A new age of natural gas

How U.S. natural gas abundance is changing America's energy game.

Michael Linn
Executive Chairman
LINN Energy

anga
America's
Natural Gas
Alliance

America's Natural Gas Alliance

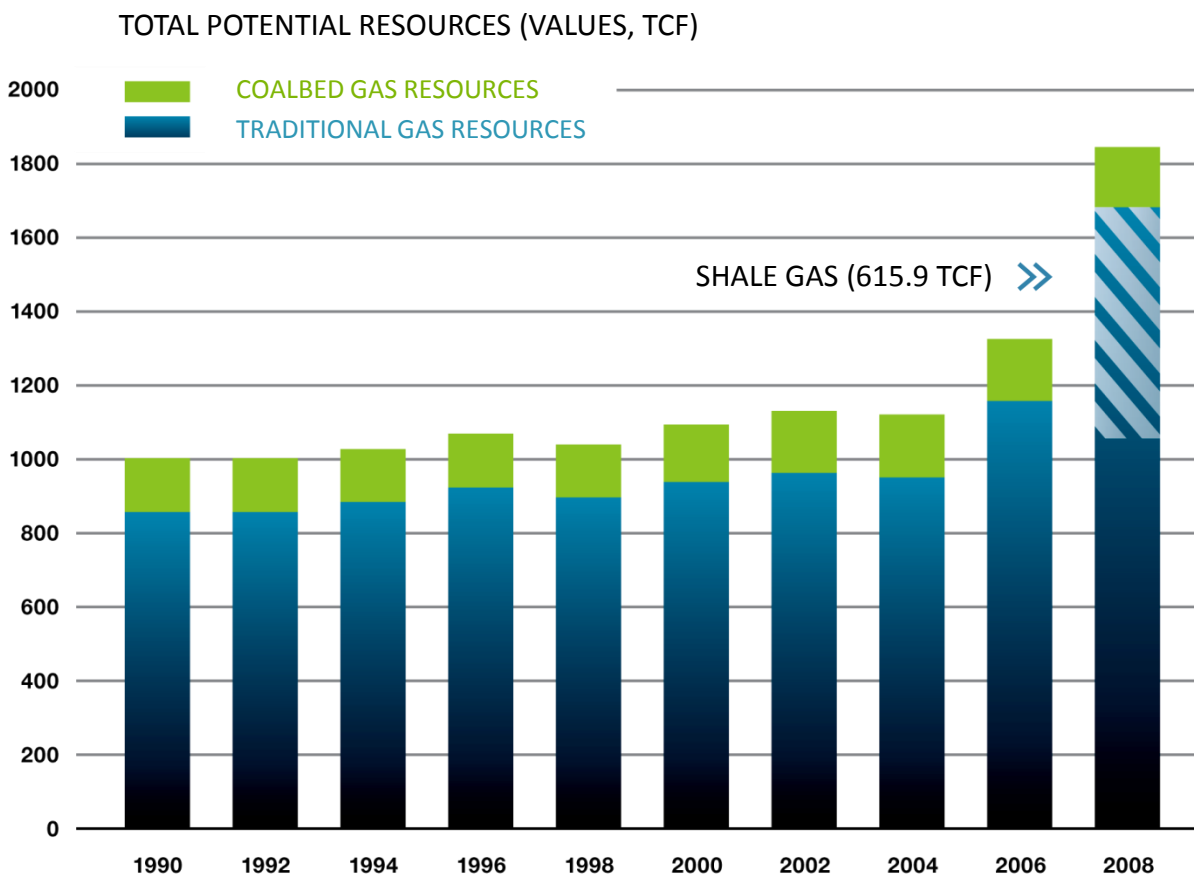
Anadarko Petroleum Corporation
Apache Corporation
BG Group
bhpbilliton
Bill Barrett Corporation
Cabot Oil & Gas Corporation
Chesapeake Energy
Cimarex
devon
elpaso
encana natural gas
Energen
eog resources
EQT Where energy meets innovation.
HighMount Exploration & Production LLC
Laredo Petroleum, Inc.
Linn Energy
Mariner Energy, Inc.
Newfield
noble energy
Petrohawk Energy Corporation
Pioneer Natural Resources
PXP Plains Exploration & Production Company
Questar
Quicksilver Resources
Range Resources
SandRidge Energy
Seneca Resources
St. Mary Land & Exploration Company
swn Southwestern Energy
Talisman Energy
Ultra Petroleum
Williams
XTO Energy
anga America's Natural Gas Alliance

Our Mission

ANGA exists to pursue a single mission: to increase appreciation for the environmental, economic and national security benefits of clean, abundant, dependable and cost-efficient American natural gas.

anga
America's
Natural Gas
Alliance

A New Age of U.S. Natural Gas Abundance



POTENTIAL GAS COMMITTEE REPORT, JUNE 2009

2,074.1
TCF OF FUTURE NAT GAS SUPPLY

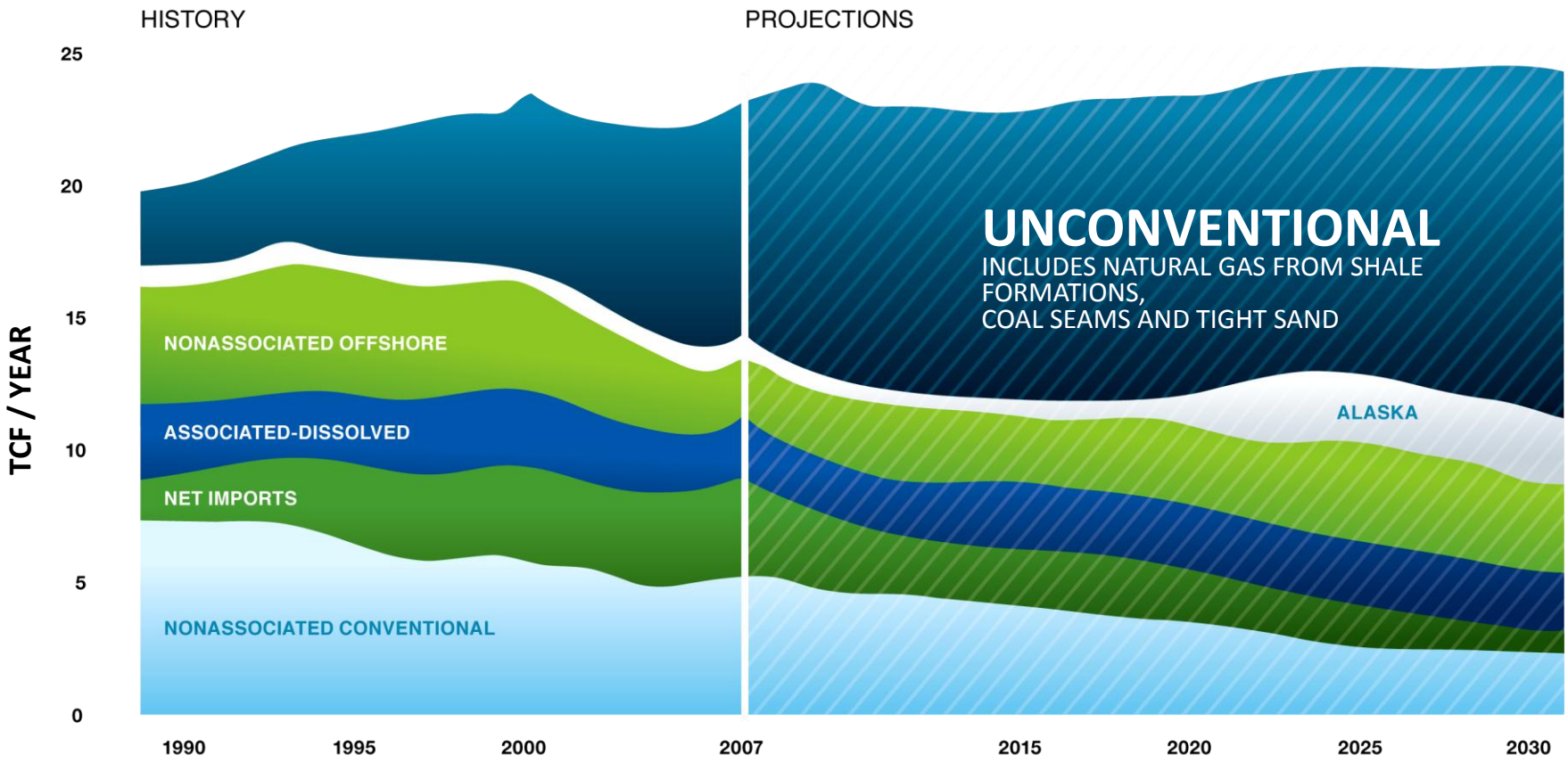
58%
INCREASE IN THE PAST 4 YEARS

100+ YEAR
SUPPLY OF NATURAL GAS, FOUND HERE IN THE UNITED STATES

237.7 Tcf
PROVED RESERVES

anga
America's Natural Gas Alliance

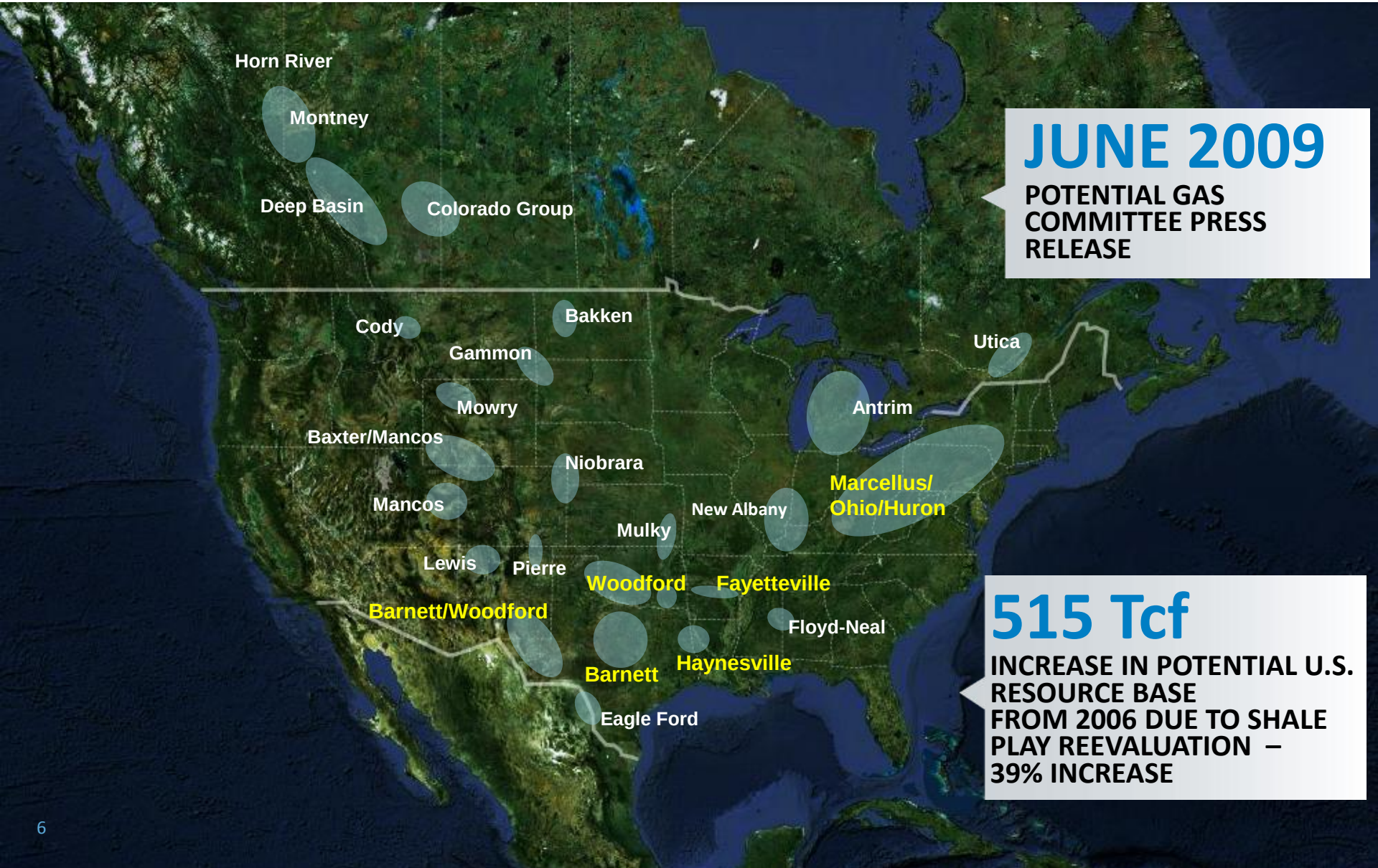
Total Natural Gas Supply Source



U.S. ENERGY INFORMATION ADMINISTRATION, ENERGY OUTLOOK 2009

anga America's Natural Gas Alliance

North American Shale Plays



JUNE 2009

POTENTIAL GAS COMMITTEE PRESS RELEASE

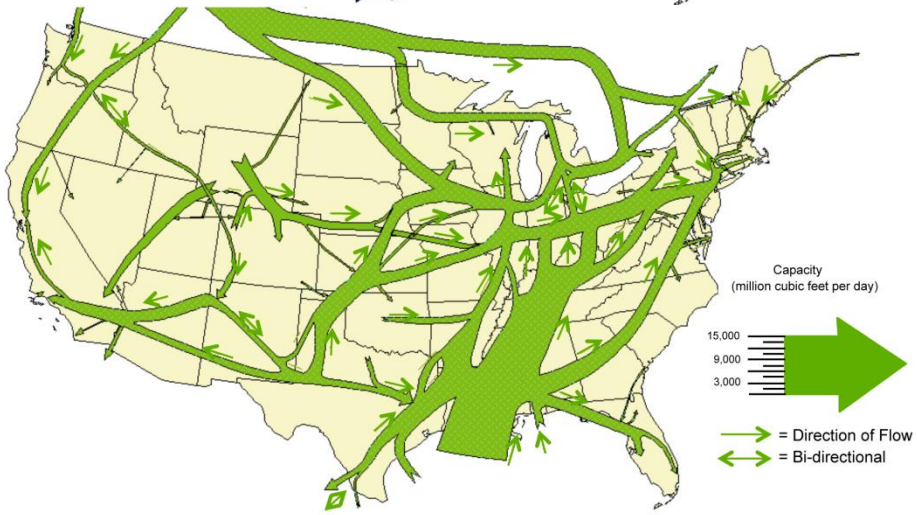
515 Tcf

INCREASE IN POTENTIAL U.S. RESOURCE BASE FROM 2006 DUE TO SHALE PLAY REEVALUATION – 39% INCREASE

Moving Gas to Market – Pipeline Additions 1998 – 2008

1998

2008



20,000 MILES

OF NEW NATURAL GAS TRANSMISSION PIPELINE

- **97 BCFD OF CAPACITY ADDED IN THE US IN THE LAST 10 YEARS**

MUCH OF THAT GROWTH WAS DRIVEN BY THE NEED TO:

ACCESS

NEW SUPPLY SOURCES:

- **IMPORTS FROM CANADA**
- **EXPANDING PRODUCTION FROM NEW NATURAL GAS FIELDS**

MEET INCREASED

DEMAND FROM NEW NATURAL-GAS-FIRED ELECTRIC POWER PLANTS.

The New Paradigm of Natural Gas

Abundant

Domestic

Clean

Partner to Renewables

Ready Now

anga
America's
Natural Gas
Alliance

anga
America's
Natural Gas
Alliance

Domestic

Partner to Renewables

DC Print Ads: ‘Staring Us in the Face’

One solution for cleaner, abundant domestic energy is staring us in the face.

We know we need more reliable, domestic sources of energy.

And we have one.

Today, the U.S. has more natural gas than Saudi Arabia has oil, giving us generations of this clean, domestic energy source.

And a stable supply means stable markets. According to the U.S. Energy Information Administration, the price of electricity from natural gas will remain stable for consumers over the next 25 years.

As Congress and the Administration look for ways toward a cleaner tomorrow, the answer is right here: America's natural gas.

It's the Natural Choice...now, and in the future.

www.anga.us

anga
America's Natural Gas Alliance

anga
America's Natural Gas Alliance

A new age of natural gas

www.anga.us/blog

Twitter: @angaus

anga

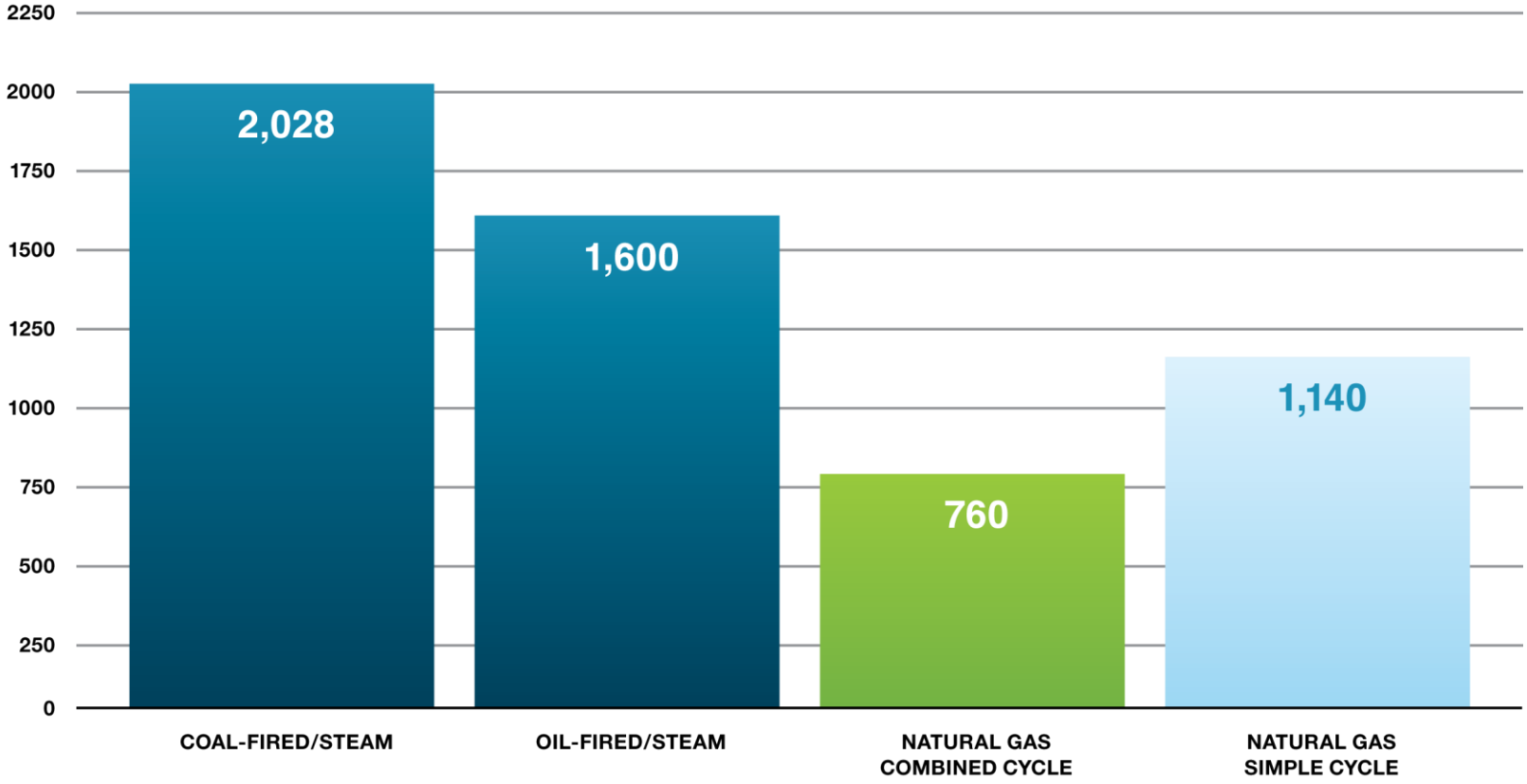
America's
Natural Gas
Alliance

America's Natural Gas Alliance

Anadarko Petroleum Corporation
Apache Corporation
BG Group
bhpbilliton
Bill Barrett Corporation
Cabot Oil & Gas Corporation
Chesapeake Energy
Cimarex
devon
elpaso
encana natural gas
Energen
eog resources
EQT Where energy meets innovation.
HighMount Exploration & Production LLC
Laredo Petroleum, Inc.
Linn Energy
Mariner Energy, Inc.
Newfield
noble energy
Petrohawk Energy Corporation
Pioneer Natural Resources
PXP Plains Exploration & Production Company
Questar
Quicksilver Resources
Range Resources
SandRidge Energy
Seneca Resources
St. Mary Land & Exploration Company
swn Southwestern Energy
Talisman Energy
Ultra Petroleum
Williams
XTO Energy
anga America's Natural Gas Alliance

Natural Gas is Cleaner

TYPICAL EMISSIONS FOR COAL-FIRED, OIL-FIRED, AND NATURAL GAS GENERATING PLANTS
(POUNDS PER MEGAWATT-HOUR)



U.S. ENERGY INFORMATION ADMINISTRATION, “NATURAL GAS ISSUES AND TRENDS,” 1998.
COMPUTED USING EIA DATE BASED ON THE FOLLOWING CONDITIONS:

A. COMBINED CYCLE (GAS/STEAM TURBINE PLANT) HEAT RATE OF 6,500 BTU/KW-HOUR (THERMAL EFFICIENCY=52.2%)
B. SIMPLE CYCLE (GAS TURBINE PLANT) HEAT RATE OF 9,750 BTU/KW-HOUR (THERMAL EFFICIENCY=35.0%)

anga
America's Natural Gas Alliance