

Addendum To:

***Economic Impacts of Proposed House/Senate
Energy Legislation on the U.S. Economy***

State-level Results



INTERNATIONAL

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This addendum reports state-specific results following from the recently released CRA International report entitled “*Economic Impacts of Proposed House/Senate Energy Legislation on the U.S. Economy*”, November 2007; the national report may be obtained from API, <http://www.api.org/Newsroom/energy-legis-economy.cfm>. The addendum provides estimated economic impacts for selected states of adopting seven key provisions of the House and Senate energy bills. The seven key energy provisions incorporated in the analysis are given below:

Provision	Description
Oil Savings Program	Would require reductions in oil use of 10 million barrels per day by 2031
Renewable Fuel Standard (RFS)	Would mandate 36 billion gallons of renewable fuel use by 2022
Tax Provisions	Would increase taxes on the oil industry by an estimated \$15 billion to fund renewable energy and energy efficiency programs
Price Gouging	Would prohibit gasoline “price gouging” during presidentially-declared emergencies and would establish penalties
Renewable Portfolio Standard (RPS)	Would require utilities to obtain 15% of their power from renewable sources by 2020; publicly-owned utilities and rural cooperatives would be exempted
Corporate Average Fuel Economy (CAFE) Standard	Would require minimum combined light vehicle standards of 35 miles per gallon by 2020
Access Restrictions	Would repeal some supply incentives of the Energy Policy Act of 2005, would add penalties for unpaid royalties, and impose access restrictions aimed at resource conservation

Prepared for API

States Examined

Alaska	Idaho	Nebraska
Arkansas	Kansas	New Hampshire
Arizona	Kentucky	Ohio
Colorado	Louisiana	Tennessee
Florida	Minnesota	Texas
Georgia	Mississippi	Virginia

Key Definitions

Employment Impact

Change in net non-farm jobs from baseline (includes jobs created by the production of renewable fuels and imposition of various mandates)

Household Purchasing Power Impact

Change in household purchasing power (or real income) from baseline (value represents effect on average U.S. household)

Gross State Product Impact

Change in the total value of goods and services produced within the state in a year, expressed as a percentage change from the baseline

Sector Definitions

Energy Intensive Sectors	Industries that rely heavily on energy as a production input (e.g. chemicals, cement)
Motor Vehicles and Related Parts	Production of motor vehicles and complementary products
Services	Non-goods producing sector
Manufactured Goods	Production and refinement of industrial and consumer goods (e.g. electronic components, machinery, textiles)

Alaska

Projected Economic Impacts of Proposed House/Senate Energy Legislation

	2010	2015	2020	2025	2030
Estimated Employment Impact (Non-farm Job Impacts)	1,687	-2,084	-8,298	-17,205	-23,551
Estimated Household Purchasing Power Impact (Cost per Household in 2007\$)	-\$2,222	-\$3,069	-\$3,913	-\$4,844	-\$6,150
Estimated Gross State Product Impact Percentage Change (%)	-0.8%	-1.6%	-3.3%	-5.6%	-7.3%

Projected State Sector Output Impacts in Year 2030 (Percentage change in output by industrial sector)				
	Energy Intensive Sectors	Motor Vehicles and Related Parts	Services	Manufactured Goods
Percentage Change (%)	-8.3%	NR	-3.5%	NR

Notes:

Impacts are measured relative to the baseline

A value "NR" indicates the size of the industry in the given state is too small to make meaningful conclusions based on the projected impacts

Arkansas

Projected Economic Impacts of Proposed House/Senate Energy Legislation

	2010	2015	2020	2025	2030
Estimated Employment Impact (Non-farm Job Impacts)	7,583	-5,206	-20,164	-28,797	-44,800
Estimated Household Purchasing Power Impact (Cost per Household in 2007\$)	-\$578	-\$777	-\$1,009	-\$1,276	-\$1,673
Estimated Gross State Product Impact Percentage Change (%)	-0.4%	-0.9%	-2.1%	-3.2%	-4.8%

Projected State Sector Output Impacts in Year 2030 (Percentage change in output by industrial sector)				
	Energy Intensive Sectors	Motor Vehicles and Related Parts	Services	Manufactured Goods
Percentage Change (%)	-5.9%	NR	-0.7%	-4.5%

Notes:

Impacts are measured relative to the baseline

A value "NR" indicates the size of the industry in the given state is too small to make meaningful conclusions based on the projected impacts

Arizona

Projected Economic Impacts of Proposed House/Senate Energy Legislation

	2010	2015	2020	2025	2030
Estimated Employment Impact (Non-farm Job Impacts)	-7,231	-19,246	-50,389	-61,524	-92,740
Estimated Household Purchasing Power Impact (Cost per Household in 2007\$)	\$316	\$119	-\$234	-\$438	-\$864
Estimated Gross State Product Impact Percentage Change (%)	0.1%	0.4%	-0.8%	-1.4%	-2.5%

Projected State Sector Output Impacts in Year 2030 (Percentage change in output by industrial sector)				
	Energy Intensive Sectors	Motor Vehicles and Related Parts	Services	Manufactured Goods
Percentage Change (%)	-3.5%	NR	-1.3%	-3.2%

Notes:

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Colorado

Projected Economic Impacts of Proposed House/Senate Energy Legislation

	2010	2015	2020	2025	2030
Estimated Employment Impact (Non-farm Job Impacts)	-9,952	-15,920	-33,645	-40,797	-57,464
Estimated Household Purchasing Power Impact (Cost per Household in 2007\$)	\$117	-\$110	-\$420	-\$695	-\$1,182
Estimated Gross State Product Impact Percentage Change (%)	-0.4%	-0.4%	-1.2%	-1.6%	-2.3%

Projected State Sector Output Impacts in Year 2030 (Percentage change in output by industrial sector)				
	Energy Intensive Sectors	Motor Vehicles and Related Parts	Services	Manufactured Goods
Percentage Change (%)	0.4%	NR	-0.6%	-0.7%

Notes:

Impacts are measured relative to the baseline

A value "NR" indicates the size of the industry in the given state is too small to make meaningful conclusions based on the projected impacts

Florida

Projected Economic Impacts of Proposed House/Senate Energy Legislation

	2010	2015	2020	2025	2030
Estimated Employment Impact (Non-farm Job Impacts)	1,037	-38,020	-127,070	-197,096	-263,441
Estimated Household Purchasing Power Impact (Cost per Household in 2007\$)	\$15	-\$249	-\$550	-\$846	-\$1,278
Estimated Gross State Product Impact Percentage Change (%)	-0.3%	0.0%	-0.8%	-1.8%	-2.8%

Projected State Sector Output Impacts in Year 2030 (Percentage change in output by industrial sector)				
	Energy Intensive Sectors	Motor Vehicles and Related Parts	Services	Manufactured Goods
Percentage Change (%)	-3.1%	NR	-0.9%	-2.8%

Notes:

Impacts are measured relative to the baseline

A value "NR" indicates the size of the industry in the given state is too small to make meaningful conclusions based on the projected impacts

Georgia

Projected Economic Impacts of Proposed House/Senate Energy Legislation

	2010	2015	2020	2025	2030
Estimated Employment Impact (Non-farm Job Impacts)	6,234	-20,382	-52,978	-87,046	-131,920
Estimated Household Purchasing Power Impact (Cost per Household in 2007\$)	-\$278	-\$547	-\$800	-\$1,171	-\$1,604
Estimated Gross State Product Impact Percentage Change (%)	-0.2%	-0.5%	-1.4%	-2.3%	-3.3%

Projected State Sector Output Impacts in Year 2030 (Percentage change in output by industrial sector)				
	Energy Intensive Sectors	Motor Vehicles and Related Parts	Services	Manufactured Goods
Percentage Change (%)	-3.7%	NR	-0.9%	-4.9%

Notes:

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A value “NR” indicates the size of the industry in the given state is too small to make meaningful conclusions based on the projected impacts

Idaho

Projected Economic Impacts of Proposed House/Senate Energy Legislation

	2010	2015	2020	2025	2030
Estimated Employment Impact (Non-farm Job Impacts)	-856	-3,637	-10,569	-14,787	-21,261
Estimated Household Purchasing Power Impact (Cost per Household in 2007\$)	-\$77	-\$300	-\$609	-\$877	-\$1,310
Estimated Gross State Product Impact Percentage Change (%)	-0.3%	-0.2%	-1.3%	-2.2%	-3.3%

Projected State Sector Output Impacts in Year 2030 (Percentage change in output by industrial sector)				
	Energy Intensive Sectors	Motor Vehicles and Related Parts	Services	Manufactured Goods
Percentage Change (%)	-3.9%	NR	-0.9%	-2.5%

Notes:

Impacts are measured relative to the baseline

A value “NR” indicates the size of the industry in the given state is too small to make meaningful conclusions based on the projected impacts

Kansas

Projected Economic Impacts of Proposed House/Senate Energy Legislation

	2010	2015	2020	2025	2030
Estimated Employment Impact (Non-farm Job Impacts)	-4,569	-13,626	-28,644	-37,456	-52,272
Estimated Household Purchasing Power Impact (Cost per Household in 2007\$)	-\$368	-\$635	-\$877	-\$1,252	-\$1,766
Estimated Gross State Product Impact Percentage Change (%)	-0.2%	-0.5%	-2.0%	-2.9%	-4.1%

Projected State Sector Output Impacts in Year 2030 (Percentage change in output by industrial sector)				
	Energy Intensive Sectors	Motor Vehicles and Related Parts	Services	Manufactured Goods
Percentage Change (%)	-3.4%	-3.1%	-1.1%	-3.5%

Notes:

Impacts are measured relative to the baseline

A value "NR" indicates the size of the industry in the given state is too small to make meaningful conclusions based on the projected impacts

Kentucky

Projected Economic Impacts of Proposed House/Senate Energy Legislation

	2010	2015	2020	2025	2030
Estimated Employment Impact (Non-farm Job Impacts)	10,053	-174	-36,483	-55,586	-86,092
Estimated Household Purchasing Power Impact (Cost per Household in 2007\$)	-\$897	-\$1,258	-\$1,329	-\$1,918	-\$2,480
Estimated Gross State Product Impact Percentage Change (%)	-0.2%	-0.2%	-2.3%	-3.7%	-5.8%

Projected State Sector Output Impacts in Year 2030 (Percentage change in output by industrial sector)				
	Energy Intensive Sectors	Motor Vehicles and Related Parts	Services	Manufactured Goods
Percentage Change (%)	-8.6%	-8.3%	-0.8%	-5.3%

Notes:

Impacts are measured relative to the baseline

A value "NR" indicates the size of the industry in the given state is too small to make meaningful conclusions based on the projected impacts

Louisiana

Projected Economic Impacts of Proposed House/Senate Energy Legislation

	2010	2015	2020	2025	2030
Estimated Employment Impact (Non-farm Job Impacts)	22,746	-17,122	-51,514	-91,843	-163,468
Estimated Household Purchasing Power Impact (Cost per Household in 2007\$)	-\$3,142	-\$3,834	-\$4,449	-\$5,252	-\$6,343
Estimated Gross State Product Impact Percentage Change (%)	-2.0%	-3.3%	-4.7%	-6.2%	-9.1%

Projected State Sector Output Impacts in Year 2030 (Percentage change in output by industrial sector)				
	Energy Intensive Sectors	Motor Vehicles and Related Parts	Services	Manufactured Goods
Percentage Change (%)	-12.0%	NR	-2.9%	-5.0%

Notes:

Impacts are measured relative to the baseline

A value "NR" indicates the size of the industry in the given state is too small to make meaningful conclusions based on the projected impacts

Minnesota

Projected Economic Impacts of Proposed House/Senate Energy Legislation

	2010	2015	2020	2025	2030
Estimated Employment Impact (Non-farm Job Impacts)	1,339	-17,489	-35,971	-51,811	-74,950
Estimated Household Purchasing Power Impact (Cost per Household in 2007\$)	-\$202	-\$509	-\$817	-\$1,184	-\$1,711
Estimated Gross State Product Impact Percentage Change (%)	-0.1%	-0.7%	-1.4%	-2.1%	-2.9%

Projected State Sector Output Impacts in Year 2030 (Percentage change in output by industrial sector)				
	Energy Intensive Sectors	Motor Vehicles and Related Parts	Services	Manufactured Goods
Percentage Change (%)	-2.0%	NR	-0.7%	-1.8%

Notes:

Impacts are measured relative to the baseline

A value “NR” indicates the size of the industry in the given state is too small to make meaningful conclusions based on the projected impacts

Mississippi

Projected Economic Impacts of Proposed House/Senate Energy Legislation

	2010	2015	2020	2025	2030
Estimated Employment Impact (Non-farm Job Impacts)	3,318	-11,397	-27,427	-37,959	-56,081
Estimated Household Purchasing Power Impact (Cost per Household in 2007\$)	-\$732	-\$994	-\$1,264	-\$1,597	-\$2,106
Estimated Gross State Product Impact Percentage Change (%)	-0.3%	-0.9%	-2.3%	-3.7%	-5.4%

Projected State Sector Output Impacts in Year 2030 (Percentage change in output by industrial sector)				
	Energy Intensive Sectors	Motor Vehicles and Related Parts	Services	Manufactured Goods
Percentage Change (%)	-7.4%	NR	-0.8%	-4.6%

Notes:

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Nebraska

Projected Economic Impacts of Proposed House/Senate Energy Legislation

	2010	2015	2020	2025	2030
Estimated Employment Impact (Non-farm Job Impacts)	-1,927	-6,788	-14,134	-18,193	-25,544
Estimated Household Purchasing Power Impact (Cost per Household in 2007\$)	\$267	\$0	-\$275	-\$539	-\$935
Estimated Gross State Product Impact Percentage Change (%)	0.0%	-0.2%	-1.0%	-1.6%	-2.7%

Projected State Sector Output Impacts in Year 2030 (Percentage change in output by industrial sector)				
	Energy Intensive Sectors	Motor Vehicles and Related Parts	Services	Manufactured Goods
Percentage Change (%)	-2.2%	NR	-1.1%	-3.9%

Notes:

Impacts are measured relative to the baseline

A value “NR” indicates the size of the industry in the given state is too small to make meaningful conclusions based on the projected impacts

New Hampshire

Projected Economic Impacts of Proposed House/Senate Energy Legislation

	2010	2015	2020	2025	2030
Estimated Employment Impact (Non-farm Job Impacts)	-716	-5,176	-18,419	-20,021	-26,497
Estimated Household Purchasing Power Impact (Cost per Household in 2007\$)	\$85	-\$324	-\$746	-\$1,062	-\$1,641
Estimated Gross State Product Impact Percentage Change (%)	-0.2%	0.2%	-0.8%	-1.7%	-2.9%

Projected State Sector Output Impacts in Year 2030				
(Percentage change in output by industrial sector)				
	Energy Intensive Sectors	Motor Vehicles and Related Parts	Services	Manufactured Goods
Percentage Change (%)	-5.2%	NR	-1.2%	-3.7%

Notes:

Impacts are measured relative to the baseline

A value "NR" indicates the size of the industry in the given state is too small to make meaningful conclusions based on the projected impacts

Ohio

Projected Economic Impacts of Proposed House/Senate Energy Legislation

	2010	2015	2020	2025	2030
Estimated Employment Impact (Non-farm Job Impacts)	-2,849	-24,729	-96,067	-133,087	-185,852
Estimated Household Purchasing Power Impact (Cost per Household in 2007\$)	-\$179	-\$442	-\$567	-\$981	-\$1,452
Estimated Gross State Product Impact Percentage Change (%)	0.0%	-0.1%	-1.5%	-2.3%	-3.6%

Projected State Sector Output Impacts in Year 2030 (Percentage change in output by industrial sector)				
	Energy Intensive Sectors	Motor Vehicles and Related Parts	Services	Manufactured Goods
Percentage Change (%)	-4.3%	-5.2%	-0.9%	-3.7%

Notes:

Impacts are measured relative to the baseline

A value “NR” indicates the size of the industry in the given state is too small to make meaningful conclusions based on the projected impacts

Tennessee

Projected Economic Impacts of Proposed House/Senate Energy Legislation

	2010	2015	2020	2025	2030
Estimated Employment Impact (Non-farm Job Impacts)	3,878	-20,087	-46,251	-68,992	-100,694
Estimated Household Purchasing Power Impact (Cost per Household in 2007\$)	-\$251	-\$547	-\$669	-\$1,028	-\$1,499
Estimated Gross State Product Impact Percentage Change (%)	0.0%	-0.5%	-1.8%	-2.7%	-3.9%

Projected State Sector Output Impacts in Year 2030 (Percentage change in output by industrial sector)				
	Energy Intensive Sectors	Motor Vehicles and Related Parts	Services	Manufactured Goods
Percentage Change (%)	-4.7%	-4.4%	-1.0%	-3.6%

Notes:

Impacts are measured relative to the baseline

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Texas

Projected Economic Impacts of Proposed House/Senate Energy Legislation

	2010	2015	2020	2025	2030
Estimated Employment Impact (Non-farm Job Impacts)	50,588	-59,277	-157,680	-320,339	-587,993
Estimated Household Purchasing Power Impact (Cost per Household in 2007\$)	-\$1,740	-\$2,198	-\$2,693	-\$3,306	-\$4,113
Estimated Gross State Product Impact Percentage Change (%)	-1.6%	-2.1%	-2.7%	-4.1%	-6.5%

Projected State Sector Output Impacts in Year 2030 (Percentage change in output by industrial sector)				
	Energy Intensive Sectors	Motor Vehicles and Related Parts	Services	Manufactured Goods
Percentage Change (%)	-6.9%	NR	-2.2%	-0.8%

Notes:

Impacts are measured relative to the baseline

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Virginia

Projected Economic Impacts of Proposed House/Senate Energy Legislation

	2010	2015	2020	2025	2030
Estimated Employment Impact (Non-farm Job Impacts)	2,918	-15,906	-46,472	-74,525	-110,168
Estimated Household Purchasing Power Impact (Cost per Household in 2007\$)	-\$86	-\$431	-\$771	-\$1,105	-\$1,607
Estimated Gross State Product Impact Percentage Change (%)	-0.1%	-0.2%	-1.1%	-1.9%	-3.0%

Projected State Sector Output Impacts in Year 2030 (Percentage change in output by industrial sector)				
	Energy Intensive Sectors	Motor Vehicles and Related Parts	Services	Manufactured Goods
Percentage Change (%)	-3.3%	NR	-0.8%	-4.5%

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