

**AMENDMENT TO H.R. 364**  
**OFFERED BY MR. LAMPSON OF TEXAS, MS. GIFFORDS OF ARIZONA, AND MR. BARTLETT OF MARYLAND**

Page 3, line 13, through page 4, line 2, amend subsection (b) to read as follows:

1       (b) GOALS.—The goals of ARPA-E are to enhance  
2 the Nation’s economic and energy security through reduc-  
3 tions in imports of energy from foreign sources, to reduce  
4 emissions of greenhouse gases from the energy and indus-  
5 trial sectors, to improve energy efficiency of all economic  
6 sectors, and to ensure that the United States maintains  
7 a technological lead in developing and deploying energy  
8 technologies. ARPA-E will achieve this by—

9           (1) identifying and promoting revolutionary ad-  
10 vances in fundamental sciences with potential energy  
11 and environmental applications;

12           (2) translating scientific discoveries and cut-  
13 ting-edge engineering innovations into technologies  
14 that promote energy security and sound environ-  
15 mental stewardship; and

16           (3) accelerating the market adoption of trans-  
17 formational technological advances in areas such as

1 alternative fuels and transportation technology, en-  
2 ergy efficiency, electricity production and infrastruc-  
3 ture, and carbon capture and sequestration.

Page 4, line 5, insert “No other programs within the Department of Energy shall report to the Director of ARPA-E.” after “report to the Secretary.”.

Page 4, line 9, insert “research foundations, trade and industry research collaborations,” after “companies,”.

Page 4, lines 13 through 19, strike paragraphs (1), (2), and (3) and insert the following:

- 4 (1) novel early-stage energy research with pos-  
5 sible technology applications;  
6 (2) development of techniques, processes, and  
7 technologies, and related testing and evaluation;  
8 (3) development of manufacturing processes for  
9 technologies; and  
10 (4) demonstration and coordination with non-  
11 governmental entities for commercial applications of  
12 technologies and research applications.

Page 5, line 1, insert “report directly to the Director of ARPA-E, and shall” after “managers shall”.

Page 5, line 10, insert “alone” after “private sector”.

Page 5, lines 12 and 23, redesignate subparagraphs (C) and (D) as subparagraphs (D) and (E), respectively.

Page 5, after line 11, insert the following new subparagraph:

1                   (C) building research collaborations for  
2                   carrying out the program;

Page 5, line 24, insert “, adding new participants, and terminating research partnerships or whole projects that do not show promise” after “under the program”.

Page 6, line 8, strike “5” and insert “3”.

Page 6, line 9, insert “In hiring initial staff the Secretary shall give preference to applicants with experience in the Defense Advanced Research Projects Agency, or private sector technology development.” after “any extension.”.

Page 6, lines 10 through 13, strike subsection (f) and insert the following:

3           (f) COORDINATION AND NONDUPLICATION.—To the  
4 extent practicable, the Director shall ensure that the ac-  
5 tivities of ARPA-E are coordinated with, and do not dupli-

1 cate the efforts of, existing programs and laboratories  
2 within the Department of Energy and other relevant re-  
3 search agencies. Where appropriate, the Director may co-  
4 ordinate technology transfer efforts with the Technology  
5 Transfer Coordinator established in section 1001 of the  
6 Energy Policy Act of 2005 (42 U.S.C. 16391).

7 (g) FEDERAL USE OF TECHNOLOGIES.—The Sec-  
8 retary shall seek opportunities to utilize Federal agencies'  
9 purchasing and procurement programs to demonstrate  
10 technologies resulting from activities funded through  
11 ARPA-E and to facilitate their entry into private markets.

Page 6, line 23, strike “\$375,000,000” and insert  
“\$1,000,000,000”.

Page 6, line 24, strike “\$468,000,000” and insert  
“\$1,100,000,000”.

Page 6, line 24, strike “\$585,000,000” and insert  
“\$1,200,000,000”.

Page 6, line 25, strike “\$732,000,000” and insert  
“\$1,300,000,000”.

Page 7, line 1, strike “\$915,000,000” and insert  
“\$1,400,000,000”.

Page 7, after line 2, insert the following new sub-  
section:

1 (c) ALLOCATION.—Of the amounts appropriated for  
2 a fiscal year under subsection (b)—

3 (1) not more than 50 percent shall be for activi-  
4 ties under section 2(d)(4);

5 (2) not more than 8 percent shall be made  
6 available to Federally Funded Research and Devel-  
7 opment Centers;

8 (3) not more than 10 percent may be used for  
9 administrative expenses; and

10 (4) during the first 5 years of operation of  
11 ARPA-E, no funds may be used for construction of  
12 new buildings or facilities.