ANWR

JOBS, ENERGY, SECURITY
For
AMERICA
ANWR History

• 1960 - Arctic National Wildlife Refuge created - 8.9 million acres

• 1980 - Alaska National Interest Lands Conservation Act (ANILCA)
  – Doubled the size of ANWR to 19 million acres divided into 3 parts…
  – 8 million acre “Wilderness Area”
  – 9.5 million acre “Refuge Area”
  – 1.5 million acre “10-02” Coastal Plain Study Area
ANWR Close-up  99.99% Untouched!

2,000 acres < .01%
Maximum development surface footprint allowed by Congress

1.5 million acre “10-02 Area
Specifically set aside by Congress for analysis of oil and gas exploration

9.16 million acre “Refuge Area”
NO DEVELOPMENT ALLOWED

8 million acre “Wilderness Area”
NO DEVELOPMENT ALLOWED
Size Matters

ANWR - 19,000,000 acres

Alaska - 365,500,000 acres

Alaskan Federal Parklands - 146,700,000 acres

Maximum ANWR development footprint 2,000 acres
How BIG is 2000 Acres?

• 0.01% of ANWR
• 0.003% of AK’s national wildlife system
• 0.0005% of Alaska’s 365.6 million acres

• 70% smaller than LAX Airport, Los Angeles
• Fifteen times smaller than Disney World
• Equal to five one dollar bills on an NBA court
• 290 times smaller than Ted Turner’s Ranch in New Mexico
Benefits of ANWR Development to AMERICA

Increased Employment and Business Opportunities

Over $111 Billion in Federal Taxes and Royalties over 30 years, massively decreasing our national debt and boosting our economy.

Contracts for Billions of dollars in materials and services placed in all 50 states throughout the life of the field.

The creation of 250,000 - 750,000 jobs nationwide.
AMERICA’s SUPPORT for ANWR

The following government bodies have passed resolutions, proclamations stating their support for the opening of the Coastal Plain of ANWR to responsible oil and gas development.

The President of the United States
The United States Congress 1995

United States Department of Interior
Alaska State Legislature
Alabama State Legislature
Idaho State Legislature
Indiana State Legislature
Ohio State Senate
New Mexico State Senate
Tennessee State Legislature

Republican Governors Association

United States Department of Energy
Washington State Senate
Arkansas State Legislature
Illinois State House
Colorado State Legislature
Oregon State Legislators
South Carolina Legislature
Western States Coalition

United States Department of Interior
<table>
<thead>
<tr>
<th>AMERICA’s SUPPORT for ANWR</th>
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<tr>
<td><strong>ORGANIZATIONS FROM ALL WALKS OF LIFE SUPPORT ANWR</strong></td>
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<thead>
<tr>
<th>Organization Name</th>
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<tbody>
<tr>
<td>60 Plus Association</td>
<td>Air Transport Association</td>
<td>Alliance for Energy and Economic Growth</td>
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<tr>
<td>American Bus Association</td>
<td>American Conservative Union</td>
<td>American Farm Bureau Federation</td>
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<td>Americans for Tax Reform</td>
<td>Americans for the Preservation of Liberty</td>
<td>American Gas Association</td>
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<td>American Highway Users Alliance</td>
<td>American Land Rights Association</td>
<td>American Legislative Exchange Council</td>
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<td>American Moving and Storage Association</td>
<td>American Petroleum Institute</td>
<td>American Trucking Association</td>
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<tr>
<td>Associated Equipment Distributors</td>
<td>Associated General Contractors of America</td>
<td>Center for Individual Freedom</td>
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<tr>
<td>Boating Trades Assoc. of Metro. Houston</td>
<td>California Independent Petroleum Assoc.</td>
<td>Christian Coalition for America</td>
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<td>Citizens Alliance for Responsible Energy</td>
<td>Coalitions for America</td>
<td>Competitive Enterprise Institute</td>
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<tr>
<td>Congress for Racial Equality</td>
<td>Council of Republicans for Environmental Advocacy</td>
<td>Freedomworks</td>
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<tr>
<td>Energy Stewardship Alliance</td>
<td>Energy Consumers and Producers Assoc.</td>
<td>Equipment Manufacturers Institute</td>
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<tr>
<td>The Heritage Foundation</td>
<td>Independent Petroleum Assoc. of America</td>
<td>International Assoc. of Drilling Contractors</td>
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<tr>
<td>International Brotherhood of Teamsters</td>
<td>Jacksonville Marine Association</td>
<td>Lake Erie Marine Trades Association</td>
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<td>Marine Industry Association of Florida</td>
<td>Marine Retailers Association of America</td>
<td>Michigan Boating Industries Association</td>
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<tr>
<td>Montana Independent Automobile Dealers Assoc.</td>
<td>Mountain States Lumber and Building Material Dealers Assoc.</td>
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<tr>
<td>Motor Freight Carriers Assoc.</td>
<td>National Association of Counties</td>
<td>National Association of Manufacturers</td>
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<tr>
<td>National Black Chamber of Commerce</td>
<td>National Business Aviation Association</td>
<td>National Business Travel Association</td>
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<tr>
<td>National Cattlemen’s Beef Association</td>
<td>National Corn Growers Association</td>
<td>National Defense Council Foundation</td>
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<td>National Food Processors Association</td>
<td>National Foundation for Women Legislators Energy Sub-Committee</td>
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<tr>
<td>The National Grange</td>
<td>National Independent Automobile Dealers Association</td>
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<tr>
<td>National Industrial Transportation League</td>
<td>National Lumber and Building Material Dealers Association</td>
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<tr>
<td>National Taxpayers Union</td>
<td>National Truck Equipment Association</td>
<td>Petroleum Marketers Assoc. of America</td>
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<tr>
<td>New Mexico Independent Automobile Dealers Association</td>
<td>New York State Oil Producers Association</td>
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<td>Northwestern Lumber Association of South Dakota</td>
<td>Petroleum Equipment Suppliers Association</td>
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<td>RightMarch.com</td>
<td>Recreation Vehicle Industry Assoc.</td>
<td>Service Station Dealers Association</td>
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<td>Small Business &amp; Entrepreneurship Council</td>
<td>Small Business Survival Committee</td>
<td>South Dakota Cattlemen’s Association</td>
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<tr>
<td>South Dakota Chamber of Commerce</td>
<td>South Dakota Independent Automobile Dealers Association</td>
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<tr>
<td>Southern California Marine Association</td>
<td>Southwestern Peanut Growers Association</td>
<td>Texas Alliance of Energy Producers</td>
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Alaskan Organizations Support ANWR

Alaska State Legislature
Alaska Federation of Natives
City of Wrangell
Big Lake Community Council
City of Hoonah
Alaska Native Health Board
Anchorage Chamber of Commerce
Alaska Crab Coalition
Alaska Republican Party
Alaska AFL-CIO
Alaska branch- Society of Civil Engineers
Alaska Rural Electric Cooperative Assoc.
Alaska Trucking Association
Associated General Contractors of Alaska
Daughters of the American Revolution/AK
Arctic Slope Regional Corporation
North Slope Borough
City Council of Valdez
Bristol Bay Borough
Community of Ruby
Alaska State Chamber of Commerce
Greater Fairbanks Chamber of Commerce
Bristol Bay Driftnetters
Doyon Limited
Business and Professional Women / AK
Alaska Forest Association
Anchorage Central Labor Council
Alaska Women in Timber
The Boys Nation
Pro-Con Management Services
Kaktovik Inupiat Corporation
City of Kaktovik
City of Kotzebue
City and Borough of Sitka
Organized Village of Kwethluk
City of Wainwright
Big Lake Chamber of Commerce
Alaska Support Industry Alliance
Arctic Economic Development Summit
Alaska Oil and Gas Association
Alaska Miners Association
Alaska Railroad Corporation
Cooper Valley Electric Association
Universal Welding and Fabrication
Alaska Professional Sportsmen’s Assoc.

Alaska Municipal League
City of Anchorage
City of Nenana
Denali Borough
City of Kenai
City of Kodiak
City of Valdez
City of Anchorage Municipal Assembly
City & Borough of Juneau
City of Palmer
City of Whittier
Ketchikan Gateway Borough
Mayor of Nome
City of Soldotna
Kodiak Island Borough
City of Kivilina
City of Bethel
City of Homer
The USGS 1998 Study of the 10-02 Area predicts it is the best location in North America to find a super large field. Potentially, the largest oil field found in the western world in over 30 years.

1998 USGS predictions range from 5.7 to 16 billion barrels of recoverable oil.

2005 USGS update states modern technology will increase 1998 figures and lessen any impact on environment.
ANWR’s BIG POTENTIAL

**Does Not Include ANWR
Economic Impact

Between 1977 and 2004, North Slope oil field development and production activity directly contributed over **$50 billion** to the U.S. economy, impacting every state in the union.

**Dollar figures of estimated expenditures in America by BP Exploration, ConocoPhillips, and ARCO between 1977 to the present for their Alaskan oil field activities. This excludes royalties, foreign purchases, and payments that could not be allocated to a single state.**
THE U.S. WILL SPEND OVER $250 BILLION THIS YEAR ON IMPORTED OIL

OIL IMPORTS AS A PERCENTAGE OF NATIONAL SUPPLY

- 8% in 1947
- 37% in 1986
- 60% in 2005

THE U.S. WILL SPEND OVER $250 BILLION THIS YEAR ON IMPORTED OIL
ANWR Beats the Imports

ANWR vs. Average Daily Net Imported Crude Oil (2002)

ANWR's future potential average 1,369,863

Barrels per Day
National Security

• Importing over 60% of our oil makes us very vulnerable.

• During the 1973 oil crisis, the U.S. imported only 35% of its oil. The crisis was caused by a decline of only 3%.

• As imports grow, the U.S. becomes dangerously dependent on potentially unstable sources of oil.

• Katrina showed the value of the loss of 1 million bpd to America. This is the same amount ANWR could produce daily.

ANWR oil matters!
THE NEW ULTRA MINI OIL FIELD

- Current drill pads only 5 acres in size
- New elevated “Arctic Platforms” to replace gravel pads
- Island field design connected only by ice roads in winter.
- Over 65% reduction in field footprint
- Self sustaining unconnected production facilities.
ARCTIC DRILLING TECHNOLOGY
8 Mile drilling / Multilateral Wells

- Current rigs capable of drilling 8 mile radius
- Multilateral wells = one pipe tapping multiple fields
- Increased recovery rates above 65%
- New technology dramatically reduces footprint and extends field life
The
Before...... and...... After

of Ice Pad Drilling
THE CENTRAL ARCTIC CARIBOU HERD: UNDISTURBED BY PRUDHOE BAY DEVELOPMENT

“We met our first goal - to minimize adverse effects of development on caribou”

Dept. of Fish & Game - 2004 Central Arctic Herd Study
The Porcupine Caribou Herd

- ANWR opponents claim development will devastate the 123,000 member herd and its calving grounds.
- Since 1983, not once has high-density calving taken place in the 10-02 Area.
- Greatest threat to the herd is their harsh natural habitat -- a series of severe winters in the ‘90s depleted 15 percent of the herd.
- Second greatest existing threat to the herd is the Gwich’in Indians of Canada -- Gwich’in hunters kill 3,000 Porcupine Caribou each year.
The Gwich’in Indians

- Are NOT indigenous to the Coastal Plain -- some live south of ANWR, while the majority live in Canada.
- Actively sought oil production on their own lands three times -- unsuccessfully.
- Leased their entire tribal lands to Rouget Oil and Gas Corp. in 1980 with lax protection provisions for their now “sacred” caribou.
- National environmental organizations now provide the sustenance the Gwich’in couldn’t get from oil.
Alaskans Support Opening ANWR

• More than 75% of Alaskans favor exploration and production in ANWR.

• The Inupiat Eskimos who live in and near ANWR support onshore oil development.
Alaska Federation of Natives Favors ANWR Development

April 19, 2005

To Whom it May Concern:

The Alaska Federation of Natives (AFN) would like to thank you for your support of environmentally responsible exploration on the Coastal Plain of the Arctic National Wildlife Refuge. The AFN is the largest state-wide Native organization. Membership is comprised of tribal organizations, Native non-profit and for-profit corporations. At the 1995 AFN Convention, delegates passed resolution number 95-73 in support of legislation to open ANWR. Your vote for allowing responsible oil exploration on the ANWR Coastal Plain is a positive step towards energy and economic balance in our country.

The Alaska Native-owned Kaktovik Inupiat Corporation owns 92,000 acres in the “10-02” Area of ANWR. These lands are politically frozen until this issue is resolved. The only residents of ANWR—the Native people of Kaktovik—want to utilize their private lands as other Americans do. We are concerned that Native lands remain protected and used in an environmentally protected manner. Alaska has had 28 years of experience developing the Prudhoe Bay oil field in an environmentally sensitive manner. Prudhoe Bay has helped America immeasurably in energy and economic security. It has also helped the State to provide the resources to build schools, infrastructure and jobs.

We thank you and encourage you to press forward with positive ANWR legislation. Your vote is a vote for a brighter future for Americans and a brighter future for Alaskan Natives as a whole. Please call me if you have any questions.

Sincerely,

Albert Kooskin
Chairman – Alaska Federation of Natives
“NO”
Is not an Energy Plan!

• Energy is not immaculately conceived. You have to produce it.
• Alaskan oil and gas is the safest and cleanest produced in the world.
• ANWR is a win-win-win situation. The environment, the economy, our security, are all protected and improved.
Fact vs. Fiction

Cantwell Concoctions

• Oil development will ruin ANWR

• The Coastal Plain is our last “pristine” wilderness -- “America’s Serengeti.”

• Oil development and wildlife are not compatible. The Porcupine Caribou herd would be devastated.

• ANWR oil would only be a drop in the bucket. The best estimates are that ANWR might contain a 6-month supply of oil.

ANWR Actualities

• Development will be limited to 2000 acres. That’s 0.01% of the 19 million-acre refuge

• The Coastal Plain is a vast desert of frozen tundra - no trees, no mountains. There are roads, military installations, and a village of 300 Inupiat Eskimos.

• Oil development and wildlife conservation are not mutually exclusive. The Central Arctic Caribou herd at Prudhoe Bay has grown 1000% since development began.

• The mean estimate is 10.4 billion barrels of oil - twice the proven reserves of Texas. That’s equivalent to roughly 30 years worth of Saudi Oil imports.
ANWR at the Moment…

• The Senate passes a FY2007 Budget Resolution which included ANWR lease sales and revenue assumptions. March 9th, 2006. Status: currently stuck in Joint Conference Committee.

• The House of Representatives votes to open ANWR in a stand alone vote on May 25th, 2006. Status: Senate yet to act.

ARCTIC POWER

- Grass roots citizens action group
- Dedicated to opening the 10-02 Area of ANWR to responsible energy exploration
- Supported by the Alaska State Legislature and 10,000 individuals and organizations nationwide
- Washington, D.C. operations office Tel: 202-454-5229
- [www.anwr.org](http://www.anwr.org) or mail@anwr.org