

NY Executive Order 125

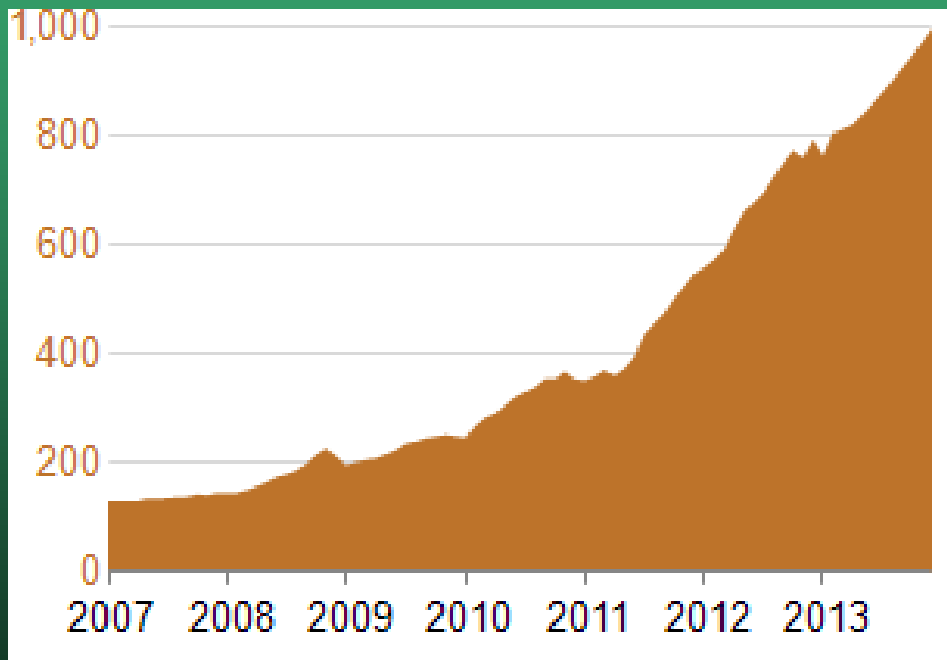
Crude Oil Accident Prevention, Preparedness, and Response



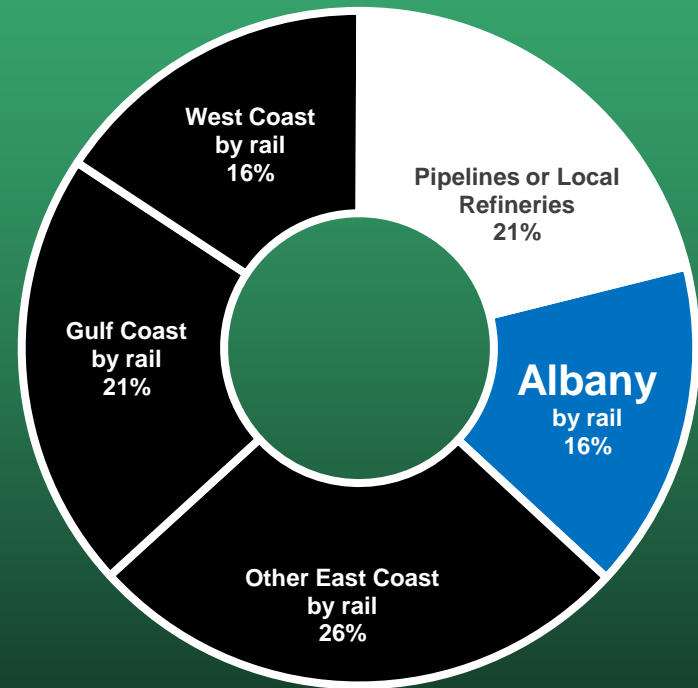
The Problem

- Rapid Increase in Crude Oil Transportation

Crude Oil Production from the Bakken Oil Fields (thousand bbl/day)



US Energy Information Administration



Adapted from New York Times



Major Crude Oil Derailments



Lac Megantic, Quebec, Canada



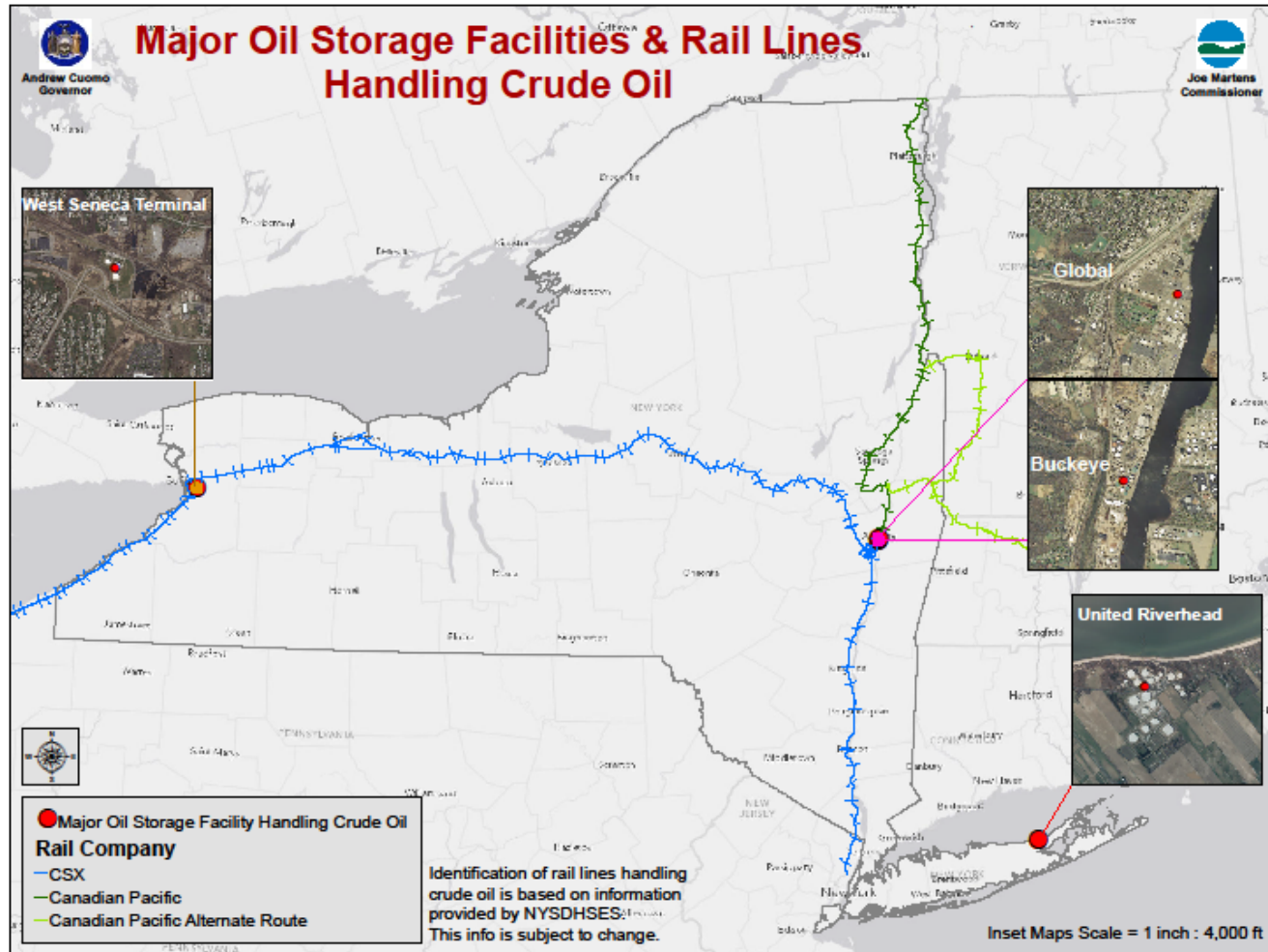
Major Crude Oil Derailments



Casselton, ND



Crude Oil Rail Routes in NYS



Properties of Bakken Crude

Material	Flash Point	Flammability Range	Vapor Pressure @ 68° F	NFPA Flammability Rating
Gasoline	-46°F	1.4 - 7.6 %	275 - 475 mm Hg	4
Bakken Crude	-31°F	0.8 - 8 %	280-360mmHg	4
Ethanol	55°F	3.3 -19%	42.7 mm Hg	3
Diesel	> 125°F	0.6-7.5%	0.47 mm Hg	2
Kerosene	>100°F	0.7-5%	0.4 mm Hg	2
#6 Fuel Oil	140°F	ND-ND	< 5 mm Hg	2



Elements of Executive Order 125



- Petition federal agencies to upgrade tank car and rail line safety, assess risks, & pre-deploy response assets
- State agencies to assess NYS's prevention, preparedness, & response capabilities
- Report to the Governor by April 30 with recommendations



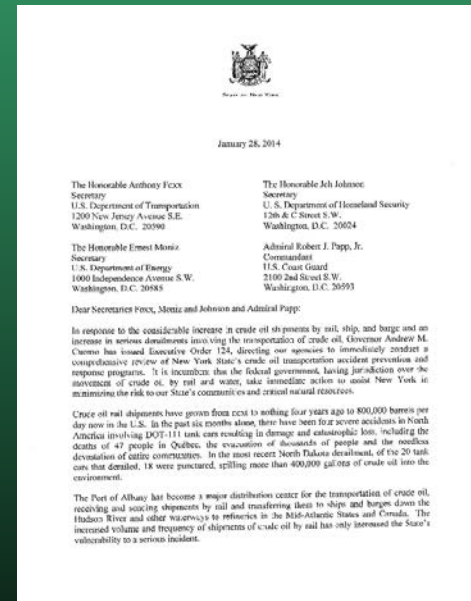
Involved NYS Agencies

- NYS Department of Transportation
- NYS Department of Environmental Conservation
- NYS Division of Homeland Security and Emergency Services
- NYS Department of Health
- NYS Energy Research and Development Authority



Communications w/Federal Partners

- Jan 28
 - Agencies to USDOT, USDHS-USCG, USDOE
 - response Mar 12
- Mar 24
 - NYSDEC to USEPA
 - response Mar 28



Prevention Issues

- NYS Aboveground Tank System Spill Prevention Regulations
 - Tank construction standards
 - Secondary containment requirements
 - Spill prevention requirements
- Spill Prevention, Control and Countermeasures (SPCC) Plans
 - Transfer procedures, facility security, drainage control, countermeasures



Prevention Issues

- Inspection Requirements
 - Facility self-inspection
 - NYSDEC Inspections
 - USEPA Inspections
- Coordination of Government Inspections
 - Apply concepts being adopted under the Effective Chemical Risk Management Program



Preparedness Issues

- Spill Prevention, Control and Countermeasures Plans
- Facility Response Plans
- Vessel Response Plans
- Railroad Emergency Response Plans



Preparedness Issues

- Development of Geographic Response Plans
 - Need to scope a statewide project
 - Prioritize areas
 - Identify budget and staffing needs
 - Pre-position response equipment
 - Expedite GRP development



Preparedness Issues

- Training and Drills/Exercises
 - Provide additional specialized training for NYS Spill Responders and federal OSCs
 - Increase the frequency and intensity of drills and exercises
 - Increase participation by local response agencies



Preparedness Issues

- Develop regulation for pre-transfer booming
 - Identify when booming would be required
 - Take into account, weather, product type, etc.
 - Consider restrictions on where transfers can occur
 - Consider whether OSRO must be present during a transfer
 - Consistent with NJ regulation



Response Issues

- Rapid exchange of information between agencies
- Availability of response equipment and supplies near critical locations
- Inventories of response assets
- Availability of response contractors





Community Concerns

Times Union

- Proximity of rail corridors, rail yards, & ports to population centers
- Fire/Explosion safety
- Exposures to volatile organic compounds
- Sufficiency of government and private resources to prevent and respond





- Completion of Report
- Prioritization of tasks and Resources
- Expedite Implementation of Recommendations
- Continue ramping up coordination between federal, state, and local agencies



Questions?

