



Vector Pipeline™

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Mid-Continent LDC Forum

September 2017



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Brief History



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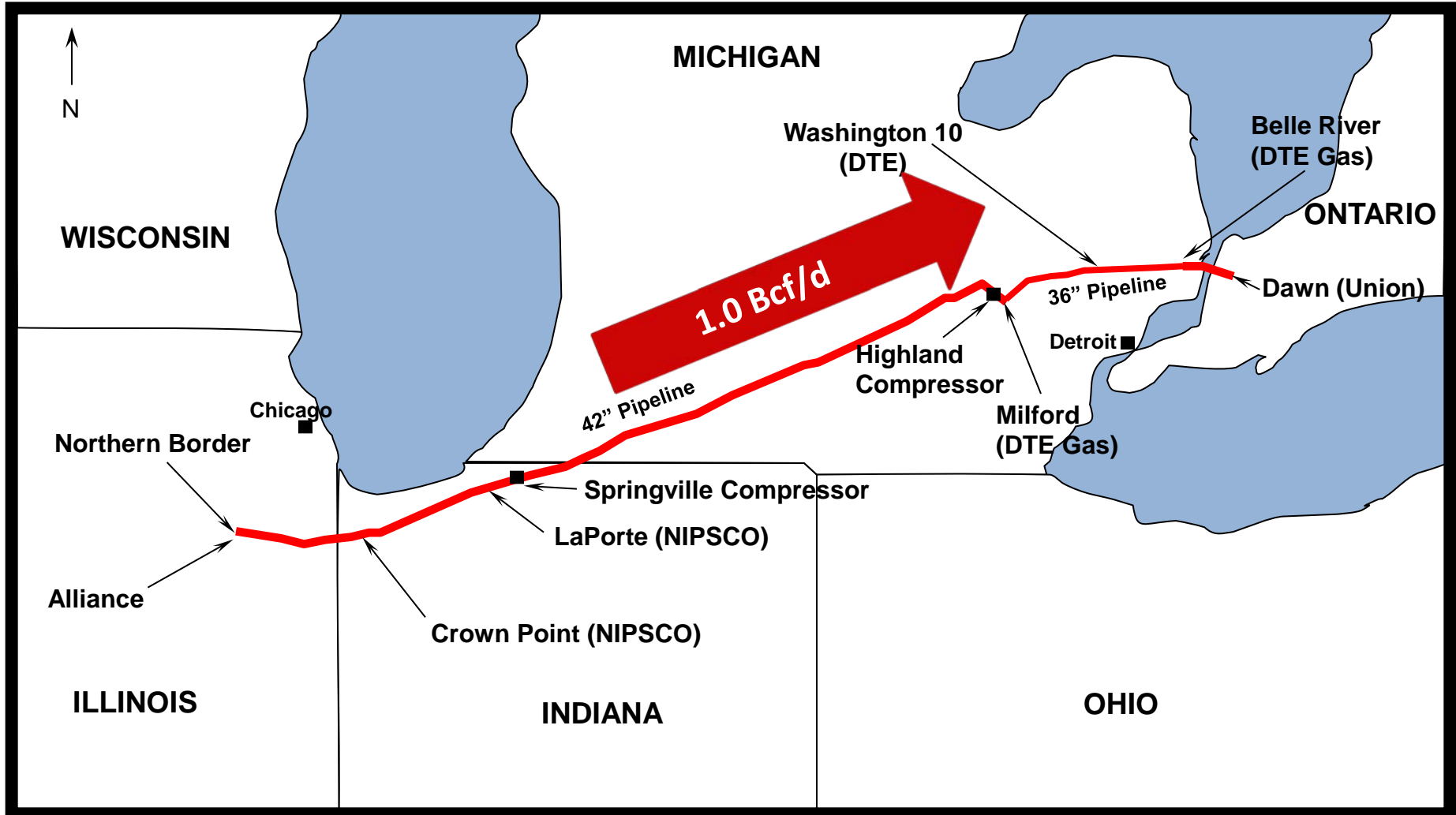
Overview

- **Headquartered in Livonia, MI**
 - Partnership Owned Pipeline:
 - Enbridge (60%) & DTE Energy (40%)
- **348 Miles of 1000 psig MAOP Pipeline extending from Joliet, Illinois to Dawn, Ontario**
 - 333 Miles in the U.S.
 - 273 Miles of 42"
 - 60 Miles of 36"
 - 15 Miles of 42" in Canada
- **In-service December 1, 2000**
- **Initially designed to provide an alternate route to bring Western Canadian gas to Dawn, Ontario.**



The Original System (2000/01)

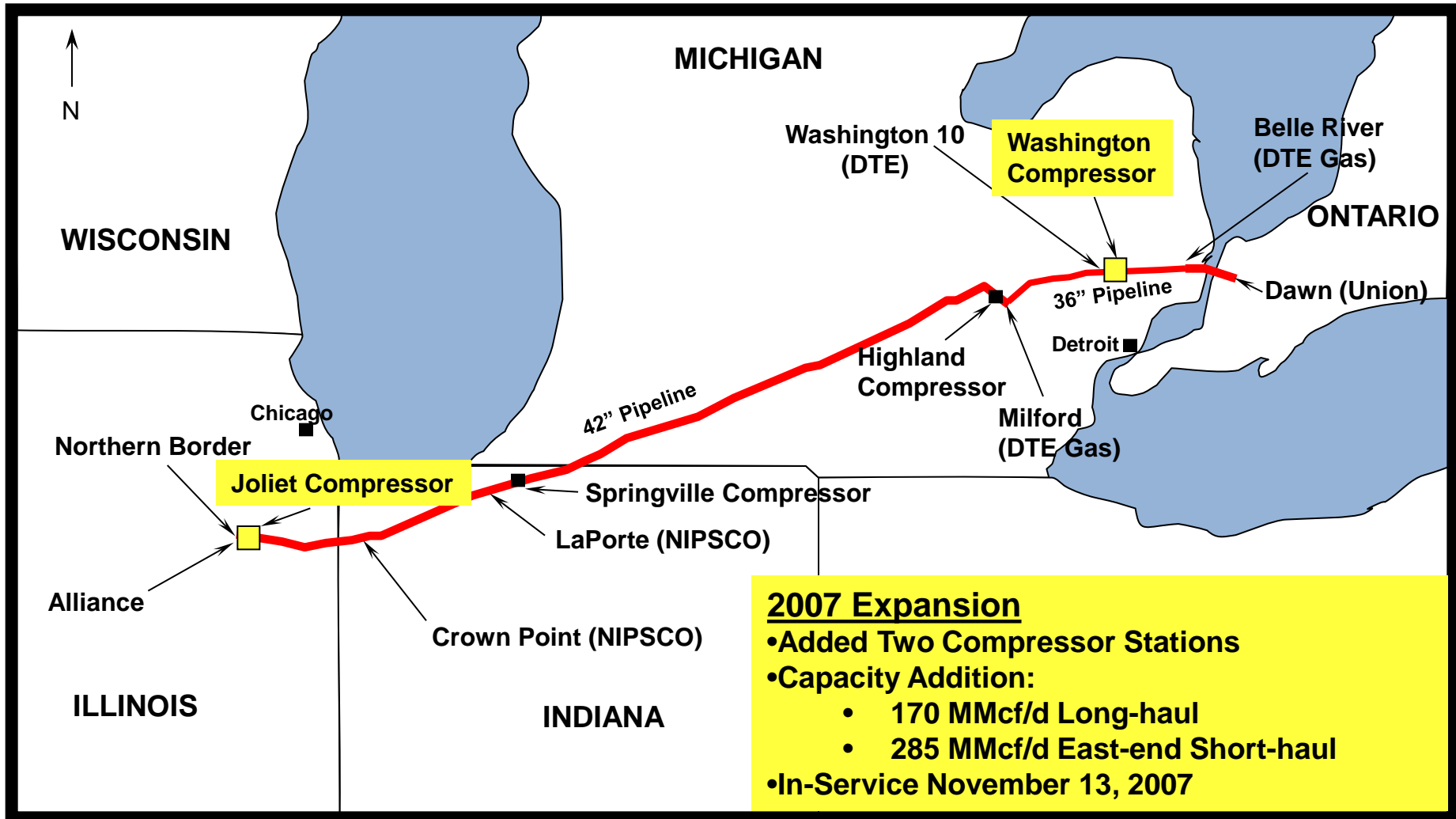
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2007 Expansion

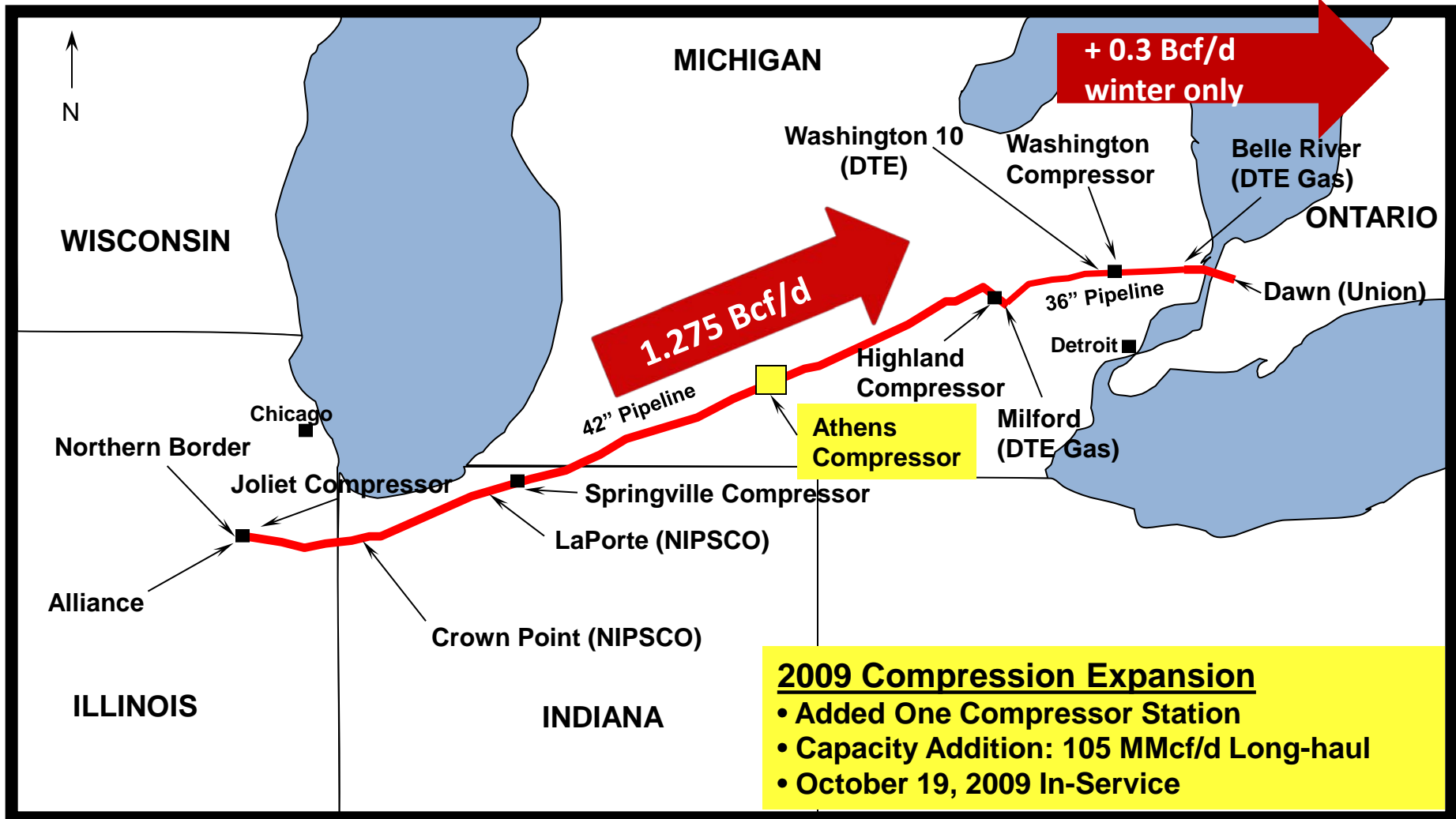
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2009 Expansion

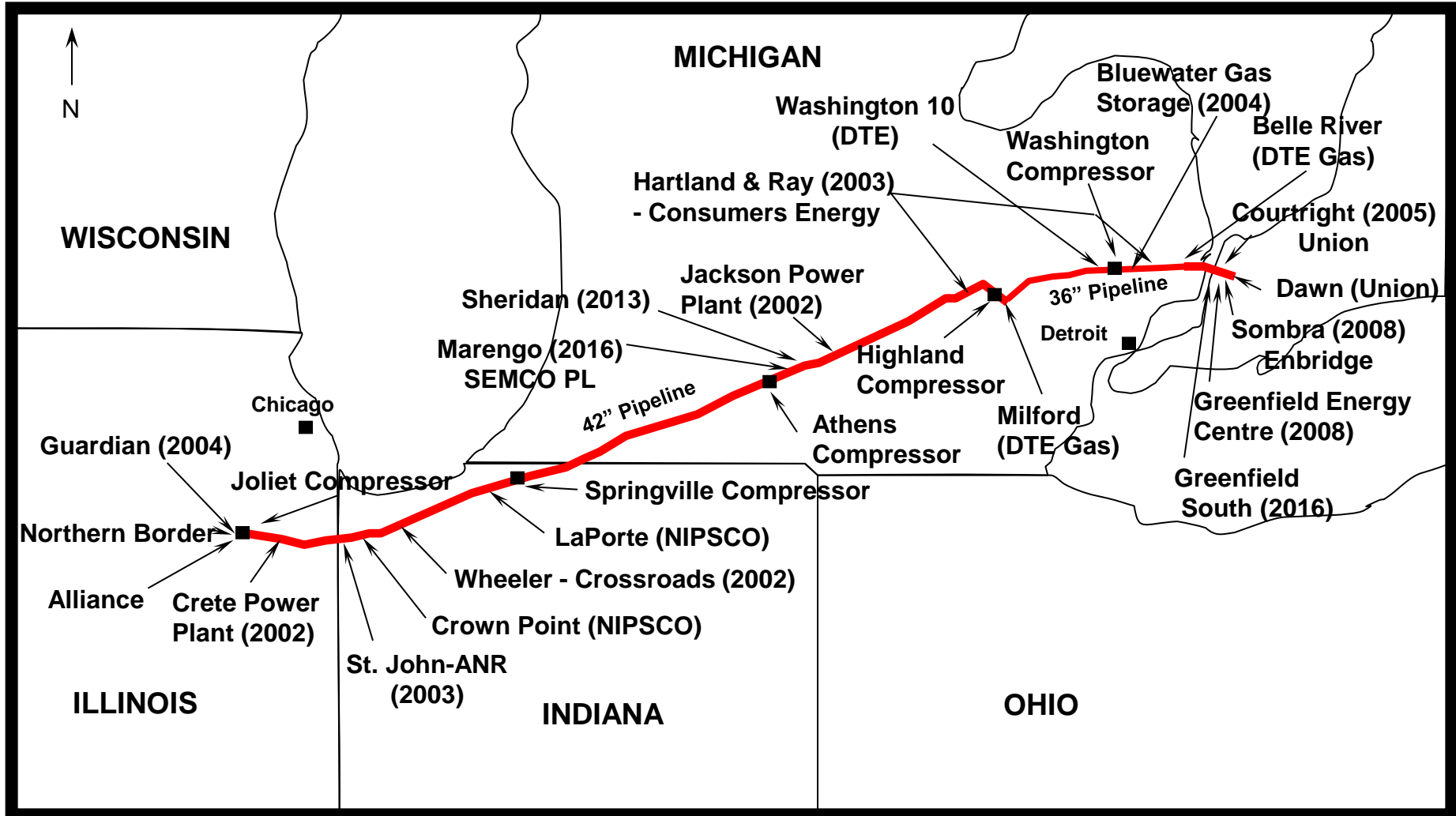
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Meter Additions Over the Years

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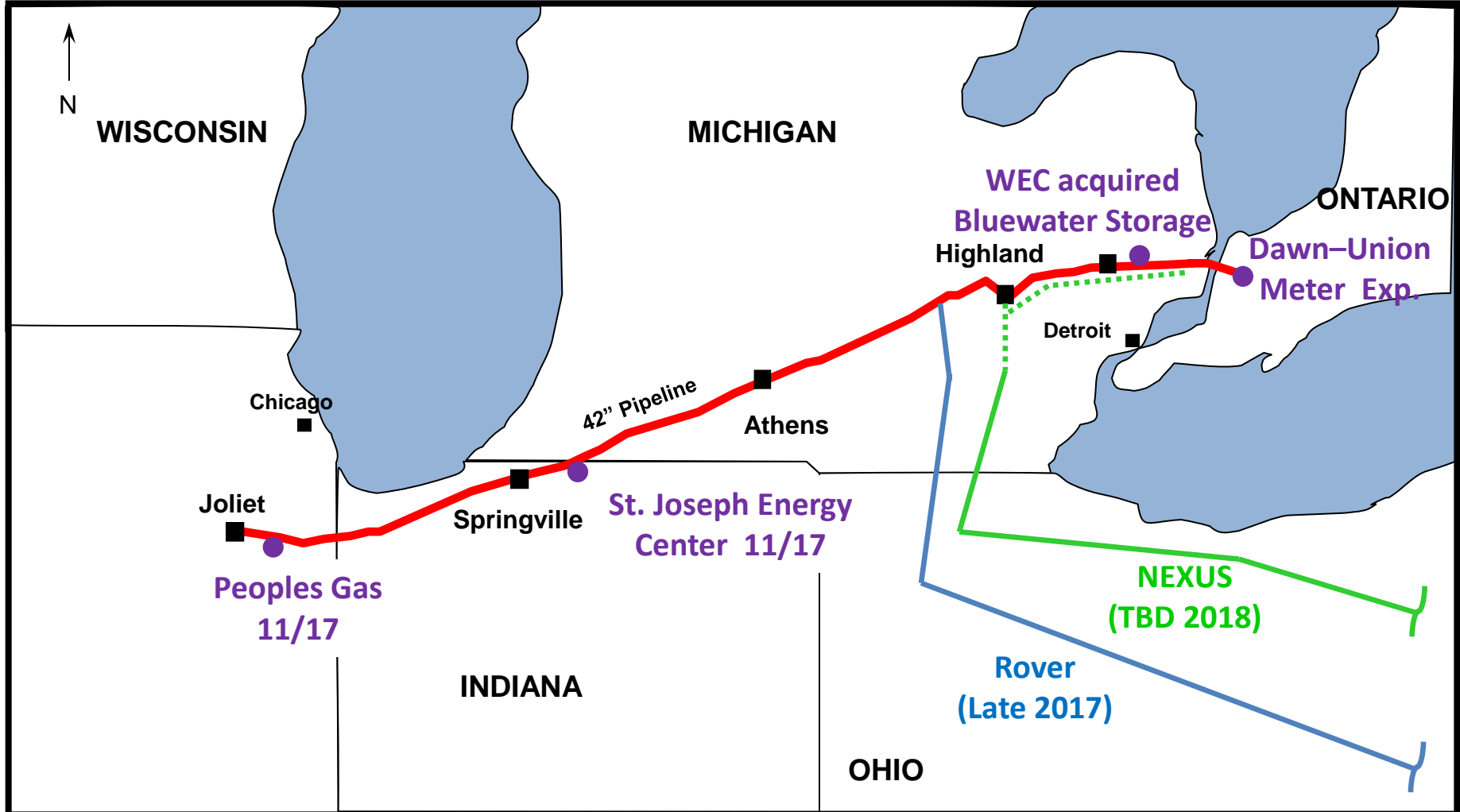
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What's New



New Interconnections

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How this Impacts Vector.....

The “Real” News about Vector



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Impact #1

Firm Deliveries to Dawn

- NEXUS & Rover will increase our firm deliveries to Dawn, but not as much as you may think!

Summer Period: Firm Deliveries to Dawn, Ontario

	2017 – Pre Rover / NEXUS	2018 – Post Rover / NEXUS
Joliet Points	1,182,991	255,000
Marcellus / Utica Points	0	1,490,000
TOTAL	1,182,991	1,745,000

Net Increase of 562,009 Dth/d

Winter Period: Firm Deliveries to Dawn, Ontario

	2016/17 – Pre Rover / NEXUS	2018/19 – Post Rover / NEXUS
Joliet Points	1,182,991	255,000
MI Storage Points	285,000	0
Marcellus / Utica Points	0	1,490,000
TOTAL	1,467,991	1,745,000

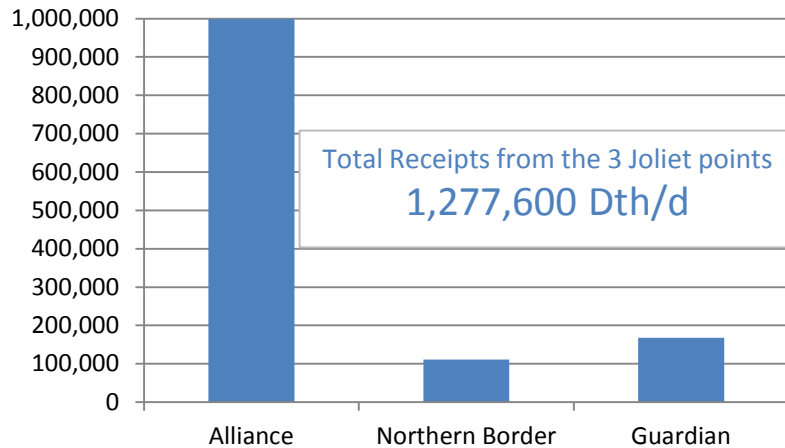
Net Increase of 277,009 Dth/d



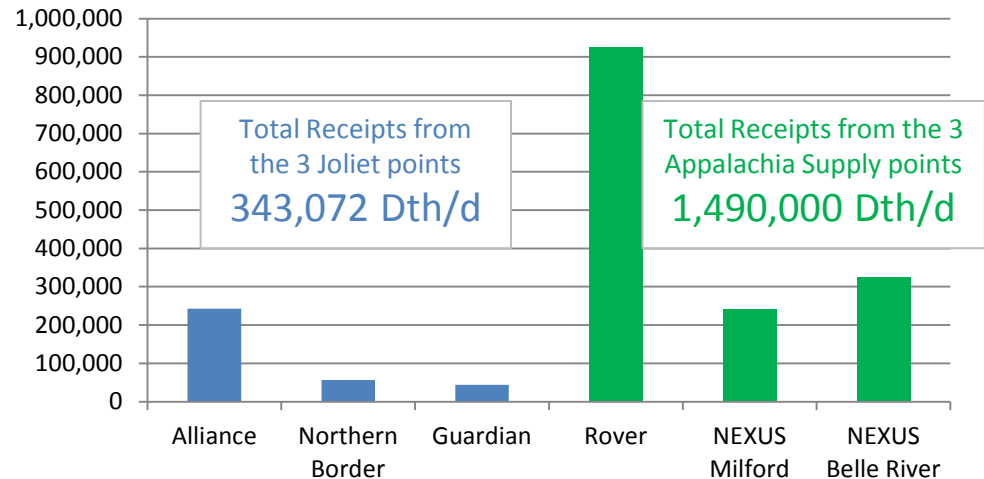
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Impact #2 Customers' Primary Receipt Points

- NEXUS & Rover will dramatically alter the receipt point composition of our customers.



Data from early summer 2017



Expected for the period after April 2018

Result: A net reduction at the Joliet receipt points of over 930,000 Dth/d



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Impact #3

Back-hauls to West end Markets

- With the change in ownership of Bluewater Storage and the addition of new interconnects on the west end of Vector, the amount of firm winter back-hauls will increase.

Delivery Point	2016/17 – Pre Rover / NEXUS	2018/19 – Post Rover / NEXUS
Guardian	321,185	500,718
NIPSCO	61,500	65,000
Peoples	NA	160,000
Other	25,000	96,000
TOTAL (Dth/d)	407,685	821,713

Over a 100% increase in a two year period!



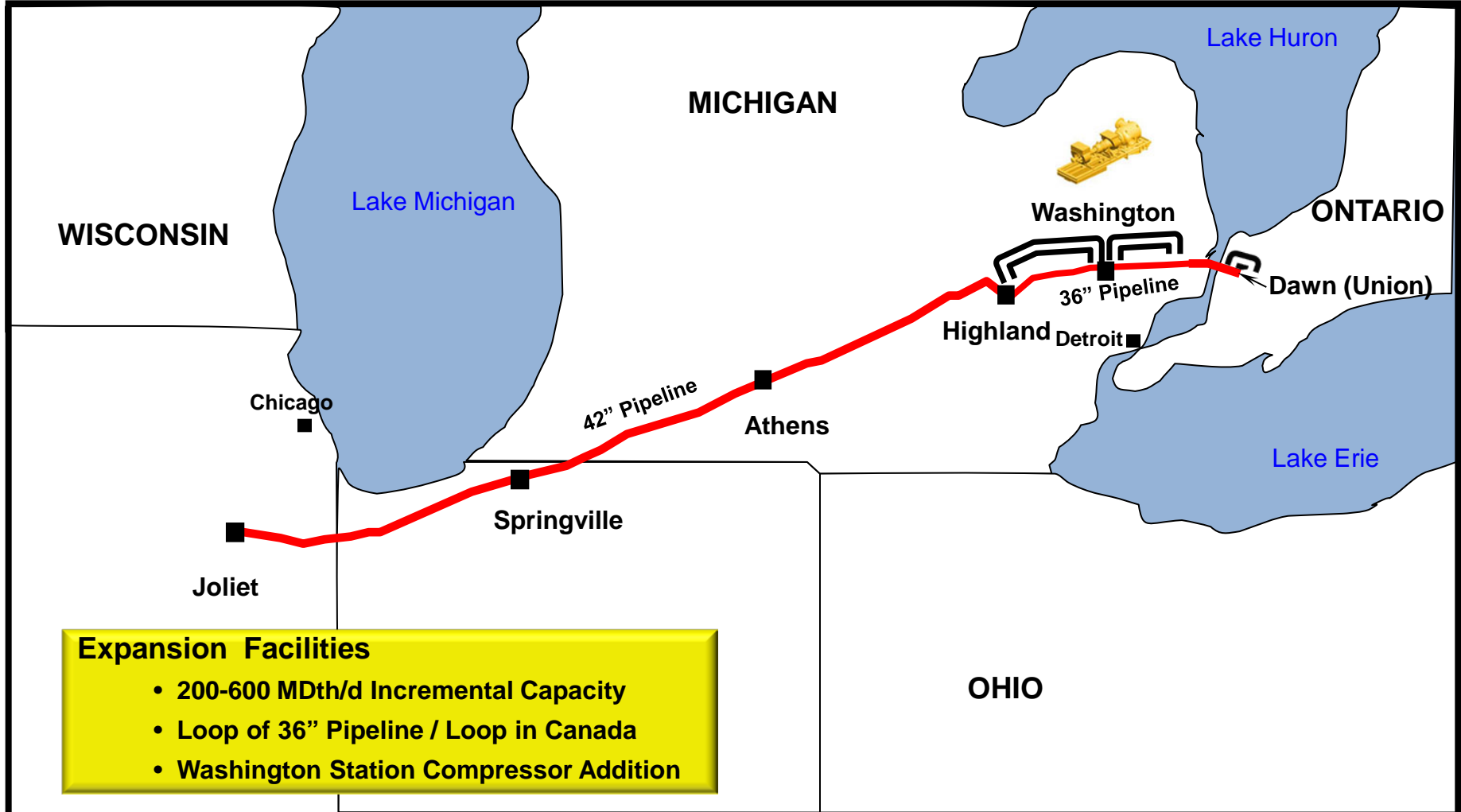
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What's Next for Vector



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Future Expansion





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THANK YOU