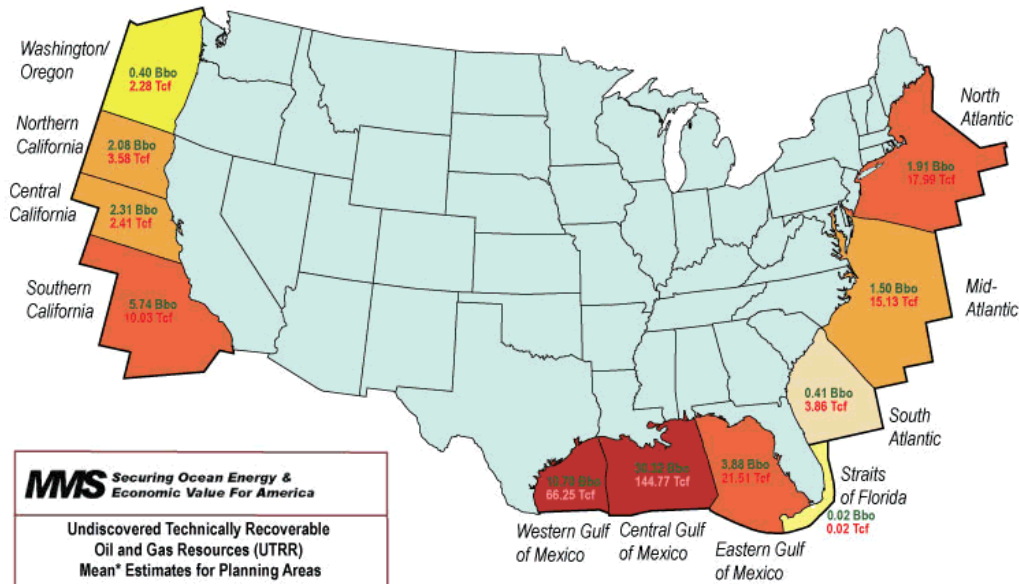


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**Virginia Manufacturing Development  
Commission  
August 22, 2008**

## Assessment of Undiscovered Technically Recoverable Oil and Gas Resources of the Nation's Outer Continental Shelf, 2006



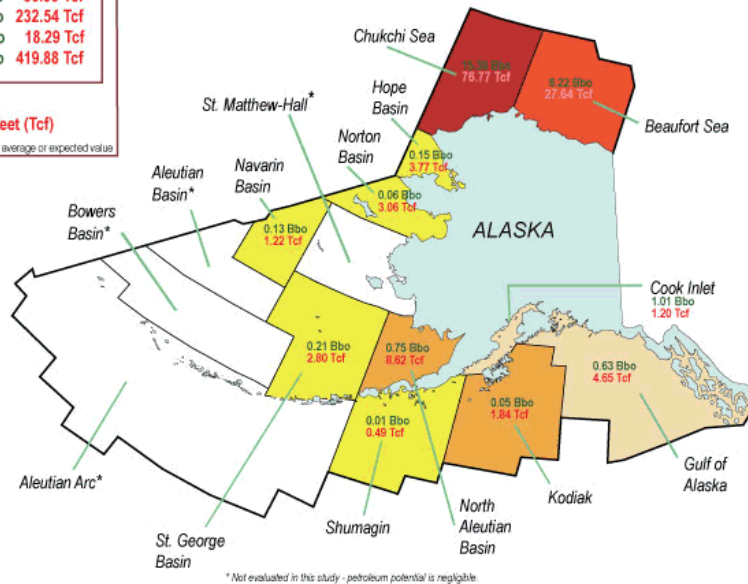
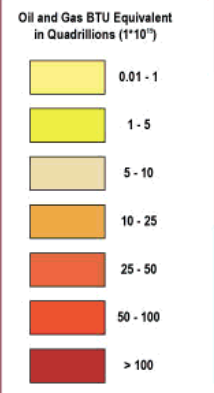
Mineral Management Service (MMS) estimates of natural gas resources in undiscovered fields on the OCS total 420 trillion cubic feet of gas.

**MMS** Securing Ocean Energy & Economic Value For America

Undiscovered Technically Recoverable Oil and Gas Resources (UTRR)  
Mean\* Estimates for Planning Areas

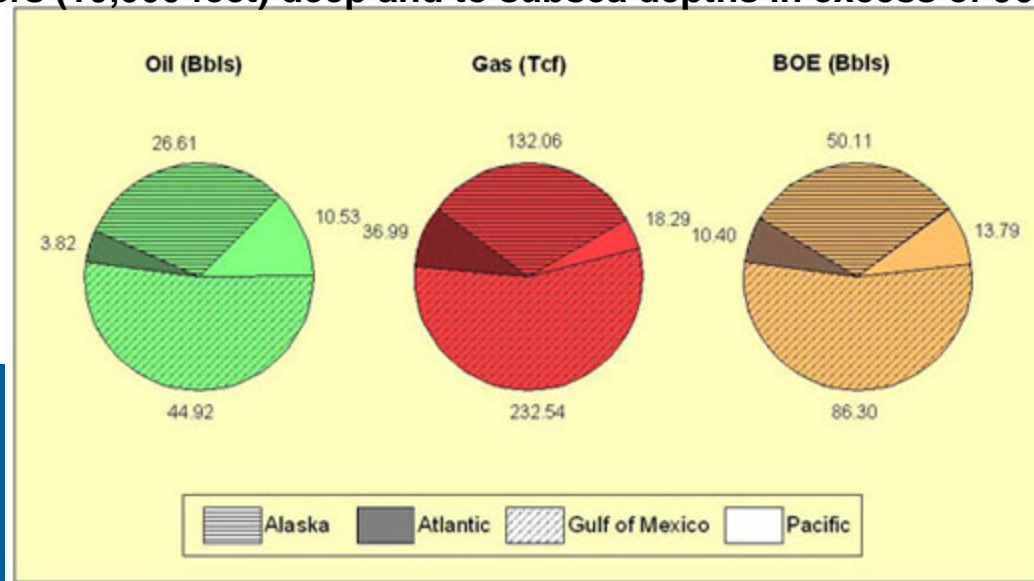
Regional Totals:			
Alaska OCS	26.61 Bbo	132.06 Tcf	
Atlantic OCS	3.82 Bbo	36.99 Tcf	
Gulf of Mexico OCS	44.92 Bbo	232.54 Tcf	
Pacific OCS	10.53 Bbo	18.29 Tcf	
<b>Total U.S. OCS</b>	<b>85.88 Bbo</b>	<b>419.88 Tcf</b>	

Oil in Billions of Barrels (Bbo)  
Natural Gas in Trillions of Cubic Feet (Tcf)  
\* Arithmetic average or expected value



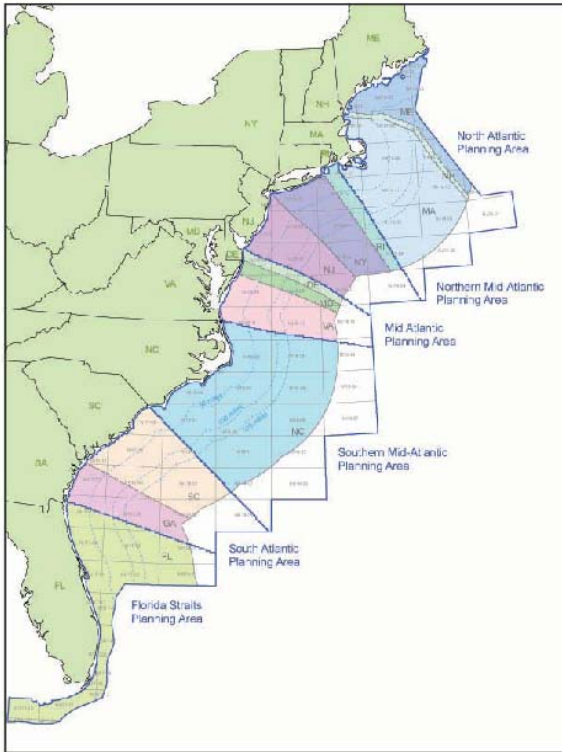
MMS has completed an assessment of the undiscovered technically recoverable resources (UTRR) underlying offshore waters on the Outer Continental Shelf (OCS).

- UTTR ranges from 66.6 to 115.3 billion barrels of oil and 326.4 to 565.9 trillion cubic feet of natural gas
- The mean or average estimate is 85.9 billion barrels of oil and 419.9 trillion cubic feet of natural gas
- These volumes of UTRR for the OCS represent about 60 percent of the total oil and 40 percent of the total natural gas estimated to be contained in undiscovered fields in the United States
- These estimates represent the potential quantities of undiscovered hydrocarbons that can be conventionally produced using existing or reasonably foreseeable technology, without any consideration of economic feasibility. Current technology includes drilling in water in excess of 3000 meters (10,000 feet) deep and to subsea depths in excess of 9600 meters (31,700 feet).



# Atlantic OCS estimates

Atlantic OCS Region State Adjacent Zones and OCS Planning Areas  
September 2005



- On the Atlantic coast, MMS estimates 36 trillion cubic feet of natural gas in the Atlantic OCS. Divided into 26 planning areas.
- Totals approximately 15.13 trillion cubic feet of gas in the Mid-Atlantic area.
- Va makes up 11% of the Mid-Atlantic area.