

# Dominion Transmission Overview

## NYISO Electric/Gas Coordination Working Group

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**Dominion**  
It all starts here.™

# Agenda

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## ❑ Dominion Overview

## ❑ Pipeline Operations

- Transportation & Storage Services
- Nominations and Power Plant Burn Profiles

## ❑ Dominion Expansions

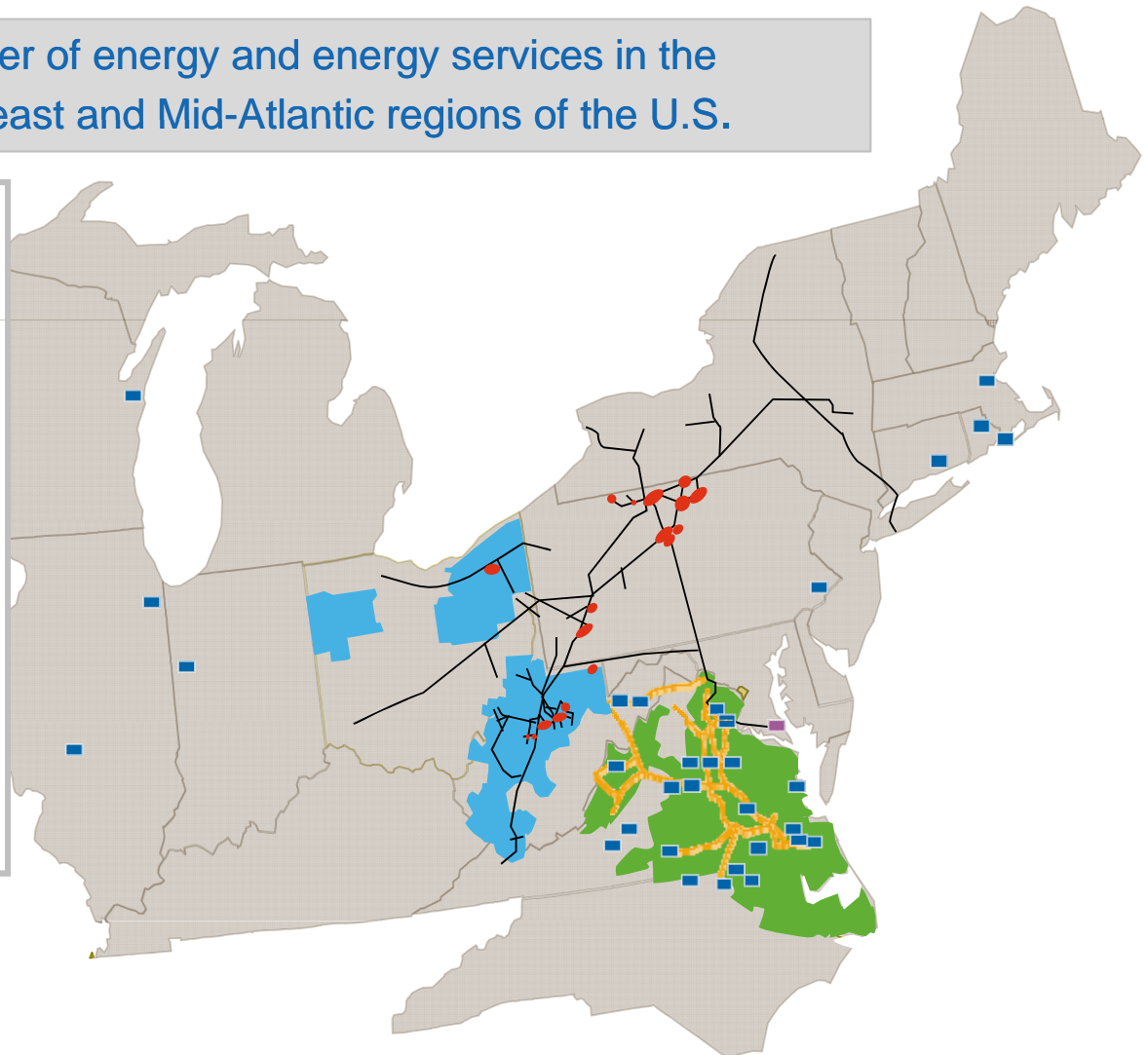


# Dominion Profile

## Power and Natural Gas Infrastructure

Leading provider of energy and energy services in the Midwest, Northeast and Mid-Atlantic regions of the U.S.

- ~28,200 MW of electric generation
- ~6,300 miles of electric transmission
- 11,000 miles of natural gas transmission, gathering and storage pipeline
- 947 billion cubic feet of natural gas storage operated
- Cove Point LNG Facility
- 2.4 million electric customers in VA and NC
- 1.3 million natural gas customers in OH & WV
- 2.2 million non-regulated retail customers in 15 states



# Dominion Transmission

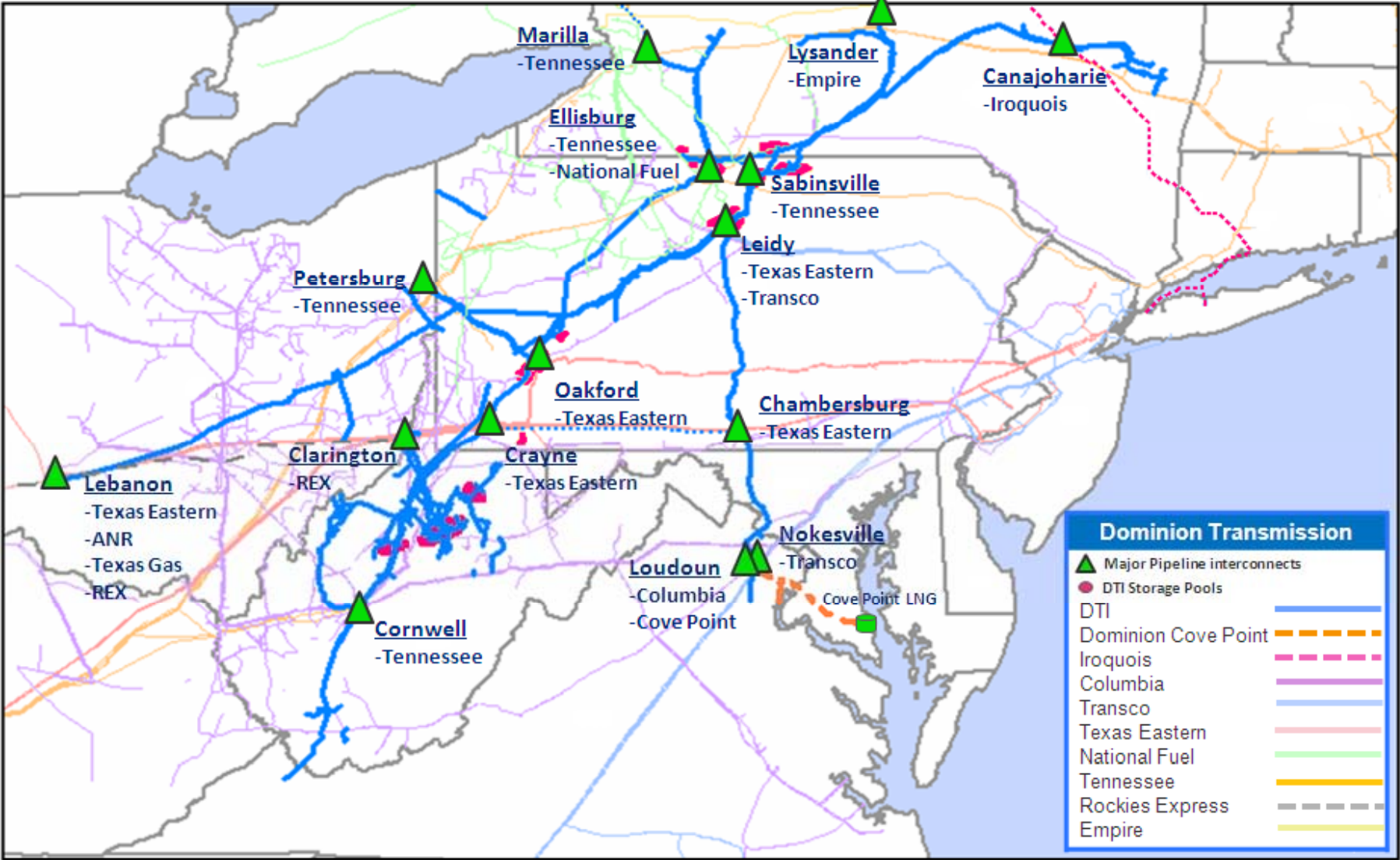
## Transmission & Storage Facilities

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- ❑ “Flywheel of the Northeast”
- ❑ 3,765 miles of Transmission pipeline
- ❑ 475 miles of Storage pipeline
- ❑ 7.2 Bcf/d Peak Sendout Capability
- ❑ 15 Storage Pools
  - Operates 758 Bcf Gas Storage Capacity  
(Excluding Gas LDC storage)
- ❑ ~ 630,000 hp of compression

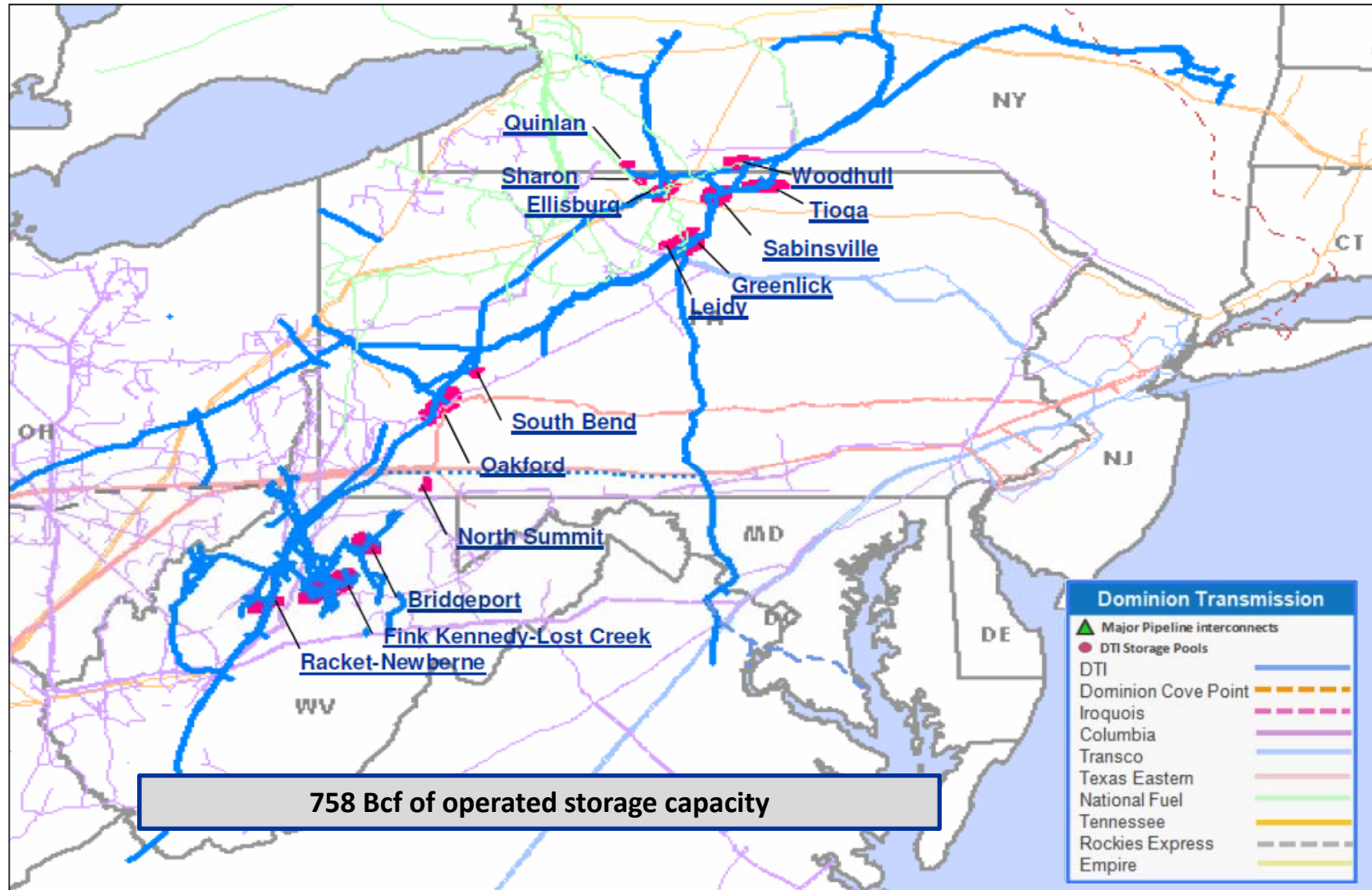


# DTI Pipeline Interconnects



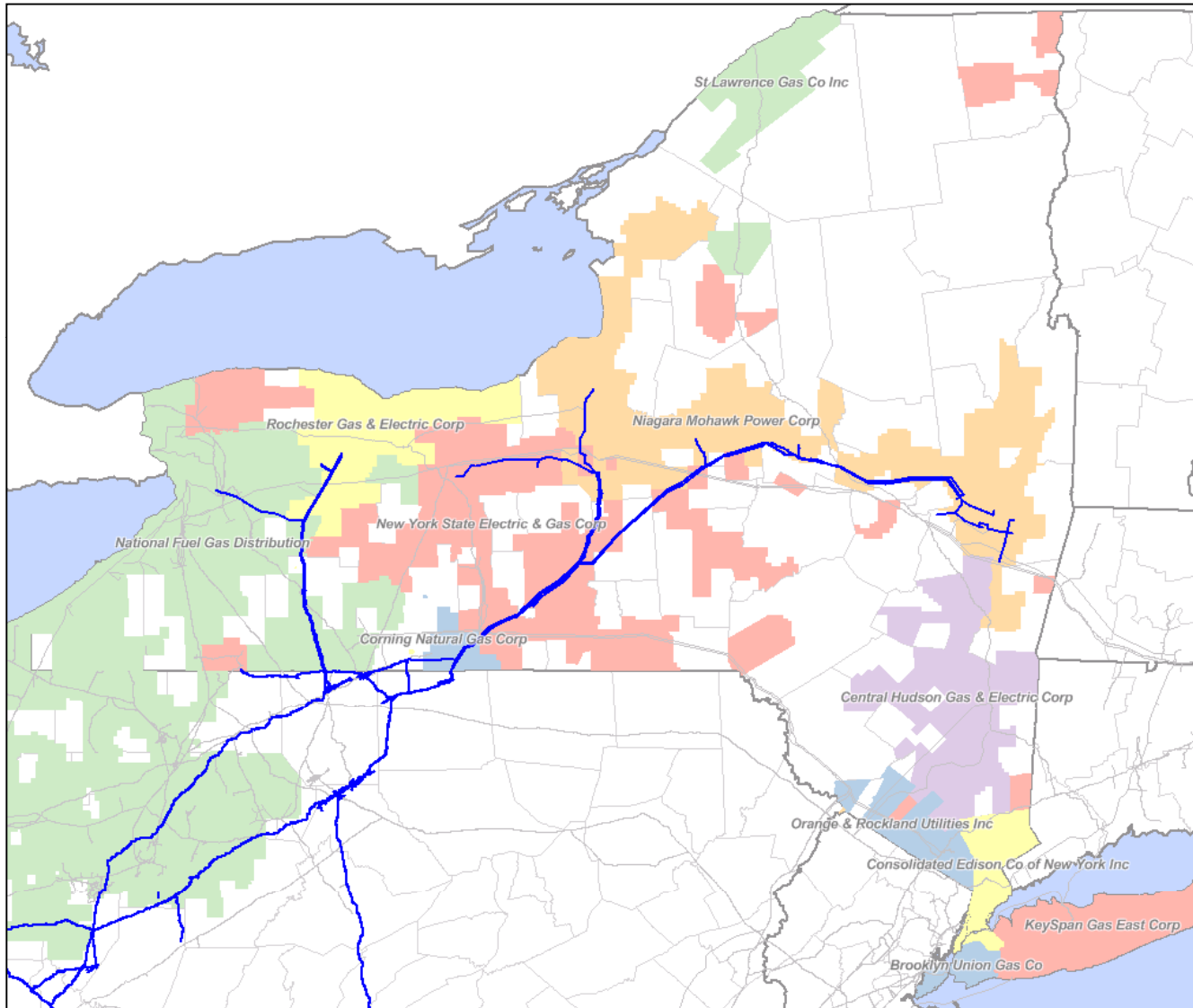
# Dominion Transmission

## Storage Pools



# Dominion Transmission

## Upstate NY



- DTI connects directly with most Upstate NY LDC's
- Service to downstate markets through other pipelines
- NY Power generation served through deliveries to LDC citygates.

# Types of Service Contracts

## Rate Schedules

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### Firm Transportation Services

- **FT** Firm Transport
- **FTNN** Firm Transport No Notice
- **FTGSS** Firm Transport General Storage Service
- **FTNNGSS** Firm Transport No Notice General Storage Service

### Storage Services

- **GSS** General Storage Service
- **GSS-E** General Storage Service- Enhanced

### Interruptible Services

- **MCS** Market Center Services
- **IT** Interruptible Transport



# Dominion Nomination Timeline

- Nominations are made through DTI's EBB platform, called E-script

Central Clock Time (CCT)	Timely Nomination	Evening Cycle	Morning Cycle	Intra-Day 1	Intra-Day 2	Intra-Day 3
<b>Nomination Deadline</b>	11:30 am	6:00 pm	7:45 am	10:00 am	5:00 pm	8:45 pm
<b>Effective Time (Gas Flow)</b>	9:00 am Next Day	9:00 am Next Day	12:00 noon Current Day	5:00 pm Current Day	9:00 pm Current Day	1:00 am Current Day

The table is annotated with brackets indicating cycles:
 

- NAESB Cycle:** Encompasses the Timely Nomination, Evening Cycle, and Morning Cycle columns.
- DTI Cycle:** Encompasses the Morning Cycle, Intra-Day 1, Intra-Day 2, and Intra-Day 3 columns.
- NAESB Cycle:** Encompasses the Intra-Day 1 and Intra-Day 2 columns.

# Power Plant Burn Profile

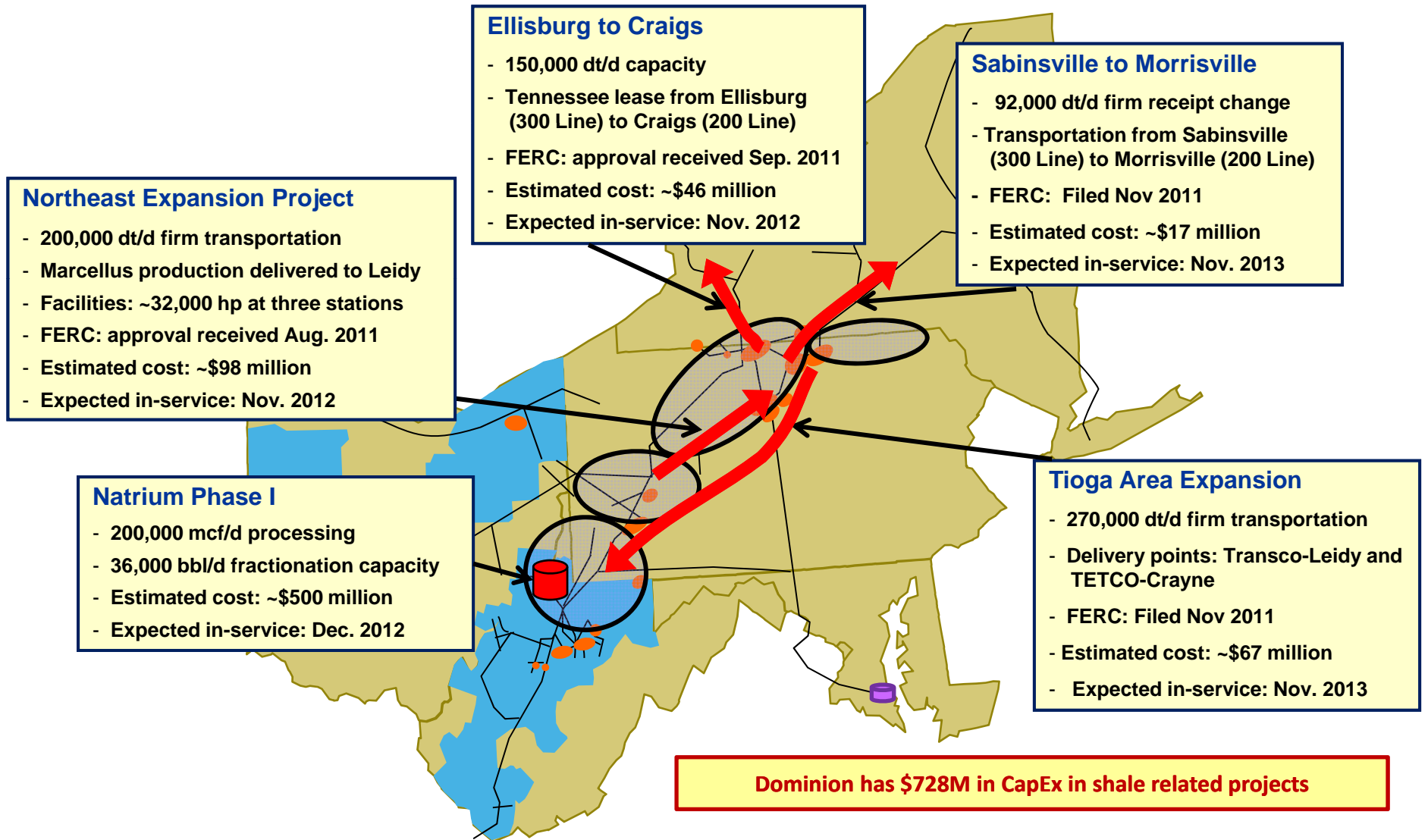
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- ❑ Each power plant must submit an hourly burn profile to DTI specifying:
  - Hourly flow rate and total daily flow
  - Gas supply and gas burn must be on the same day
- ❑ Must have a supply source and nomination prior to submitting burn profile in order to be approved.
- ❑ Submit burn profile as soon as possible, allow at least 1 ½ hours for burn profile approval
  - Prior notification that power plant is active in the electric market expedites approval process.
- ❑ Must have approval prior to burn

# Marcellus Infrastructure

## Dominion Transmission Growth Projects



# Gas Transmission

## Non-Marcellus Projects

### Utica Shale Gathering

- Potentially prolific shale gas play underlying the Marcellus formation
- Opportunity to gather, process, and transport Utica Production
- Both DEO and DTI well positioned to take advantage of this opportunity

### Allegheny Storage Project

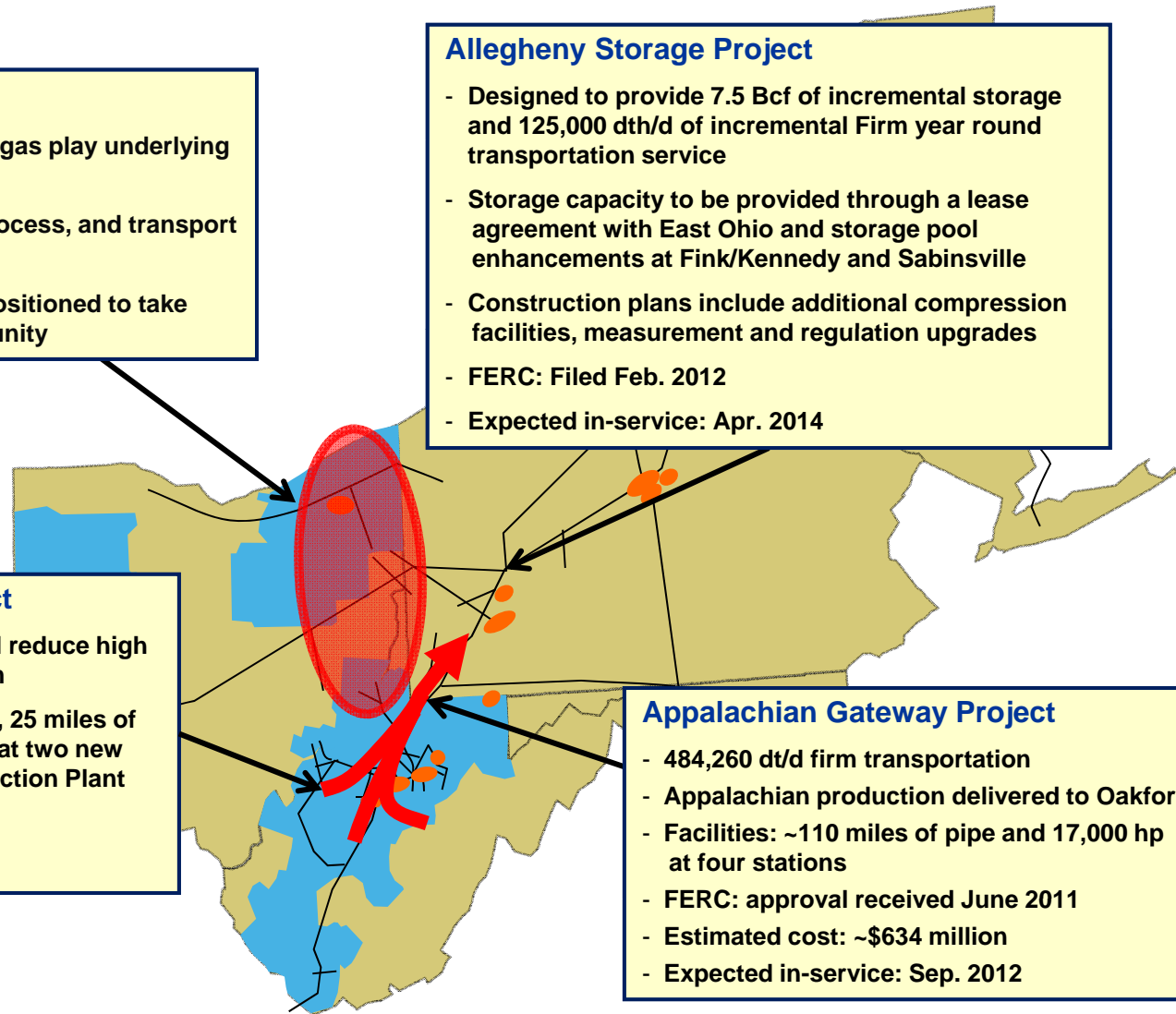
- Designed to provide 7.5 Bcf of incremental storage and 125,000 dth/d of incremental Firm year round transportation service
- Storage capacity to be provided through a lease agreement with East Ohio and storage pool enhancements at Fink/Kennedy and Sabinsville
- Construction plans include additional compression facilities, measurement and regulation upgrades
- FERC: Filed Feb. 2012
- Expected in-service: Apr. 2014

### Gathering Enhancement Project

- Designed to increase efficiency and reduce high pressures in DTI's gathering system
- Facilities: 7,000 hp at nine stations, 25 miles of pipe, 50 MMcf/d of new processing at two new plants, expansion at Hastings Extraction Plant
- Estimated cost: ~\$253 million
- Phased into service 2011-2012

### Appalachian Gateway Project

- 484,260 dt/d firm transportation
- Appalachian production delivered to Oakford
- Facilities: ~110 miles of pipe and 17,000 hp at four stations
- FERC: approval received June 2011
- Estimated cost: ~\$634 million
- Expected in-service: Sep. 2012



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Daily Operations - Thursday, February 23, 2012

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### Critical Notices

POSTED: 02/09/2012 07:32 AM ECT  
**PL-1 Restrictions Effective February 10, 2012**  
 POSTED: 02/09/2012 07:27 AM ECT  
**Revised Loudoun Delivery Restrictions Effective January 30, 2012**  
 POSTED: 01/30/2012 07:22 AM ECT  
**Loudoun Delivery Restrictions Effective January 30, 2012**  
 POSTED: 01/27/2012 07:21 AM ECT

### Non-Critical Notices

**Fuel Waivers-REVISED**  
 POSTED: 02/17/2012 11:46 AM ECT  
**Fuel Waivers-REVISED**  
 POSTED: 02/15/2012 09:52 PM ECT  
**DTI Storage Inventory Tax Allocation REVISED**  
 POSTED: 02/16/2012 07:50 AM ECT  
**Fuel Waivers-REVISED**  
 POSTED: 02/15/2012 02:16 PM ECT

### Meter Specific Constraints - Timely

Meter Number	Station Name	Station Location	Dir of Flow
30040	ALLEGHENY ENERGY - SPRINGDALE	ALLEGHENY ENERGY - SPRINGDALE	D
40114	MORRISVILLE	TENNESSEE	D
40116	PETERSBURG	TENNESSEE	R

Remaining Capacity ≤ 15% and > 5%  
 Remaining Capacity ≤ 5%  
 Meter is Primary Only

### Cycle Indicators

	Morning Cycle 1	Intraday 1	Timely	Intraday 2	Evening Cycle	Intraday 3
Gas Day	02/23	02/23	02/24	02/23	02/24	02/23
Nomination Cycle	CLOSED	CLOSED	CLOSED	OPEN	OPEN	CLOSED
Confirmation Cycle	N/A	CLOSED	CLOSED	CLOSED	CLOSED	N/A