

Enbridge in Illinois: A Vital Link

Mike Moeller – Senior Director, U.S. Mid Continent Region



We understand that

Life Takes Energy

And we are proud to bring it to you.



Petroleum: Fueling our Lives



Safely Delivering Energy Across North America

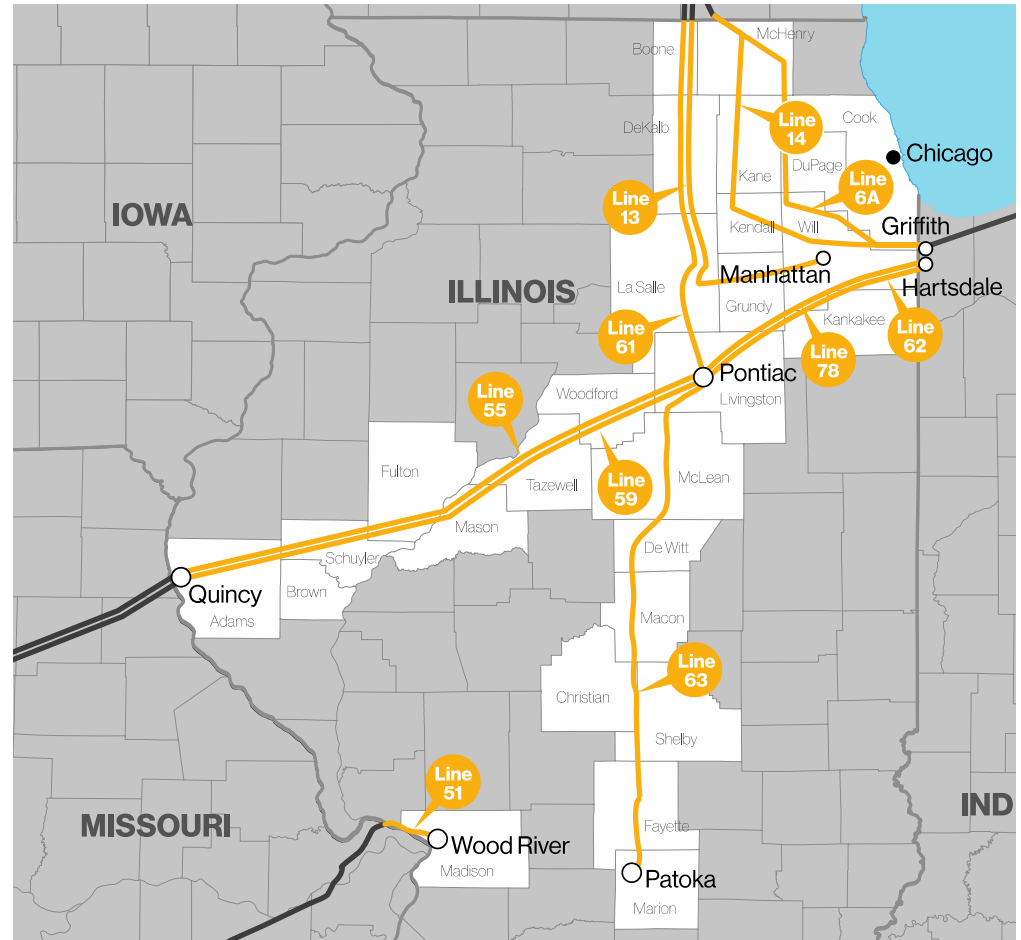


- Delivers 2.5 million barrels per day (bpd) of crude and liquid **petroleum**
- Handles 5 billion cubic ft/day of **natural gas**
- Nearly 2,800 megawatts of **green power** generation capacity from wind, solar, and geothermal projects

Enbridge Liquids Pipelines in Illinois

Since 1969, Enbridge has been committed to safely delivering the energy that fuels Illinois' quality of life.

MORE THAN
70%
TO MIDWEST
REFINERIES



So, what is made from a barrel of oil?

Many everyday products are made from crude oil



Enbridge transports more than 80 liquid petroleum commodities that are refined into products we all use every day.



Heavy grades make:

- Fertilizers and Plastics;
- Fuels and Lubricants;
- Asphalt for roads, roofs, runways

Light grades refined make:

- Gasoline,
- Diesel fuel
- Jet fuel

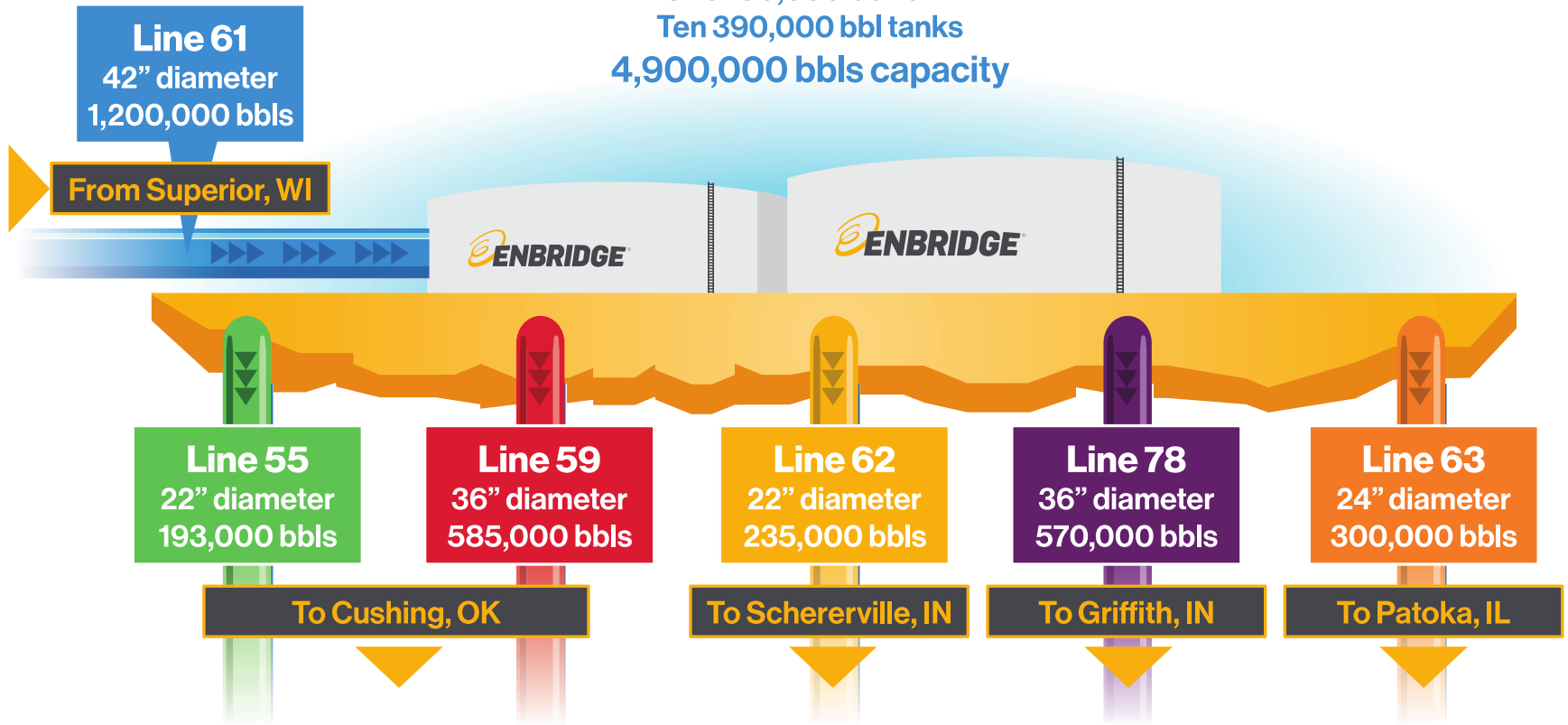
Flanagan Terminal



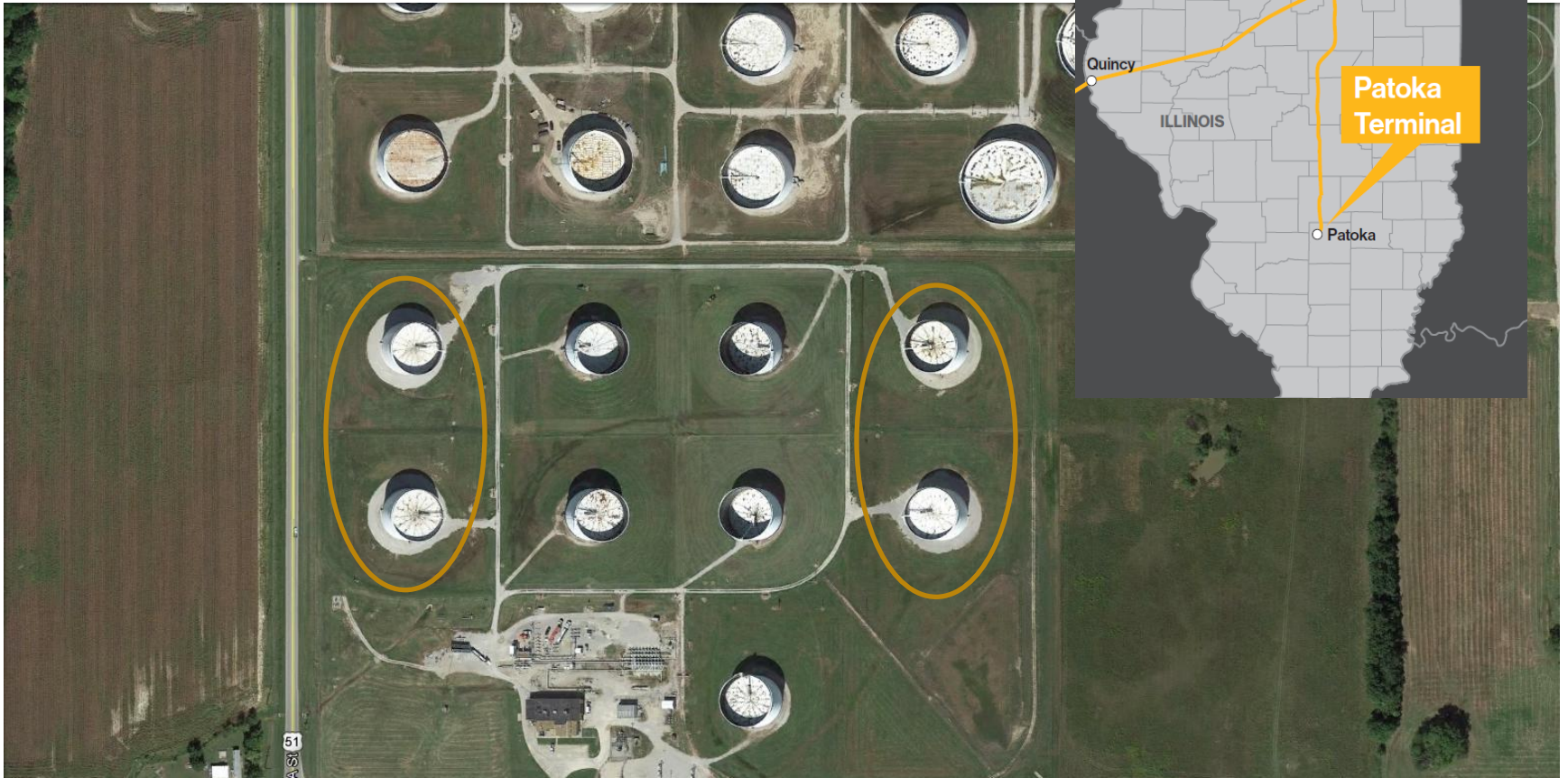
Flanagan Terminal

Flanagan Terminal

Six 150,000 bbl tanks
One 100,000 bbl tank
Ten 390,000 bbl tanks
4,900,000 bbls capacity



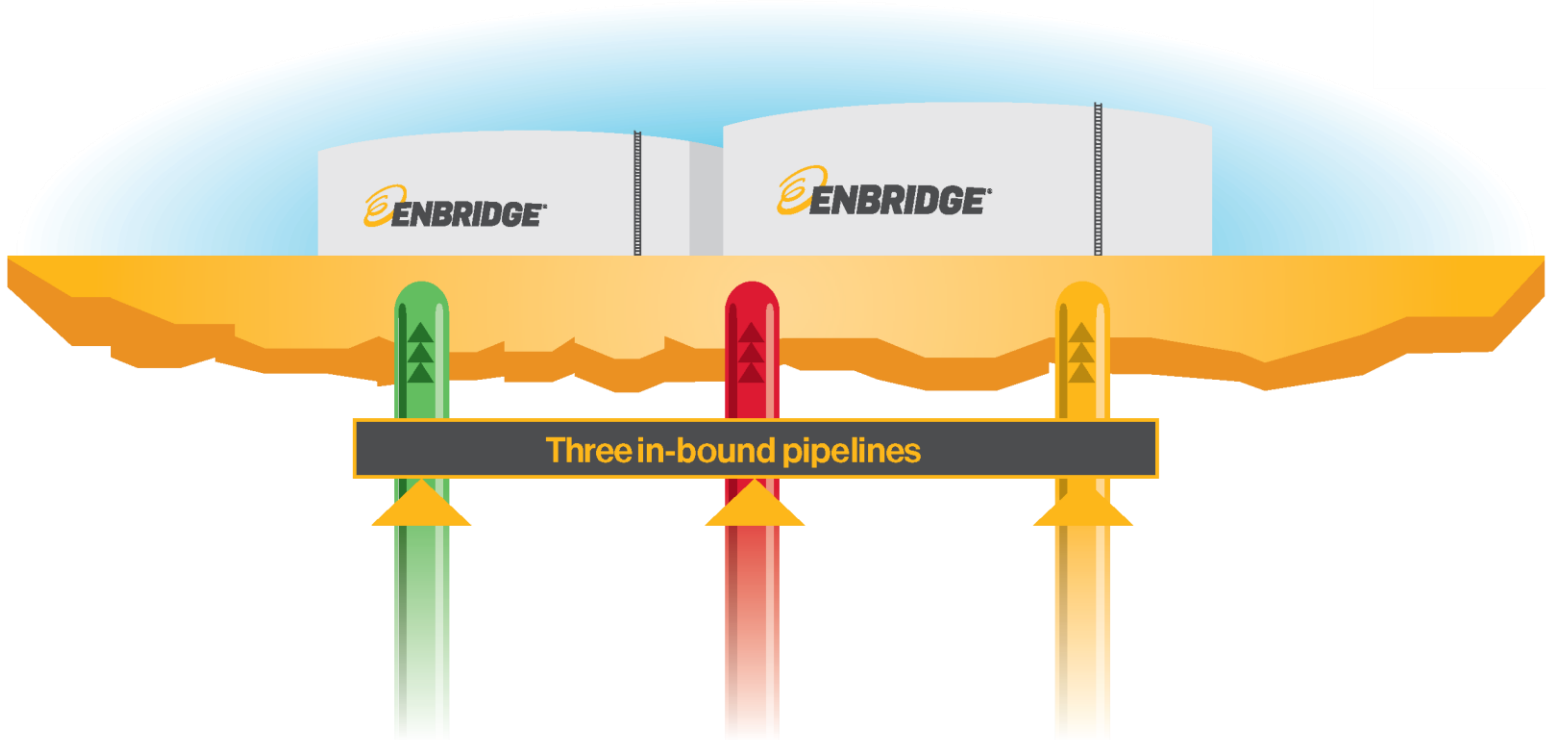
Patoka Storage Terminal



Patoka Terminal

Patoka Storage Terminal

Four 120,000 bbl tanks
480,000 bbls capacity



Manhattan Terminal



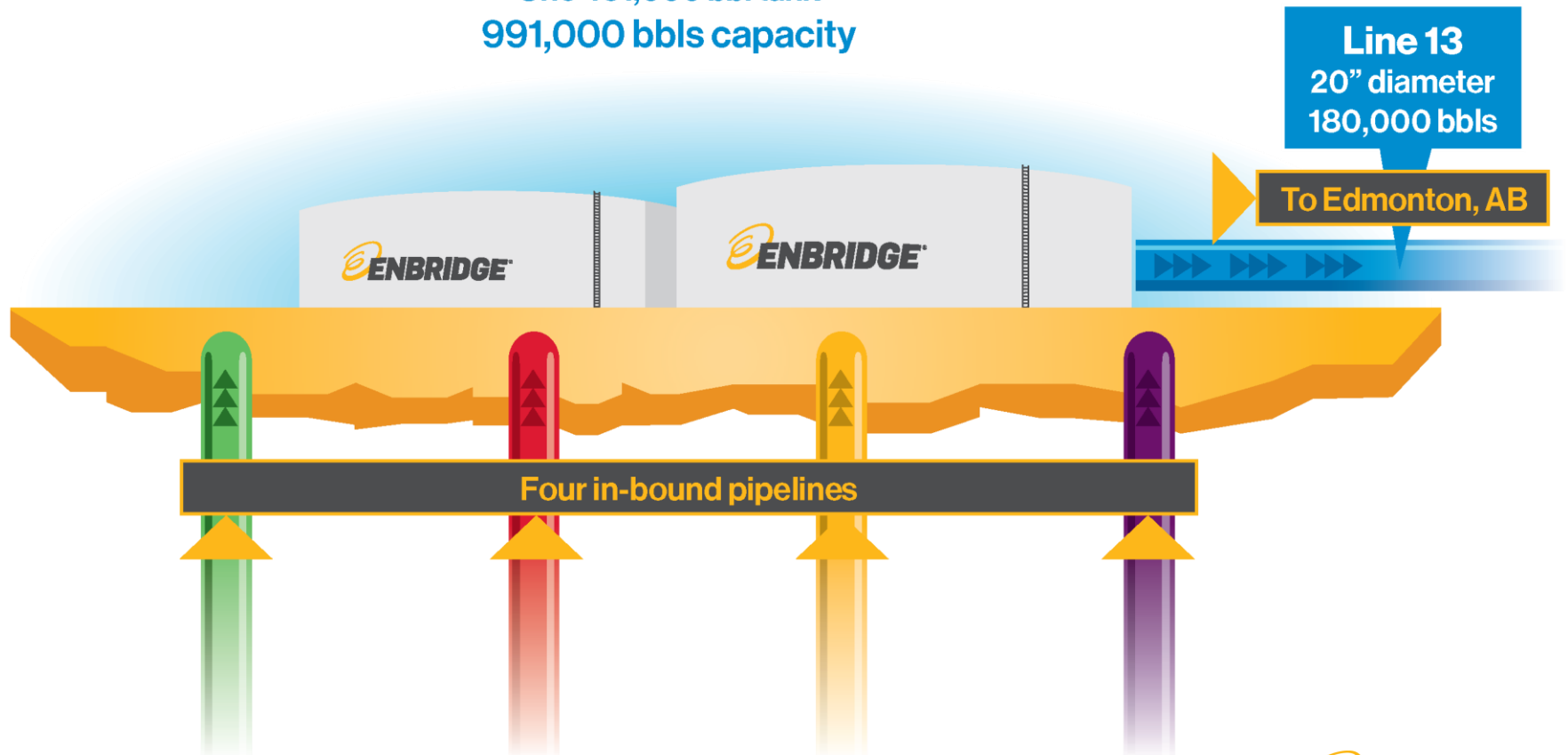
Manhattan Terminal

Manhattan Terminal

Two 250,000 bbl tanks

One 491,000 bbl tank

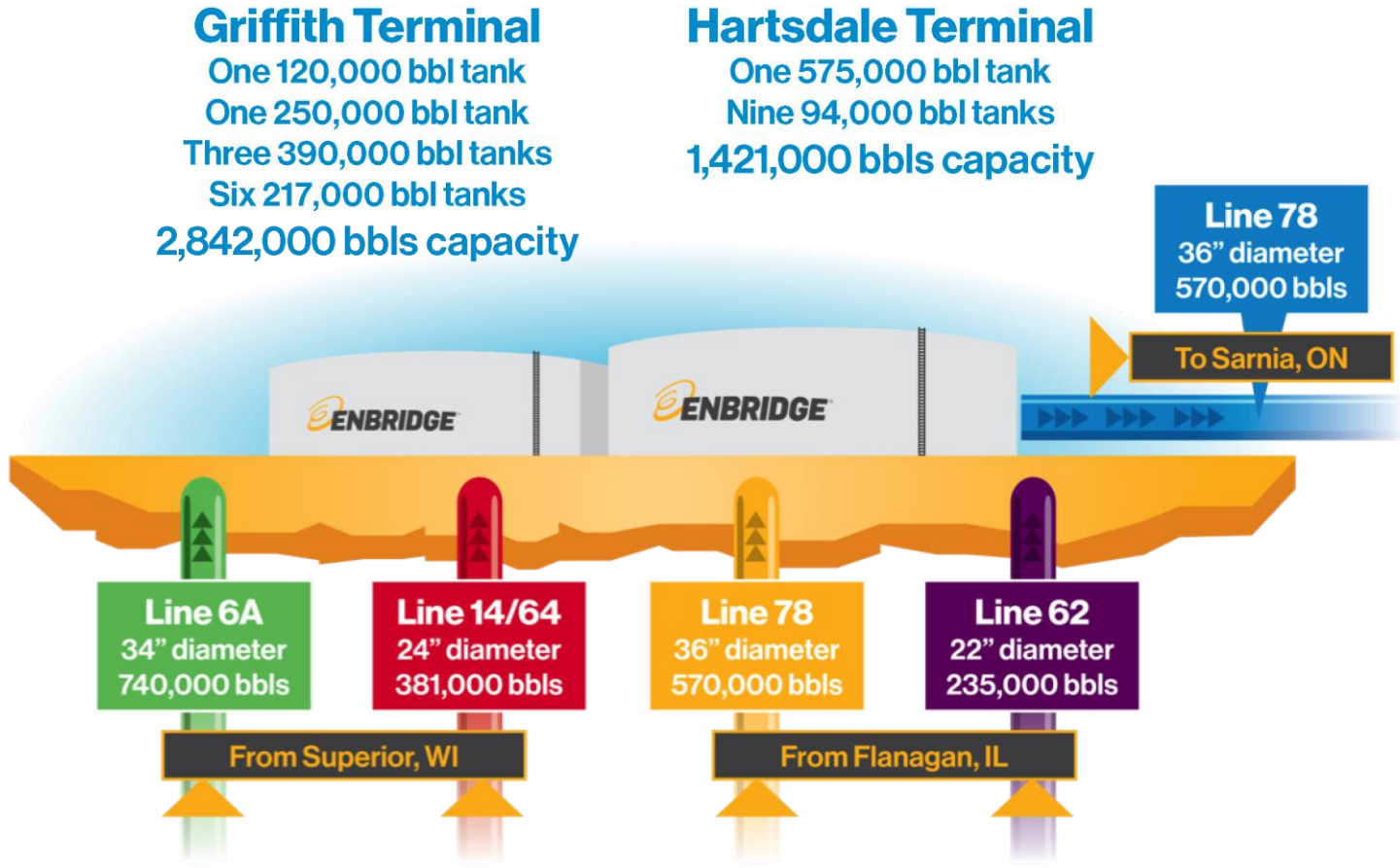
991,000 bbls capacity



Griffith / Hartsdale Terminals



Griffith / Hartsdale Terminals



Gas Pipelines & Processing Business in Illinois

– Aux Sable

- 42.7% interest in Aux Sable U.S.
- One of the largest NGL extraction and fractionation facilities in North America, Aux Sable processes liquids rich gas at the terminus of the Alliance Pipeline, in Channahon, Illinois.
- Four natural gas processing and liquids extraction and fractionation facilities that extract NGL from the natural gas transported on Alliance

– Alliance

- 50% interest
- Transports more than 1.6 billion cubic feet per day of natural gas
- 2,311-mile pipeline system that delivers gas to Illinois from northeastern British Columbia and northwestern Alberta

– Vector

- 60% interest
- 348-mile pipeline
- Transports 1.3 billion cubic feet per day of natural gas from the Chicago area to parts of Indiana, Michigan and Ontario, Canada.
- Five natural gas compressor stations.



Renewable Energy

Nearly 2,800 megawatts

Generating capacity in which Enbridge has interests.

More than 1 million homes

Homes that can be supplied by our renewable and alternative energy investments.

More than \$5 billion invested

The amount we have spent since 2002 to grow our renewable and alternative energy portfolio.

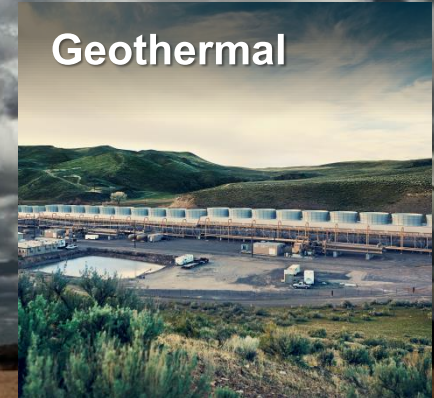
Wind



Solar



Geothermal



Investing in Illinois



78+



18



3000+

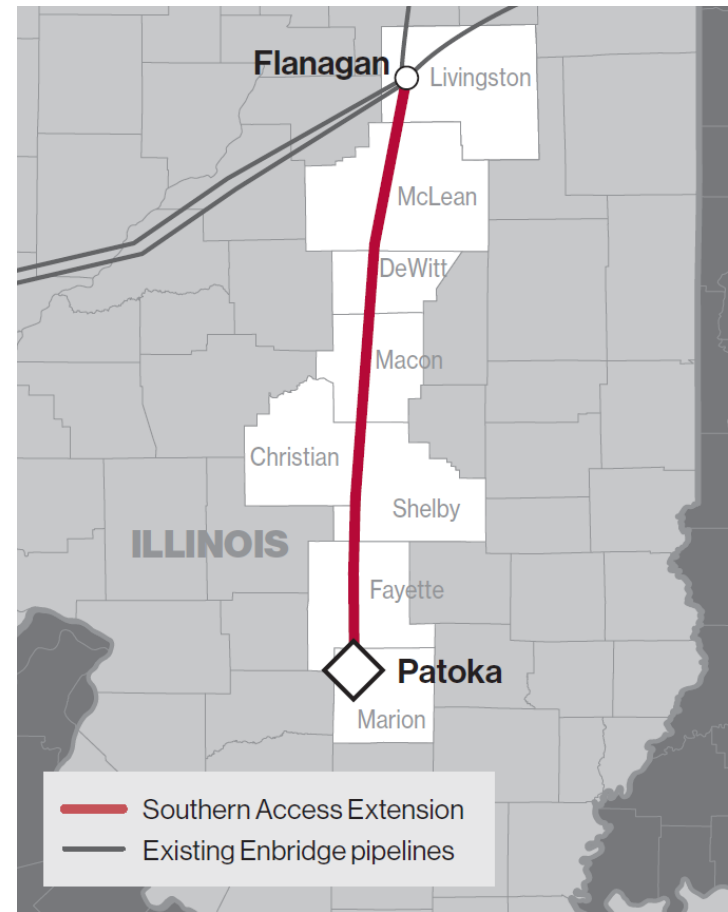


\$2+
billion
infrastructure



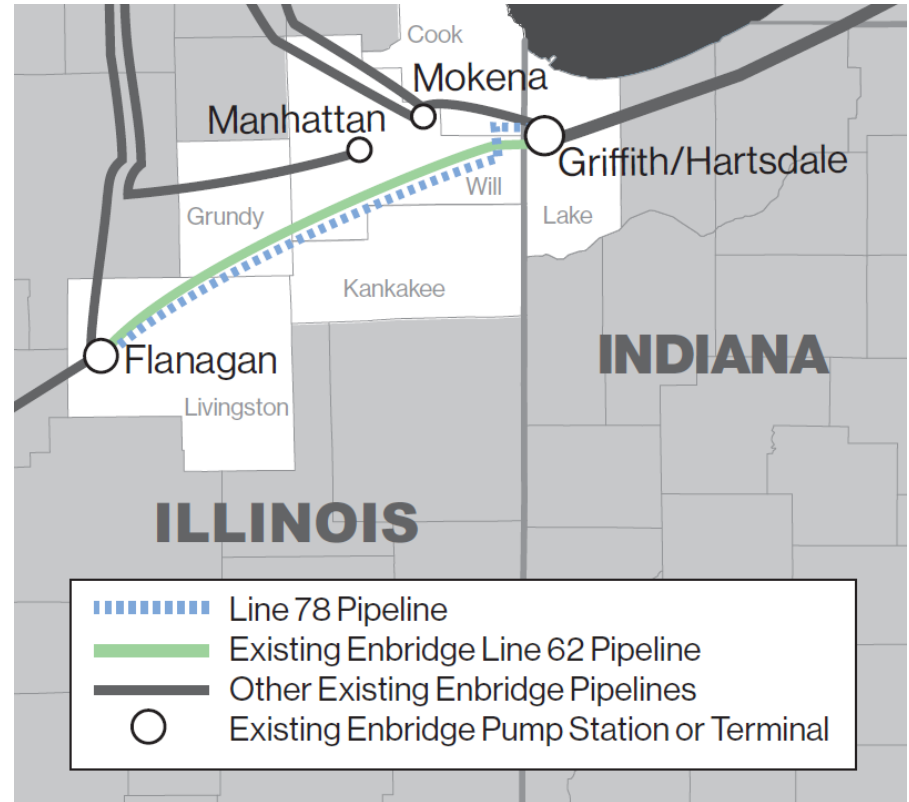
Southern Access Extension / Line 63:

- \$900 million project
- In-Service: Dec 2015
- 24-in crude oil pipeline
- Capacity: 300,000 bpd
- 2.2 million hours worked
 - 1,000 – on average
 - 1,500 – at peak
- Two new pump stations:
 1. Decatur
 2. Pontiac



Line 78:

- \$495 million project
- In-Service: Nov 2015
- 36-in crude oil pipeline
- Capacity: 570,000 bpd
- 2 million hours worked
 - Up to 600 workers



Restoration – SAX / Line 63 and Line 78



**2016
restoration and
final cleanup
work began
in June**

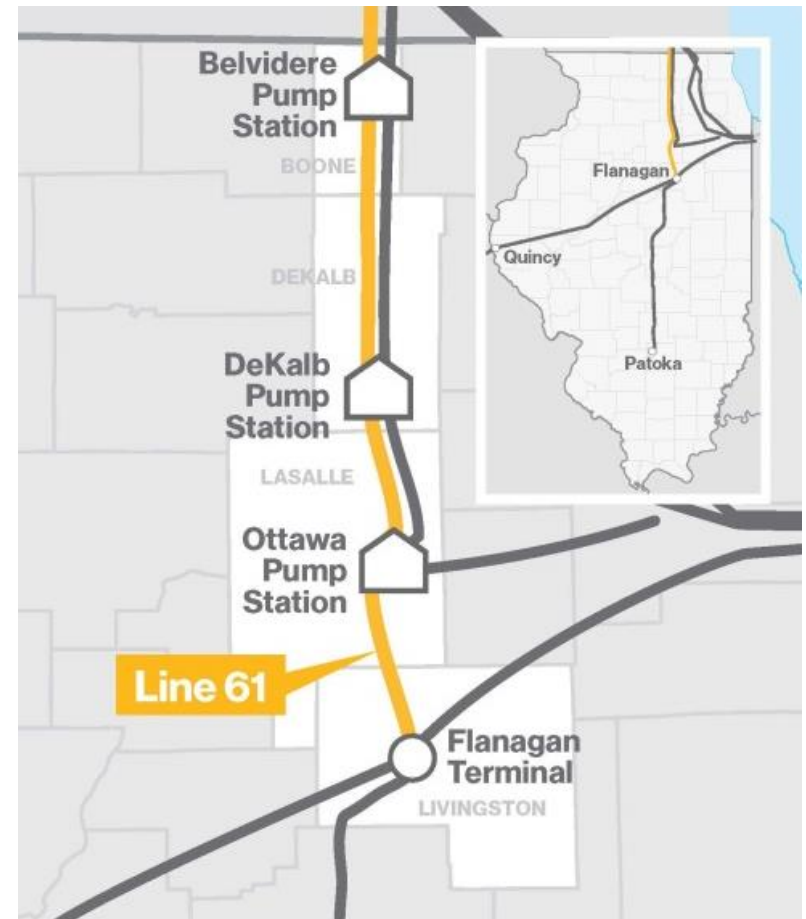


- Pre-construction contours restored as close as possible
- Segregated topsoil spread over the surface of the ROW
- Permanent erosion controls installed
- Revegetation and monitoring

Line 61 Upgrade Project

Pipeline built in 2009; pump station upgrade

- 15 new pump stations along the existing 42-inch pipeline
- Runs from Superior, Wis. to Pontiac, Ill.
- Three pump stations in Illinois
- Increase capacity from 400,000 bpd to 1.2 million bpd
- Jobs: Approximately 75
- Cost: \$148 M
- In-Service: Fall of 2015 in Ill.



Economic Boost During Construction



Millions of dollars spent during construction season at restaurants, hotels, and other retailers.



Safest Way

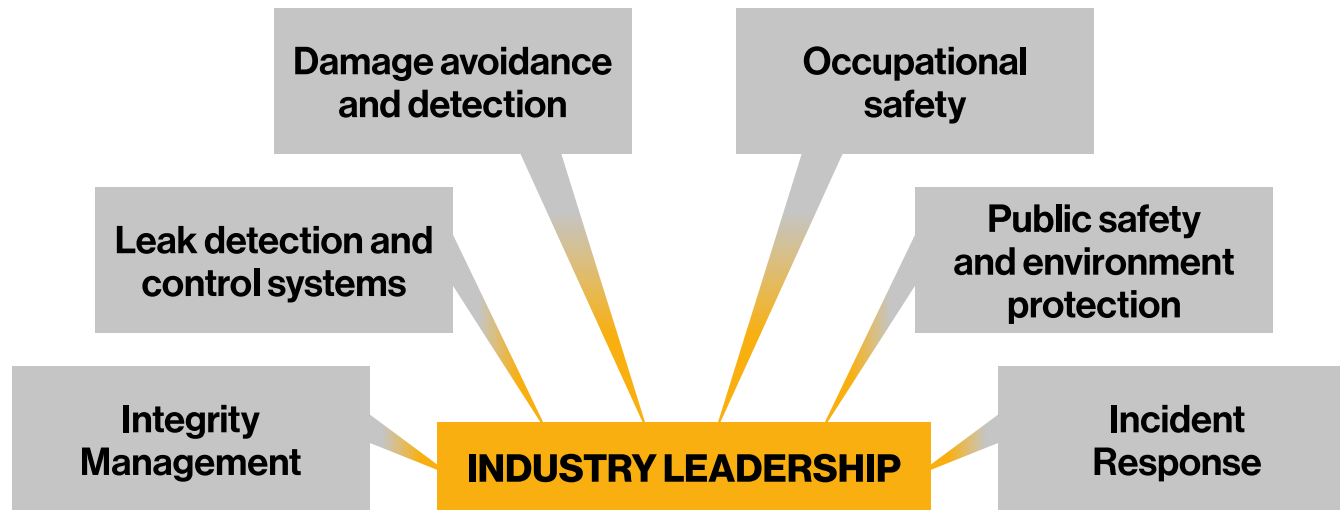
Pipelines are the safest, most reliable and environmentally responsible way to transport crude oil.



Enbridge pipelines deliver about **2.5** million barrels of petroleum products across North America every day.

Safety is the Cornerstone

Multi-layered Approach



Public Awareness Program



Ongoing Communications

- Direct mail to people who live and work along Enbridge pipeline systems

Supplemental Programs

- Ongoing Training





More than
\$200,000
contributed to support
Illinois communities
2015-2016



Safe Community

- Grants up to \$1,250
- Support training and equipment for emergency responders

Community Investment Grants

- Community
- Well-being
- Environment

Overview

- Vital link to North American energy supplies
- Experienced company with a long history in Illinois
- Expanding operations and investments in Illinois
- Committed to safe and reliable operations
- Support the communities and protect the environment where we operate

Life Takes Energy



Thank you.

Life Takes Energy

> enbridge.com

Questions?

