**America's Oil and Natural Gas Industry**

# Energizing America

## Facts for Addressing Energy Policy

# Liquids Pipelines

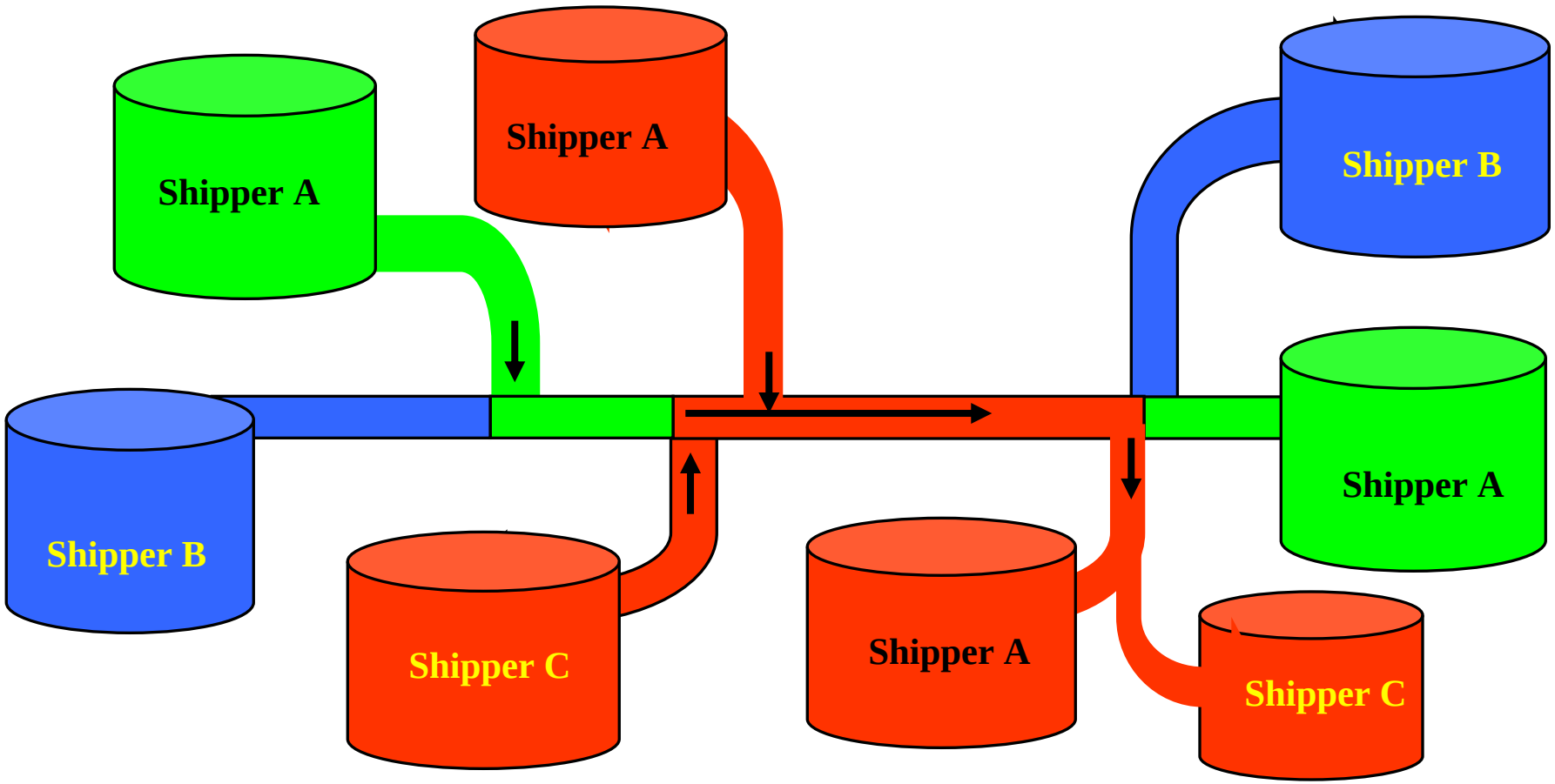
# Product Integrity

- Different product batches are “pushed” through the system abutting each other.

| Reformulated regular gasoline | Low sulfur diesel fuel | Kerosene/ Jet Fuel | High Sulfur Diesel | Conventional regular gasoline | Premium gasoline | Reformulated premium gasoline |
|---|---|---|---|---|---|---|

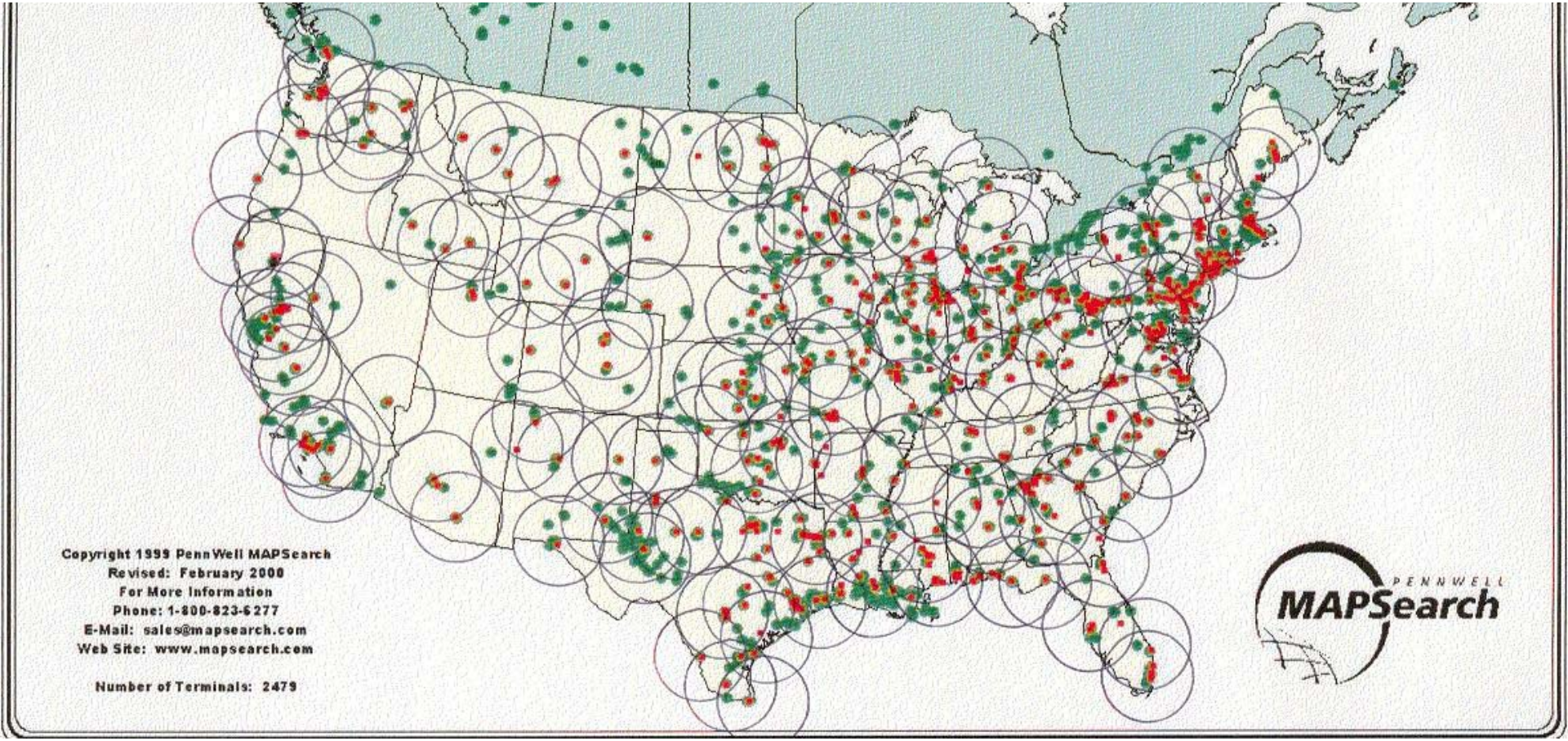
**Increasing the number of distinct product types complicates the product distribution systems.**

# Product Batching
# Multiple Origins and Destinations

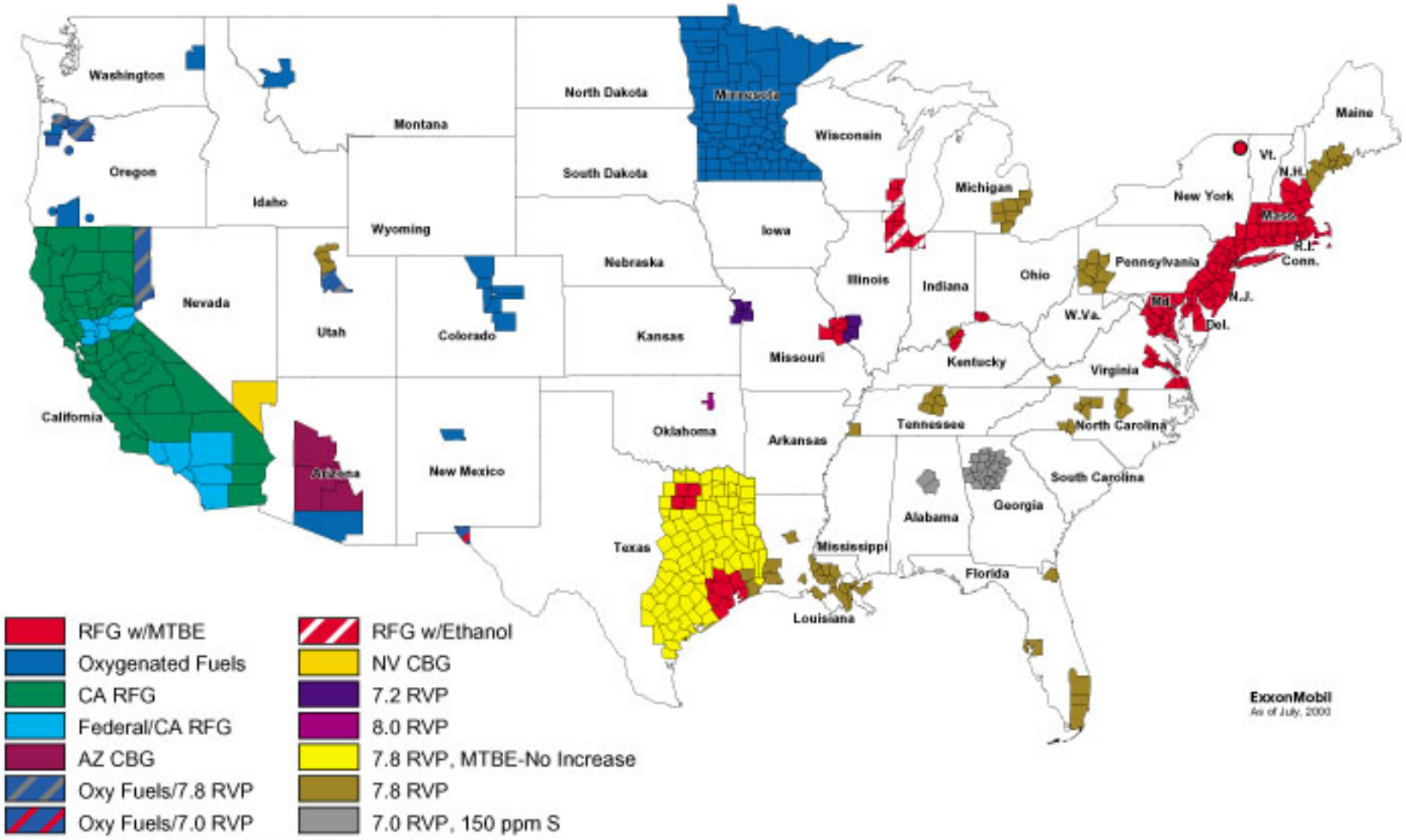



**Colonial delivers 90 different products for 85 customers to 270 terminals and more than 1,000 storage tanks.**

# Terminals in the U.S. - 2479



# U.S. Fuel Requirements

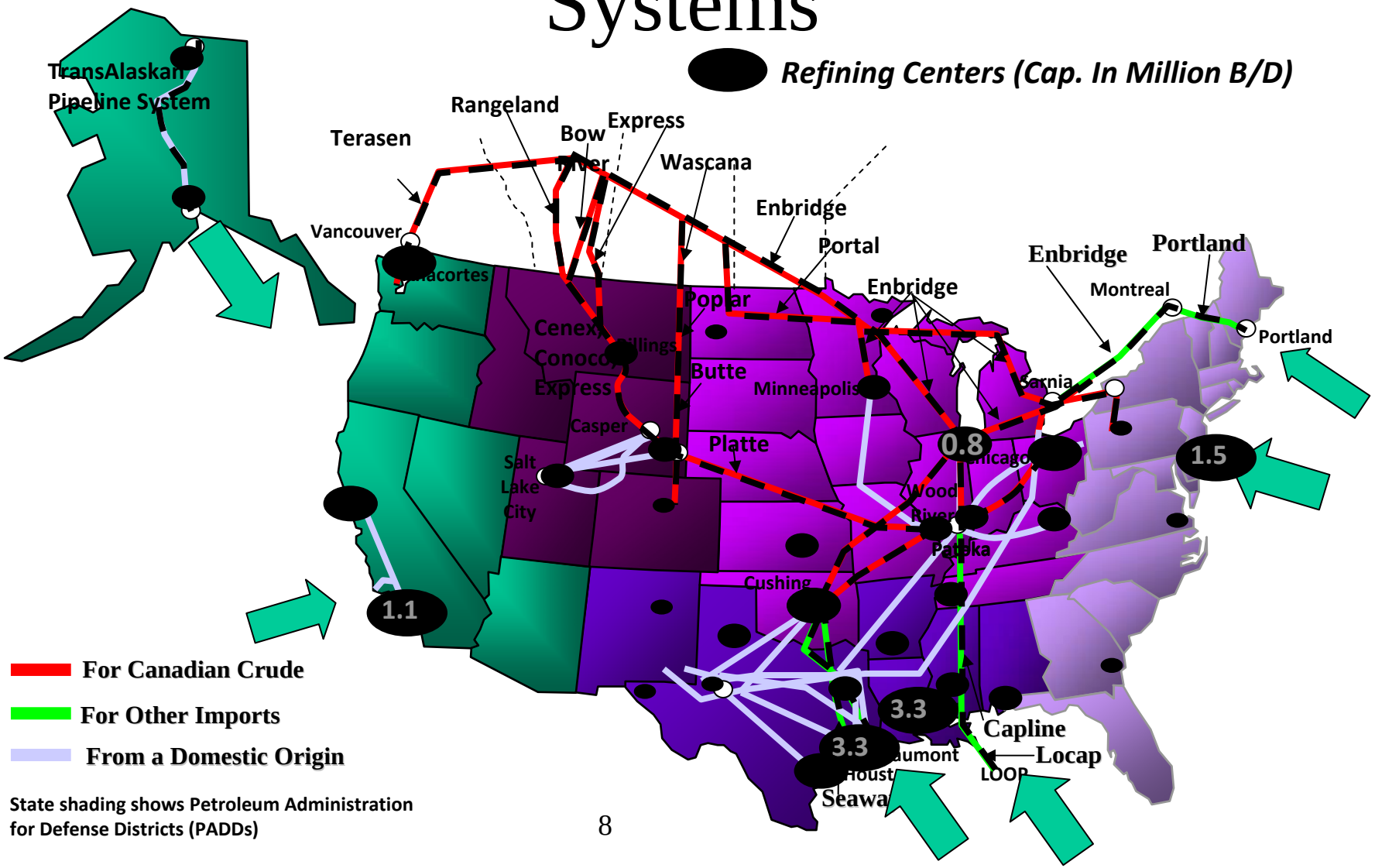



This map is not intended to be used as guidance for oxy fuels or RFG compliance, nor is it legal advice.

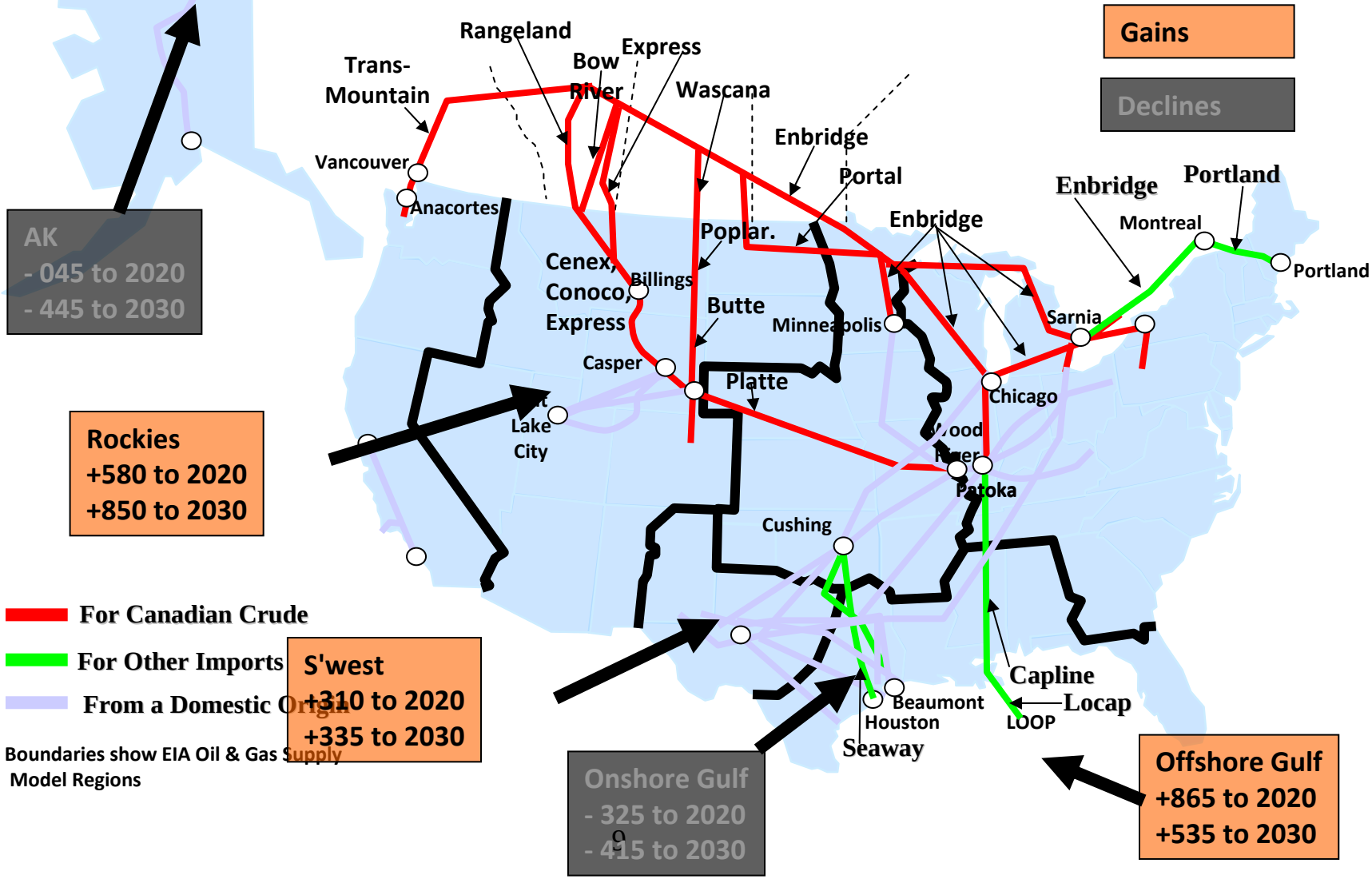
# State Heating Oil Islands - maximum sulfur content

- Connecticut 0.3%
- Maine None
- Massachusetts 0.5%
- New Hampshire 0.4%
- Rhode Island 0.5%
- Vermont 2.0%
- Pennsylvania Philadelphia 0.2% Most Urban Counties 0.3% Rest of PA 0.5%
- New York 2.0% to 0.2% with NYC being 0.2%
- New Jersey 0.3% in the outlying counties, 0.2% in the more urban counties

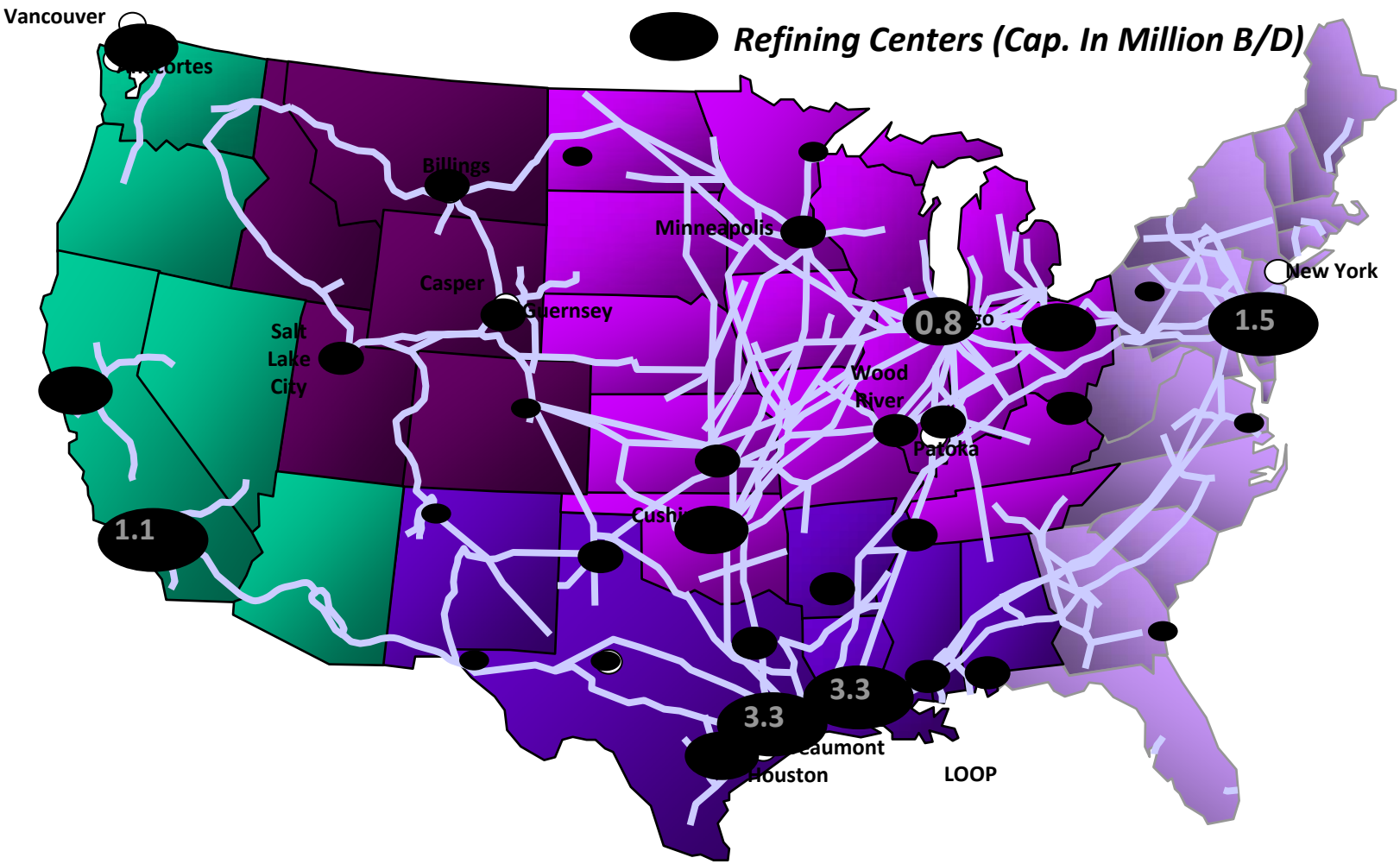
# Selected Crude Oil Trunkline Systems

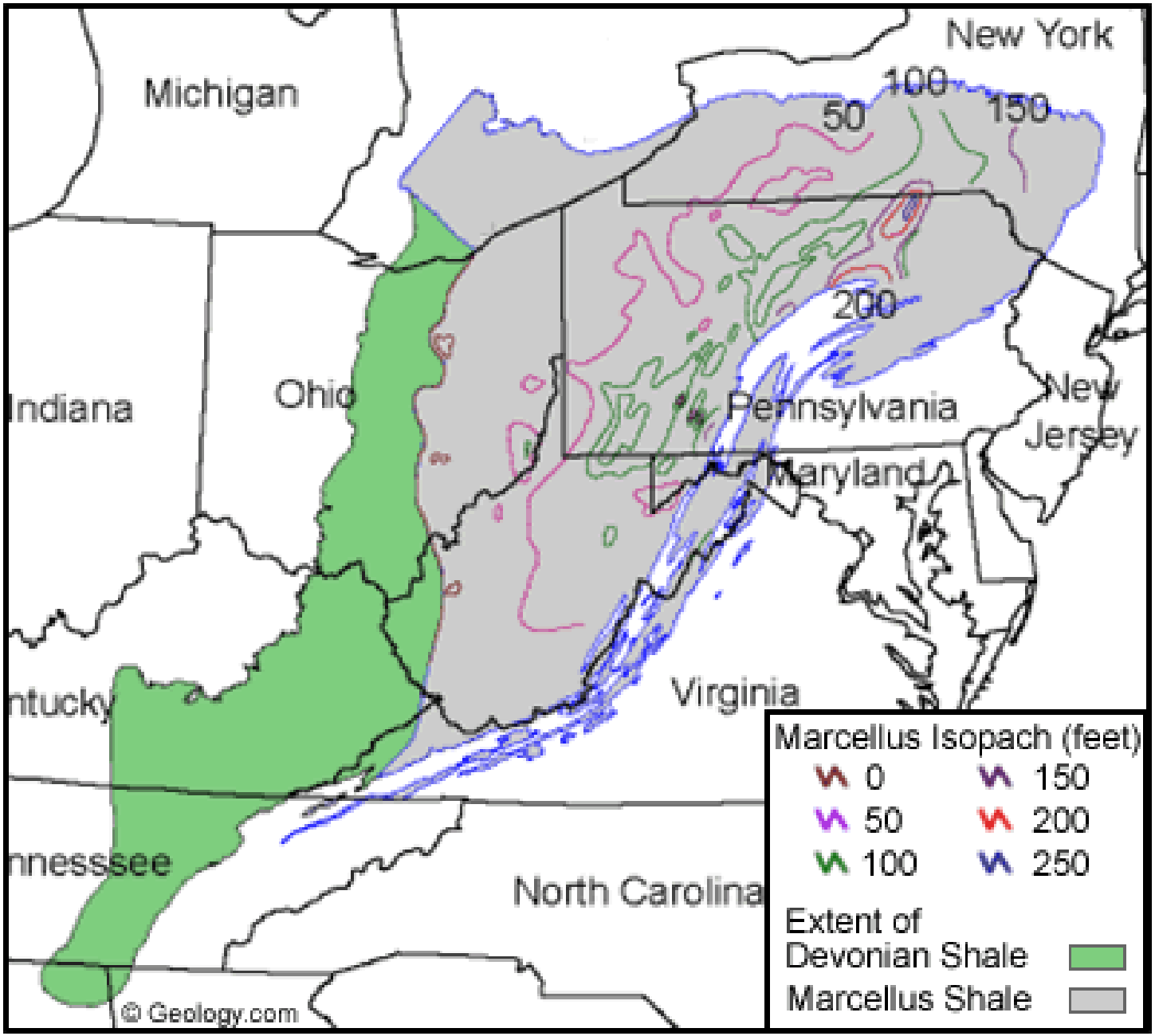


# Selected Crude Production Changes Compared to Pipelines



# Major Refined Product Pipelines




New York
Michigan
100
50
150
200
Indiana
Ohio
Pennsylvania
New Jersey
Maryland
ntucky
Virginia
nnesssee
North Carolina
© Geology.com
Marcellus Isopach (feet)
0
50
100
150
200
250
Extent of Devonian Shale
Marcellus Shale