

## The Effects of the Alaska Oil and Natural Gas Provisions of H.R. 4 and S.1766 on U.S. Energy

Table 1. Impact of Opening ANWR to Development								
	2015				2020			
	AEO 2002	Low ANWR	Mean ANWR	High ANWR	AEO 2002	Low ANWR	Mean ANWR	High ANWR
<b>Alaskan Crude Oil Production (million barrels per day)</b>	0.90	1.50	1.60	1.70	1.10	1.62	1.92	2.58 <sup>a</sup>
<b>Total U.S. Production (million barrels per day)</b>	5.56	6.14	6.24	6.33	5.63	6.13	6.41	7.06
<b>Net share of foreign oil<sup>b</sup></b>	61%	59%	58%	58%	62%	61%	60%	57%
<sup>a</sup> Production on Alaskan North Slope, including ANWR, exceeds historical pipeline capacity.								
<sup>b</sup> EIA uses net import figures to indicate the level of import relative to total supply, since it takes U.S. exports into account. (See James M. Kendell, "Measures of Oil Import Dependence," <i>Issues in Midterm Analysis and Forecasting 1998</i> .) In gross terms, the import percentages in 2020 are 66 percent in AEO2002, 61 percent in the high ANWR case, 63 percent in the mean ANWR case, and 65 percent in the low ANWR case.								
Source: anwr bs.d012202a, anwr lo.d012202a, anwr hi.d012202a, and aeo2002.d102001b.								

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<b>Table 2. Impact of Opening ANWR to Development under High and Low World Oil Prices</b>						
	<b>2015</b>			<b>2020</b>		
	AEO2002 High World Oil Price	High World Price, Mean ANWR Resources	High World Price, High ANWR Resources	AEO2002 High World Oil Price	High World Price, Mean ANWR Resources	High World Price, High ANWR Resources
<b>Alaskan Crude Oil Production (million barrels per day)</b>	0.92	1.62	1.71	1.12	1.93	2.59 <sup>a</sup>
<b>Total U.S. Production (million barrels per day)</b>	6.10	6.79	6.88	6.43	7.21	7.86
<b>Net share of foreign oil<sup>b</sup></b>	58%	54%	54%	57%	54%	52%
<sup>a</sup> Production on Alaskan North Slope, including ANWR, exceeds historical pipeline capacity.						
<sup>b</sup> In gross terms, the import percentages in 2020 are 61 percent in AEO2002 High World Oil Price Case, 58 percent in the High World Oil Price Mean ANWR Resource Case, and 56 percent in the High World Oil Price High ANWR Resource Case.						
Source: hanwrhwop.d020502a, hwanwrfd.d012802a, and hw2002.d102001b.						

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<b>Table 3. Impact of Opening ANWR to Development in Transportation High Technology Cases</b>						
	<b>2015</b>			<b>2020</b>		
	Transport High Tech Case	Transport High Tech, Mean ANWR Resources	Transport High Tech, High ANWR Resources	Transport High Tech Case	Transport High Tech, Mean ANWR Resources	Transport High Tech, High ANWR Resources
<b>Alaskan Crude Oil Production (million barrels per day)</b>	0.90	1.60	1.70	1.10	1.92	2.57 <sup>a</sup>
<b>Total U.S. Production (million barrels per day)</b>	5.56	6.17	6.26	5.63	6.39	7.02
<b>Net share of foreign oil<sup>b</sup></b>	60%	57%	57%	60%	57%	55%
<sup>a</sup> Production on Alaskan North Slope, including ANWR, exceeds historical pipeline capacity.						
<sup>b</sup> In gross terms, the import percentages in 2020 are 64 percent in Transportation High Technology Case, 61 percent in Transportation High Technology Mean ANWR Resource Case, and 59 percent in Transportation High Technology Case High ANWR Resource Case.						
Source: htrantec.d020402a, banwrldem.d020502a, hanwrldem.d020402c.						