The History of Natural Gas

October 8, 2010
Marty Phalen
Vice President of Gas Operations
SCE&G

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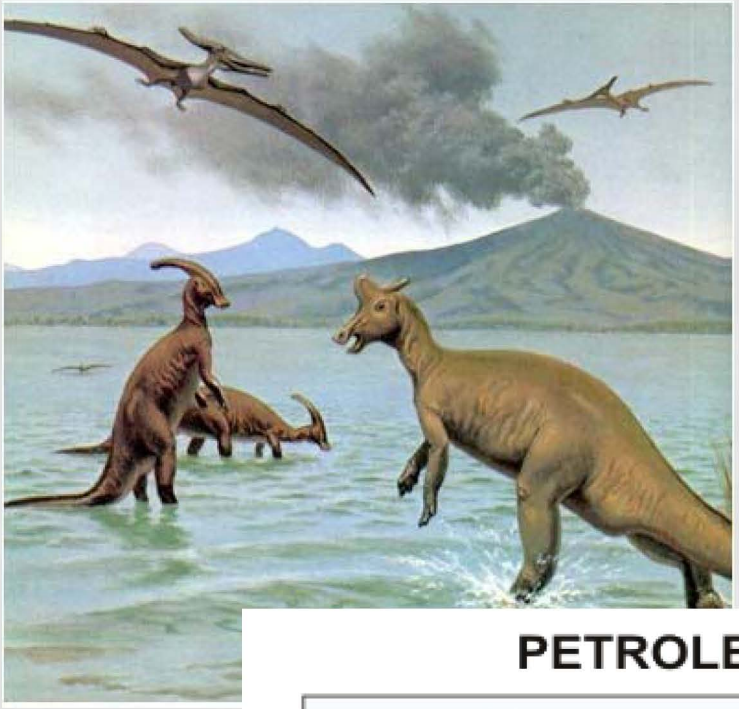

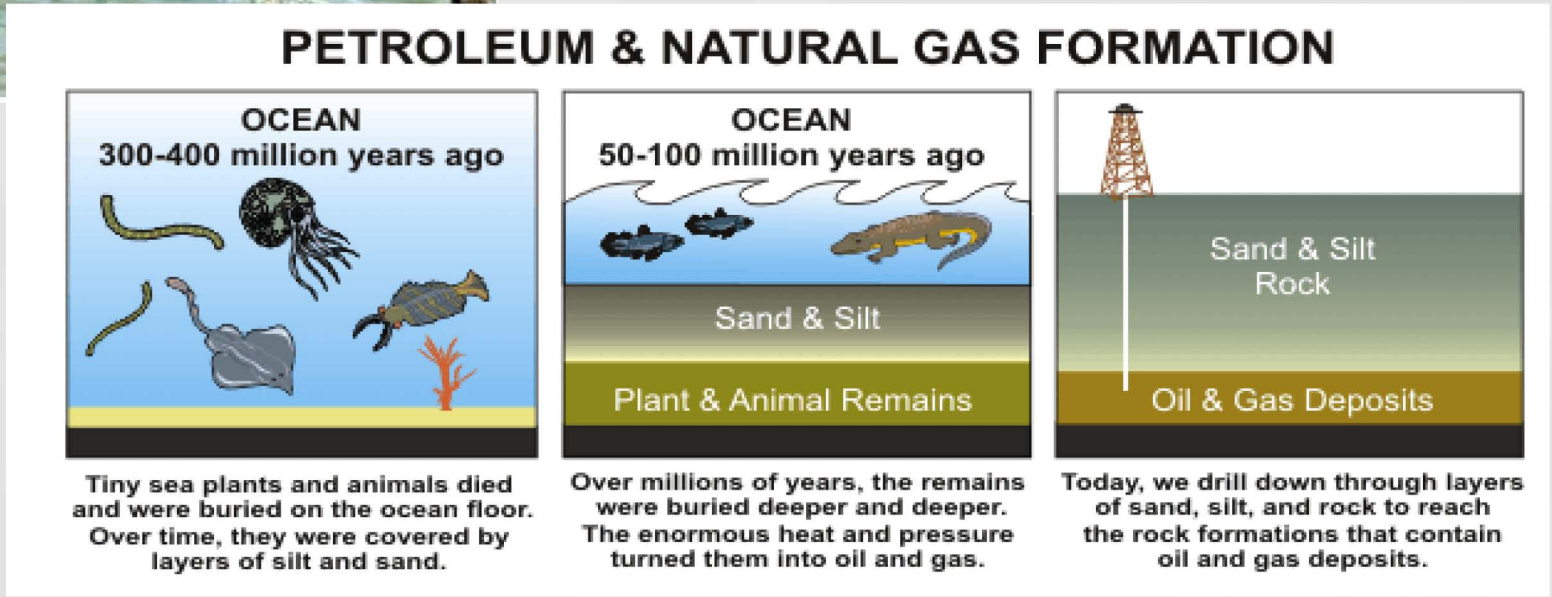

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GAS TIMELINE

1000 BC
Greeks discover natural gas

940 BC
Chinese build first gas pipelines

1800s
Manufactured gas plants

1821
First natural gas well drilled in America

1891
Long distance natural gas pipelining at high pressure begins

1900
Discoveries of natural gas in U.S. spread

1910
Era of natural gas industry development

1950
Era of industry regulation

1970
Era of market inefficiencies (curtailments /bubble)

1978
Era of Federal gas deregulation

1980
Era of restructuring /deregulation

2000
Increase in gas- fired generation increases demand

LNG
Shale Gas

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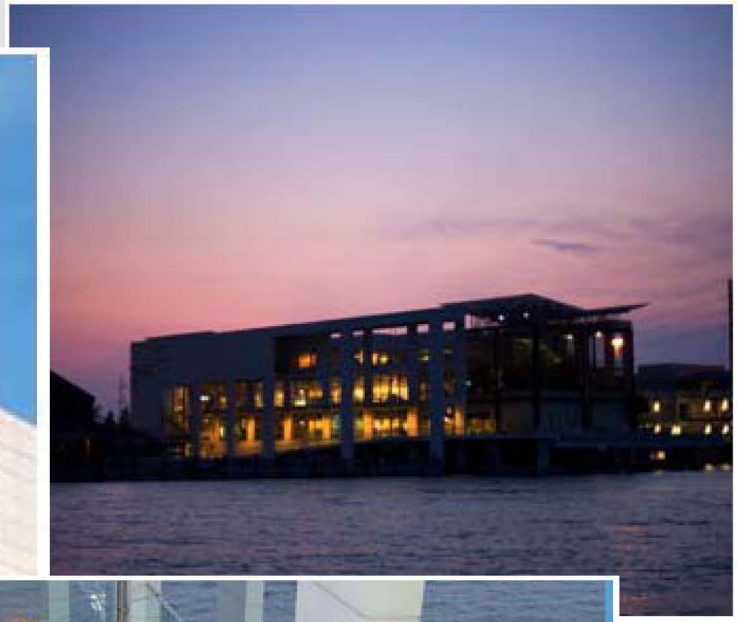
Charlotte Street Gas Plant, Charleston



South Carolina Aquarium 10 YEARS 2000-2010

Source: South Carolina Aquarium

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141 Meeting Street, Charleston, SC

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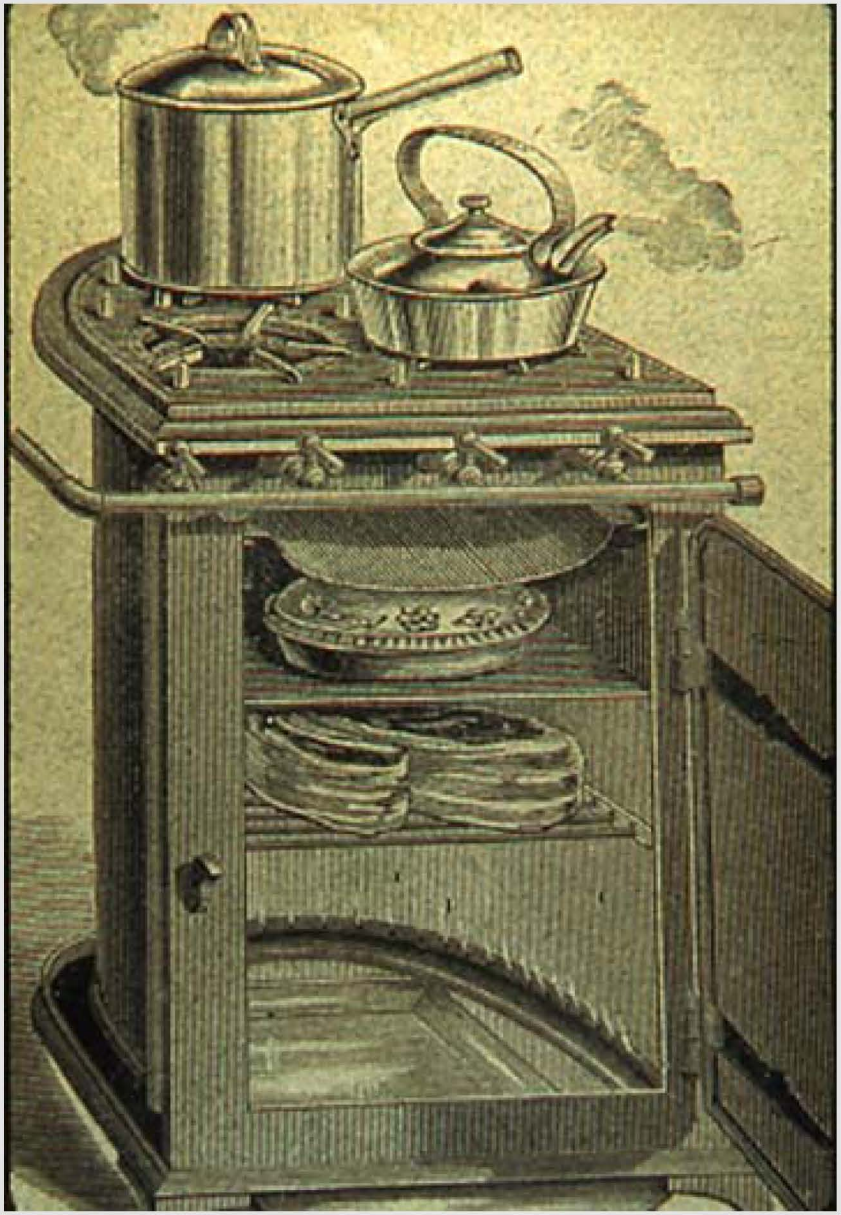

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Main Street, Columbia

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Columbia and Charleston Mayors with SCE&G President, SC Mc Meekin

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Plant Hagood, Charleston, SC

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Welcome to the United States Army - Fort Jackson Recruits

Source: Fort Jackson Museum

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LNG Plant at Bushy Park

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1950's -1960's

Columbia
Cayce
Charleston
Aiken
Hampton
Barnwell
Allendale
Denmark
Beaufort
Leesville
Edgefield
Johnston

1960's – 1970's

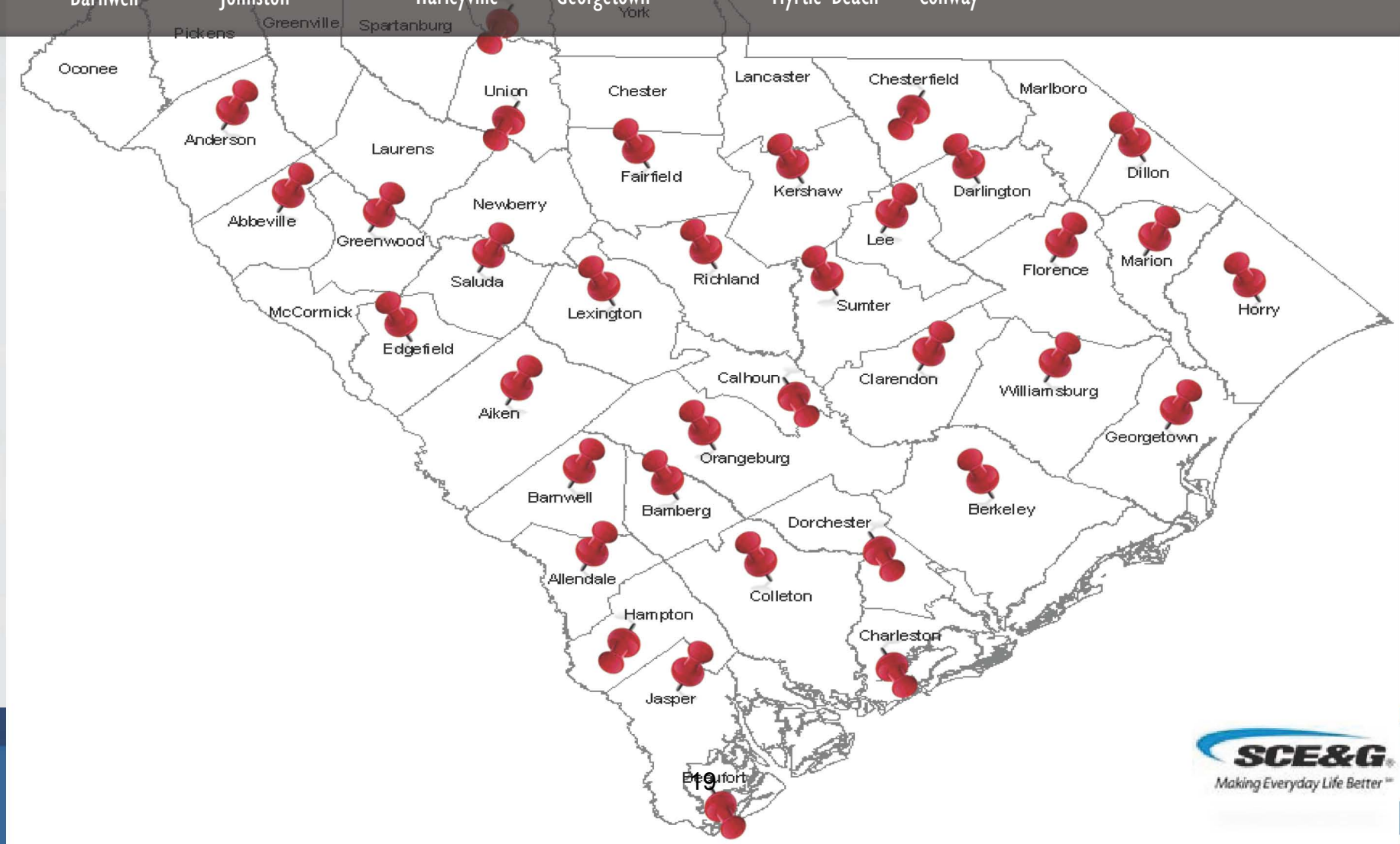
Lexington
Walterboro
St. George
Saluda
Jackson
Harleyville
Bowman
Goose Creek
Yemassee
Irmo
McBee
Georgetown

1970's -1980's

Port Royal
Swansea
Andrews
Kingstree
Florence
Myrtle Beach
Lynchburg
Camden
Abbeville
Dillon
Marion
Conway

1990's -Present

Sumter
Darlington
St. Matthews



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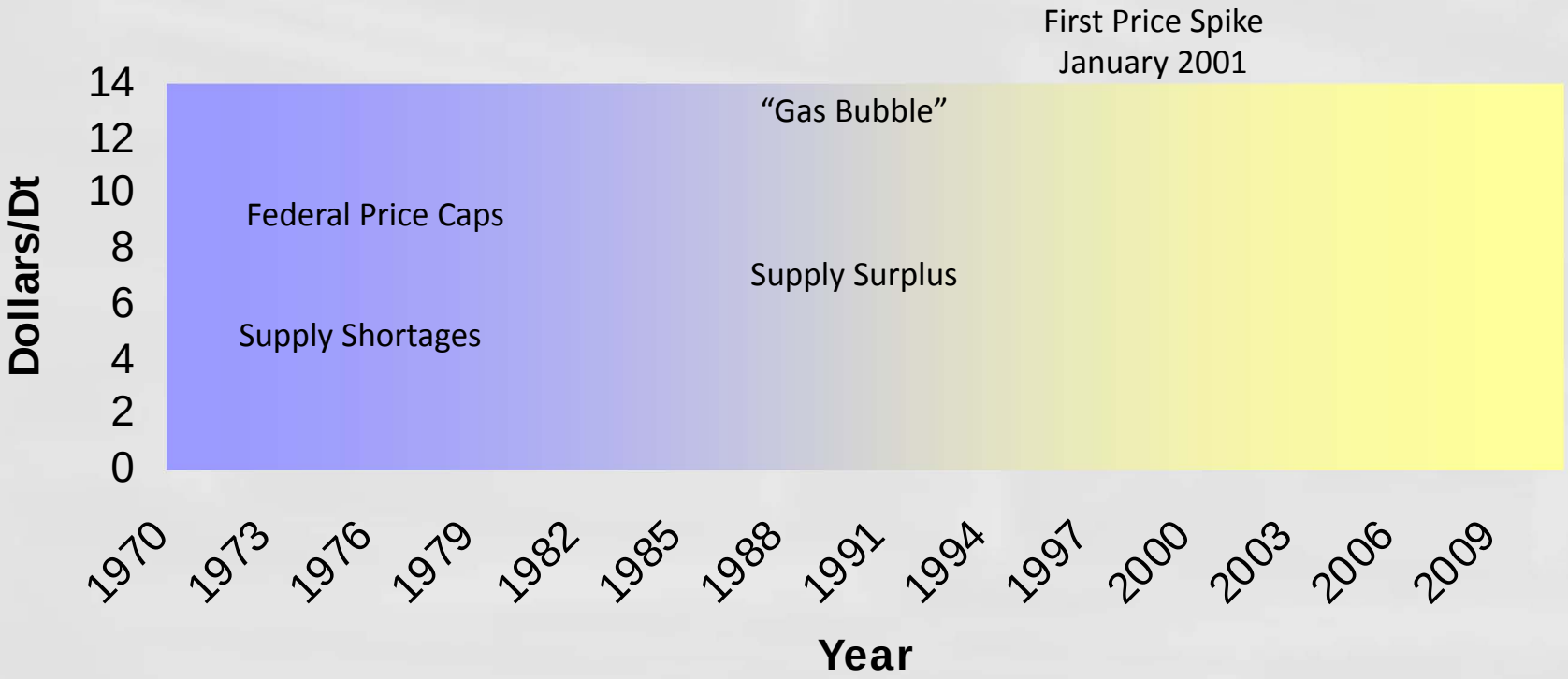
Price Volatility in the Last Forty Years



Wholesale Natural Gas Prices

Gulf Coast Natural Gas Well

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Elba Island, GA

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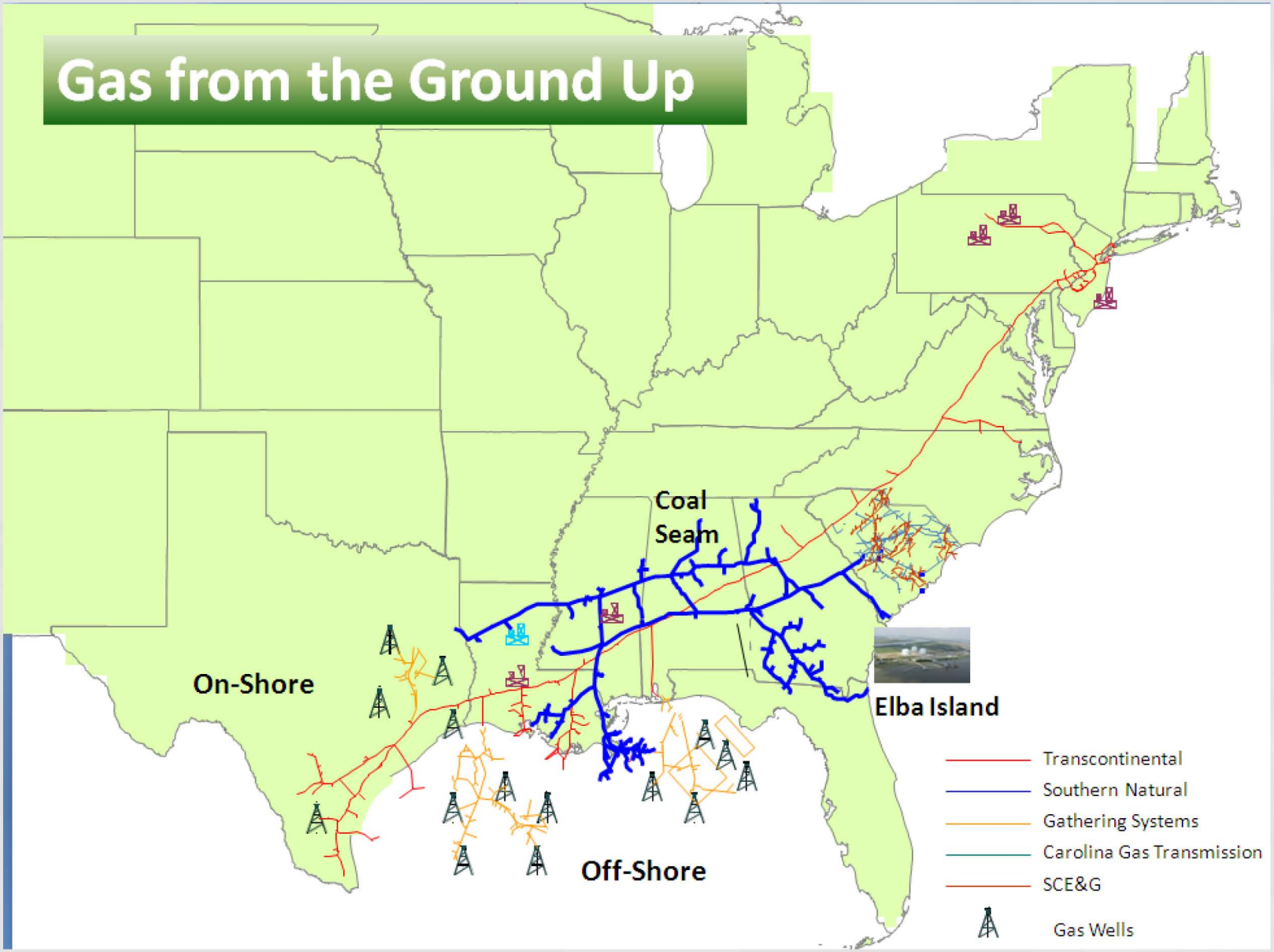
Gas from the Ground Up



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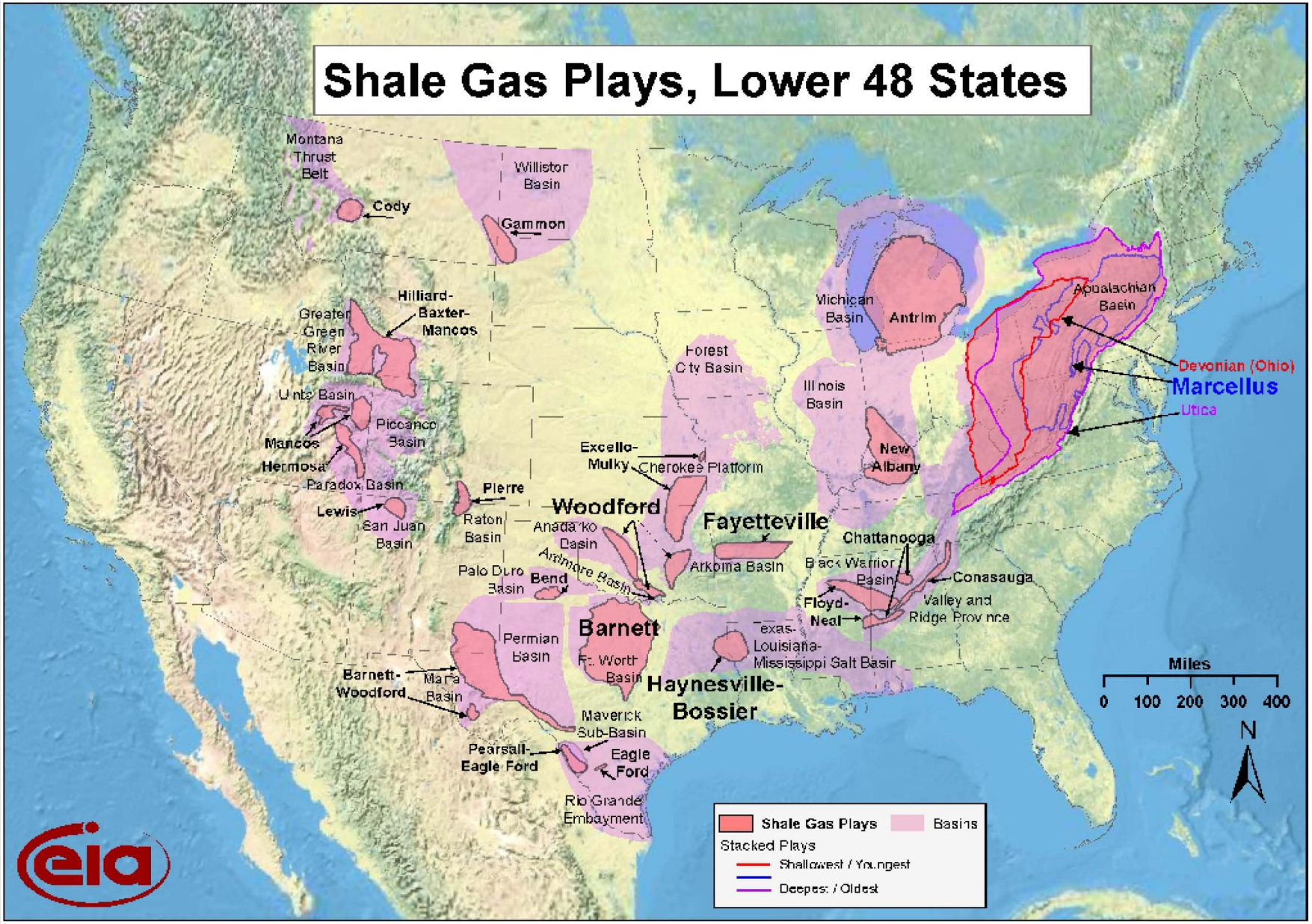

Source: Energy Information Administration, March 10, 2010 Study

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Daniel Island Gas Neighborhood, Charleston, SC

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