



USAID
FROM THE AMERICAN PEOPLE



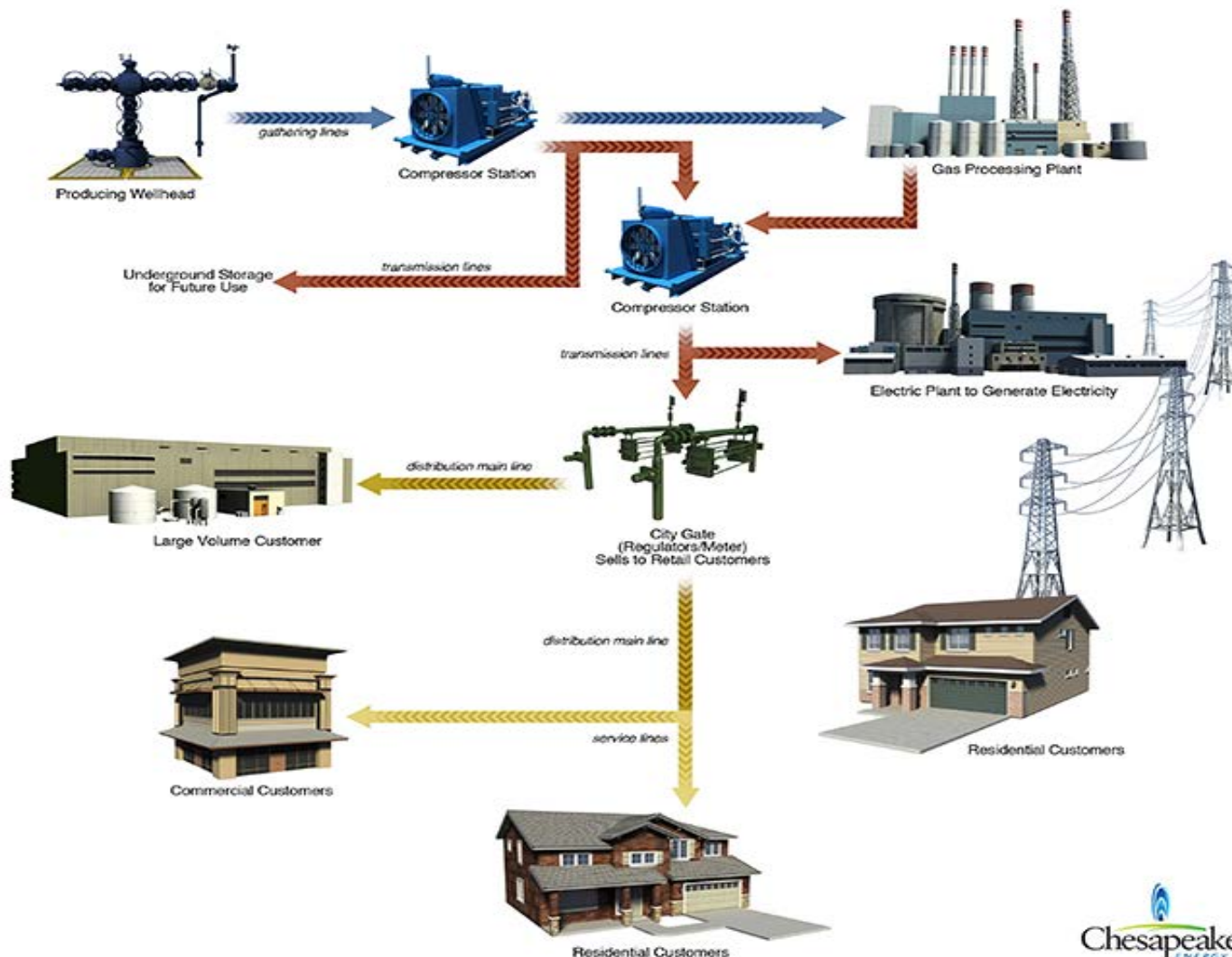
National
Association of
Regulatory
Utility
Commissioners

Illinois and US Natural Gas Industry Information

Tom Kennedy

January 27, 2014

Natural Gas Transportation System





USAID
FROM THE AMERICAN PEOPLE



National
Association of
Regulatory
Utility
Commissioners

Illinois Natural Gas Profile

- Illinois is one of the major natural gas-consuming states in the nation, behind Texas, California, Louisiana, Florida, and New York. Almost 1 trillion cubic feet of natural gas per year are consumed in the state.
- Consumption Shares:
 - The residential sector consumes the largest share of the natural gas delivered to end users within the state. More than four-fifths of Illinois households use natural gas for home heating.
 - The industrial sector, Illinois' second largest natural gas consuming sector, uses about one-fourth of the natural gas delivered to end users in the state.
 - Although natural gas use by the electric power sector varies from year to year, almost one-tenth of the natural gas consumed within the state in 2012 was used for electric power generation.



USAID
FROM THE AMERICAN PEOPLE




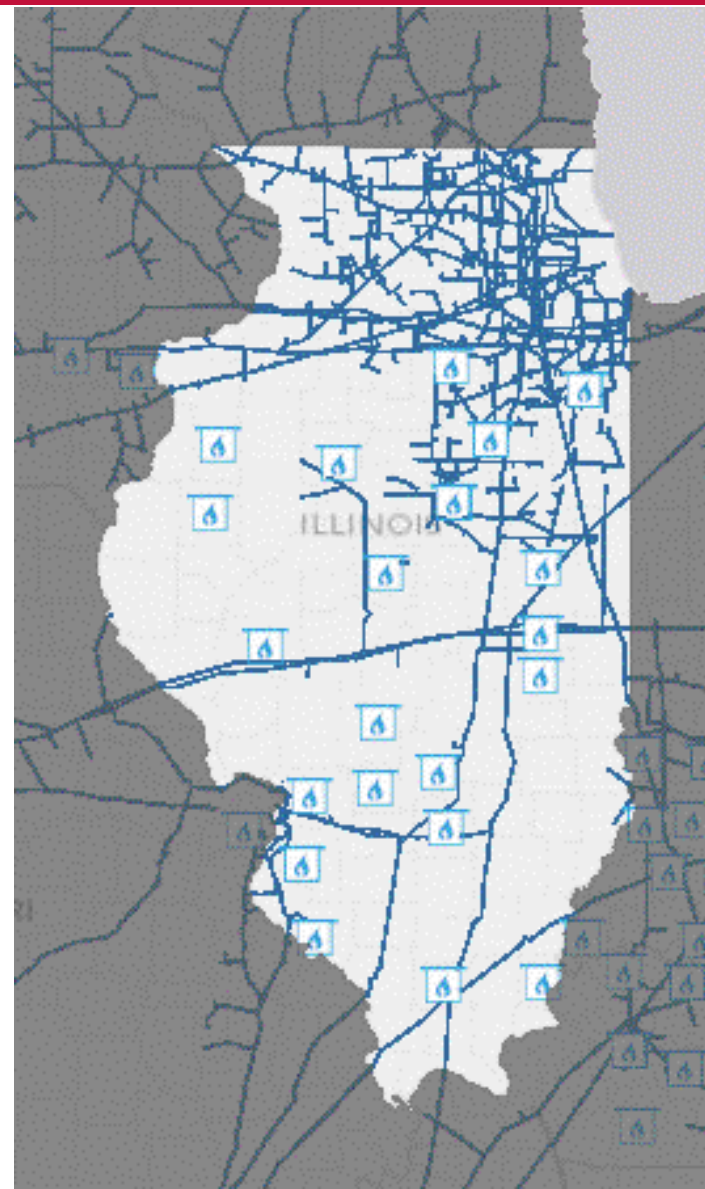
National
Association of
Regulatory
Utility
Commissioners

Illinois Natural Gas Profile (cont.)

- Illinois has only few producing natural gas wells and minimal production. Fracking shale gas may change things.
- Illinois is a major crossroads with more than a dozen interstate natural gas pipelines and two natural gas market centers.
- Illinois also has 28 natural gas storage fields with a total combined capacity, second only to Michigan, at just less than 1 trillion cubic feet of natural gas.
- Natural gas enters Illinois from the west and south primarily by way of Iowa and Missouri, and more than two-thirds of it moves on to Indiana on its way to eastern markets.

Natural Gas Pipelines in Illinois

- Natural Gas Inter/Intrastate Pipeline
-  Natural Gas Underground Storage





USAID
FROM THE AMERICAN PEOPLE



National
Association of
Regulatory
Utility
Commissioners

US Natural Gas Supply

- Consumption 25.5 tcf (2012)
- Production 24.6 tcf (2011)
- Wells in Production 483,000 (2012)
- Proved Reserves 334 tcf (2011)
- Net Imports 1.5 tcf (2012), lowest since 1990
- Shale Gas Responsible for Both Production and Reserve Growth

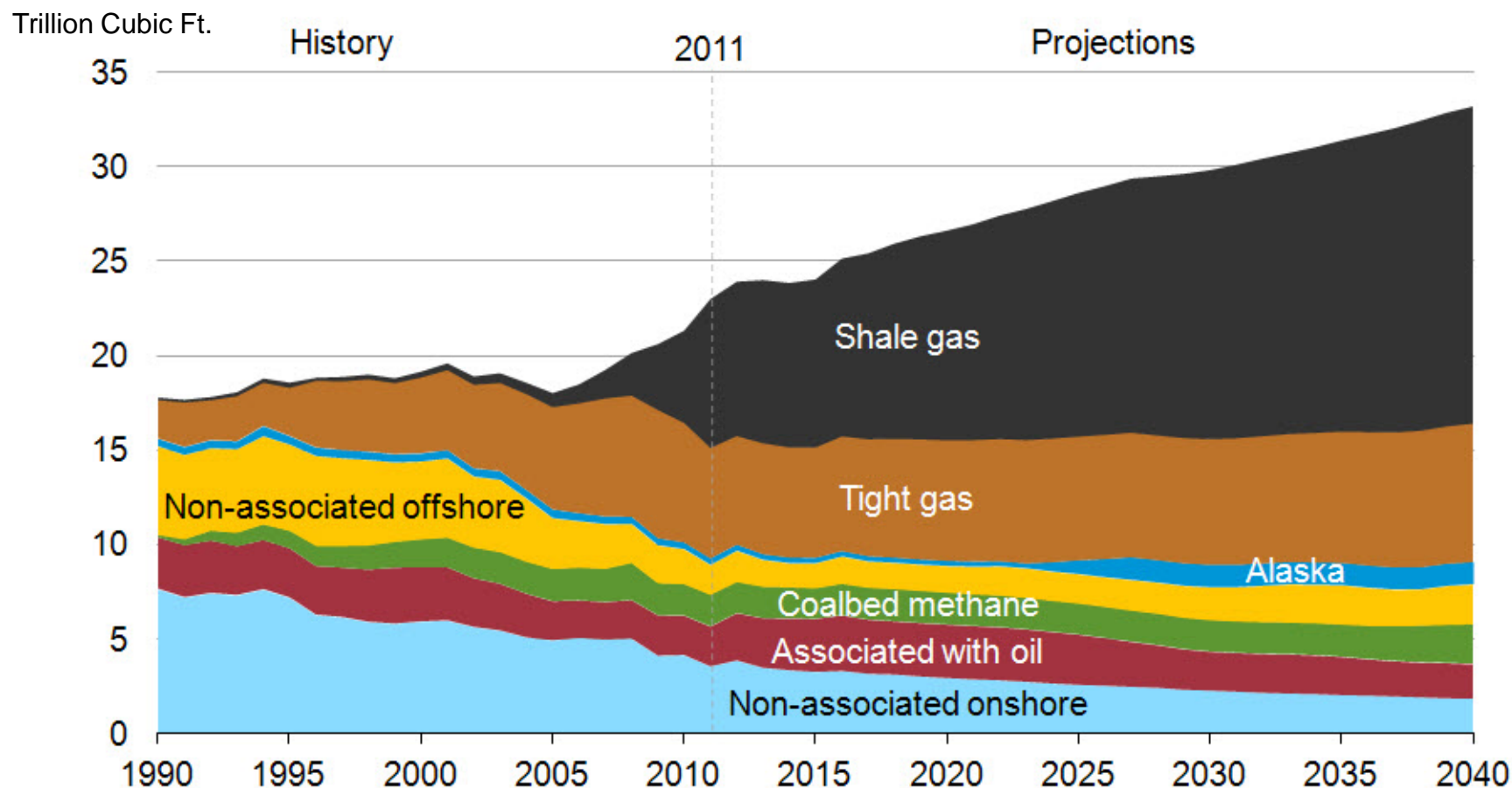


USAID
FROM THE AMERICAN PEOPLE



National
Association of
Regulatory
Utility
Commissioners

US Dry Natural Gas Production



Source: U.S. Energy Information Administration, *Annual Energy Outlook 2013 Early Release*

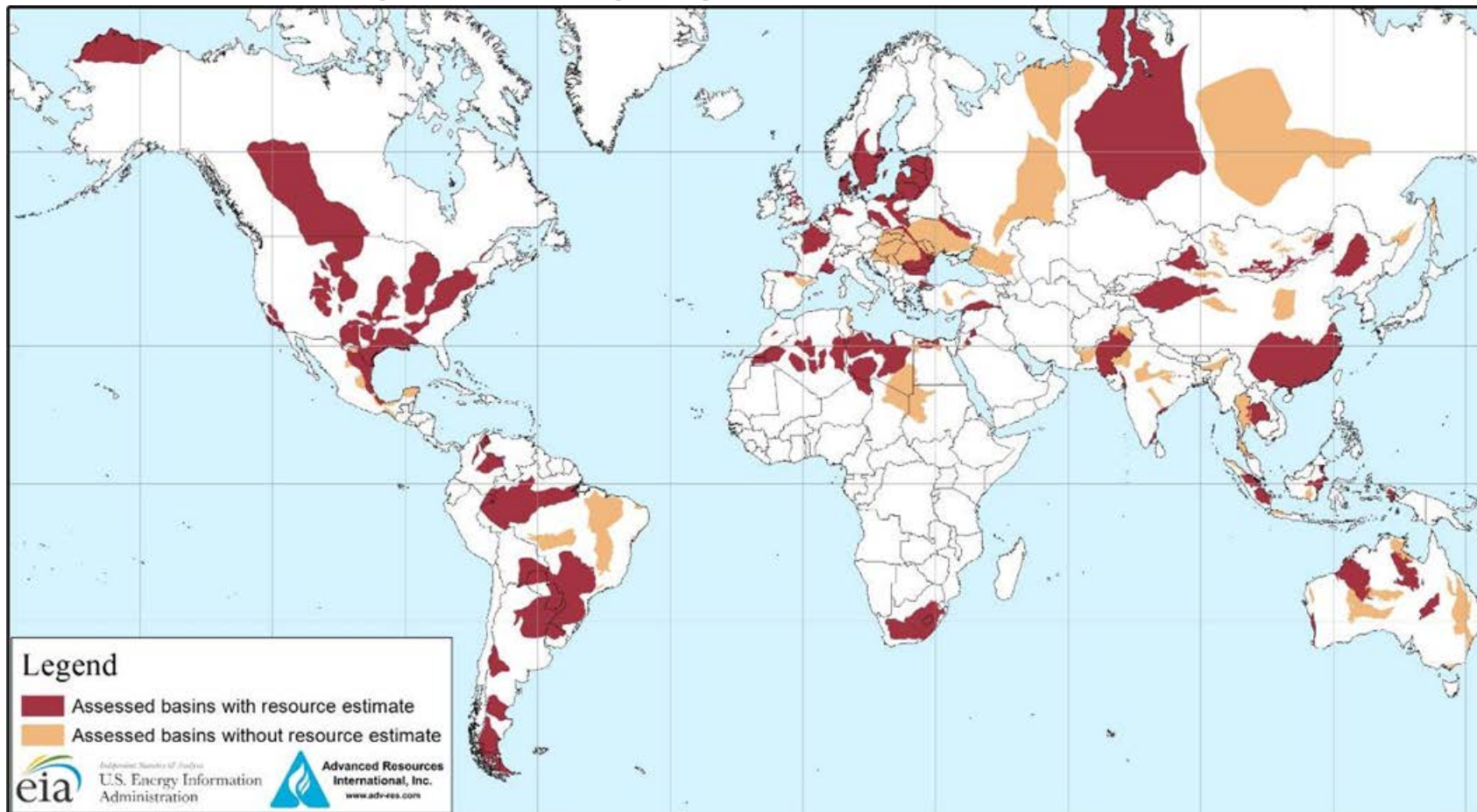


USAID
FROM THE AMERICAN PEOPLE



National
Association of
Regulatory
Utility
Commissioners

Gas and Oil Shale Resources





USAID
FROM THE AMERICAN PEOPLE



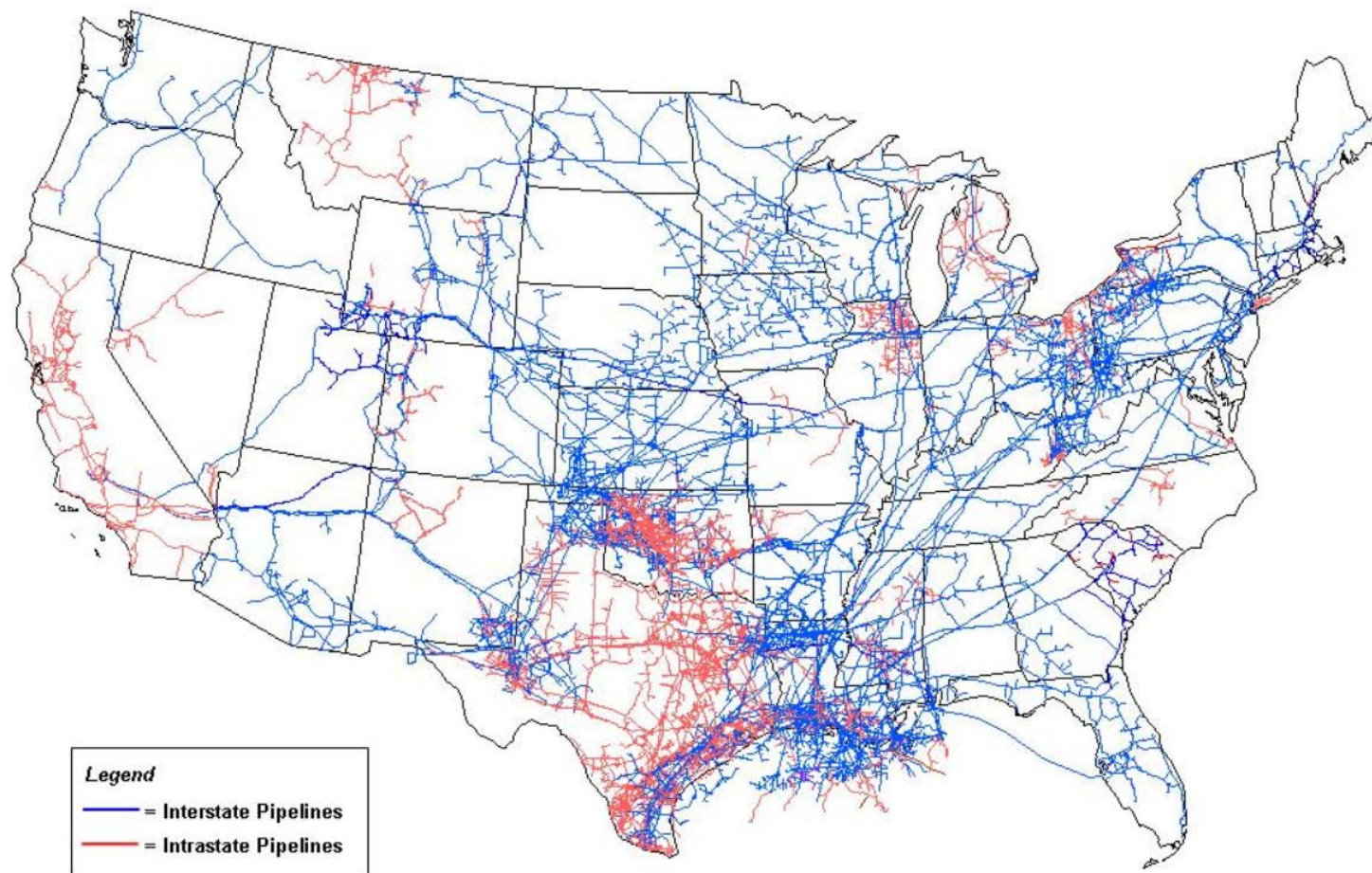
National
Association of
Regulatory
Utility
Commissioners

United States Natural Gas Pipeline System

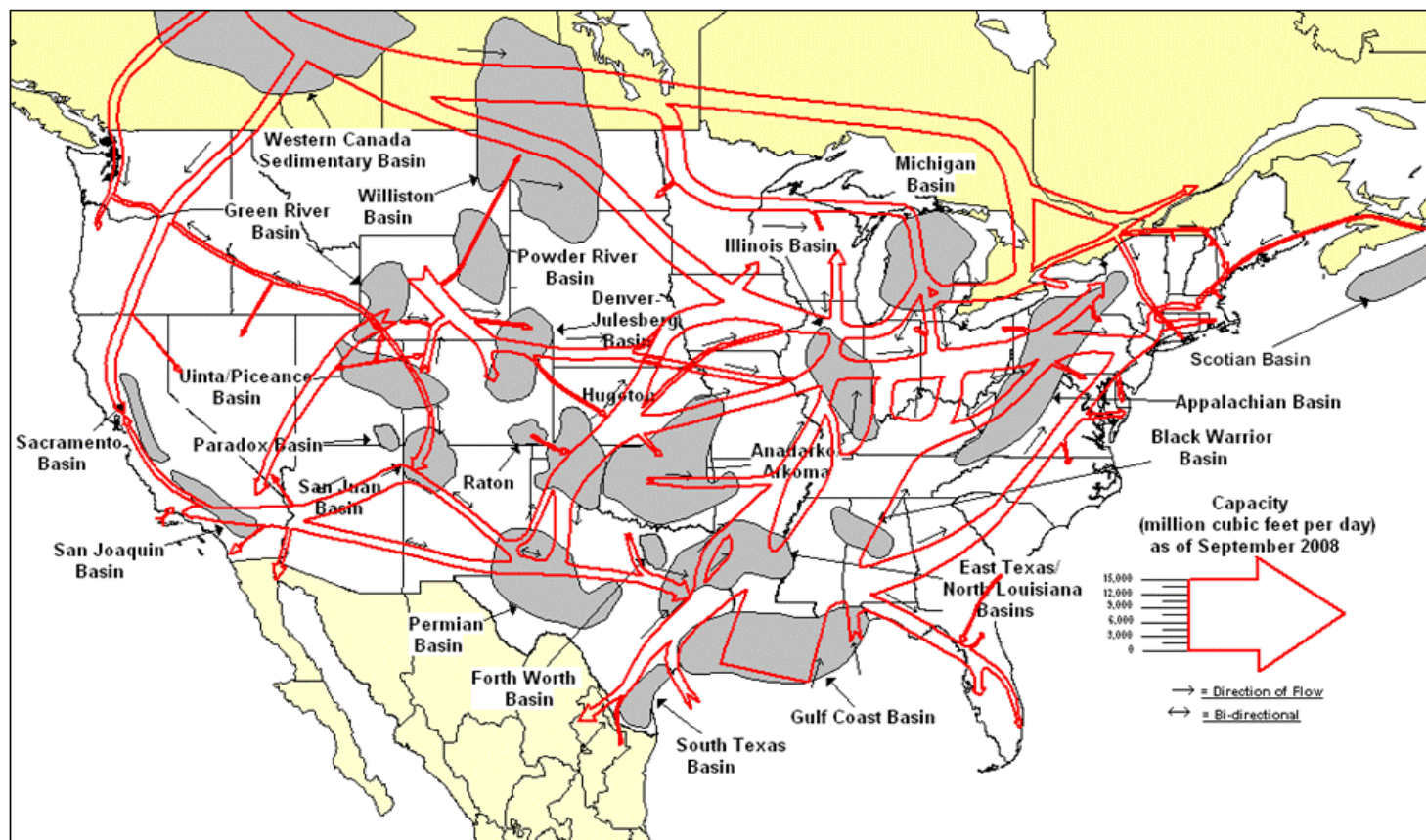
More than...

210	Pipeline Systems
300,000	Miles of Interstate Pipe
1,400	Compressor Stations
5,000	Receipt Points
11,000	Delivery Points
1,400	Pipeline Interconnection Points
400	Under Ground Storage Facilities
50	Pipeline/LNG Import/Export Points

US Interstate and Intrastate Gas Pipeline Map

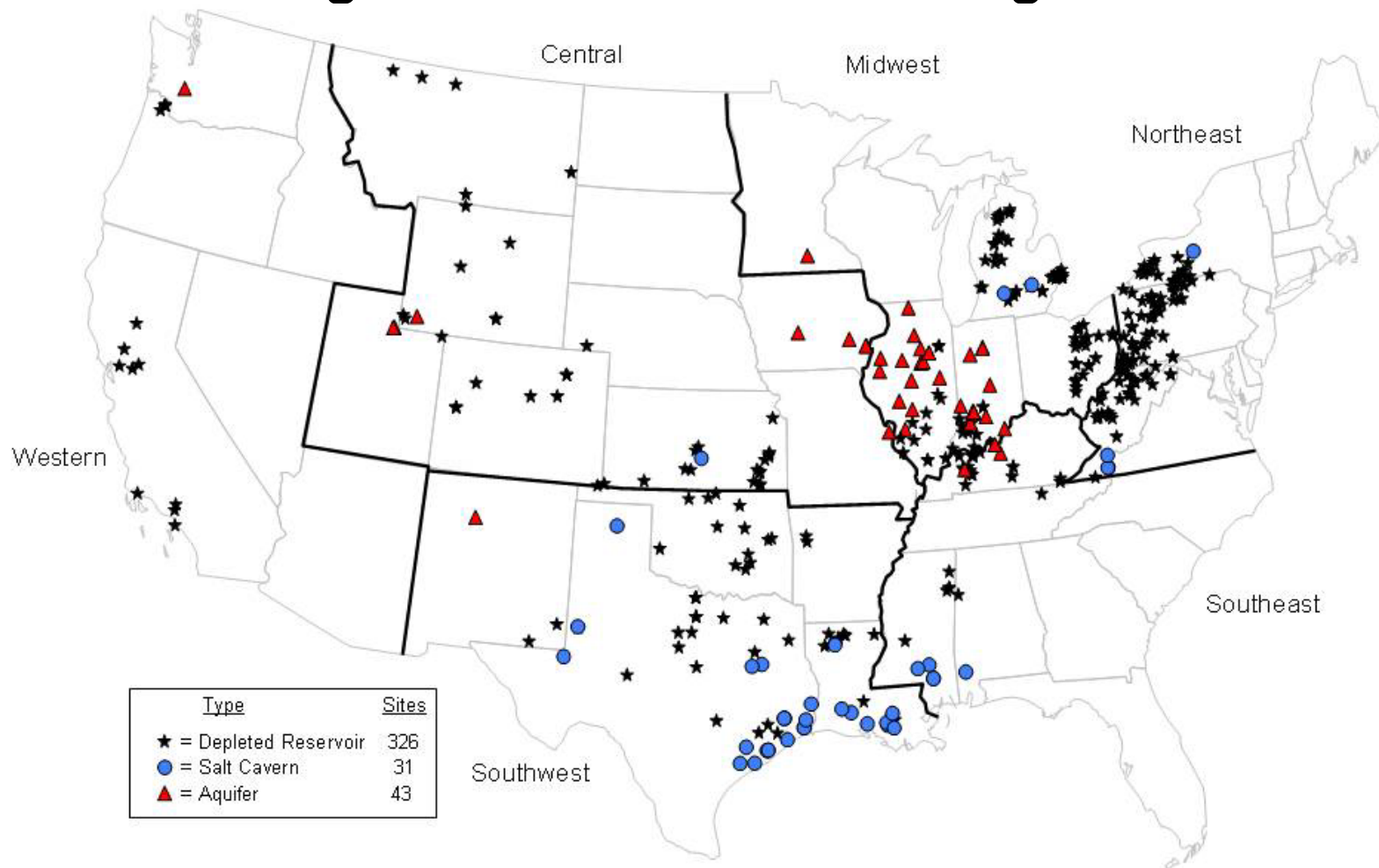


U.S. Natural Gas Supply Basins Relative to Major Natural Gas Pipeline Transportation Corridors, 2008



Source: Energy Information Administration, Office of Oil and Gas, Natural Gas Division, GasTran Gas Transportation Information System.

US Underground Natural Gas Storage Facilities



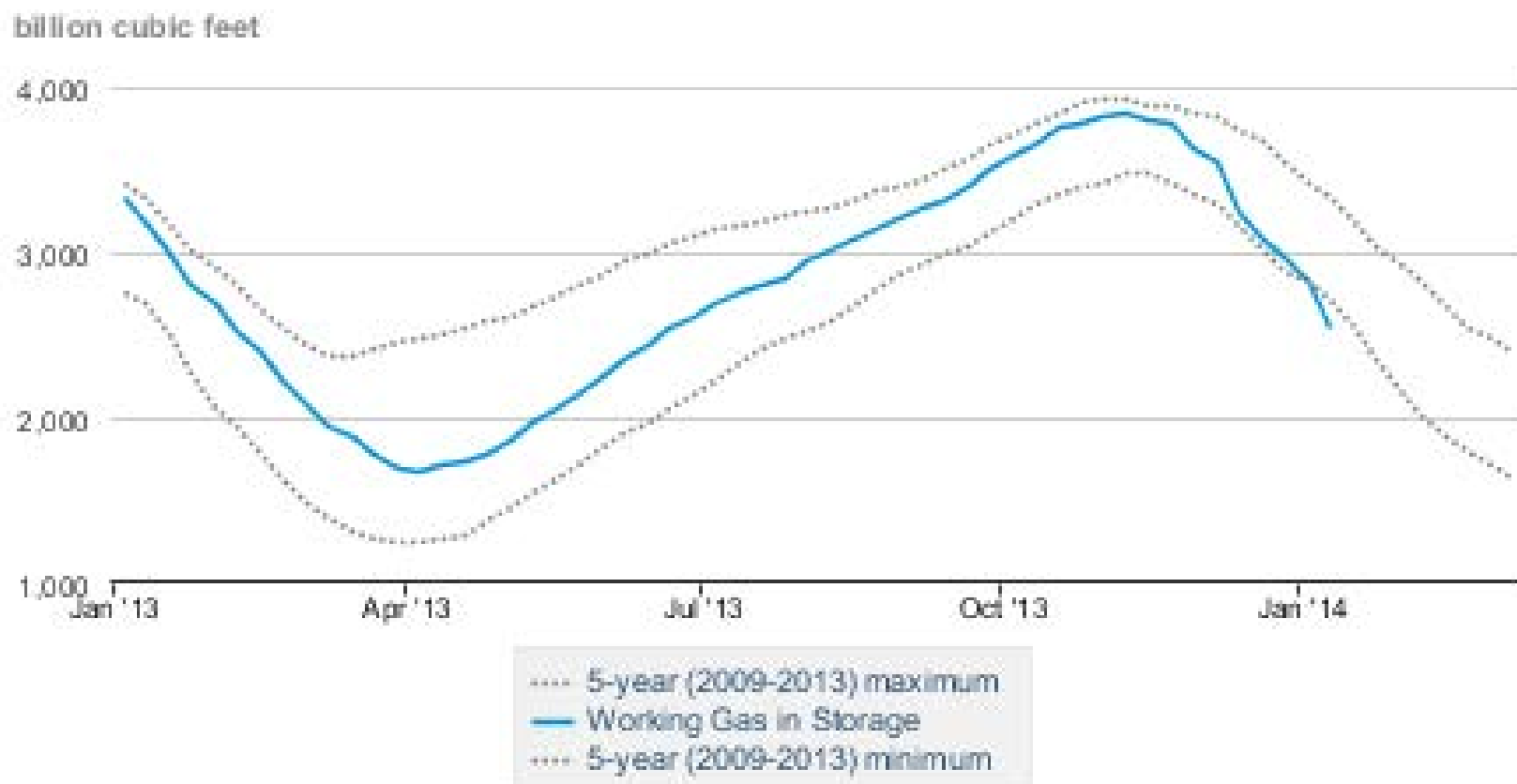


USAID
FROM THE AMERICAN PEOPLE



National
Association of
Regulatory
Utility
Commissioners

Working Natural Gas In Underground Storage





USAID
FROM THE AMERICAN PEOPLE



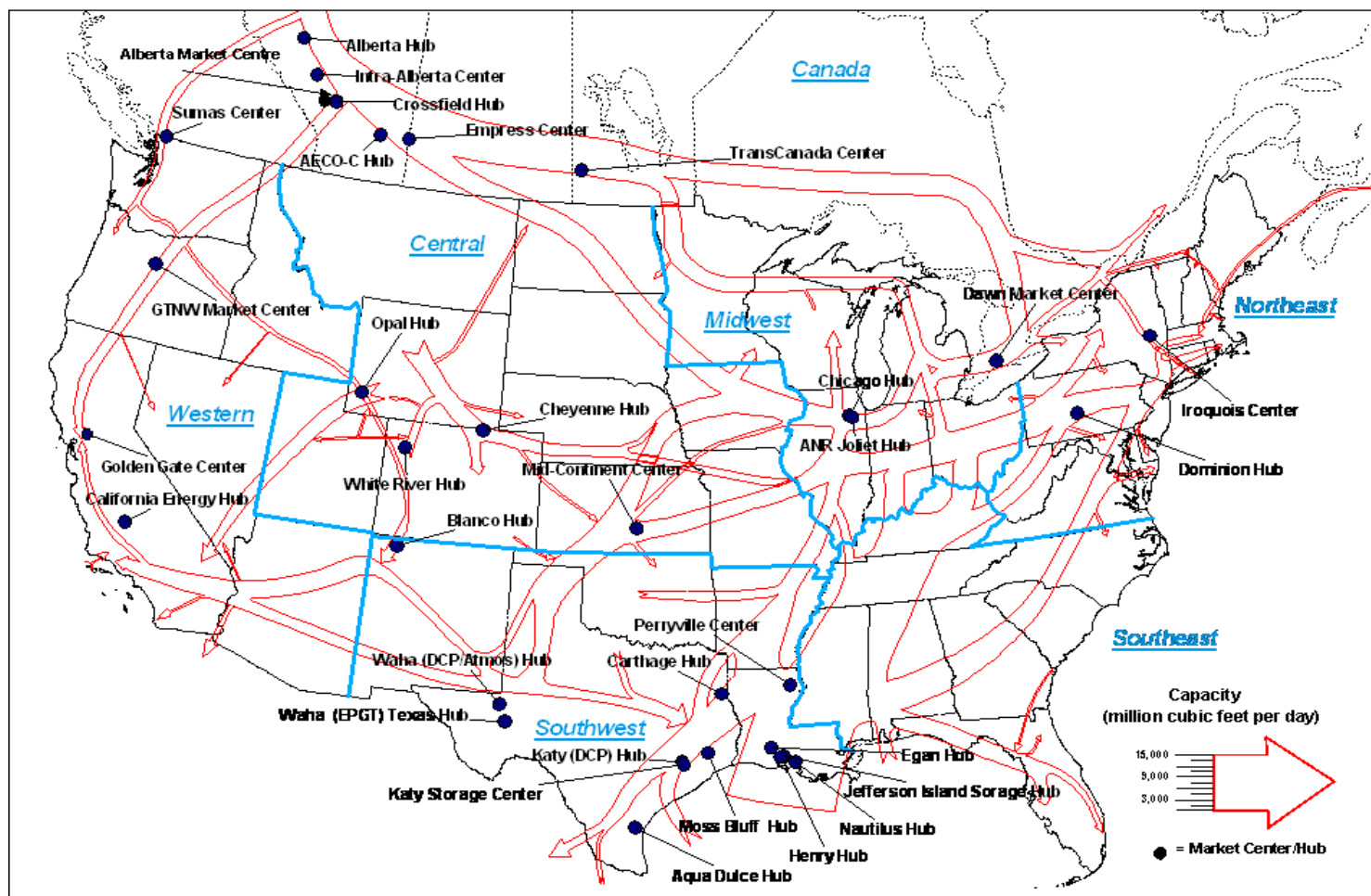
National
Association of
Regulatory
Utility
Commissioners

Annual U.S. Dry Natural Gas Proved Reserves



Source: U.S. Energy Information Administration

Natural Gas Market Centers and Hubs in Relation to Major Natural Gas Transportation Corridors, 2009





USAID
FROM THE AMERICAN PEOPLE



National
Association of
Regulatory
Utility
Commissioners

Conclusions

- US and Tanzania are both seeing increases in production and reserves.
- US has an integrated transmission system and competitive production sector that provides flexibility to respond to changes.
- Tanzania is facing relatively larger changes with less flexibility providing it with greater challenges but also with greater opportunities.



USAID
FROM THE AMERICAN PEOPLE



National
Association of
Regulatory
Utility
Commissioners

U.S. Energy Information Administration

- The U.S. Energy Information Administration (EIA) collects, analyzes, and disseminates independent and impartial energy information to promote sound policymaking, efficient markets, and public understanding of energy and its interaction with the economy and the environment.
- EIA provides a wide range of information and data products covering energy production, stocks, demand, imports, exports, and prices; and prepares analyses and special reports on topics of current interest.
- EIA information can be found at:
 - <http://www.eia.gov/>