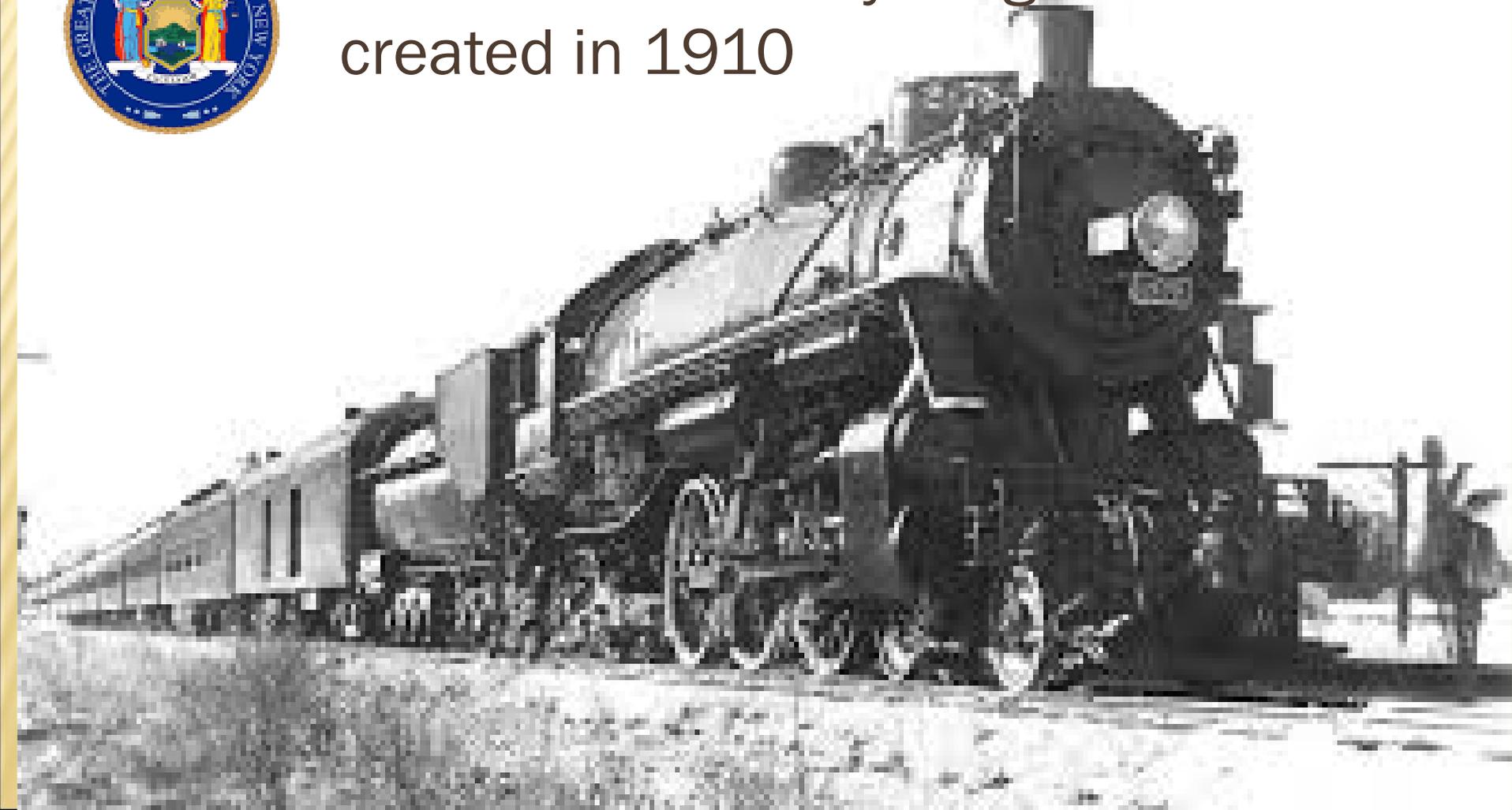


# NYS DOT RAIL SAFETY INSPECTION



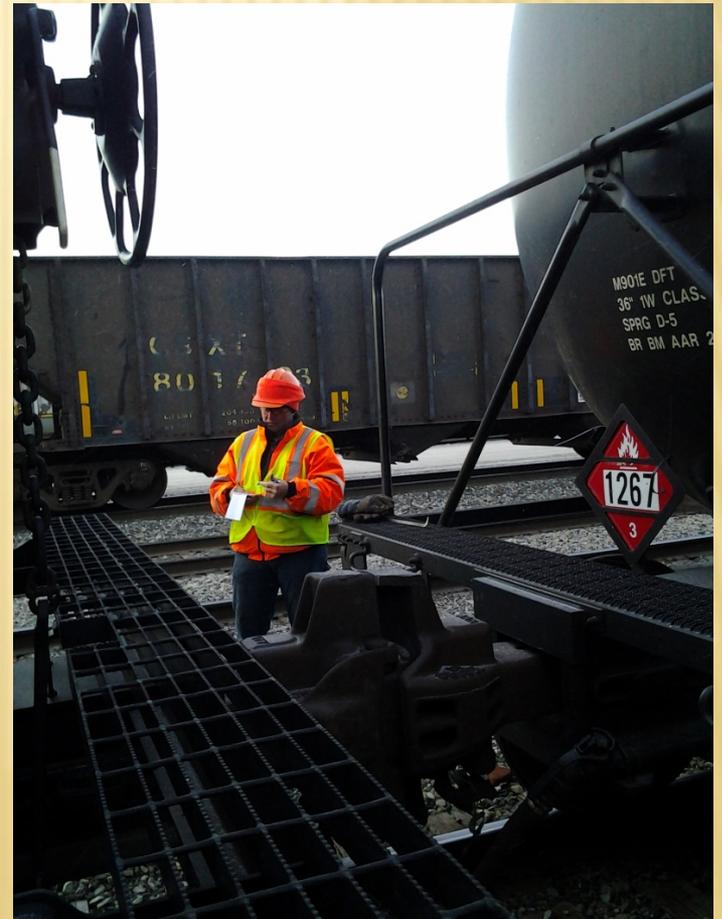
The NYS Rail Safety Program was created in 1910



Historically, the NYSDOT Rail Inspection program has consisted of 6 inspectors:  
3 Track inspectors



## ✘ 3 Rail Equipment Inspectors



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We went about our business inspecting rail cars and train tracks...very few even knew that New York had a rail inspection program..

Until July 6<sup>th</sup>, 2013

Lac Megantic- Crude oil in the spotlight

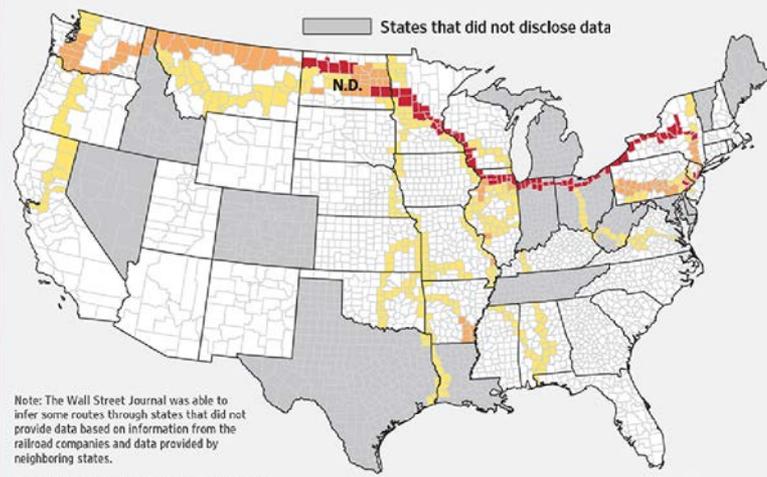
# OIL HEADED TO THE REFINERIES

The light sweet crude from the Bakken oil fields is the preferred crude for refineries located on the east and west coast.

## Crude By Rail Routes

Railroads have become virtual pipelines carrying crude from North Dakota to the East, West and Gulf Coasts.

Weekly average number of crude-oil trains from the Bakken Shale in North Dakota that pass through each county



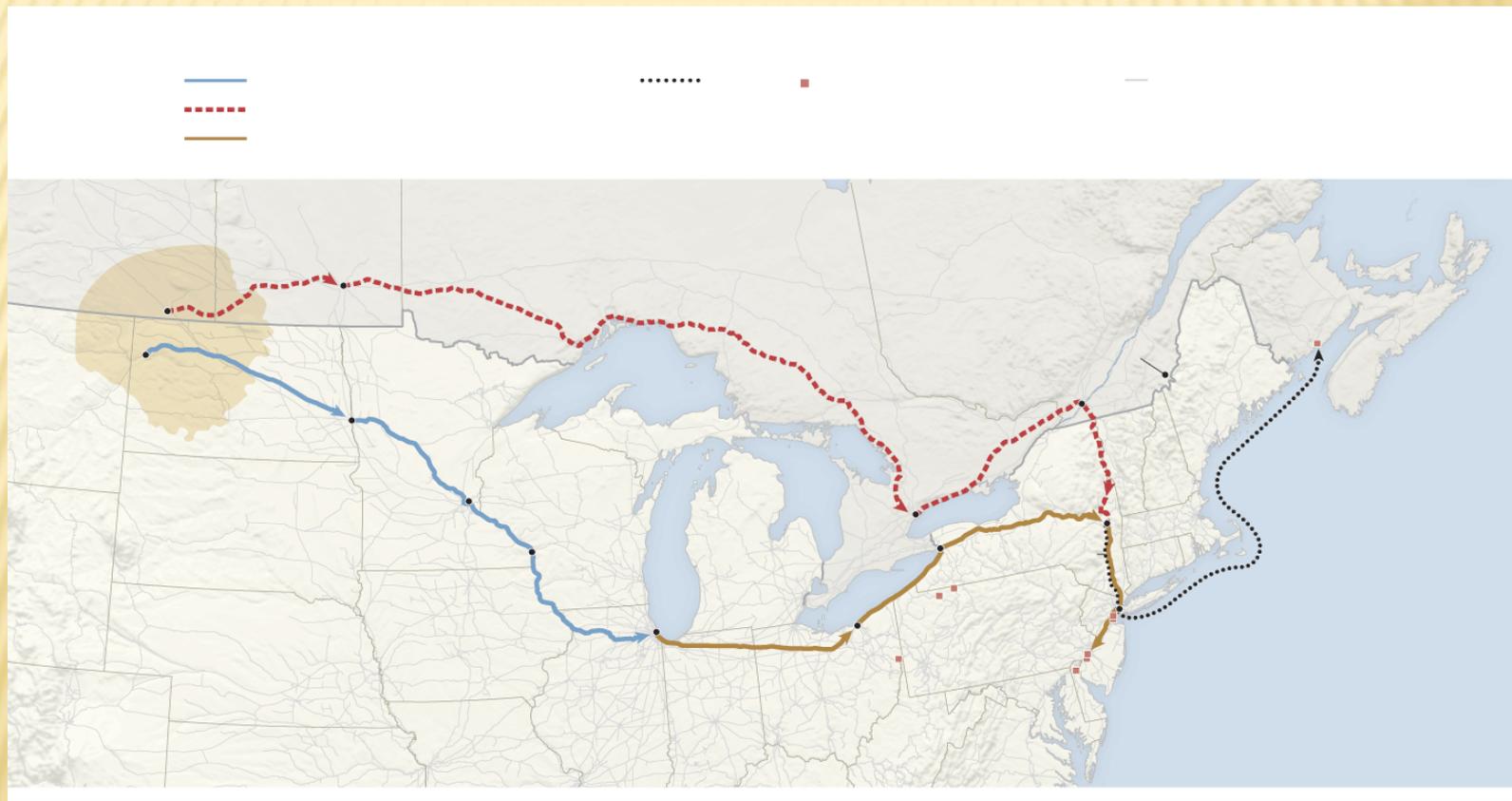
Source: State Emergency Response Commissions

The Wall Street Journal



CP 8704 8763 OIL TRAIN ZORRA ONT 3-10-2013

# CRUDE BY RAIL TO THE EAST COAST



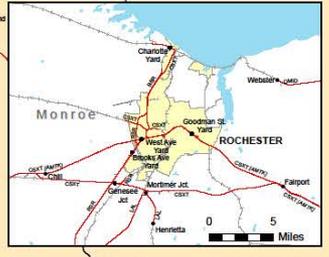
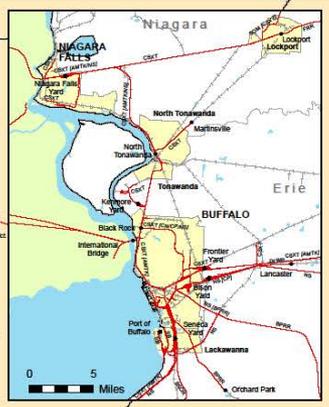
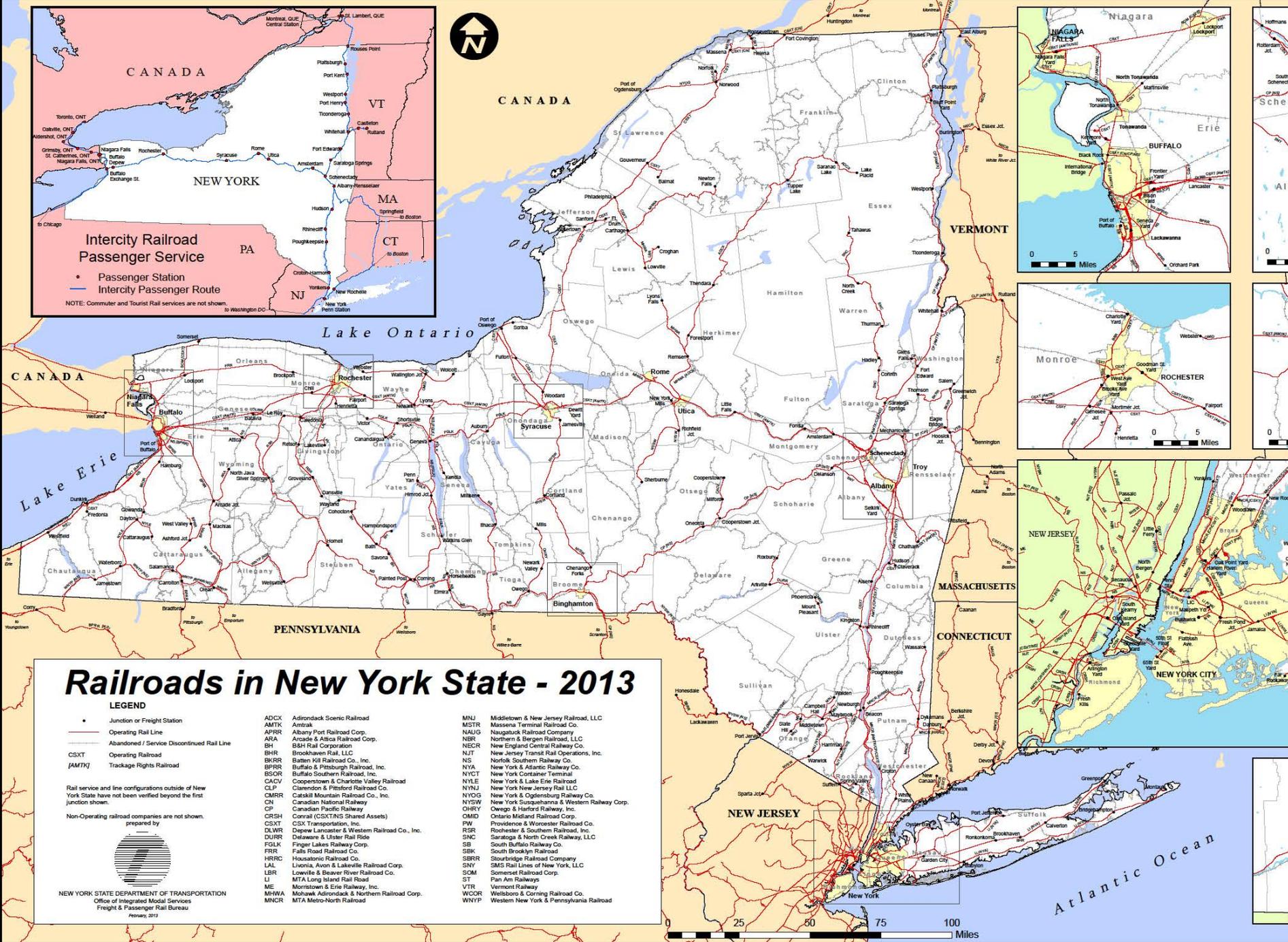
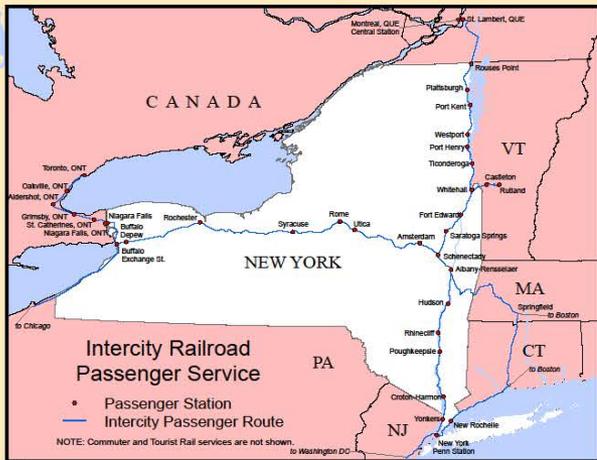
# RAIL TRAFFIC

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- ✘ New York state is intersected by railroads from the North to the South, from the West to the East.
- ✘ Tracks pass through or close to most major cities within the state.
- ✘ There are over 4000 miles of track in New York
- ✘ Approximately 850 miles over which crude oil traffic passes.

# Crude Oil Transportation Corridors in New York State, Rail and Water





# Railroads in New York State - 2013

**LEGEND**

- Junction or Freight Station
- Operating Rail Line
- - - Abandoned / Service Discontinued Rail Line
- CSXT Operating Railroad
- [AMTK] Trackage Rights Railroad

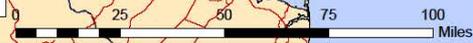
Rail service and line configurations outside of New York State have not been verified beyond the first junction shown.

Non-Operating railroad companies are not shown.



NEW YORK STATE DEPARTMENT OF TRANSPORTATION  
Office of Integrated Model Services  
Freight & Passenger Rail Bureau  
February, 2013

- |                                 |             |                                 |                                    |                         |                           |                                     |                                          |                                      |                                              |                                        |                                           |                              |                             |                                       |                               |                                            |                                 |                                 |                             |                              |                                              |                                        |                              |                                    |                                                  |                               |                                           |                                    |                                 |                                     |                                      |                                              |                                 |                                     |                                      |                                   |                                   |                                        |                                                   |                                    |                                    |                                        |                                         |                                         |                              |                             |                                   |                                     |                             |                    |                     |                                     |                                               |
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| ADCK Adirondack Scenic Railroad | AMTK Amtrak | APFR Albany Port Railroad Corp. | ARA Arcade & Africa Railroad Corp. | BH B&H Rail Corporation | BKRR Brookhaven Rail, LLC | BPFR Batten Kill Railroad Co., Inc. | BSOR Buffalo & Pittsburgh Railroad, Inc. | BSOR Buffalo Southern Railroad, Inc. | CACV Cooperstown & Charlotte Valley Railroad | CLP Clarendon & Pittsford Railroad Co. | CMRR Catskill Mountain Railroad Co., Inc. | CN Canadian National Railway | CP Canadian Pacific Railway | CRSH Conrail (CSX/STNS Shared Assets) | CSXT CSX Transportation, Inc. | DLWR Delaware & Western Railroad Co., Inc. | DURR Delaware & Ulster Railroad | FOLK Finger Lakes Railway Corp. | FRR Falls Road Railroad Co. | HRRC Housatonic Railroad Co. | LAL Livonia, Avon & Lakeville Railroad Corp. | LBR Lowell & Beaver River Railroad Co. | LI MTA Long Island Rail Road | ME Morristown & Erie Railway, Inc. | MHWA Mohawk Adirondack & Northern Railroad Corp. | MNCR MTA Metro-North Railroad | MNJ Middletown & New Jersey Railroad, LLC | MSTR Massena Terminal Railroad Co. | NAUG Naugatuck Railroad Company | NER Northern & Bergen Railroad, LLC | NECR New England Central Railway Co. | NJT New Jersey Transit Rail Operations, Inc. | NS Norfolk Southern Railway Co. | NVA New York & Atlantic Railway Co. | NYCT New York Central Railroad, Inc. | NYE New York & Lake Erie Railroad | NYNJ New York New Jersey Rail LLC | NYOG New York & Ogdensburg Railway Co. | NYSW New York Susquehanna & Western Railway Corp. | OHRY Owego & Harford Railway, Inc. | OMD Ontario Midland Railroad Corp. | PW Providence & Worcester Railroad Co. | ROR Rochester & Southern Railroad, Inc. | SNC Saratoga & North Creek Railway, LLC | SB South Buffalo Railway Co. | SBK South Brooklyn Railroad | SBRR Stonybridge Railroad Company | SNY SMS Rail Lines of New York, LLC | SOM Somerset Railroad Corp. | ST Fin Am Railways | VTR Vermont Railway | WCOR Webster & Corning Railroad Co. | WNFR Western New York & Pennsylvania Railroad |
|---------------------------------|-------------|---------------------------------|------------------------------------|-------------------------|---------------------------|-------------------------------------|------------------------------------------|--------------------------------------|----------------------------------------------|----------------------------------------|-------------------------------------------|------------------------------|-----------------------------|---------------------------------------|-------------------------------|--------------------------------------------|---------------------------------|---------------------------------|-----------------------------|------------------------------|----------------------------------------------|----------------------------------------|------------------------------|------------------------------------|--------------------------------------------------|-------------------------------|-------------------------------------------|------------------------------------|---------------------------------|-------------------------------------|--------------------------------------|----------------------------------------------|---------------------------------|-------------------------------------|--------------------------------------|-----------------------------------|-----------------------------------|----------------------------------------|---------------------------------------------------|------------------------------------|------------------------------------|----------------------------------------|-----------------------------------------|-----------------------------------------|------------------------------|-----------------------------|-----------------------------------|-------------------------------------|-----------------------------|--------------------|---------------------|-------------------------------------|-----------------------------------------------|



# OIL TRAINS IN NEW YORK

- ✘ Oil is carried by Canadian Pacific Railroad via Montreal to the Port of Albany
- ✘ CP delivers oil trains to Global Energy for trans shipment via tankers and barges.
- ✘ Global Oil currently handles about 1- 1½ trains of oil per day (100-130 car consist)
- ✘ Global is permitted to transfer 1.8 billion gallons of oil per year

# PORT OF ALBANY



# CRUDE OIL TANKER PRIMORSK



Crude oil is transferred from holding tanks to oil tankers and barges headed down the Hudson River.

# OIL TO BARGE-PORT OF ALBANY

State Capitol



# UNIT TRAINS

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- ✘ The majority of crude oil passes through New York along CSX's main line.
- ✘ Typically 2-3 trains each day pass along CSX tracks headed east from Buffalo down along the West shore of the Hudson River to New Jersey and on to Philadelphia.

Six Million Gallons per day- 21 Billion Gallons per year.

# ADDED FIVE NEW RAIL INSPECTORS AT NYSDOT

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- ✘ Added 1 Track **Four Track Inspectors**
- ✘ Added 1 MP&E **Four MP&E Inspectors**
- ✘ Added 2 HM Inspectors **Two HM Inspectors**
- ✘ One 1 OP Inspector **One OP Inspector**
  
- ✘ **One supervisor certified MP&E**
- ✘ **One supervisor certified Track**

# RAIL SAFETY FEE

- ✘ Our inspection program is part of the state DOT.
- ✘ New York assesses an annual rail safety fee to freight and passenger railroads operating in the state. The fee is based on rail revenue.
- ✘ Our section obtains the revenue reports from the railroads each year and calculates the assessment.
- ✘ The fee covers 100% of the Personal Service and NPS costs associated with the inspection program.

# PROGRAM CHANGES EAST AND WEST

- ✘ We've changed our inspector's official duty station to their residence. Inspectors are no longer required to report to a DOT office.
- ✘ We now have a supervisor for the East and one for the West.

# CHALLENGES GOING FORWARD:

- ✘ OJT/Training & certification
- ✘ Setting up inspection territories
- ✘ Setting up inspector goals & minimums
- ✘ Managing a decentralized workforce
- ✘ Determining how to best allocate limited inspection resources

# CHALLENGES GOING FORWARD:

## PUBLIC HOUSING ADJACENT TO RAIL YARD



# CHALLENGES GOING FORWARD:

- ✘ **TANK CAR STORAGE ADIRONDACK FOREST**
- ✘ Saratoga North Creek Railroad's president, Ed Ellis, briefed Warren County supervisors on a railway plan to bring 300 to 500 out-of-service former oil and ethanol tank cars to the region for storage. Thousands of the cars have been taken out of service in recent months because of new safety regulations.

Questions?

