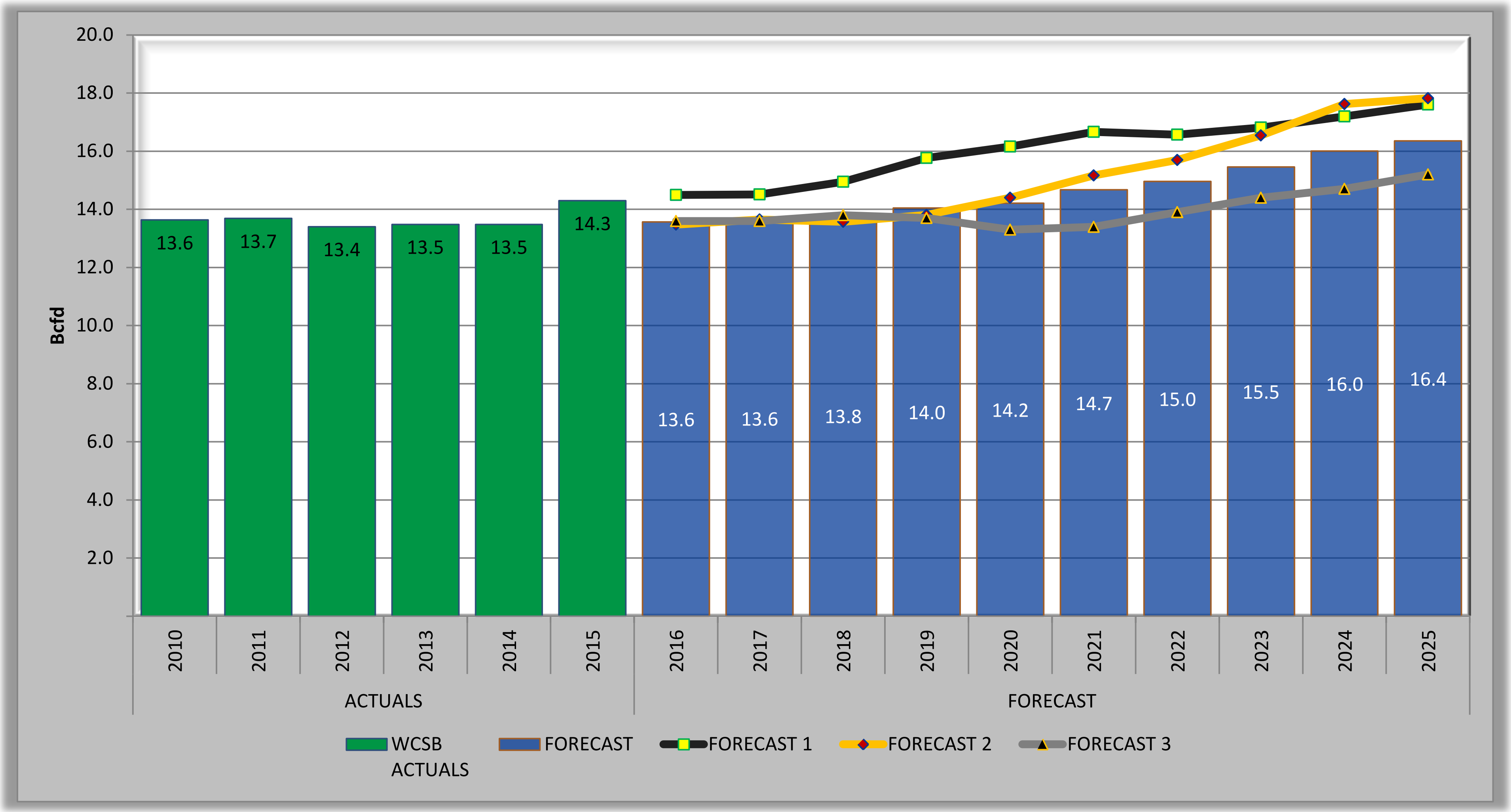
Rockies Production Forecast

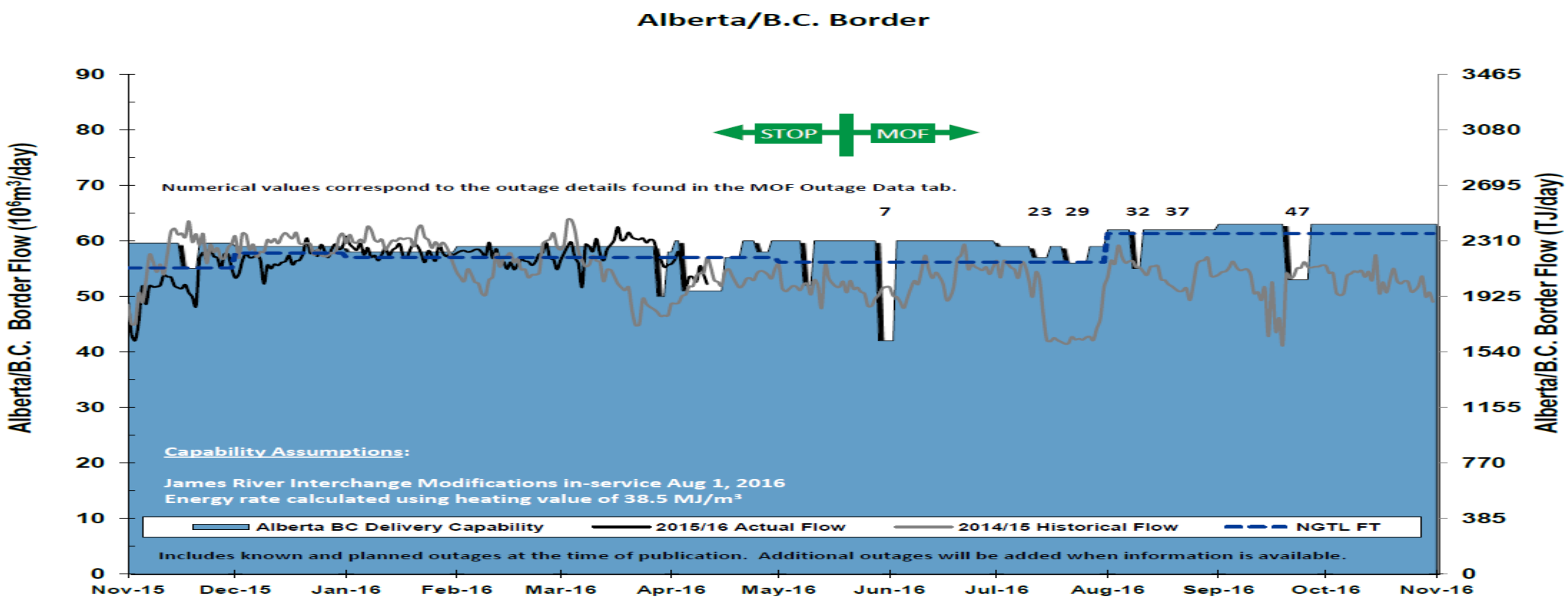


Western Canadian Production Outlook



NGTL Supply Debottleneck

- Rapid changes in WCSB supply created the need to address the system's export capability
- Successful open season will increase the firm subscription for export capability at the ABC gate (Coleman, AB) by ~150 MMcfd in Q3 2016



Source: TransCanada Presentation; May 5, 2016

Market Fundamentals

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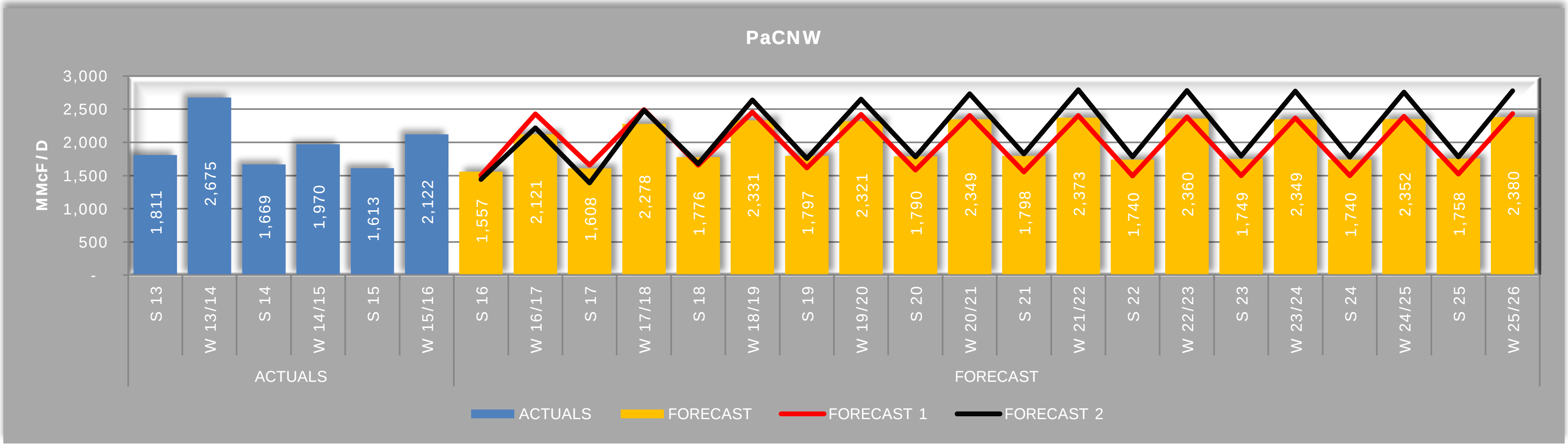
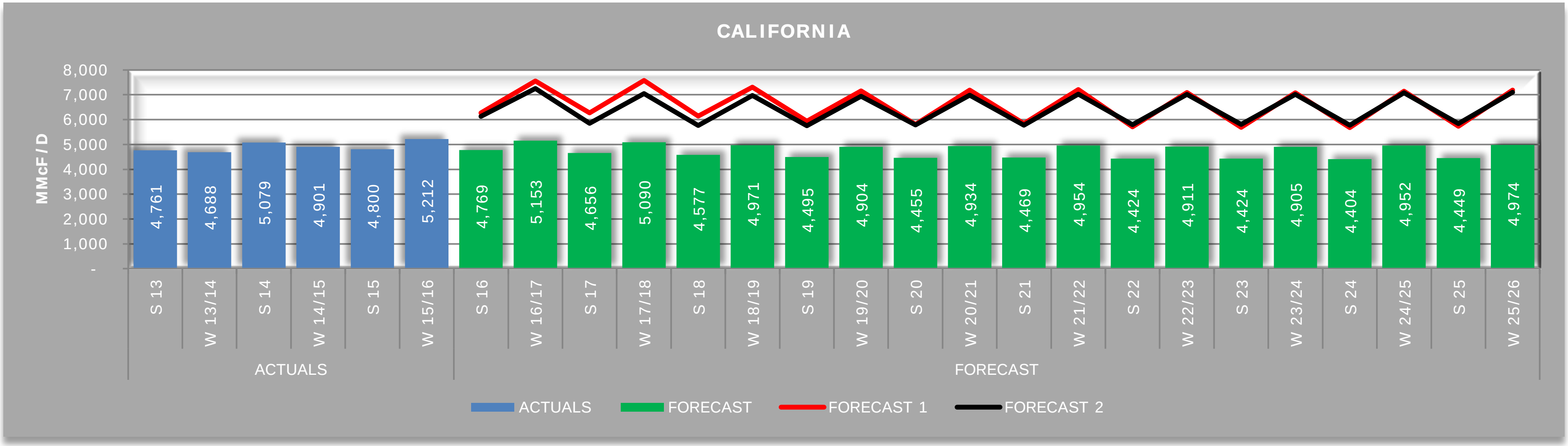
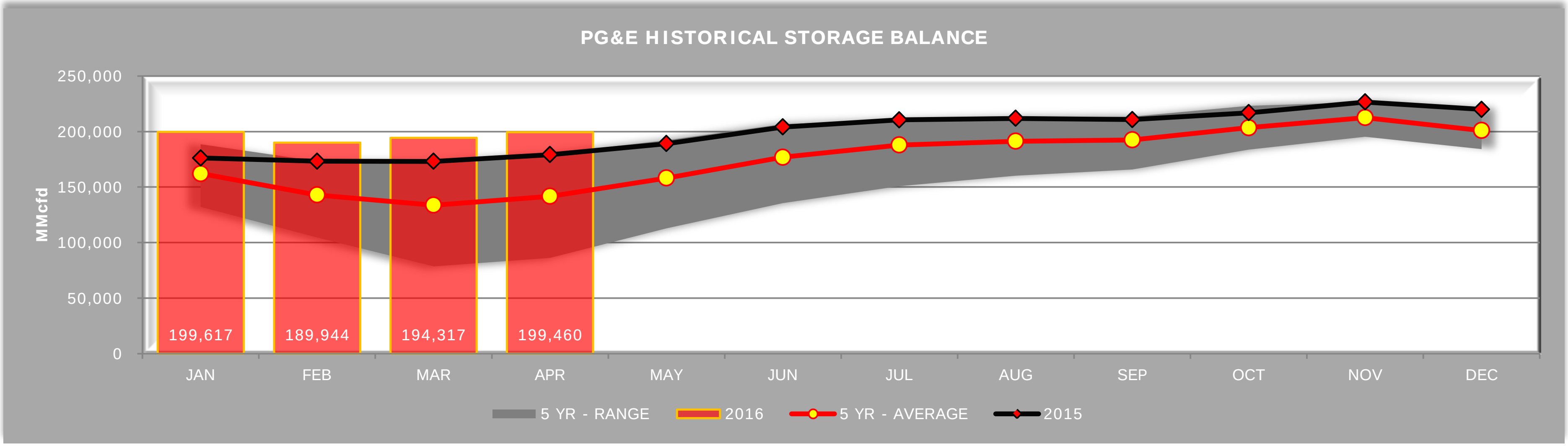
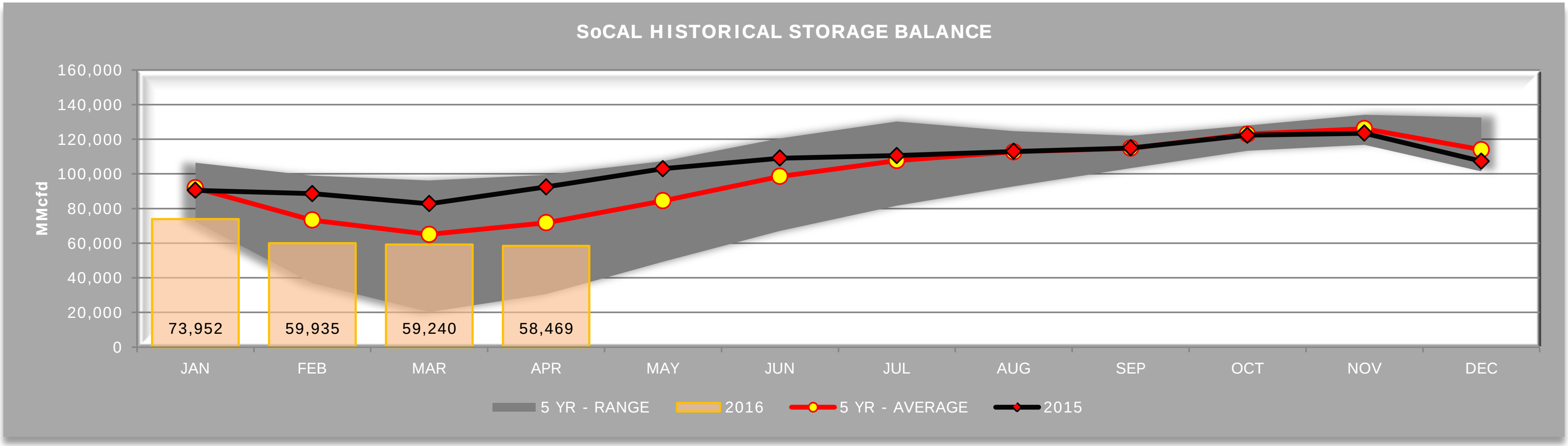
Demand Projections
Pacific Northwest & California





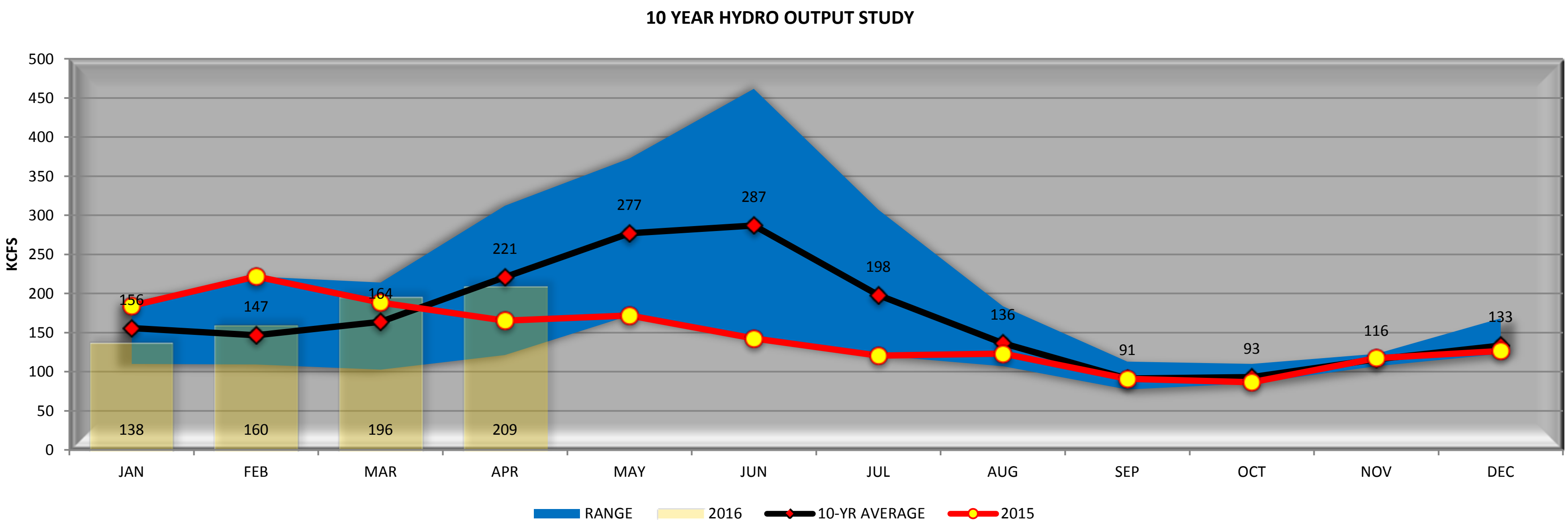
California Storage





Hydro Outlook
Pacific Northwest & California

- **Stronger hydro conditions than 2015, but unseasonably warm temperatures are causing a quick runoff**
- **Water supply forecasts continue to rapidly deteriorate with early runoffs depleting mountain snowpack**
- **Early Q2 snowpack levels are falling to 25-50% of normal for late April**



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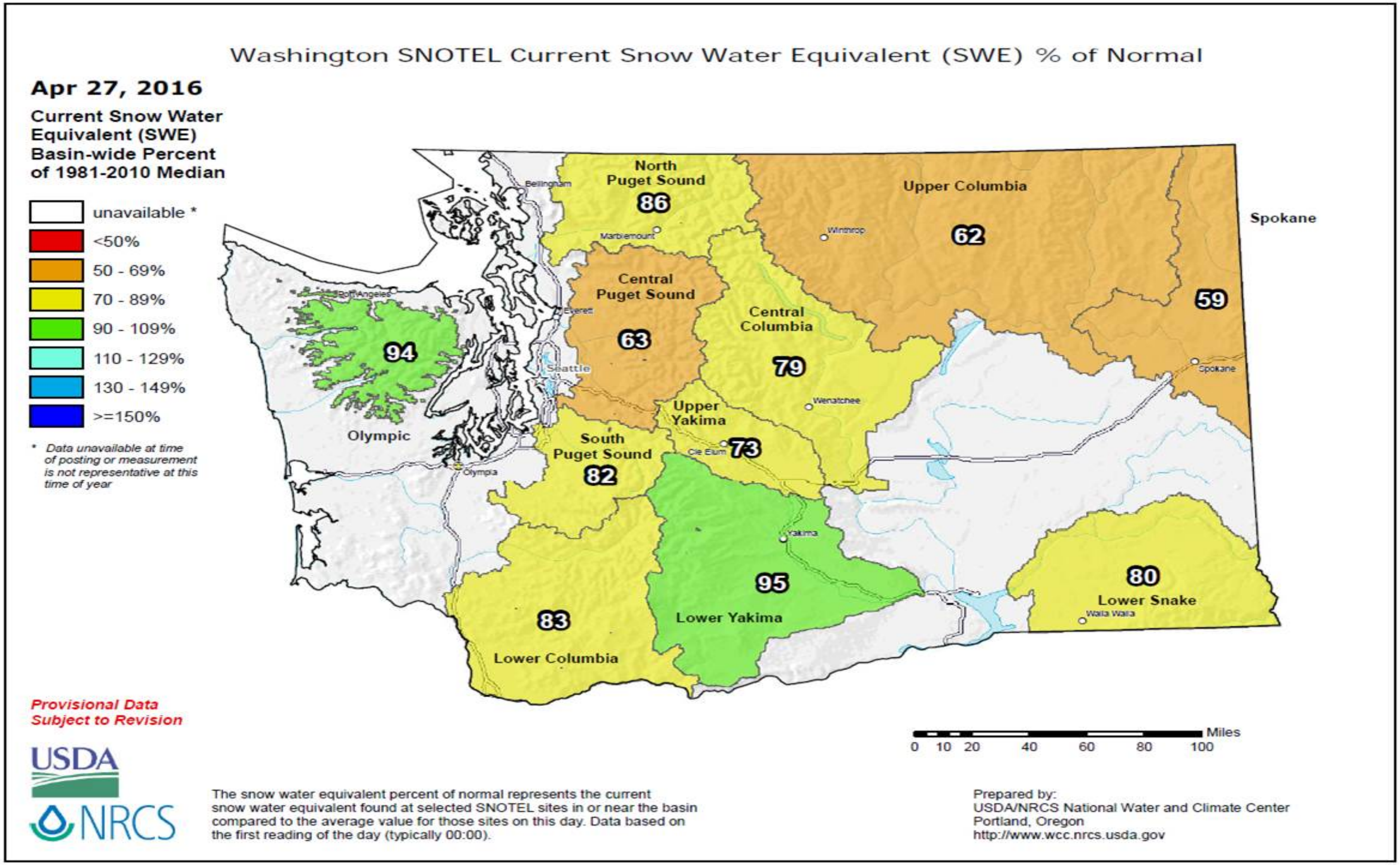
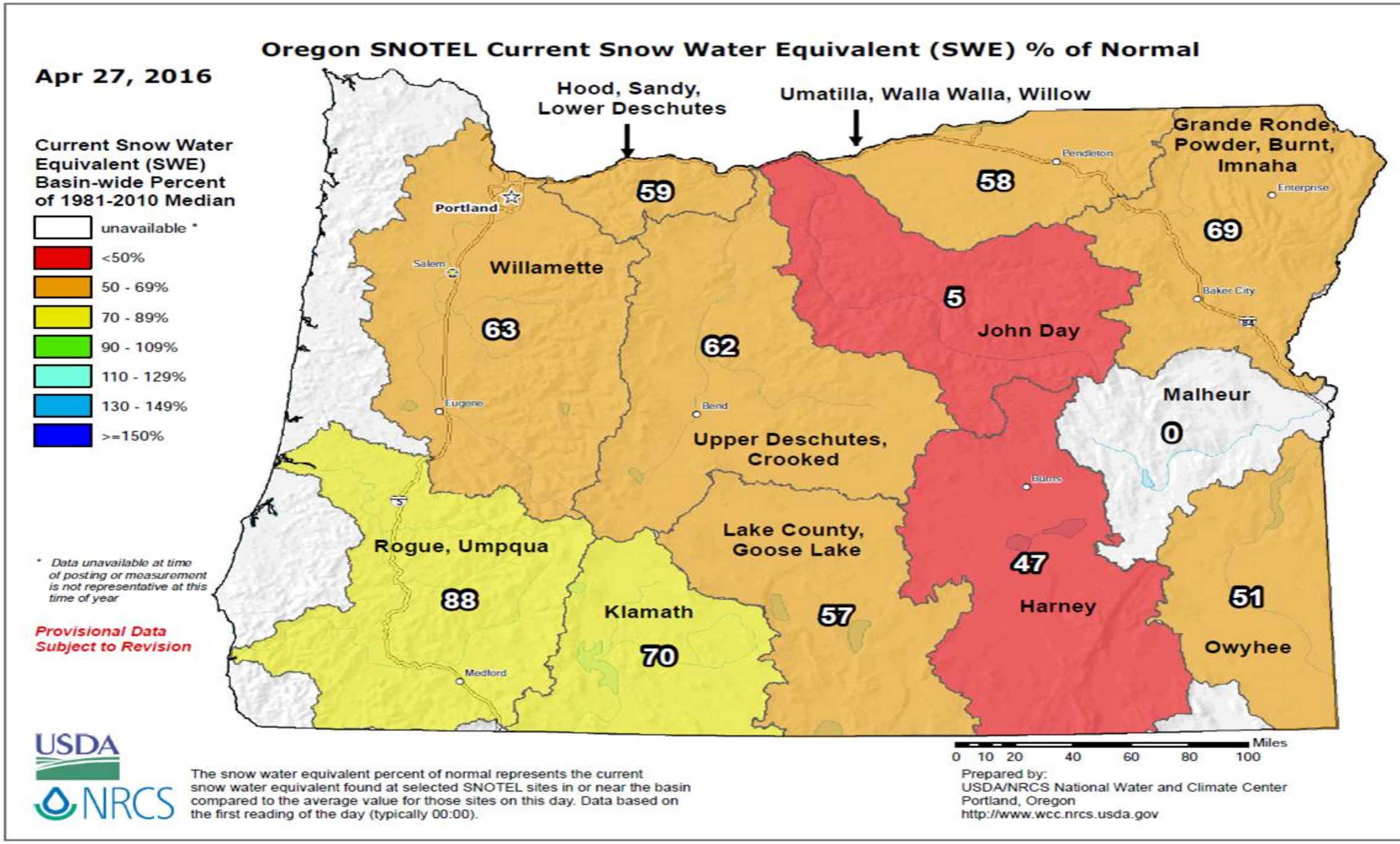
Washington Snow Water Equivalent

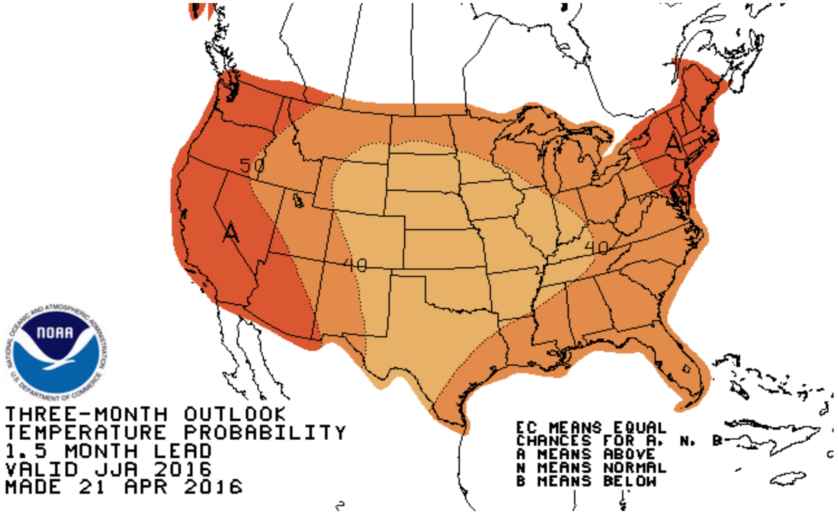


Oregon Snow Water Equivalent

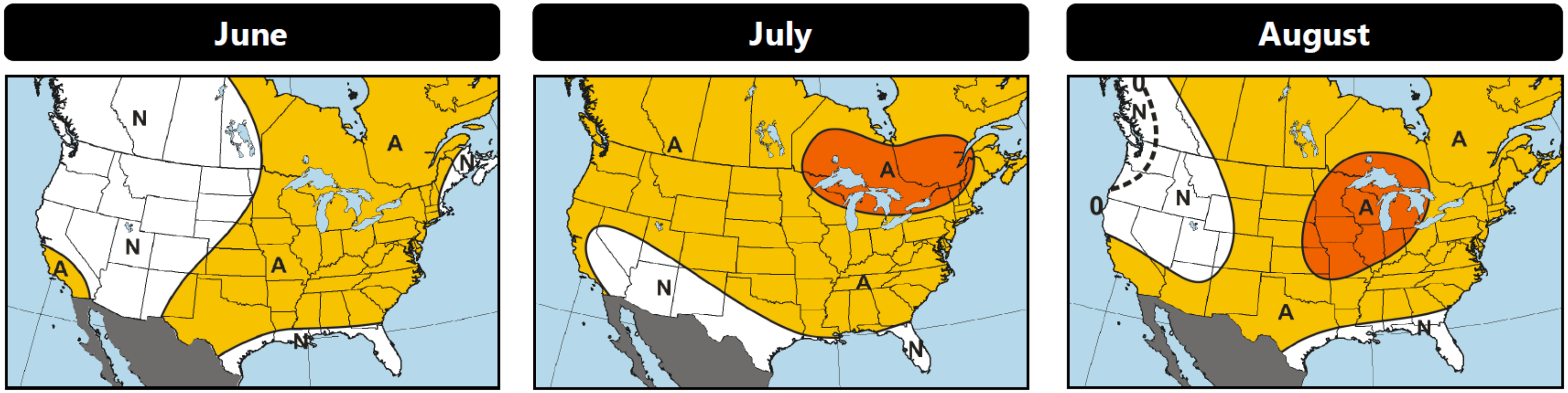


Peak Summer Weather Forecast

NOAA – June to August



MDA Weather Services – June to August



Source: NOAA and MDA Weather Services

Redwood Path Maintenance

Redwood Path Maintenance			
Dates	Capacity (MMcf/d)	% of Max	Maintenance Notes
20-Apr	2148	98%	Delevan Station Maintenance
28-Apr	2091	96%	Tionesta Station Maintenance
3-May	2073	96%	Delevan Station Maintenance
4-May	2007	93%	Gerber Station Maintenance
5-May	2088	97%	Gerber Station Maintenance
10-May	2059	96%	Tionesta Station Maintenance
11-May	2122	99%	Burney Station Maintenance
12-May	2087	97%	Burney Station Maintenance
17-May	2093	97%	Delevan Station Maintenance
18-May	2076	96%	Delevan Station Maintenance
19-May	2117	98%	Delevan Station Maintenance

Source: http://www.pge.com/pipeline/operations/pipeline_maintenance/foghorn.page

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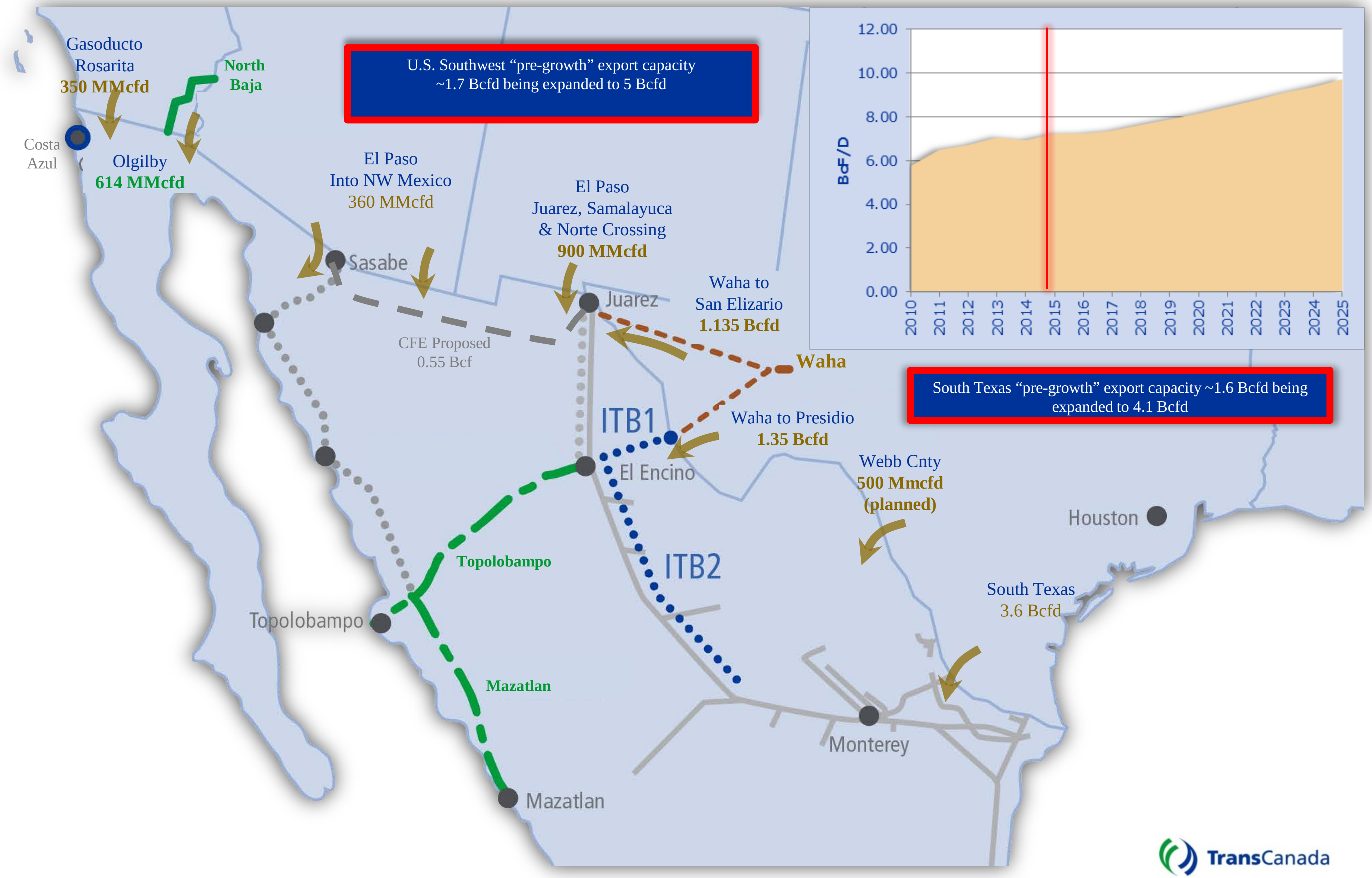
New Market Demand Projections

- **Carty Lateral**
  - New lateral to serve NW power generation
  - 175 MMcfd of lateral capacity and 75 MMcfd of GTN mainline capacity
  - 440 MW expected in-service for Q3 2016
- **Jordan Cove & Pacific Connector**
  - Just signed a 20yr agreement with Itochu Corp. (Japanese firm)
  - Appealing FERC’s Denial (March 2016)
  - 1 Bcfd facility in-service in Q1-Q2 2019
- **Northwest Innovation Works**
  - Plan to build three Methanol Plants (~$1B each) with two moving forward
  - Each plant will have two trains with ~120 MMcfd of natural gas load
  - Earliest In-service date of 2019
- **Trails West Pipeline**
  - Cross Cascades link to serve growing power/industrial demand along the I-5 corridor
  - Compression based expandability to 750 MMcfd with expected in-service in Q4 2021

Mexican Natural Gas Demand



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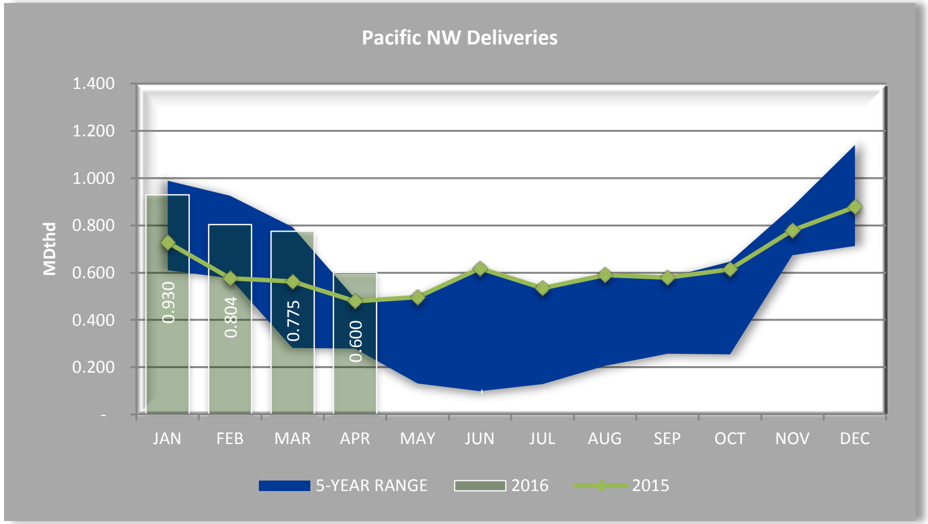
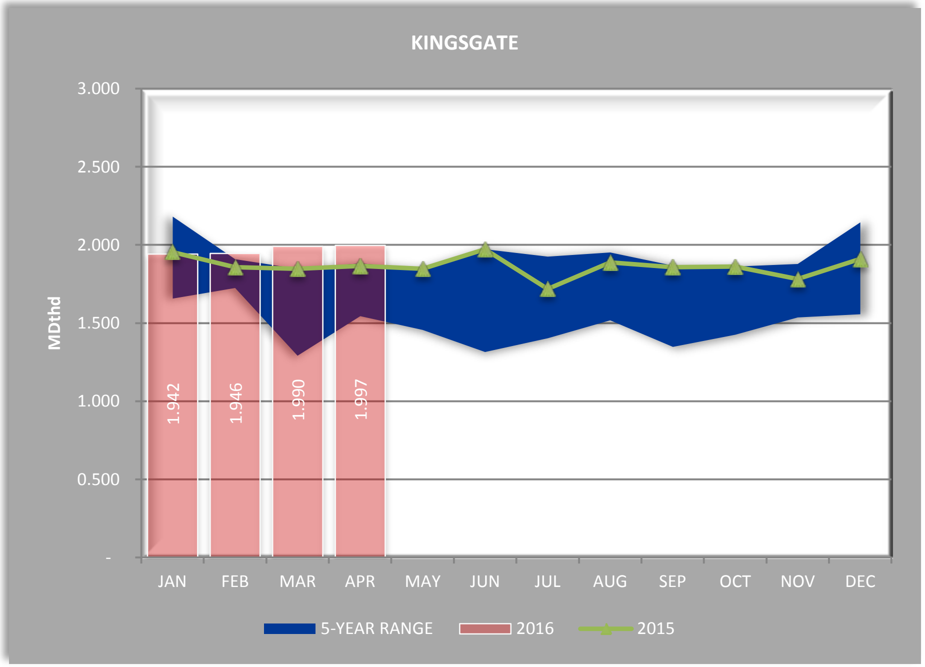
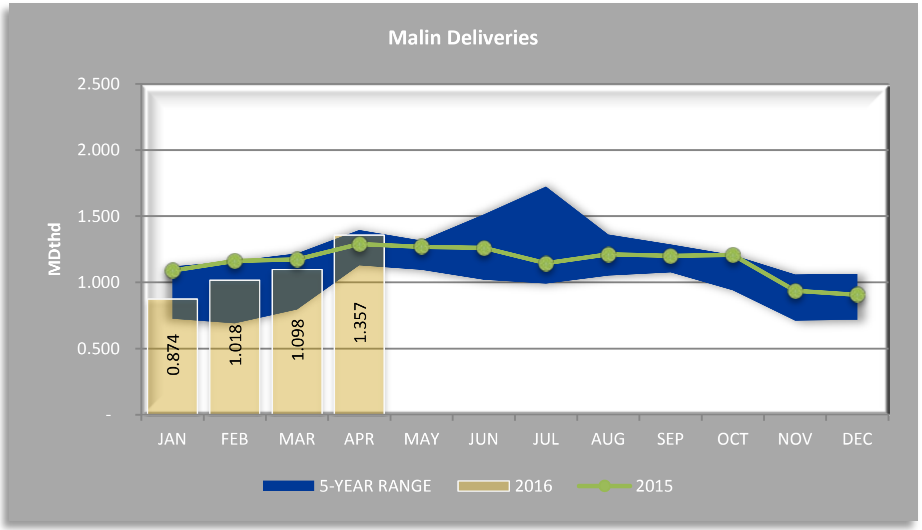
Current Volumetric Flow







Value Overview

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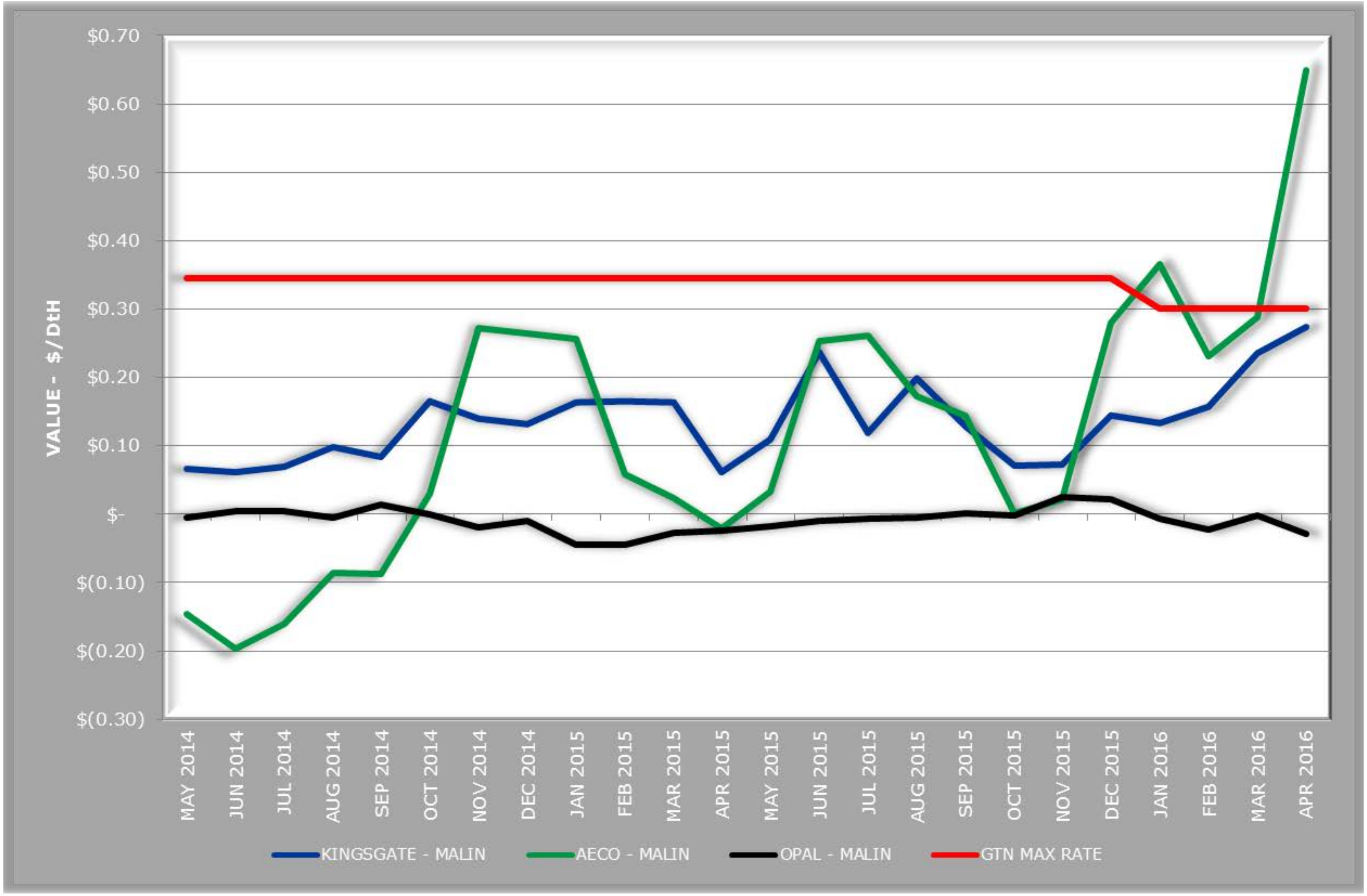
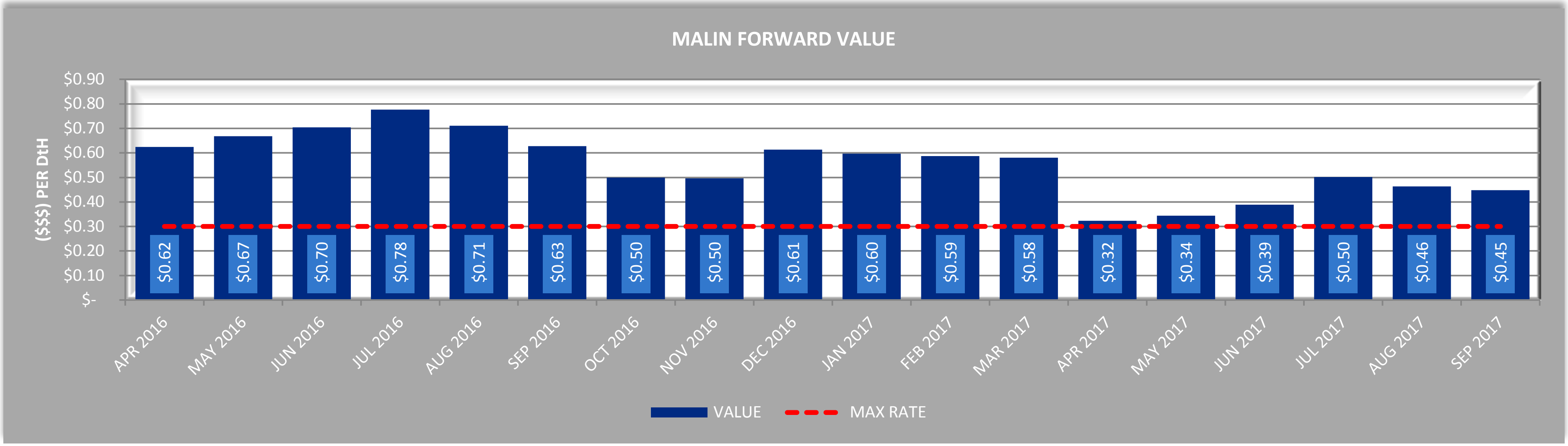
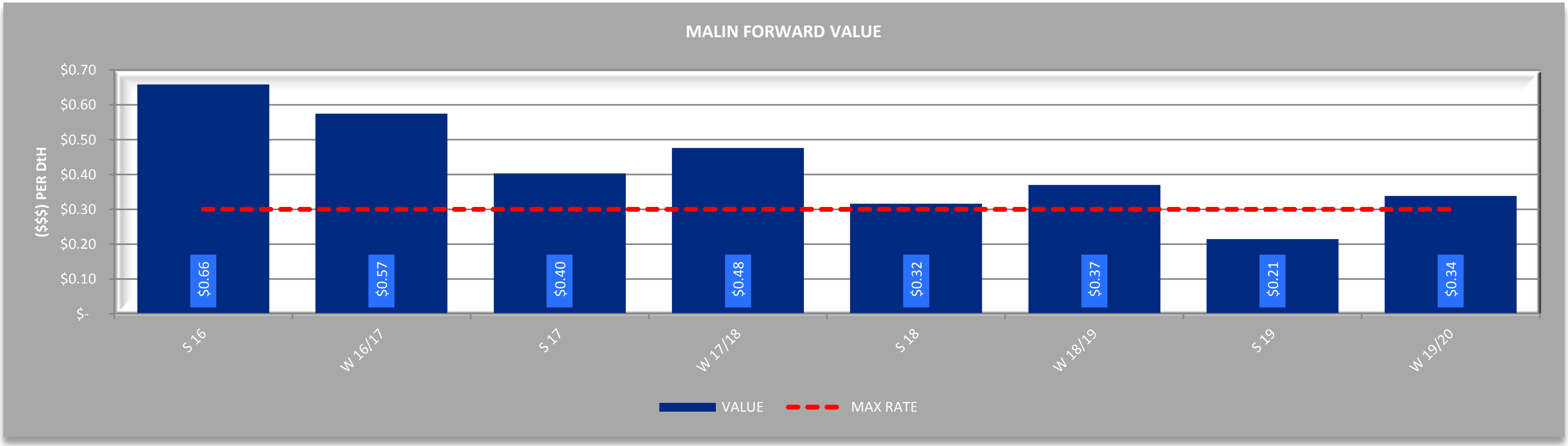
Daily Transportation Values to Malin



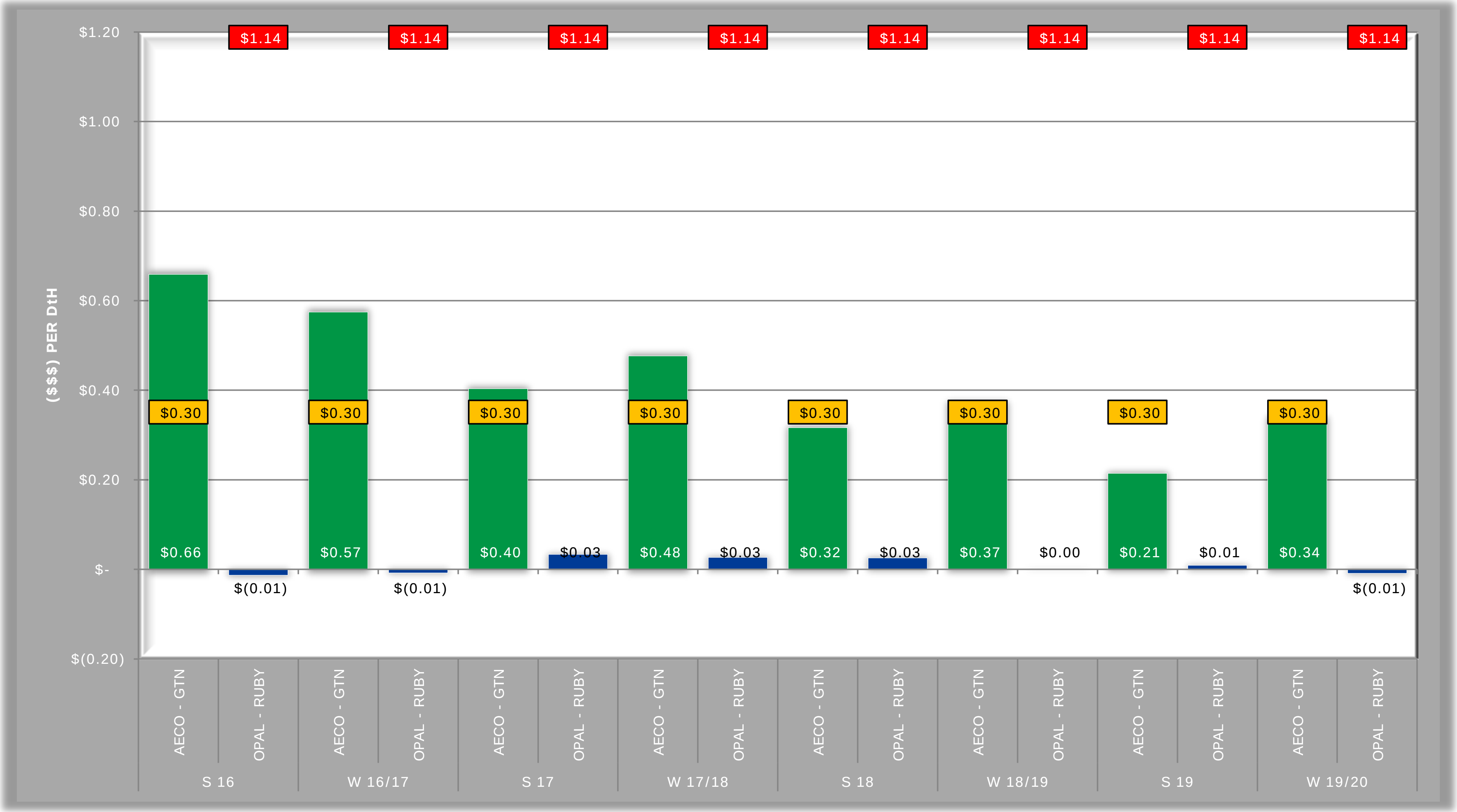
Source: Computed on Platts base (4/26/2016)

Forward Pricing
AECO – Malin Value





Forward Pricing to Malin
AECO (vs) Rockies



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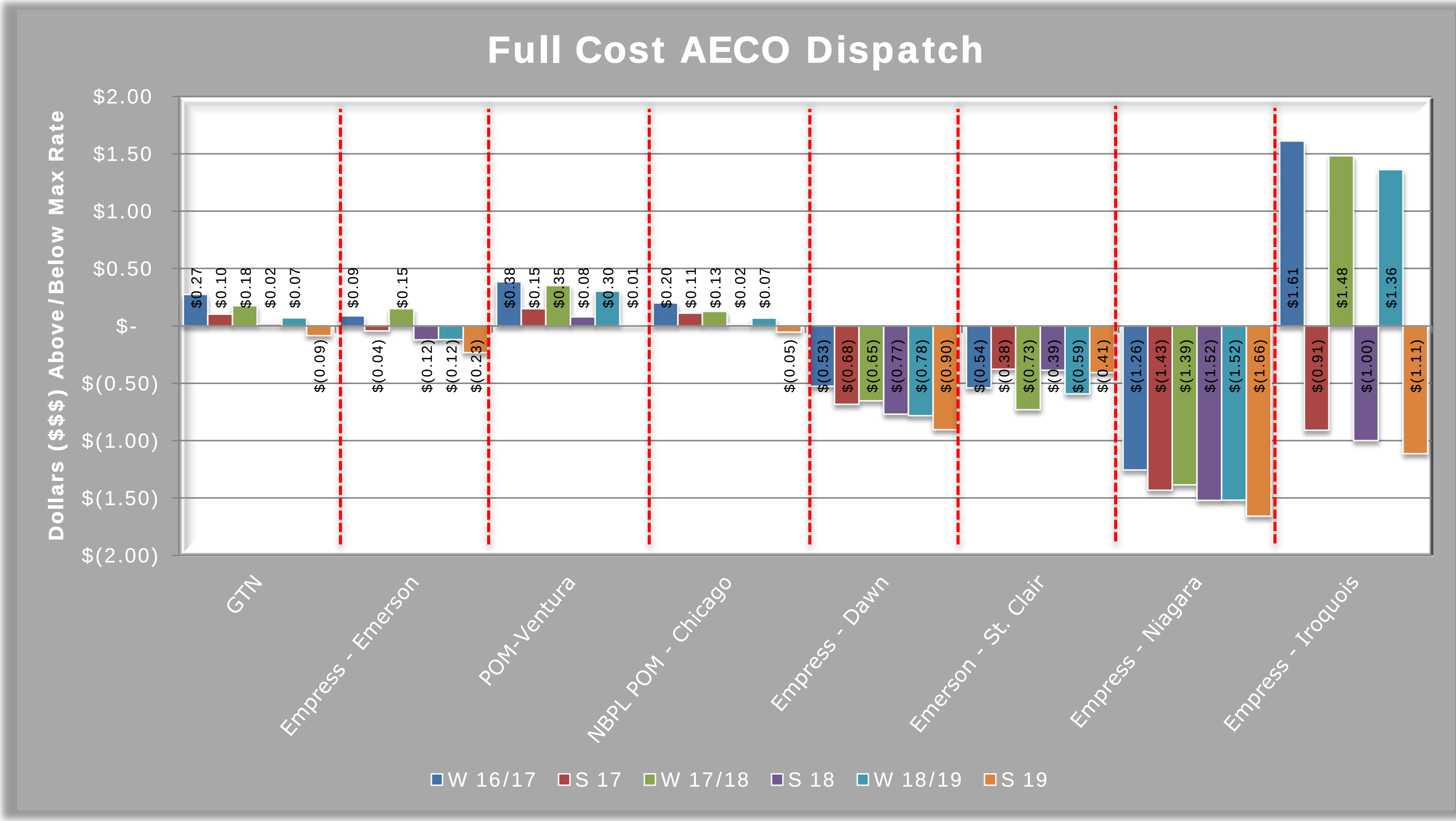
Forward Pricing
Canadian Dispatch Economics



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Opportunities & Factors Impacting GTN Value

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Opportunities & Impacts to GTN Value

- Supply fundamentals
- Alberta eastern gate exports to NBPL and TCPL Mainline
- NGTL export enhancements for Q3 2016 and potential 2018/2019
- Northwest loads
- Flow displacements around Marcellus/Utica basins
- Competition for supplies in the southwest and Mexico
- California impacts of Aliso Canyon and San Onofre
- Park & Loan services

GTN Annual Customer Meeting - NGTL Update

May 5, 2016

Jawad Masud – Director of Commercial West Markets for NGTL/Foothills

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Forward Looking Information and Non-GAAP Measures

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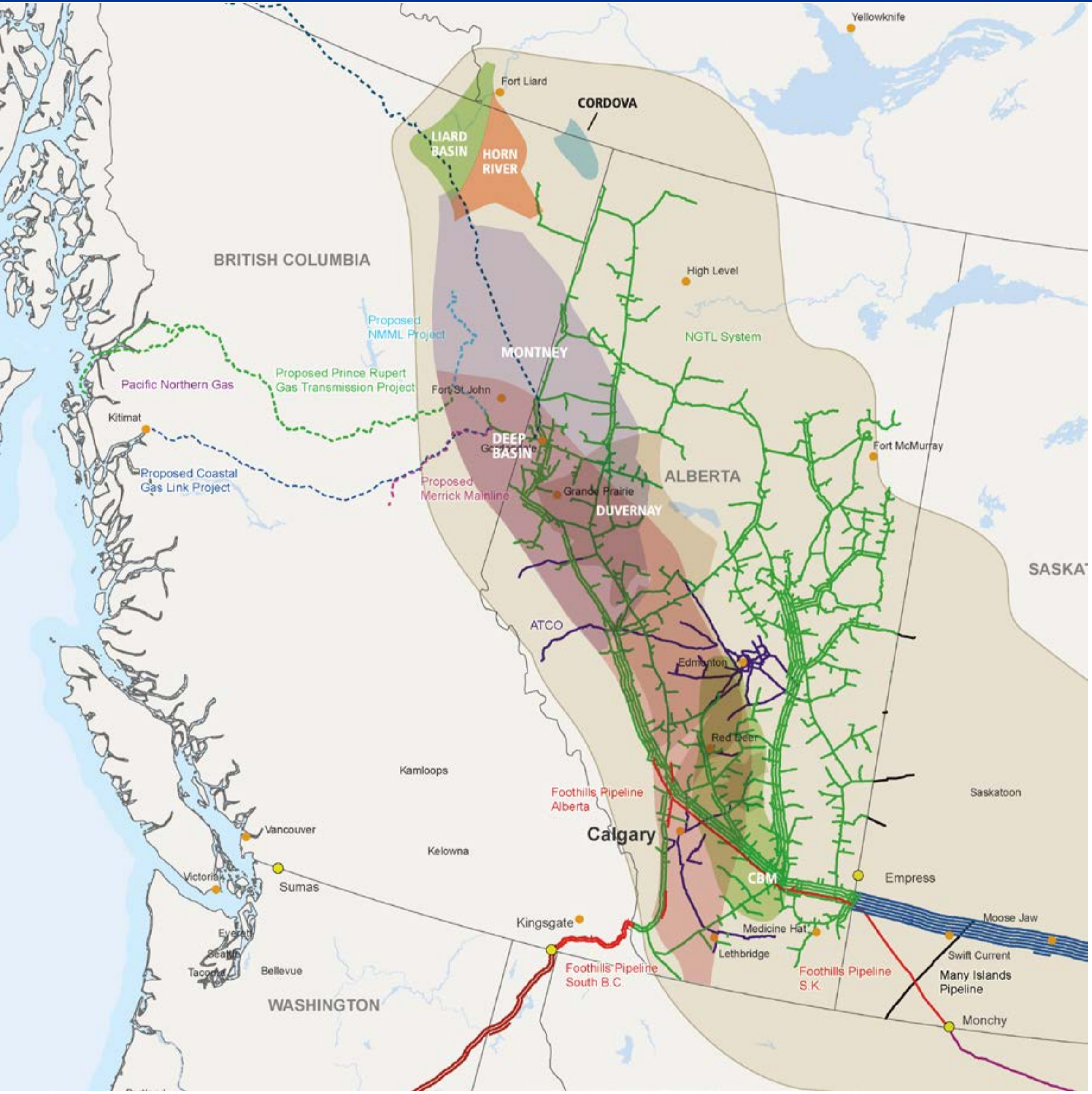
NGTL System



- 32,000+ km of pipe – combined assets of NGTL and ATCO Pipelines
- Over 1100 receipt and 1000 delivery points on system
- Transports approximately 75% of WCSB production
- Over 1000 Tcf of WCSB resource
- 400+ Bcf of WCSB gas storage
- > 50 Bcf/d of NIT trading liquidity
- System Annual Revenue Requirement of ~ $1.85 billion
- $7.2 billion investment base
- Regulated by the National Energy Board

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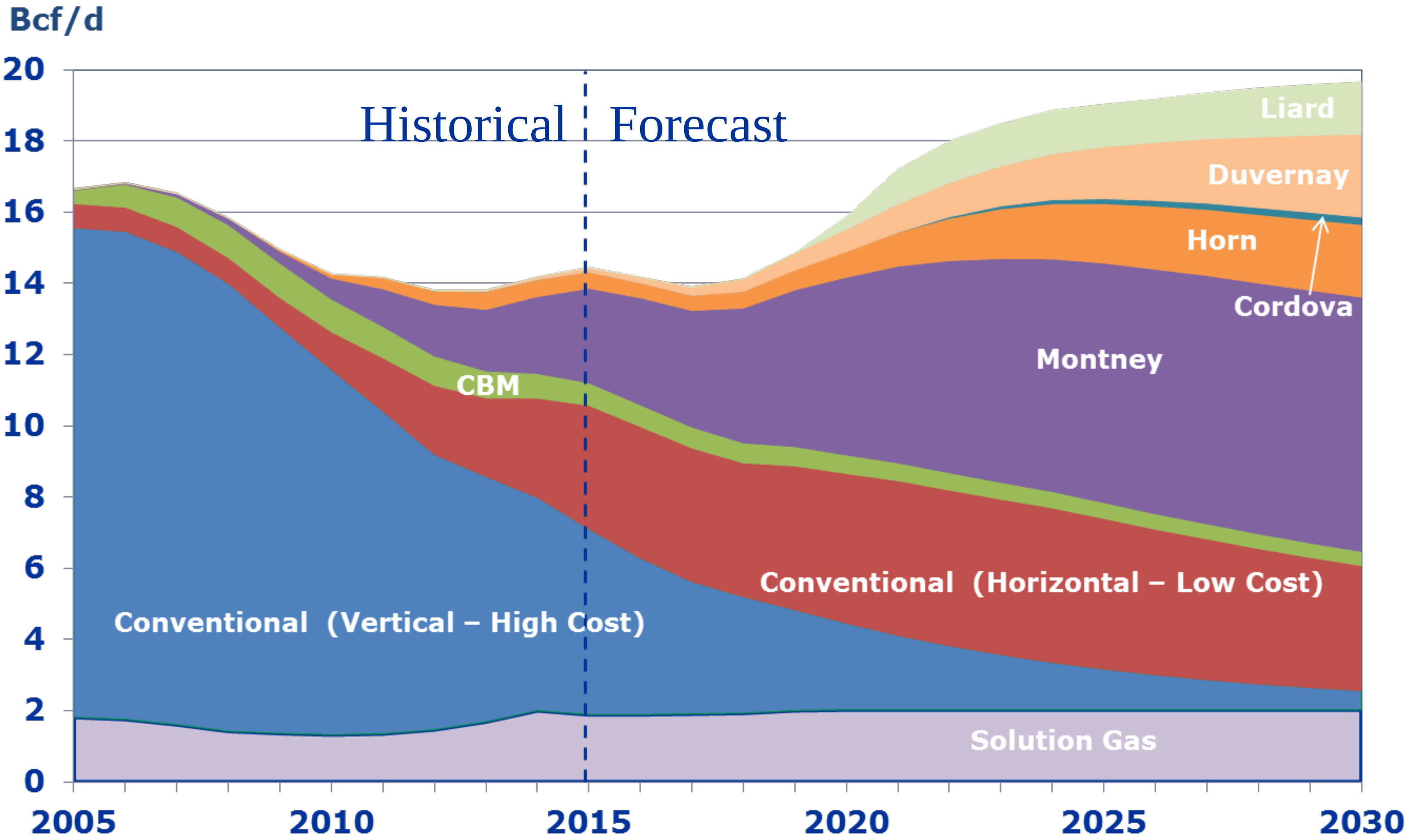
WCSB Gas Supply



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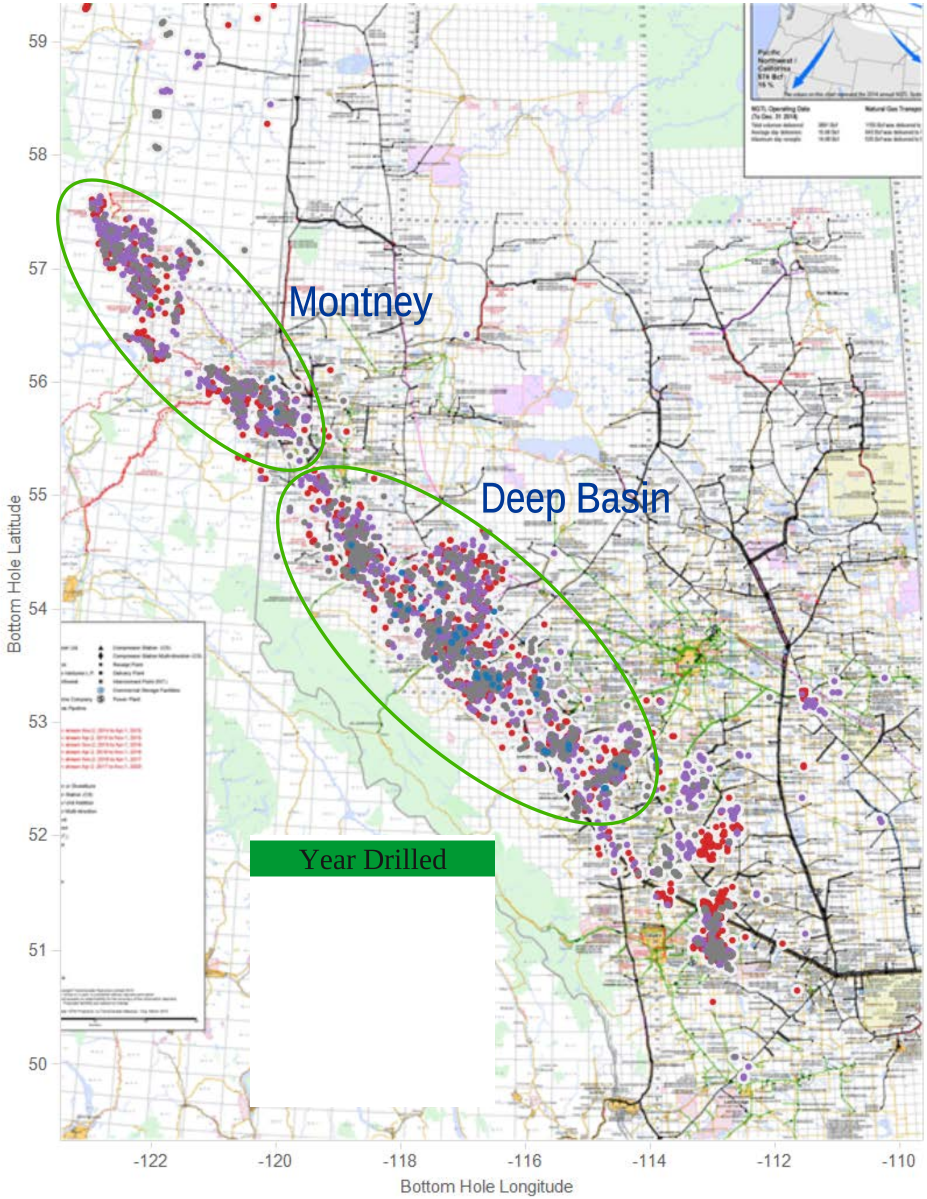
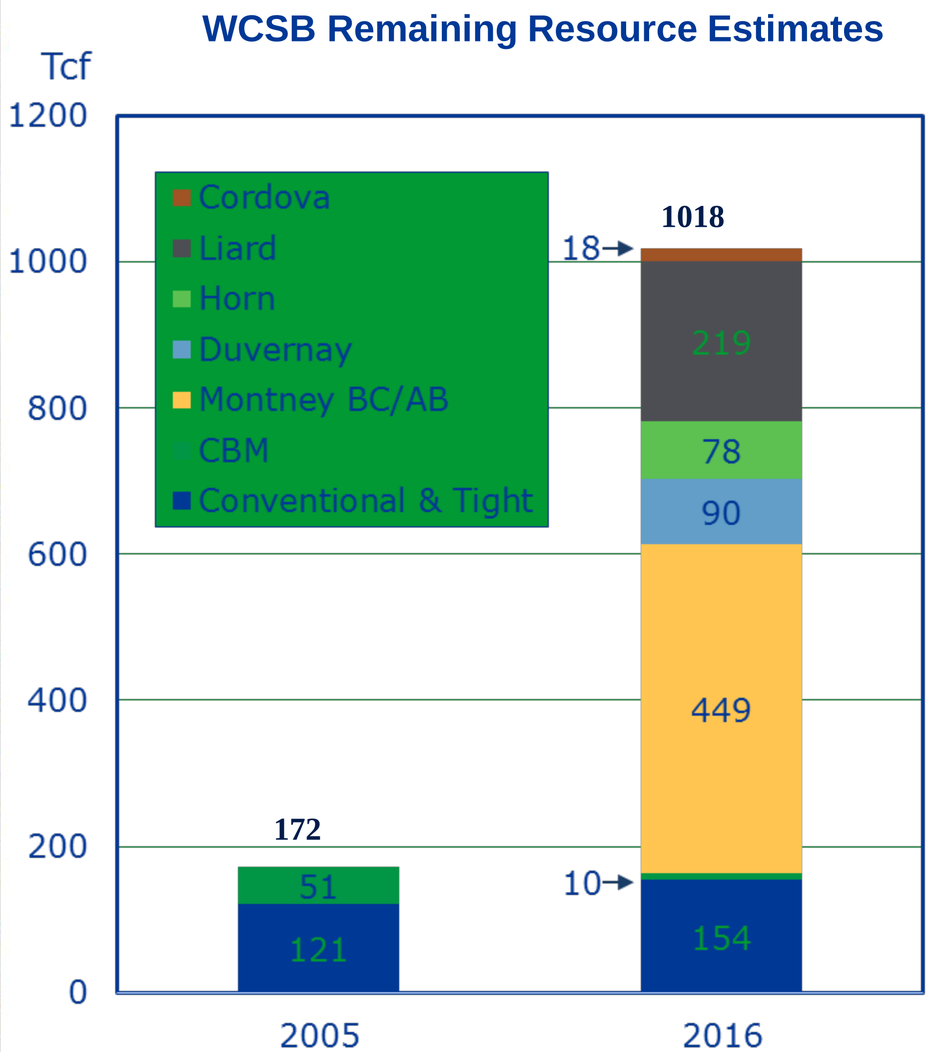
WCSB Wells Drilled and Remaining Resource Estimates





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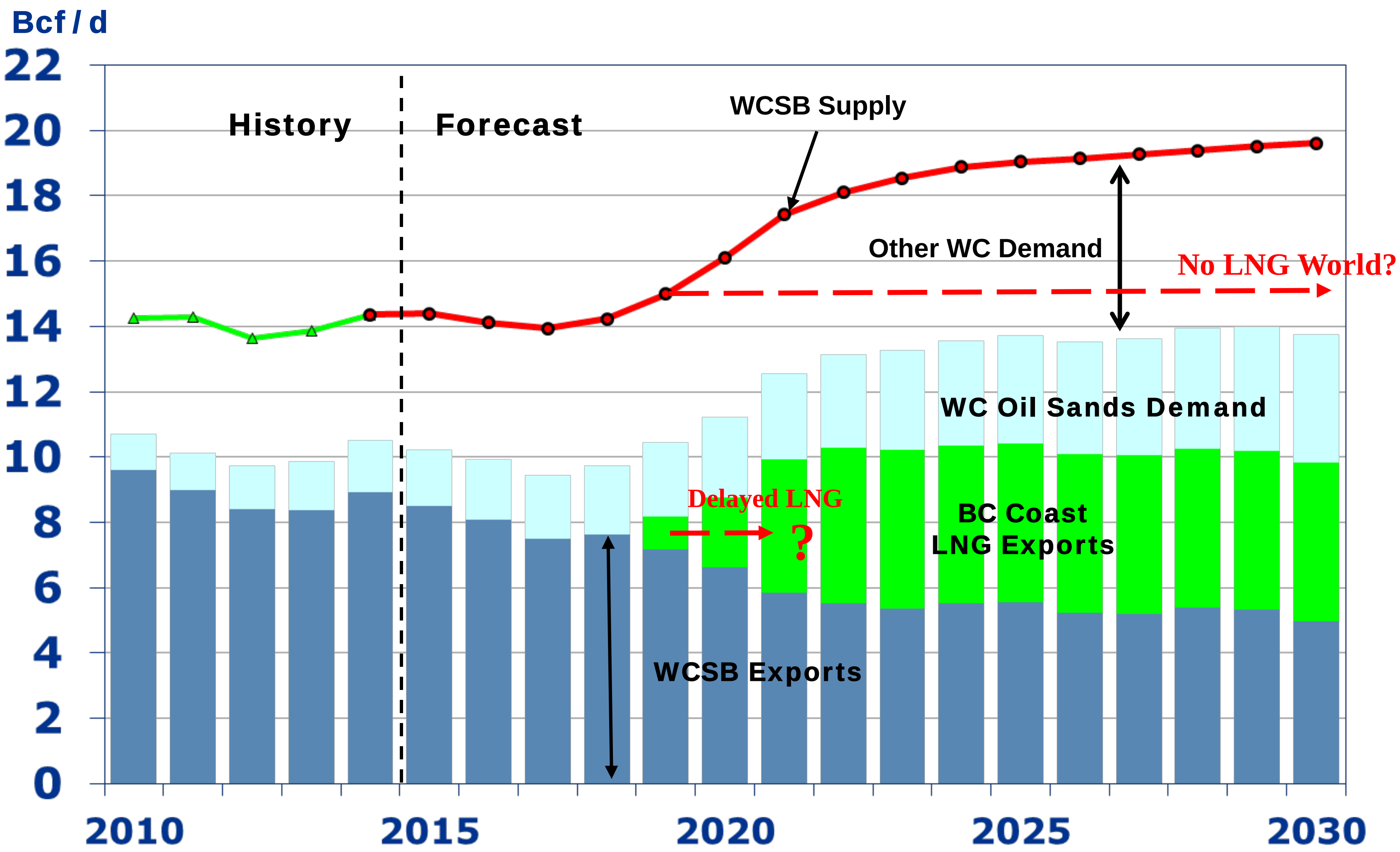
WCSB Supply / Demand & Export Flows



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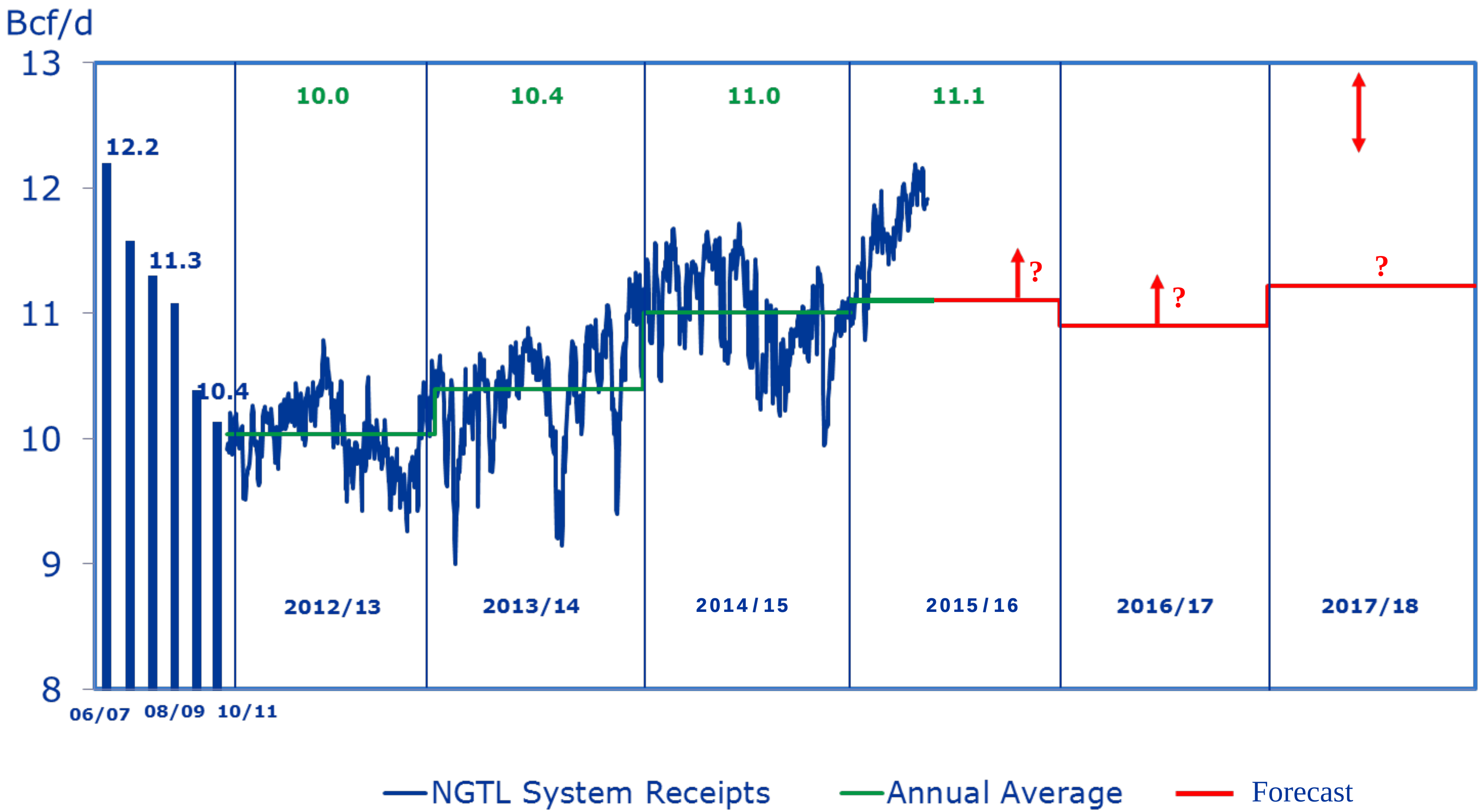
NGTL System Receipt Flows



Excluding Storage

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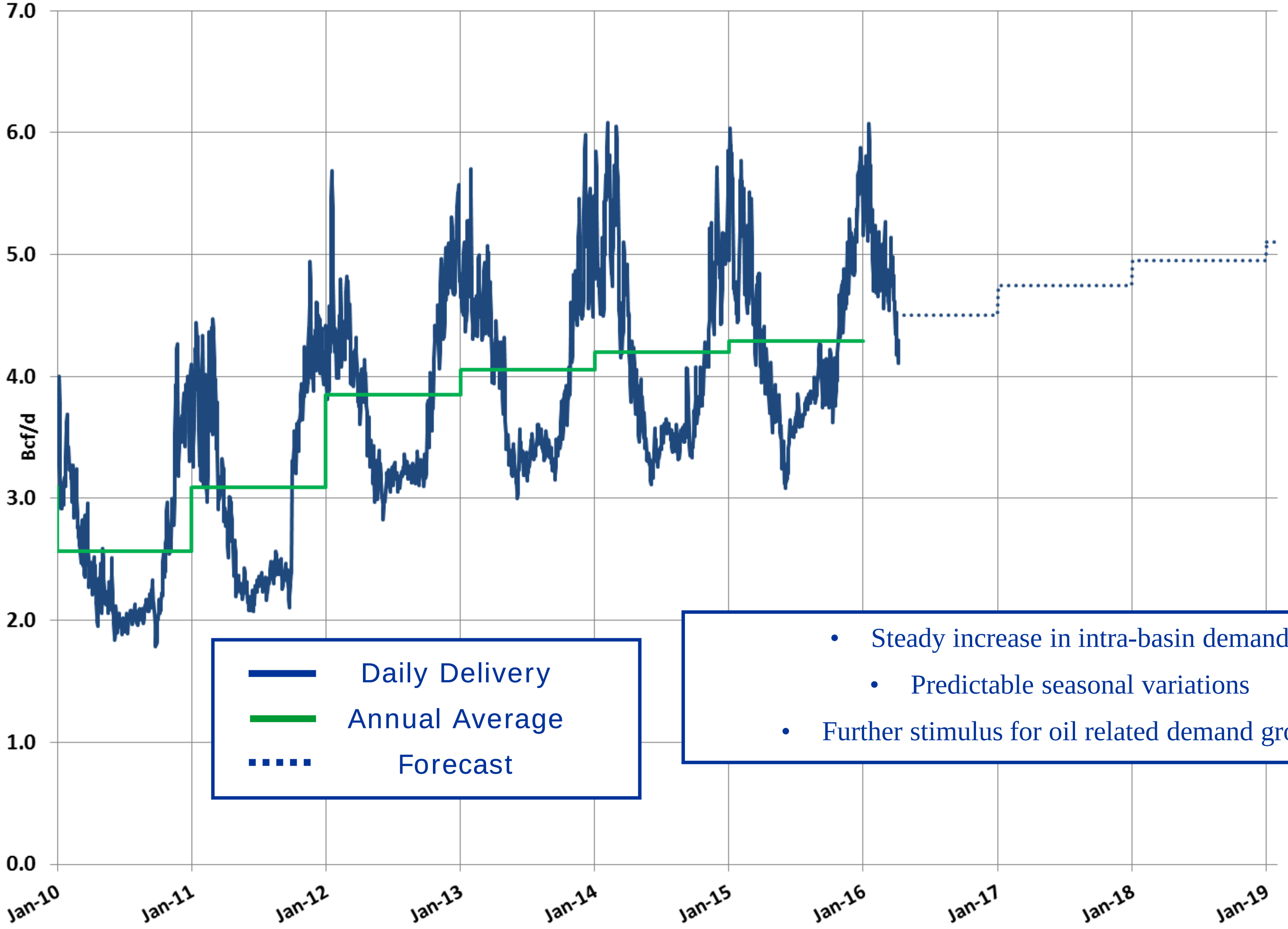
NGTL System Intra Basin Flows



- Steady increase in intra-basin demand
- Predictable seasonal variations
- Further stimulus for oil related demand growth

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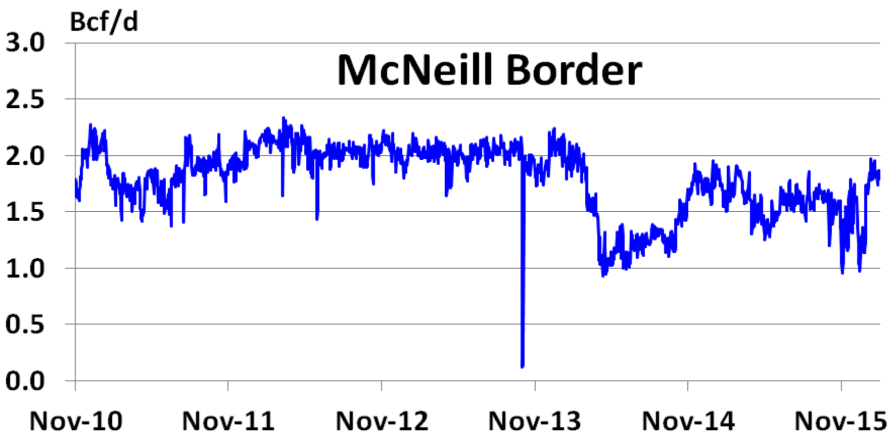
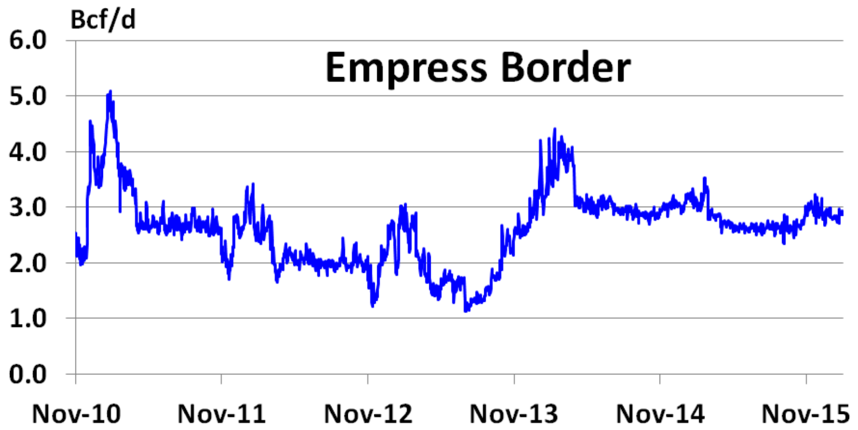
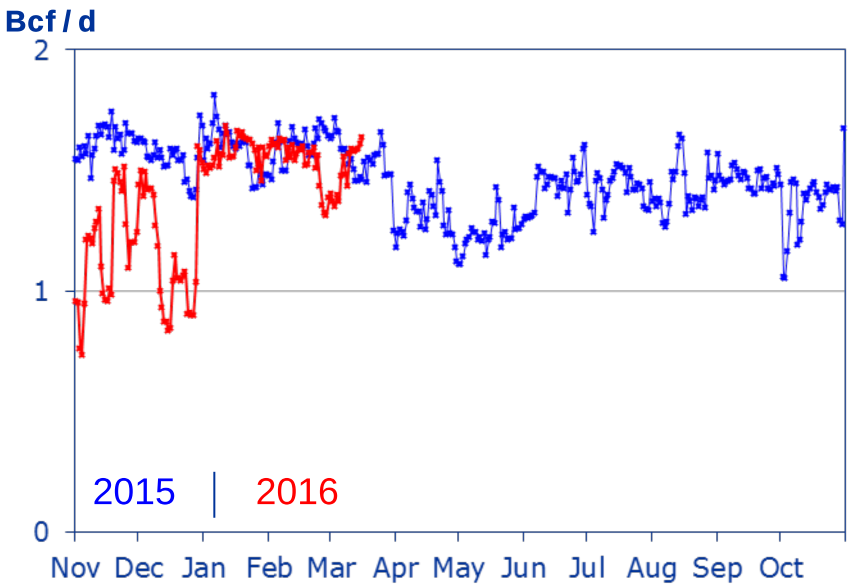
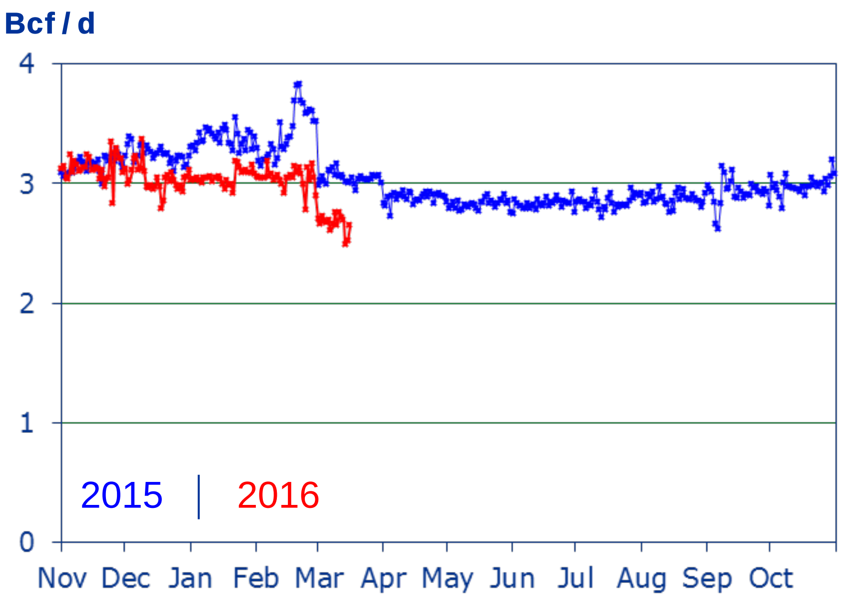
East Gate – Historic and Current Flows









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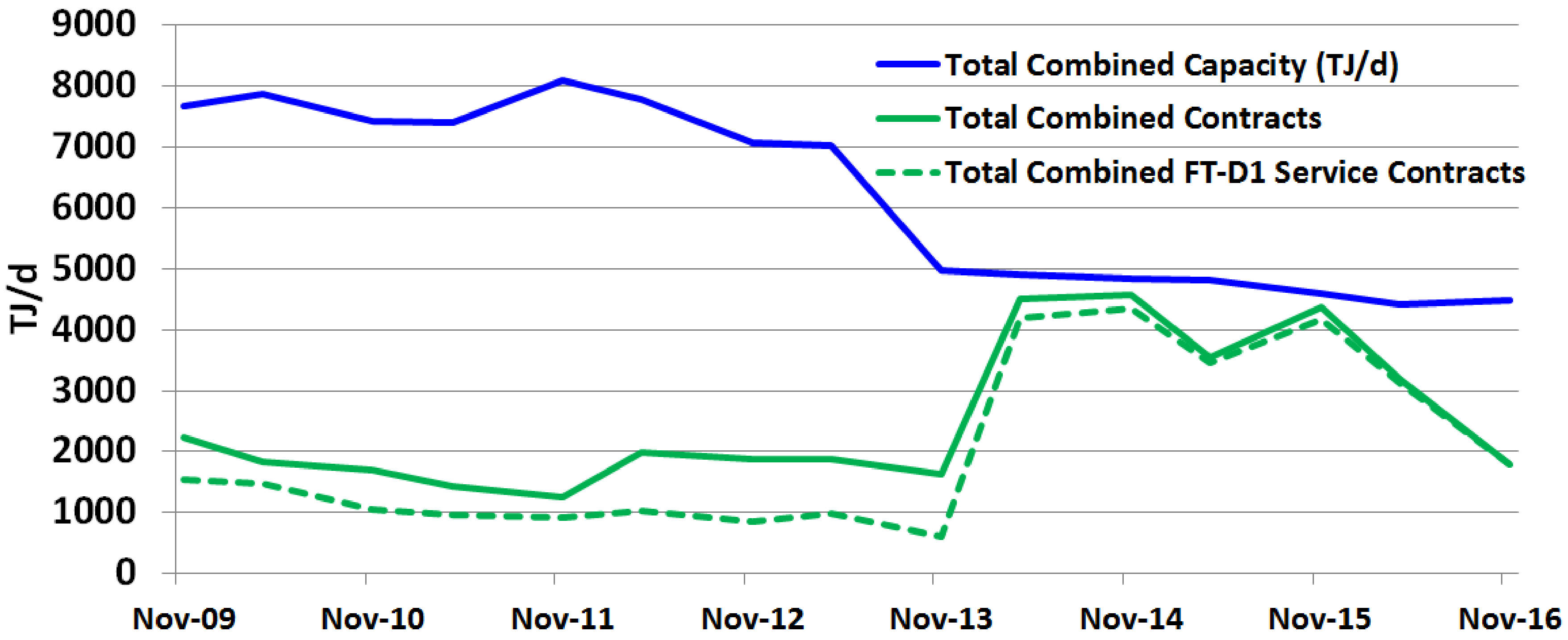
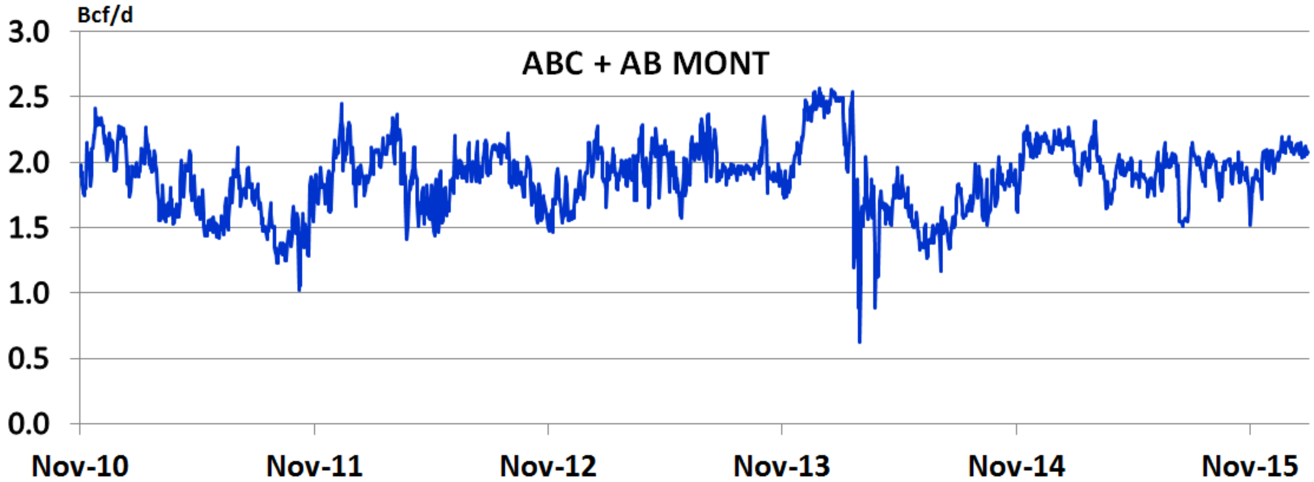
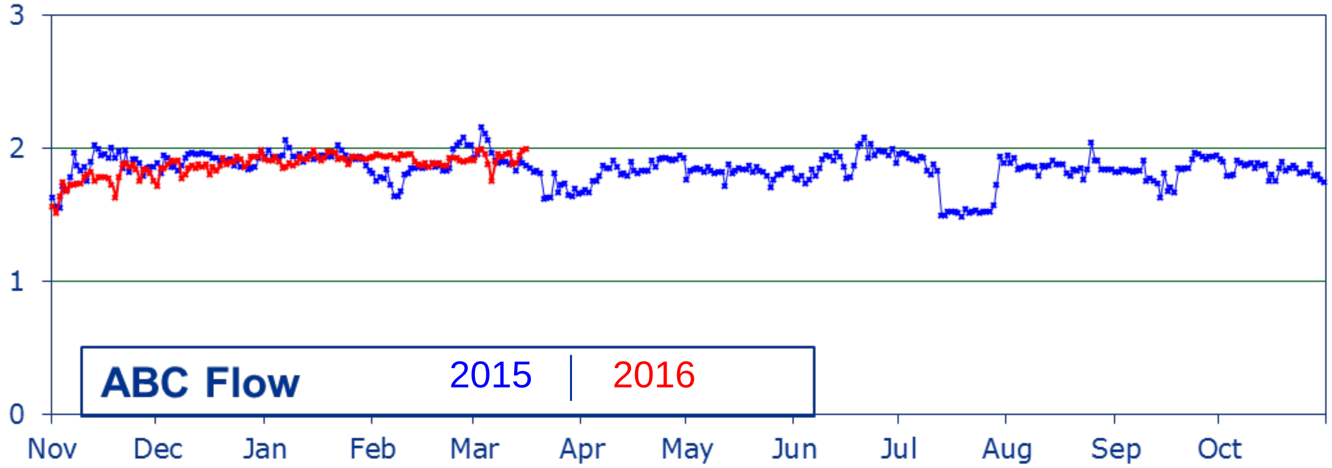
EGAT – Firm Contracts and Capability



WGAT – Flows





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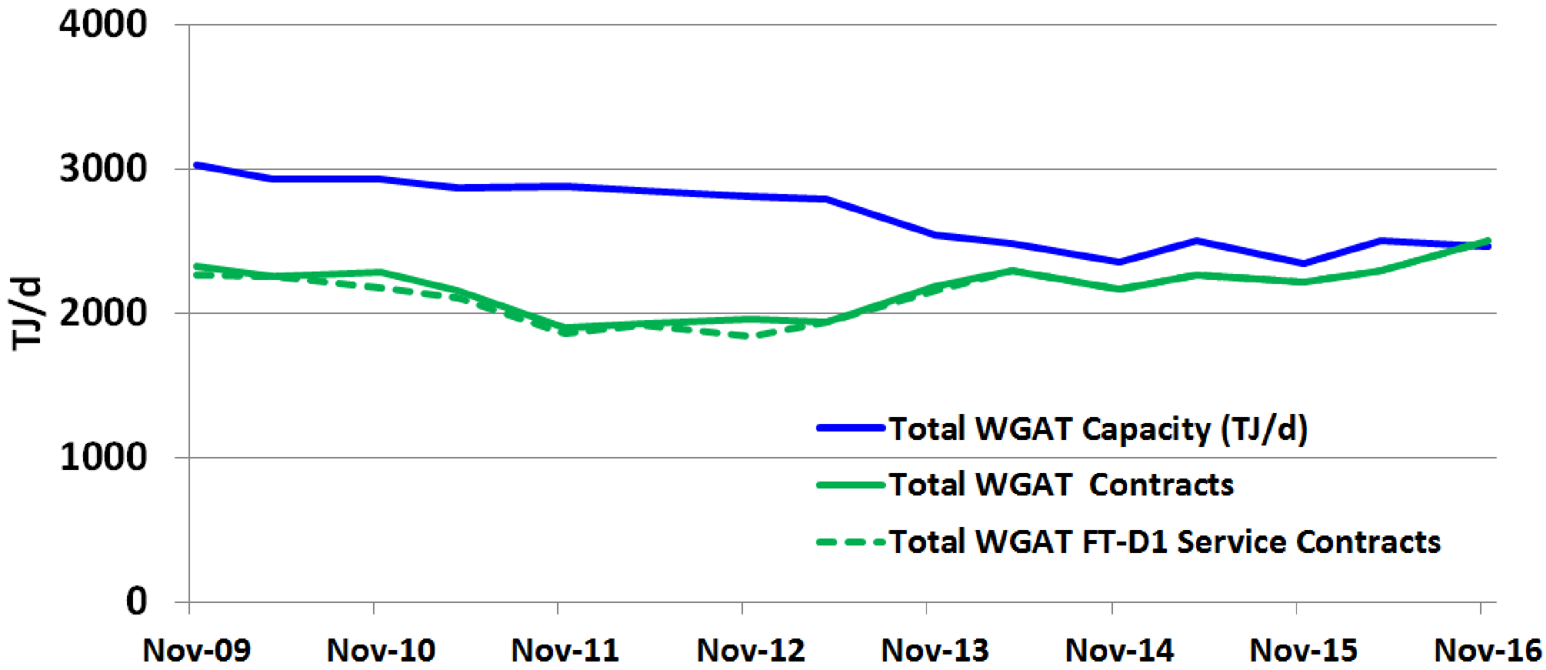
West Path – Firm Contracts and Capability



	Capability April 2016 (Bcf/d)	Capability Nov 2018 (Bcf/d)
GTN	2.8	2.8
Foothills -BC	3.0	3.0
A/BC Border	2.3	2.8

Note: Values are estimated.

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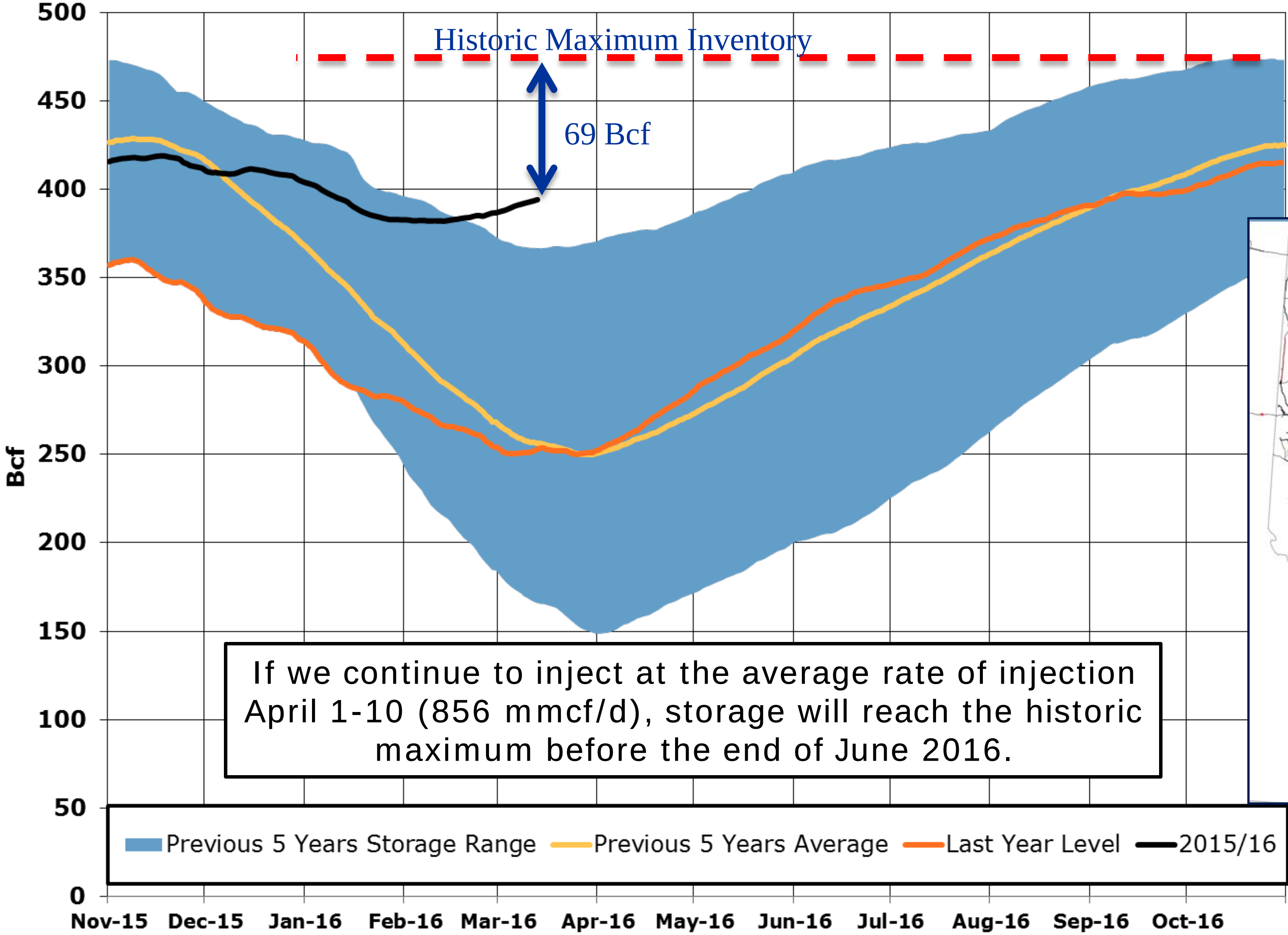
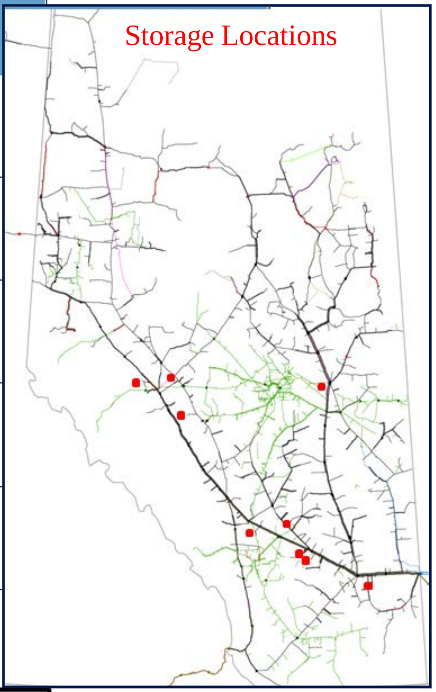
Working Gas in Storage Connected to NGTL System





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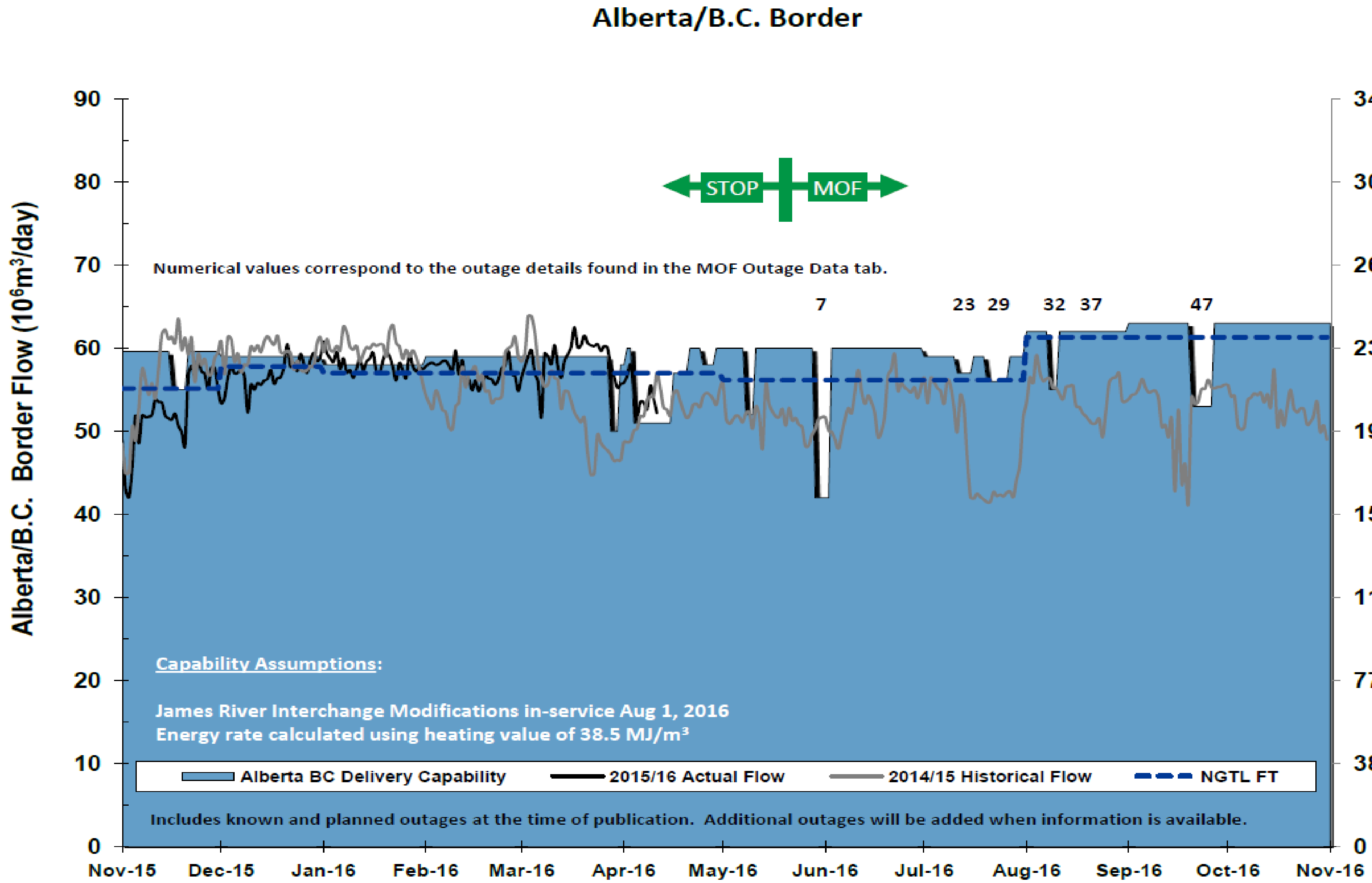
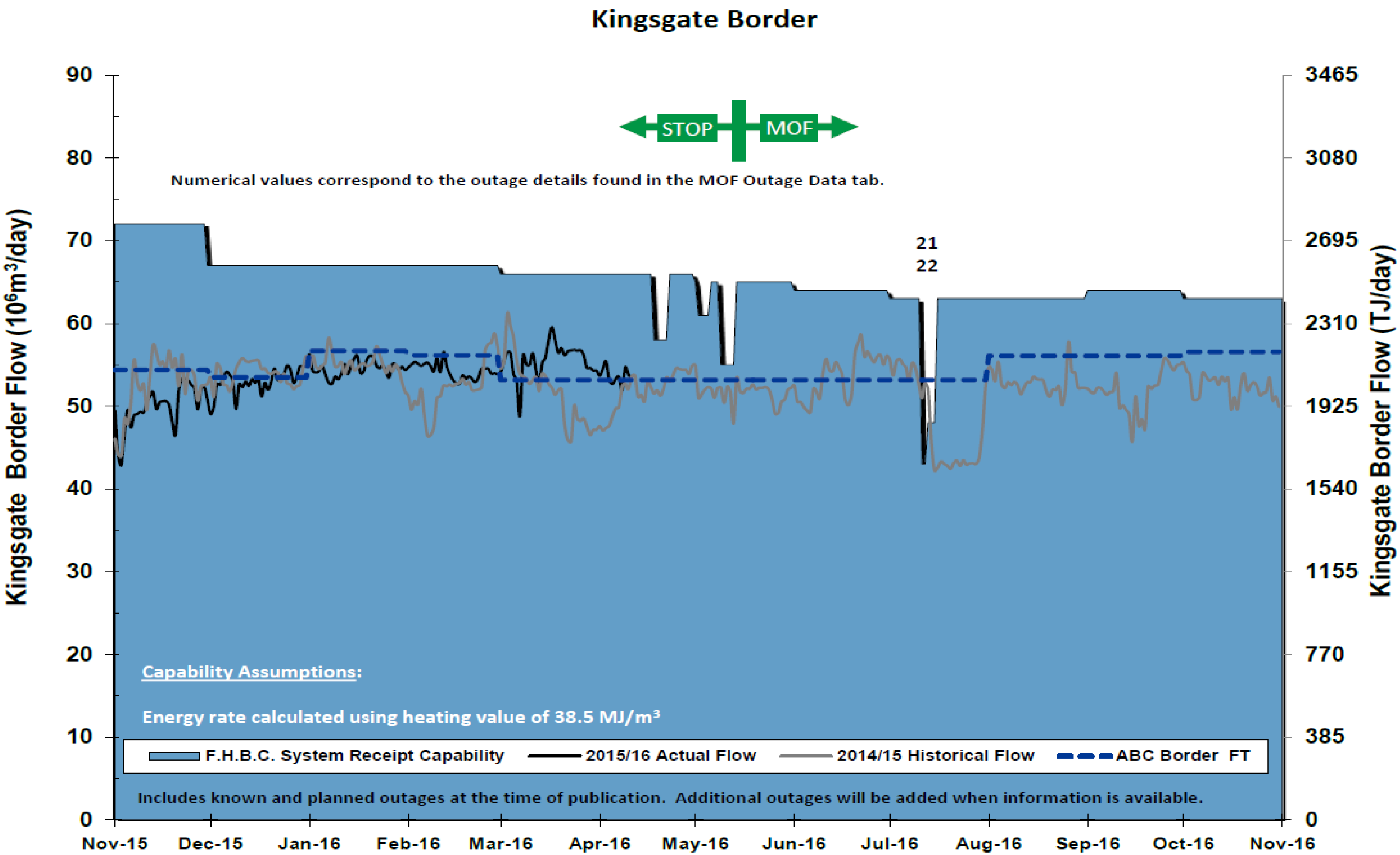
Monthly Outage Forecast - April



Monthly Outage Forecast - April



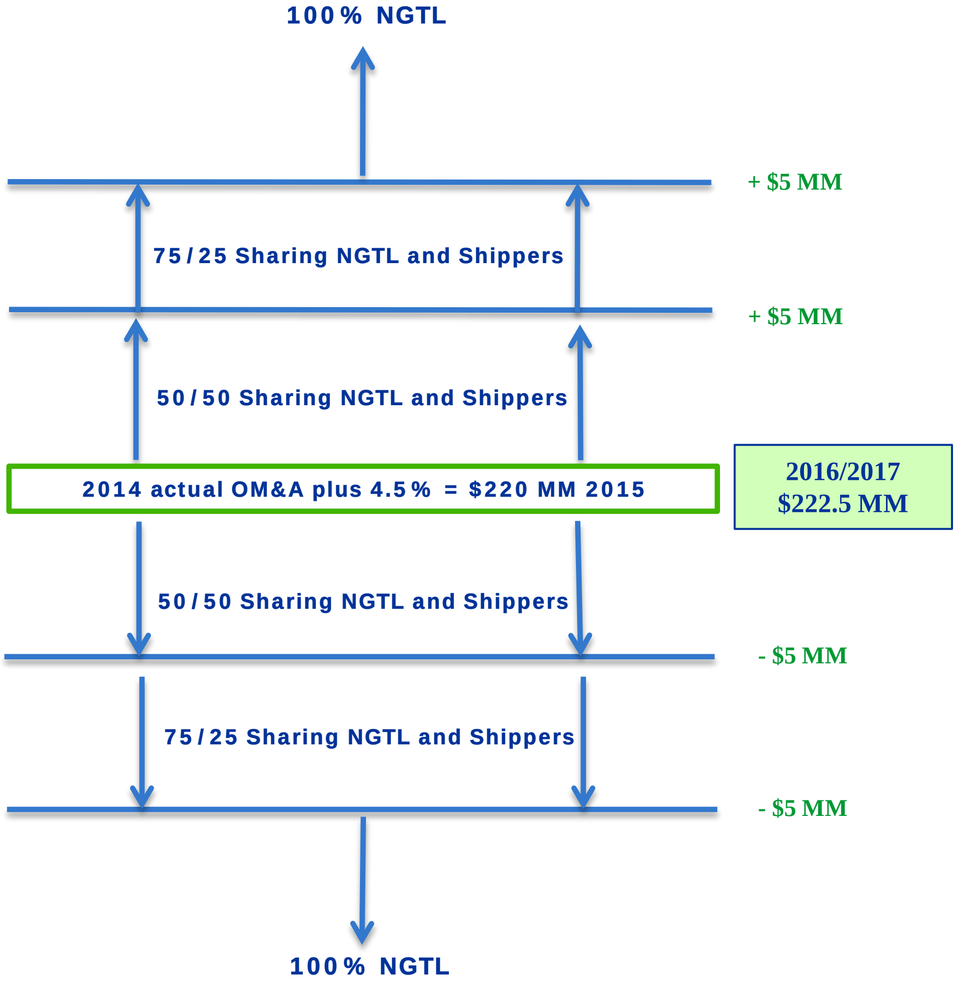
NGTL System Settlements

- **2015 Settlement:**
  - 10.1% return on equity and 40% equity thickness
  - 3.17% composite depreciation rate
  - OM&A sharing mechanism with collars allocating risks/rewards
  - $220 million fixed OM&A threshold

- **2016/17 Settlement:**
  - Continuation of 2015 cost of capital and depreciation rates
  - Same OM&A collar structure
  - $222.5 million fixed OM&A threshold each year

- **NEB approved the 2016-2017 Settlement on April 7, 2016**

OM&A Sharing Mechanism



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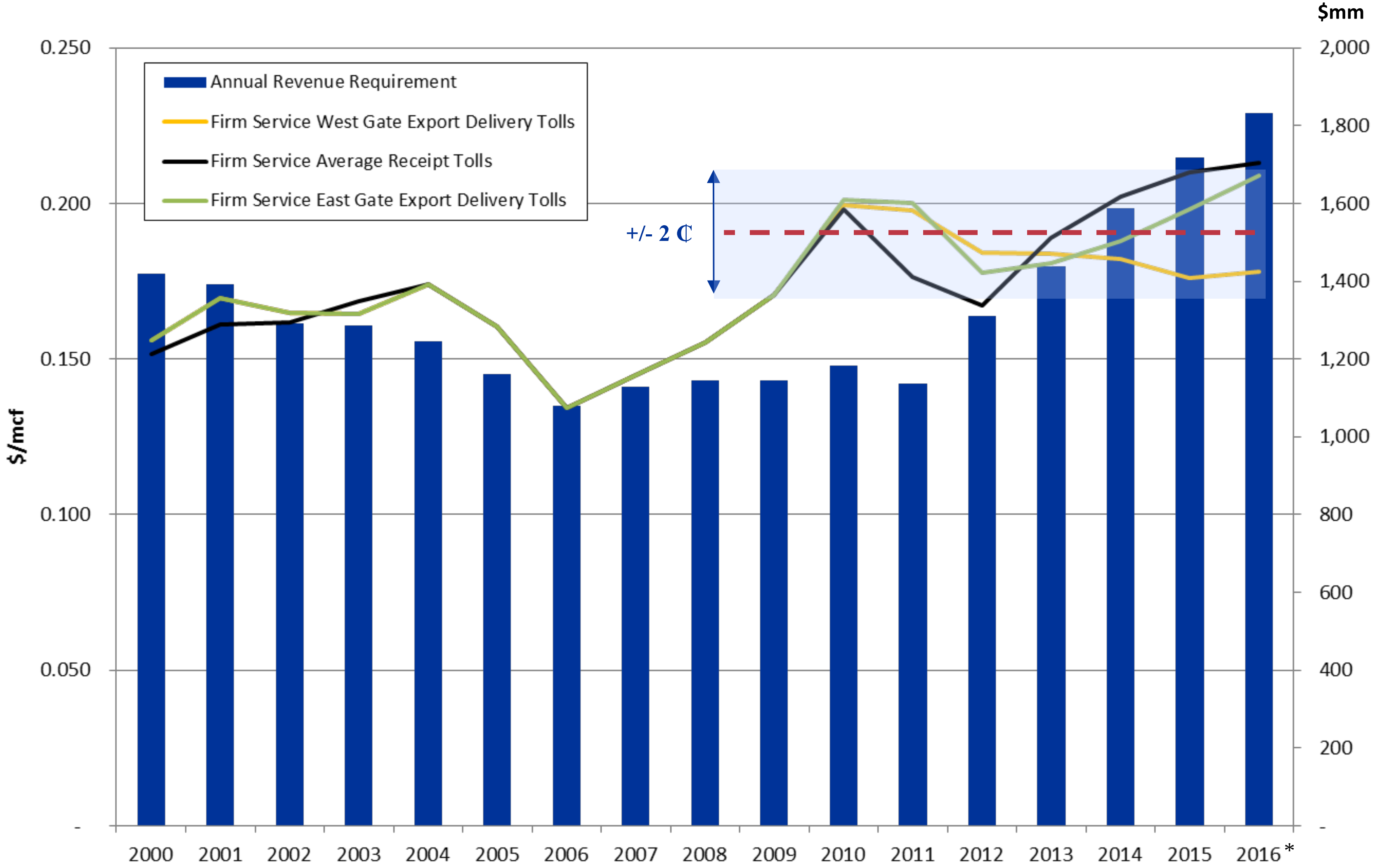
NGTL Revenue Requirement and System Tolls



*2016 Interim Tolls

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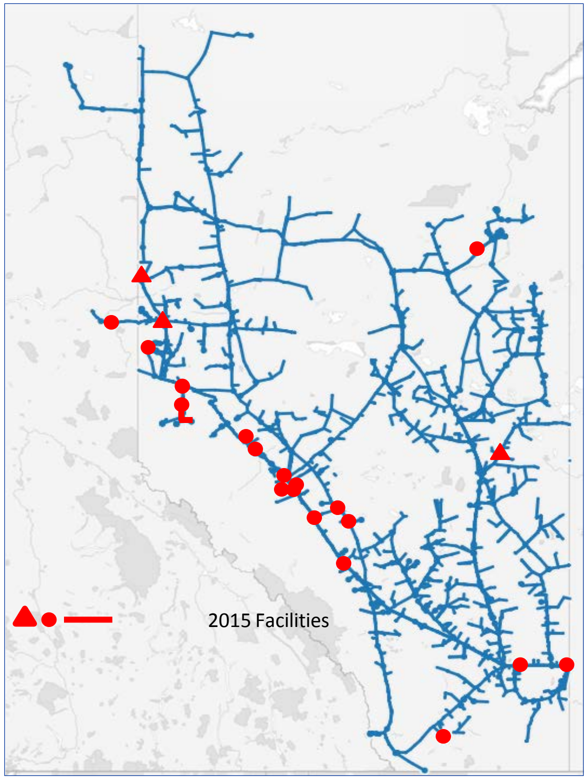
NGTL System Growth Through 2018

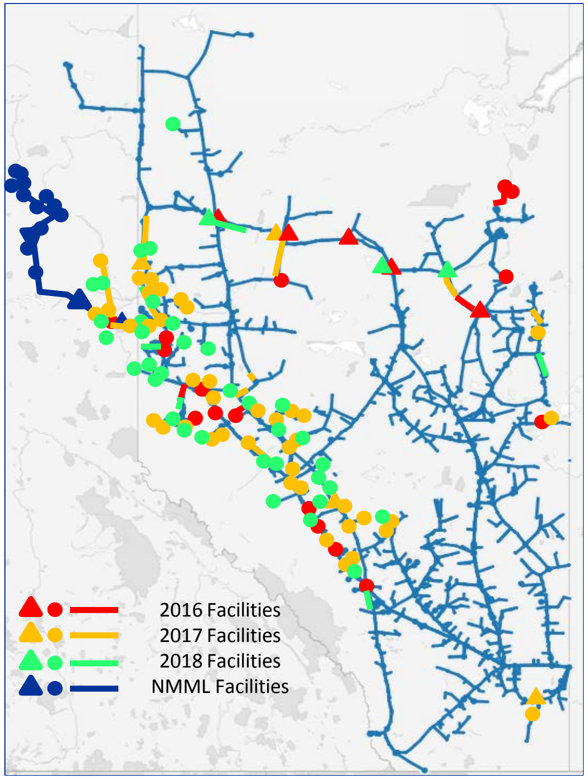
2015 Expansion Facilities

- ~$300 million capital additions
- 28 km NPS 24 pipelines
- 3.5 MW compression
- 15 meter stations

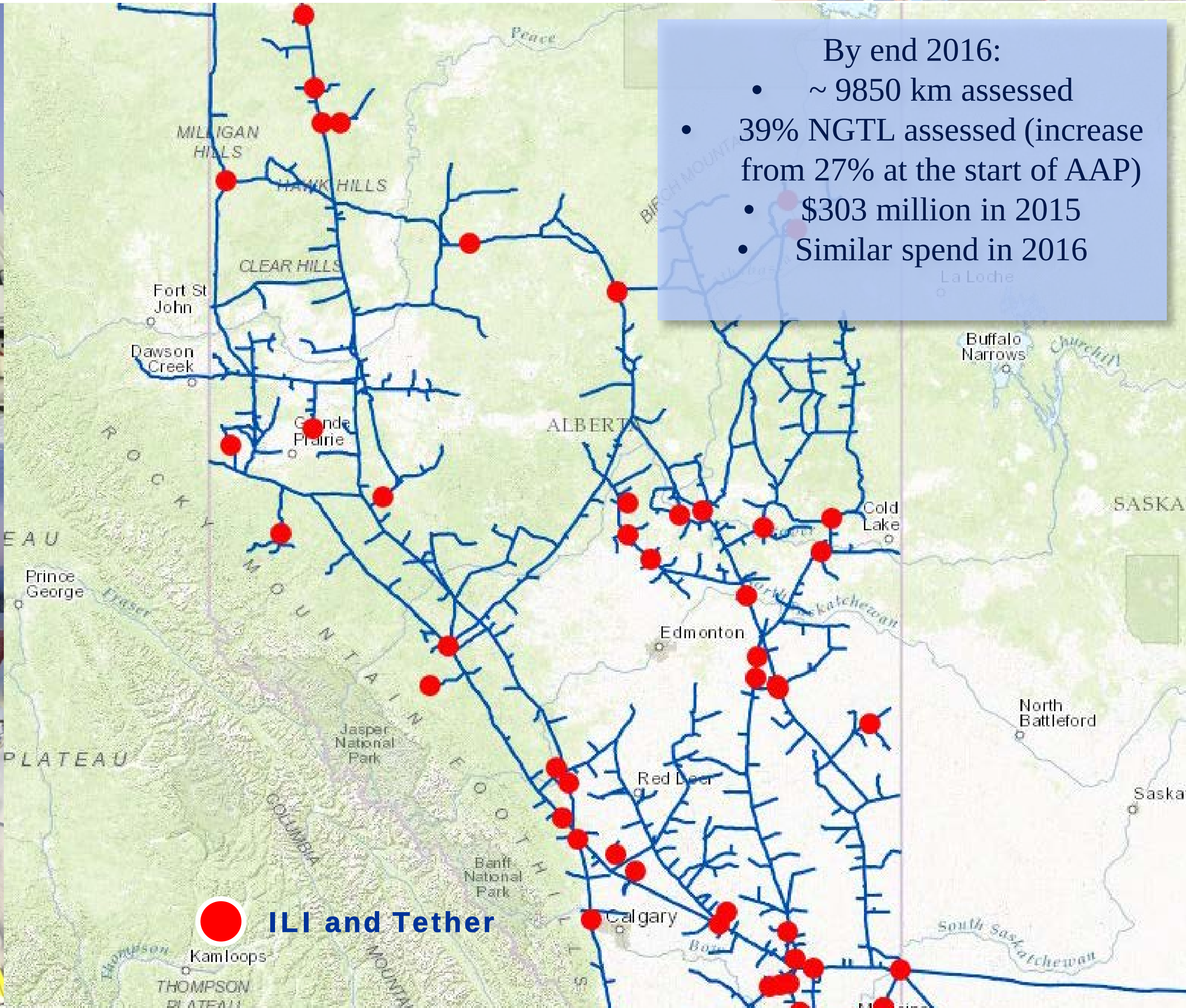


2016-2018 Expansion Facilities

- ~$5.3 billion capital additions
- Over 900 km NPS 20-48 pipelines
- ~ 240 MW compression
- Over 50 meter stations
- > 6.0 Bcf/d incremental firm contracts



Pipeline Integrity Program: Progressing as Planned

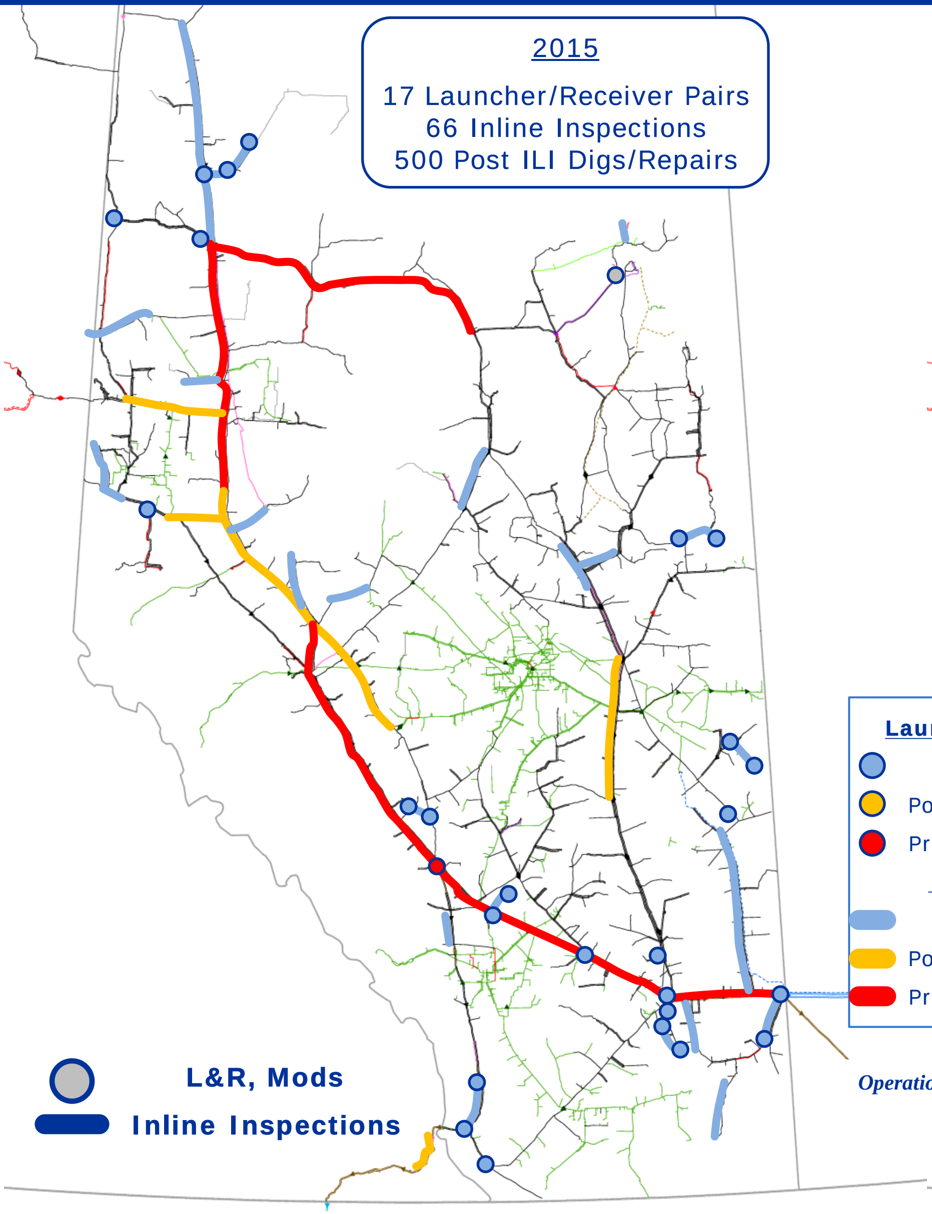


By end 2016:

- ~ 9850 km assessed
- 39% NGTL assessed (increase from 27% at the start of AAP)
- $303 million in 2015
- Similar spend in 2016

- Met all Commitments to date, on schedule for future commitments
- Organizational realignment of Integrity Management to include functions of planning, engineering and project management

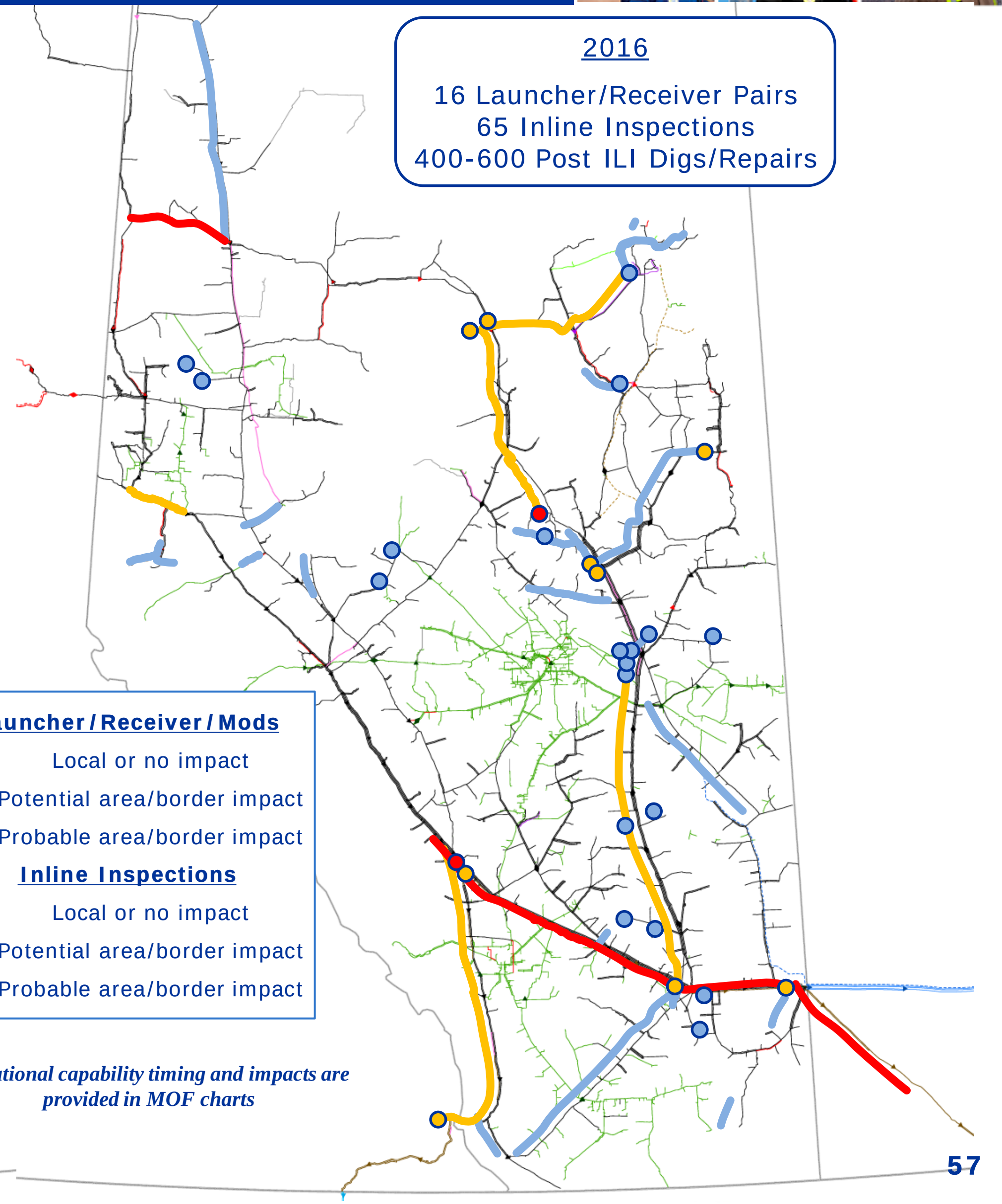
2015 and 2016 Pipeline Integrity Program Overview



2015

17 Launcher/Receiver Pairs
66 Inline Inspections
500 Post ILI Digs/Repairs

L&R, Mods
Inline Inspections



2016

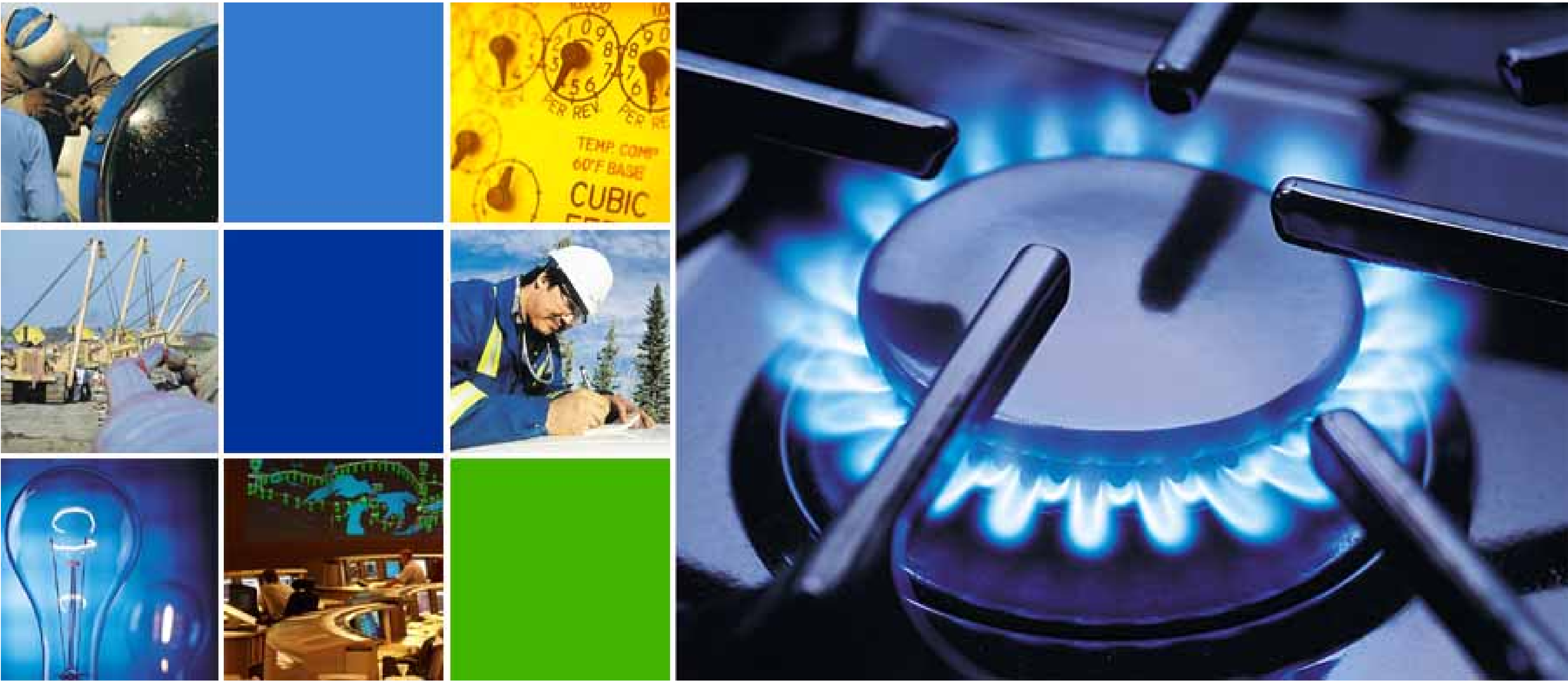
16 Launcher/Receiver Pairs
65 Inline Inspections
400-600 Post ILI Digs/Repairs

Launcher / Receiver / Mods
- Local or no impact
- Potential area/border impact
- Probable area/border impact

Inline Inspections
- Local or no impact
- Potential area/border impact
- Probable area/border impact

Operational capability timing and impacts are provided in MOF charts

THANK YOU !



Paul Oliver
USPL – Operations Control

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Recap of Operations

- GTN experienced its Peak Day on August 25th, 2015, with total physical deliveries of 2.2-MMDth.

- There have been no unplanned outages resulting in nomination cuts on either GTN or Tuscarora since June 2010.

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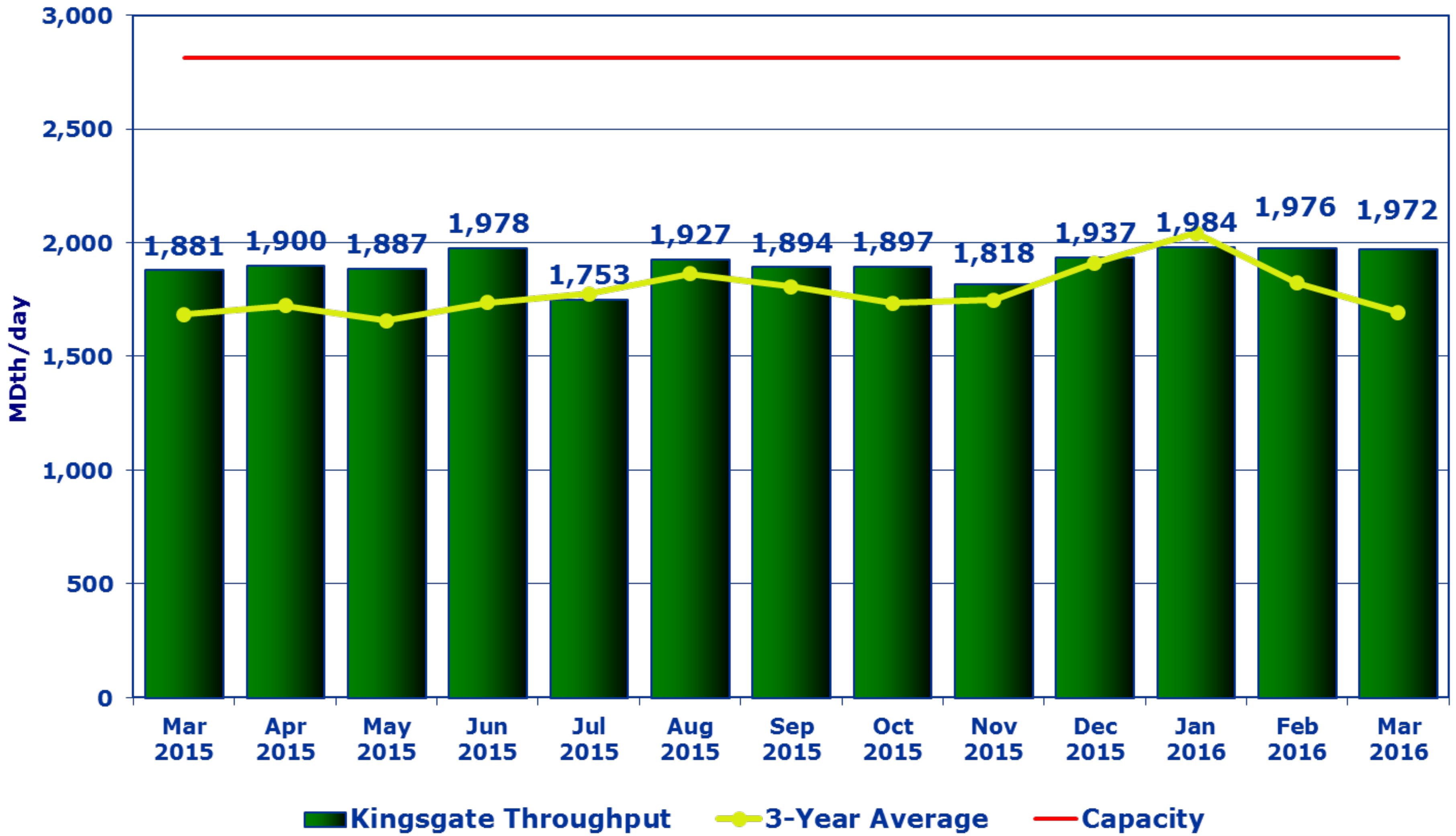
GTN Average Day System Throughput



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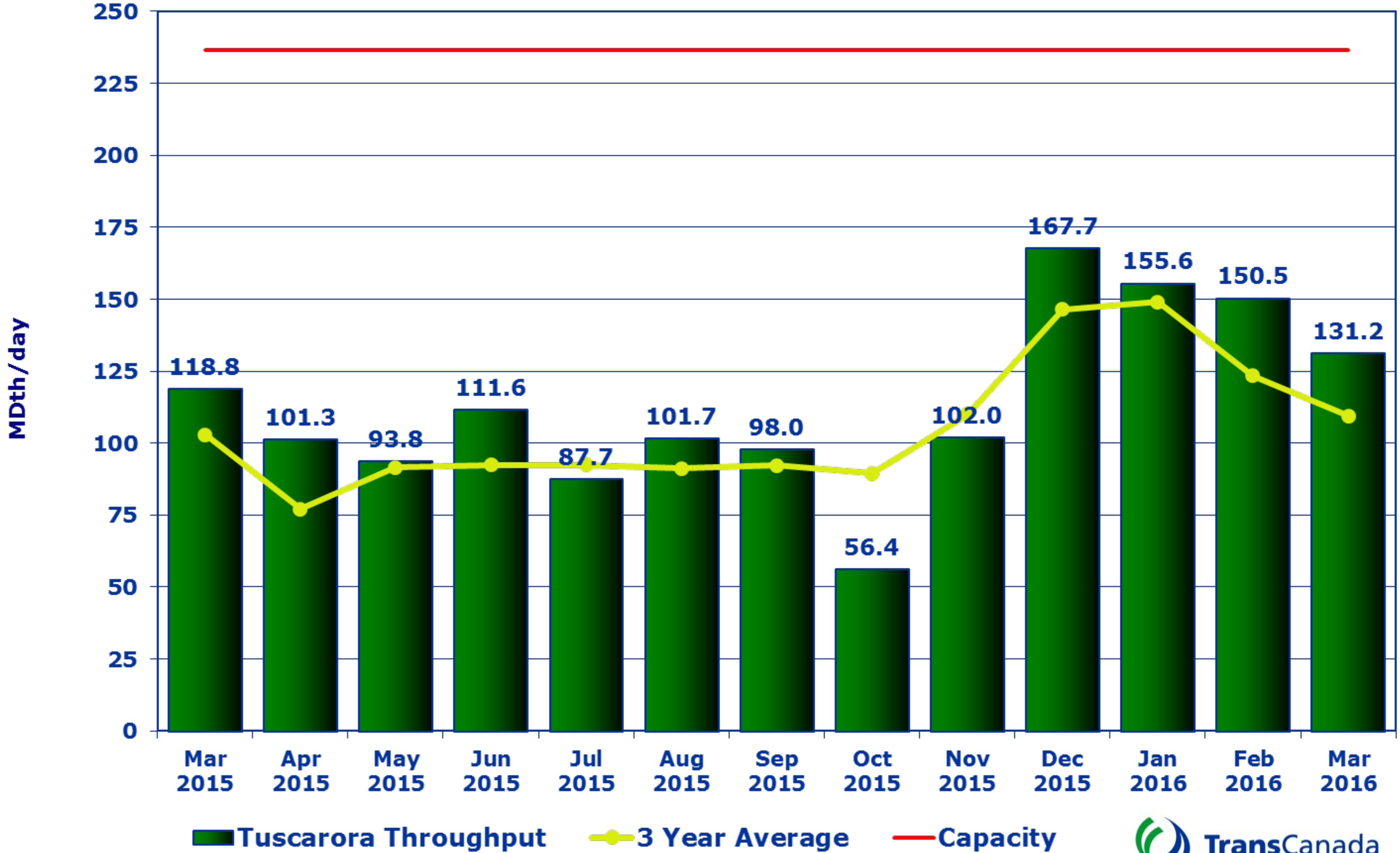
Tuscarora Average Day System Throughput



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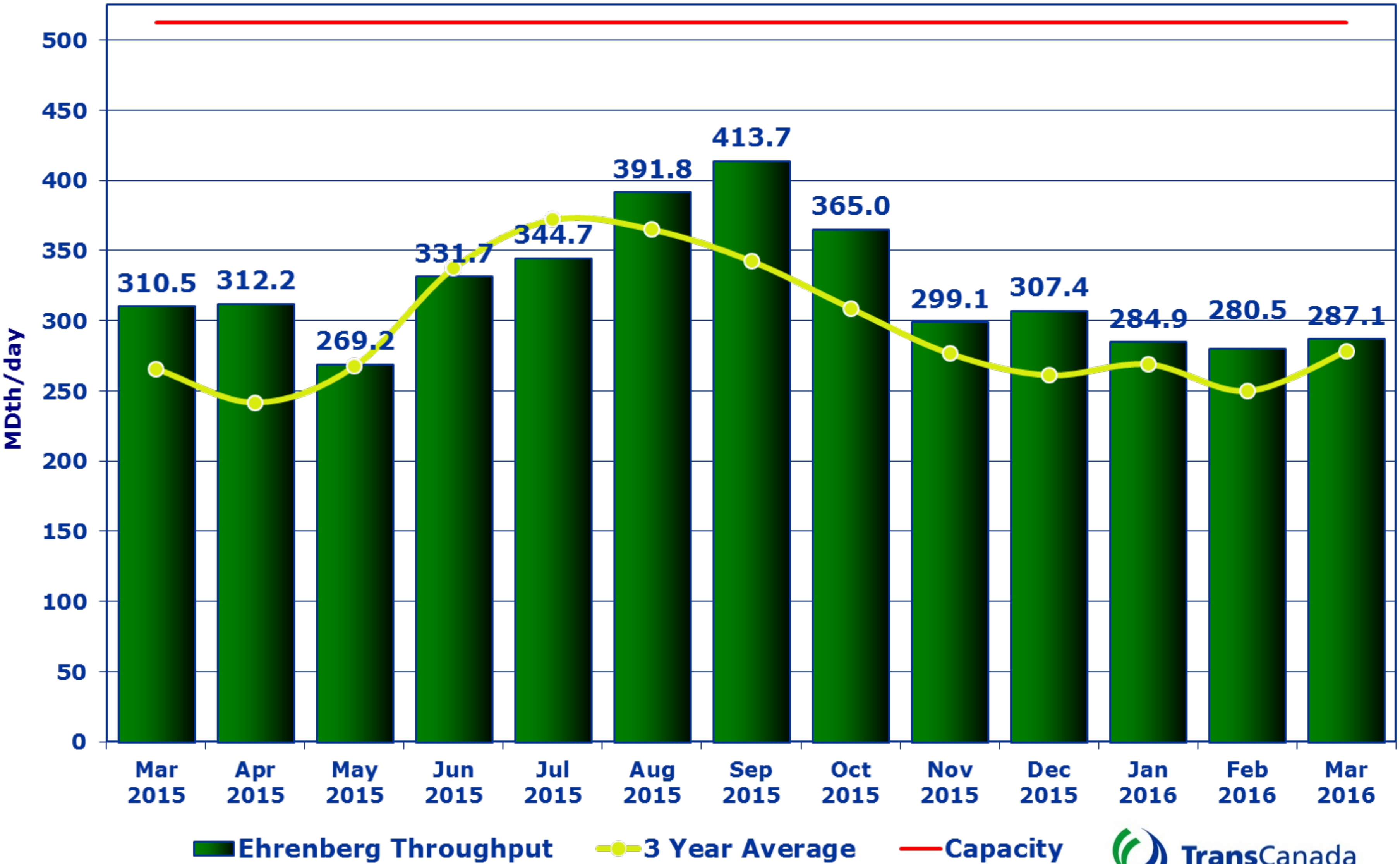
North Baja Average Day System Throughput



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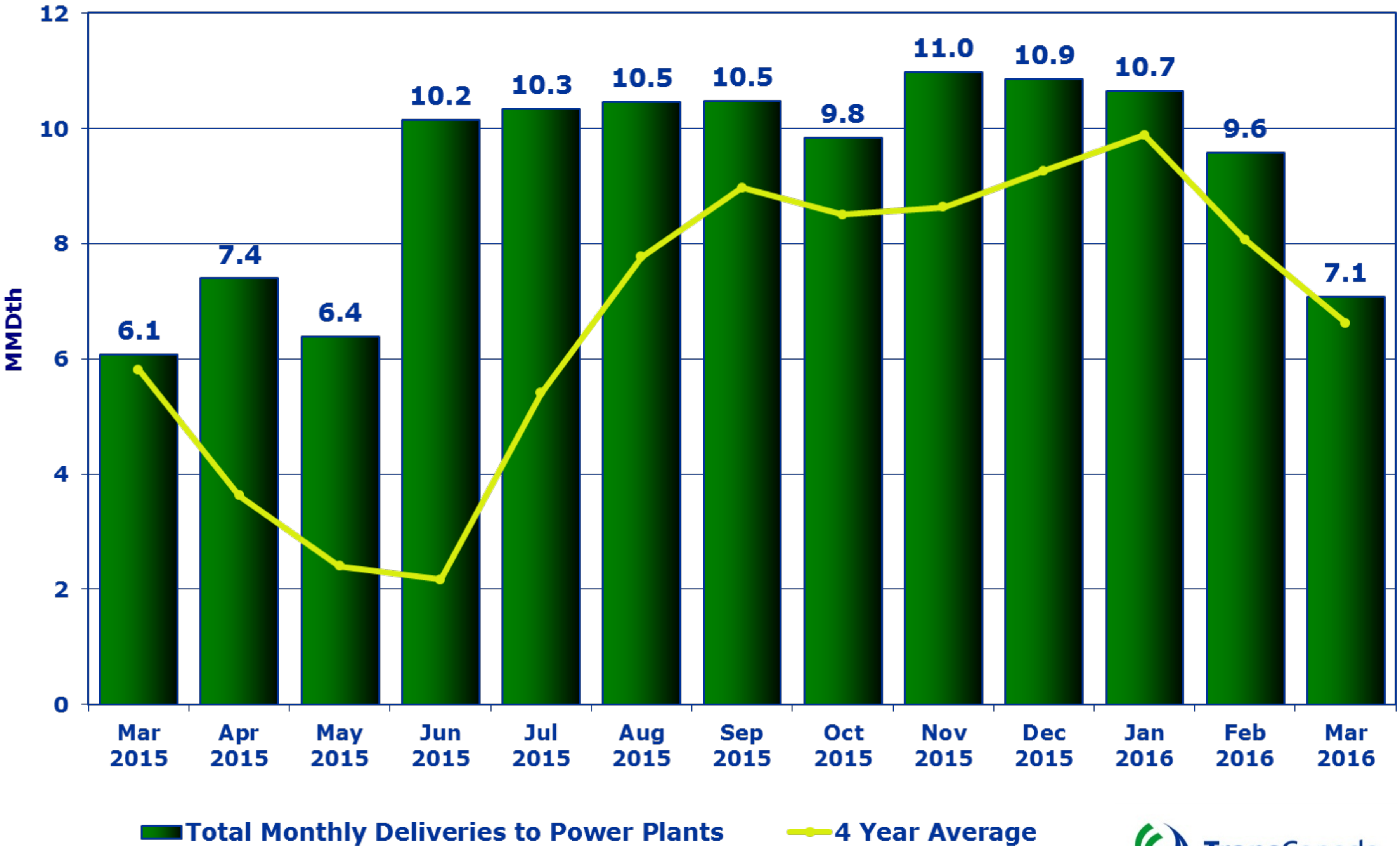
GTN Power Loads



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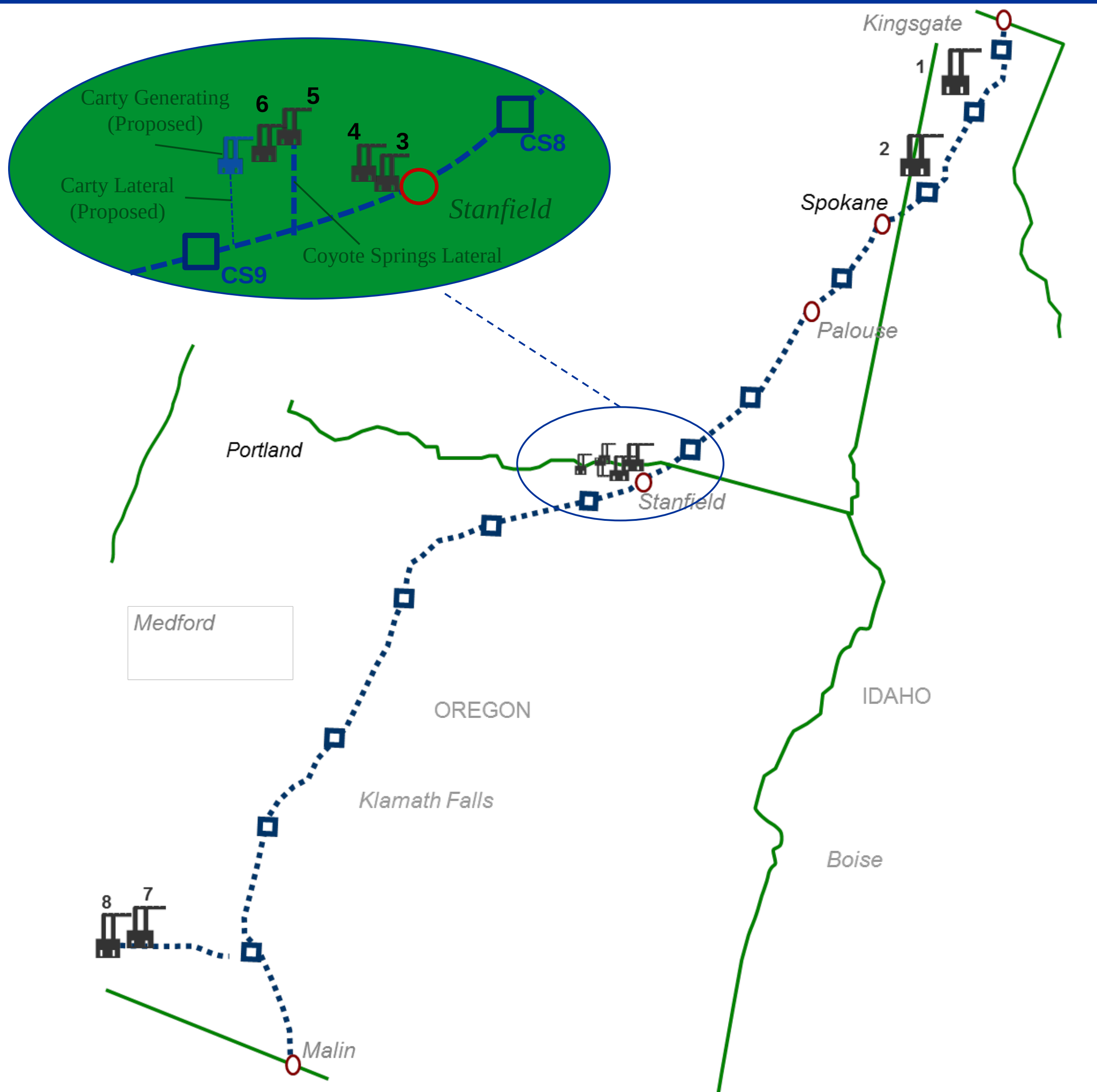
GTN Power Plant Connections



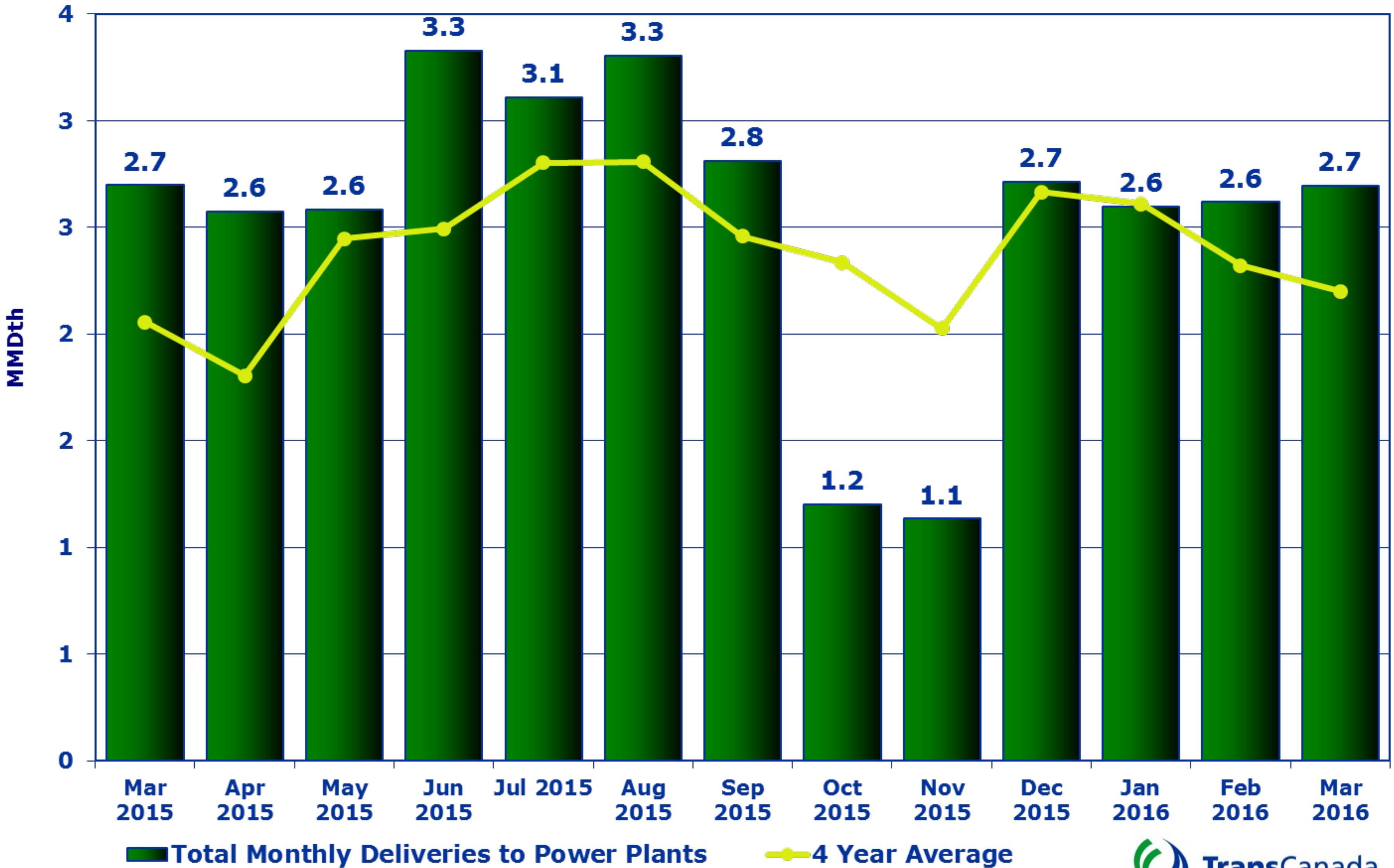
Power Plants

1. Lancaster LLC
2. Rathdrum CT
3. Calpine HPP
4. Hermiston Generating
5. Coyote Springs I
6. Coyote Springs II
7. Klamath Cogen
8. Klamath Expansion

Legend

- Power Plant
- Compressor Station
- Major R/D Point

Tuscarora Power Load



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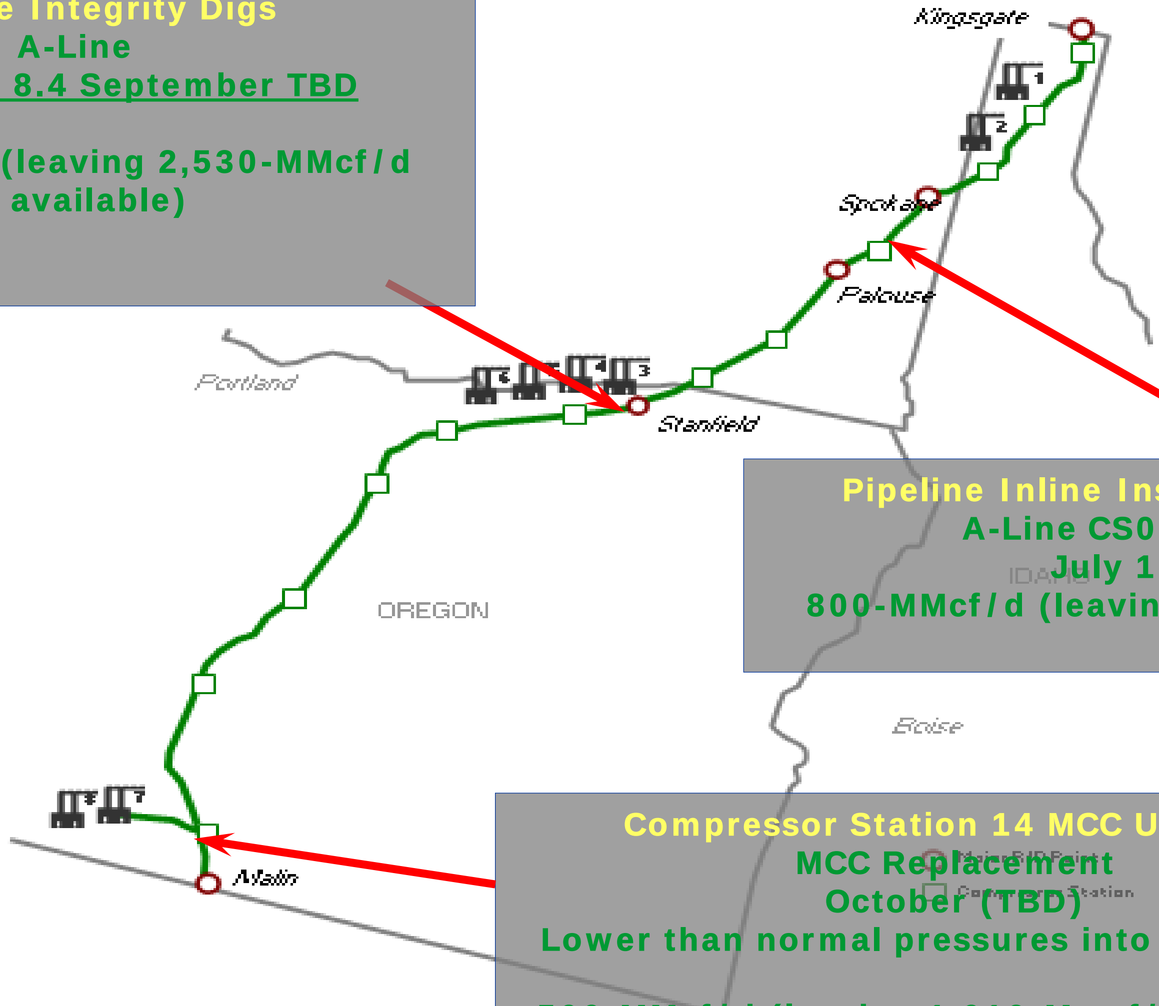
2016 GTN Maintenance Schedule

Pipeline Integrity Digs
A-Line
EXT.02 MLV 8.4 September TBD

200 – MMcf/d (leaving 2,530-MMcf/d available)



Pipeline Inline Inspection (EMAT)
A-Line CS03 to CS06
July 11-15
800-MMcf/d (leaving 1,930 available)

Compressor Station 14 MCC Upgrade
MCC Replacement
October (TBD)
Lower than normal pressures into Malin PG&E

500-MMcf/d (leaving 1,610-Mmcf/d available)

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2016 Maintenance Schedule
Tuscarora & North Baja

- No Maintenance Scheduled that will impact capacity

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Questions

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Guest Speaker

Mr Dennis Gartman
Editor/Publisher
The Gartman Letter

TransCanada

GTN Shipper Meeting

Business Development

May 5, 2016

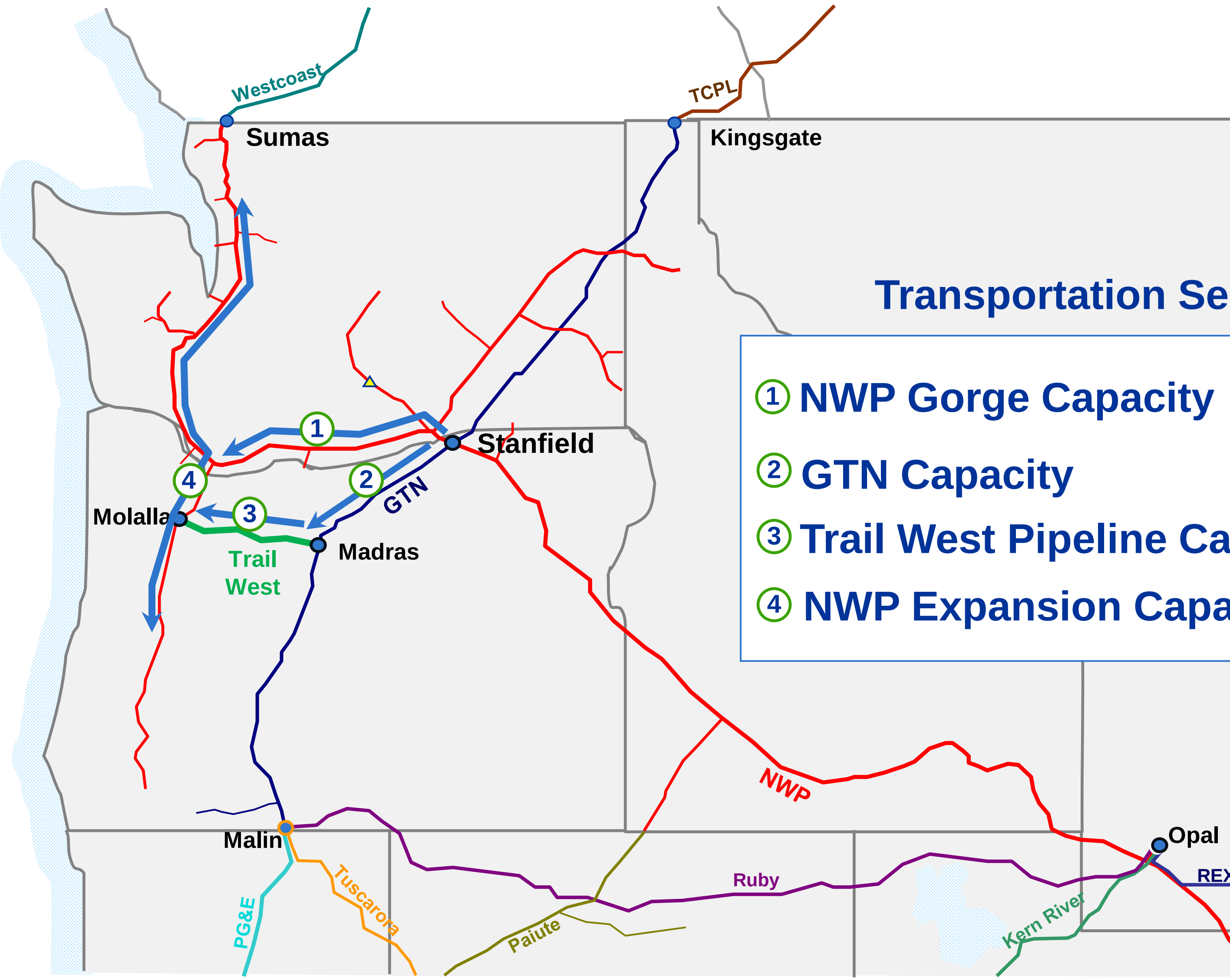
TransCanada
In business to deliver

Trail West Pipeline

- 106 mile, 30” pipe
- Supply receipt from GTN mainline near Madras
- Delivery points into NW Natural and Northwest Pipeline at Molalla
- Industrial developments and system reliability
- $800 MM (US $2021)
- Illustrative rates:

  $0.375 - $0.525
- In-Service: Nov. 2021

The Integrated Project Concept



Transportation Segments

① NWP Gorge Capacity

② GTN Capacity

③ Trail West Pipeline Capacity

④ NWP Expansion Capacity: I-5 Corridor

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