A Geologic Perspective to the Shale Revolution

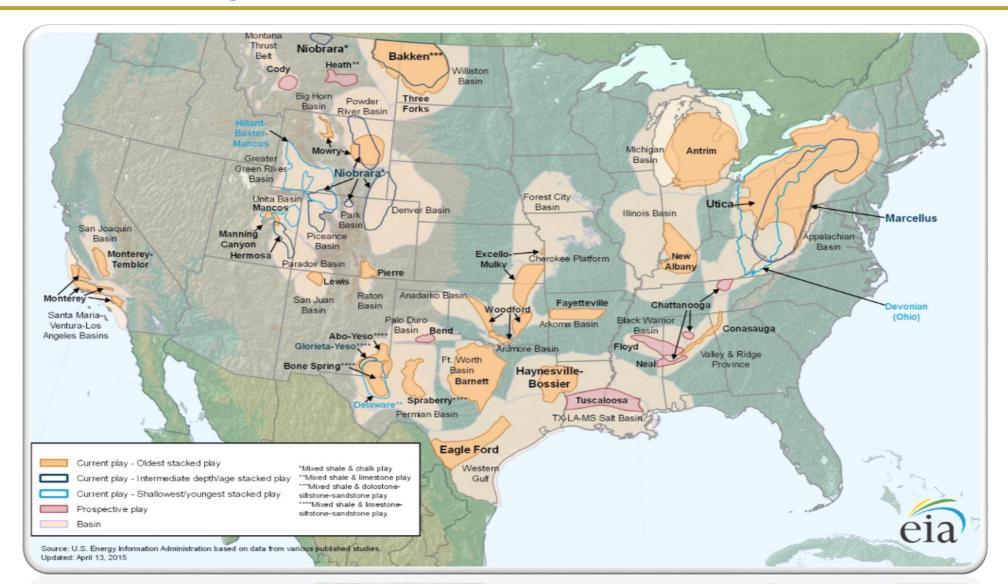
Mark Zatezalo

Member, WV House of Delegates

Here we are...



Shale Plays – Lower 48 States

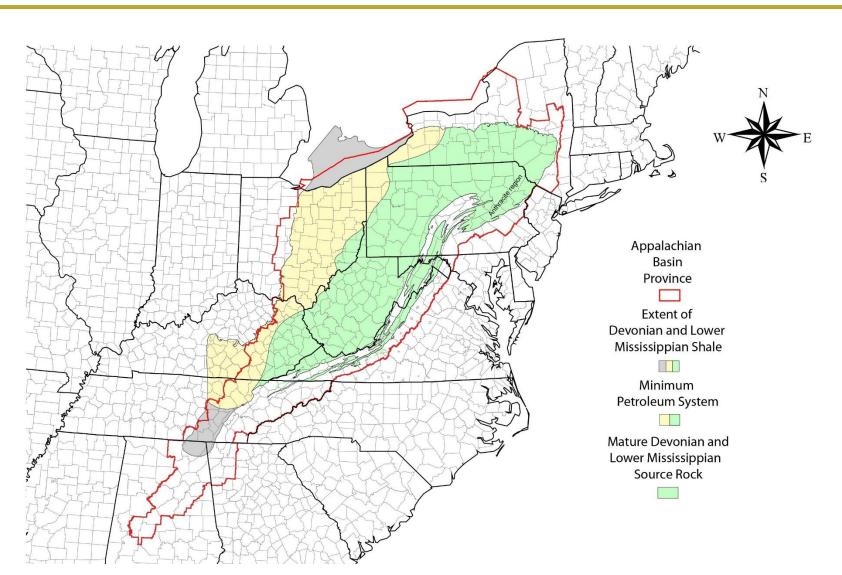


Endowed with ...

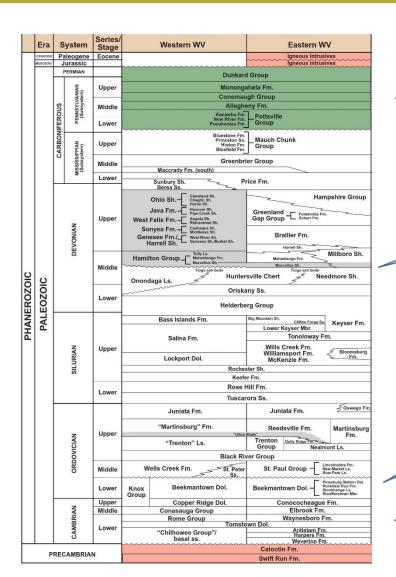
Mountains are 480 million years old



Major Appalachian Plays



WV Stratigraphic Chart



Coal-bearing strata 0 – 1500 feet

Marcellus 6,000 – 8,000 feet

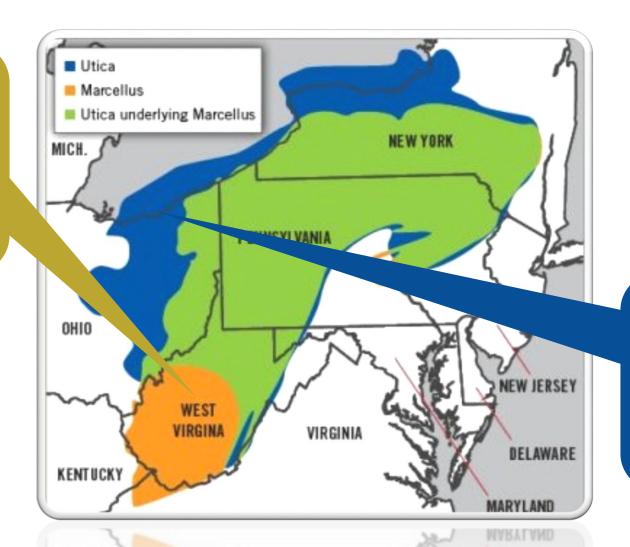
Utica 10,000 – 12,000 feet

Rogersville/ Cambrian 16,000 - 23,000 feet

Shale Plays – Marcellus & Utica

Marcellus

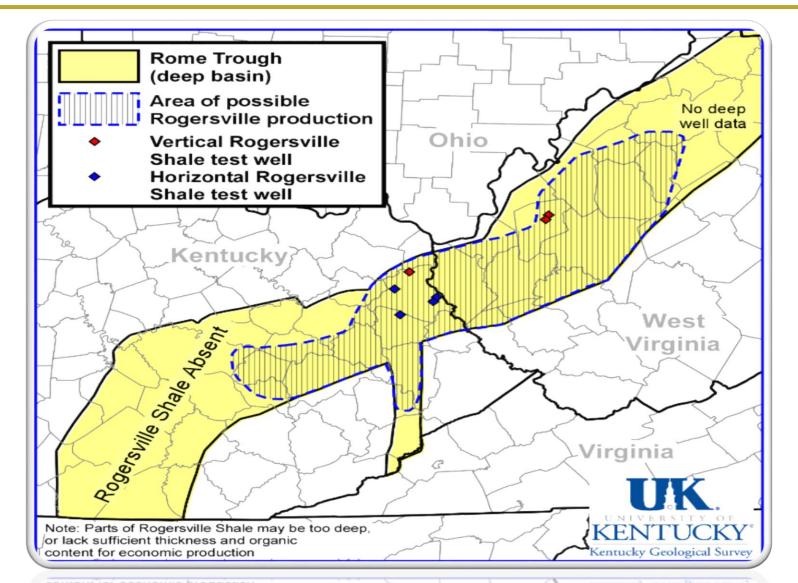
95,000 sq mi 4,000 – 8,000 ft deep 430 trillion cubic feet of natural gas



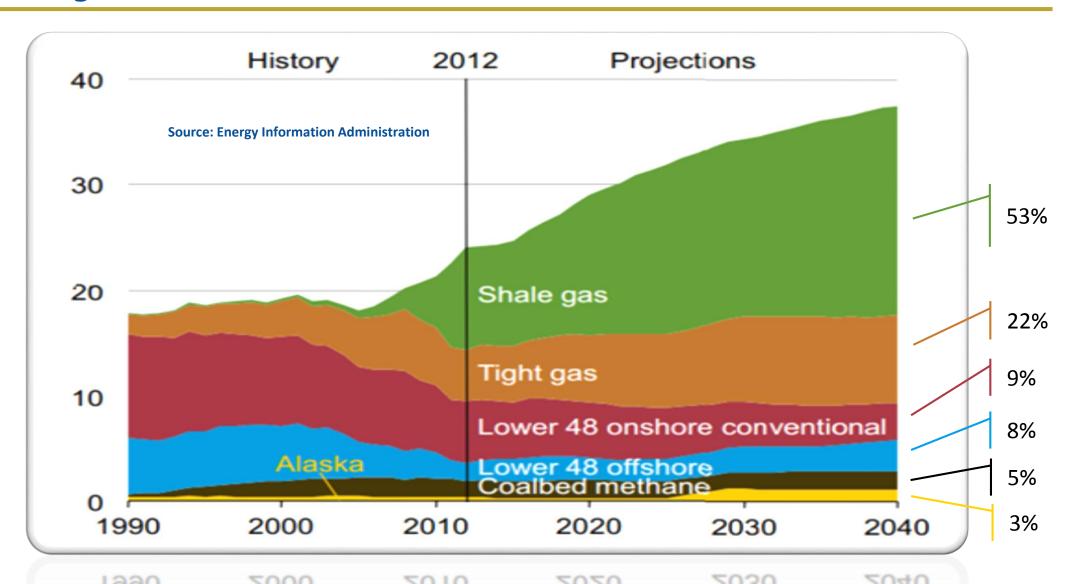
Utica

170,000 sq mi 10,000 – 15,000 ft deep 780 trillion cubic feet of natural gas

Shale Plays – Rogersville



Projected Natural Gas Production



However...

464 Actions Across 26

