

AMENDMENT TO H.R. 2454
OFFERED BY MS. BALDWIN OF WISCONSIN

At the end of subtitle D of title II, add the following
new section:

1 **SEC. 244. MOTOR MARKET ASSESSMENT AND COMMERCIAL**
2 **AWARENESS PROGRAM.**

3 (a) **FINDINGS.**—Congress finds that—

4 (1) electric motor systems account for about
5 half of the electricity used in the United States;

6 (2) electric motor energy use is determined by
7 both the efficiency of the motor and the system in
8 which the motor operates;

9 (3) Federal Government research on motor end
10 use and efficiency opportunities is more than a dec-
11 ade old; and

12 (4) the Census Bureau has discontinued collec-
13 tion of data on motor and generator importation,
14 manufacture, shipment, and sales.

15 (b) **DEFINITIONS.**—In this section:

16 (1) **DEPARTMENT.**—The term “Department”
17 means the Department of Energy.

18 (2) **INTERESTED PARTIES.**—The term “inter-
19 ested parties” includes—

- 1 (A) trade associations;
- 2 (B) motor manufacturers;
- 3 (C) motor end users;
- 4 (D) electric utilities; and
- 5 (E) individuals and entities that conduct
- 6 energy efficiency programs.

7 (3) SECRETARY.—The term “Secretary” means

8 the Secretary of Energy, in consultation with inter-

9 ested parties.

10 (c) ASSESSMENT.—The Secretary shall conduct an

11 assessment of electric motors and the electric motor mar-

12 ket in the United States that shall—

13 (1) include important subsectors of the indus-

14 trial and commercial electric motor market (as de-

15 termined by the Secretary), including—

16 (A) the stock of motors and motor-driven

17 equipment;

18 (B) efficiency categories of the motor pop-

19 ulation; and

20 (C) motor systems that use drives, servos,

21 and other control technologies;

22 (2) characterize and estimate the opportunities

23 for improvement in the energy efficiency of motor

24 systems by market segment, including opportunities

25 for—

1 (A) expanded use of drives, servos, and
2 other control technologies;

3 (B) expanded use of process control,
4 pumps, compressors, fans or blowers, and mate-
5 rial handling components; and

6 (C) substitution of existing motor designs
7 with existing and future advanced motor de-
8 signs, including electronically commutated per-
9 manent magnet, interior permanent magnet,
10 and switched reluctance motors; and

11 (3) develop an updated profile of motor system
12 purchase and maintenance practices, including sur-
13 veying the number of companies that have motor
14 purchase and repair specifications, by company size,
15 number of employees, and sales.

16 (d) RECOMMENDATIONS; UPDATE.—Based on the as-
17 sessment conducted under subsection (c), the Secretary
18 shall—

19 (1) develop—

20 (A) recommendations to update the de-
21 tailed motor profile on a periodic basis;

22 (B) methods to estimate the energy sav-
23 ings and market penetration that is attributable
24 to the Save Energy Now Program of the De-
25 partment; and

1 (C) recommendations for the Director of
2 the Census Bureau on market surveys that
3 should be undertaken in support of the motor
4 system activities of the Department; and

5 (2) prepare an update to the Motor Master+
6 program of the Department.

7 (e) PROGRAM.—Based on the assessment, rec-
8 ommendations, and update required under subsections (c)
9 and (d), the Secretary shall establish a proactive, national
10 program targeted at motor end-users and delivered in co-
11 operation with interested parties to increase awareness
12 of—

13 (1) the energy and cost-saving opportunities in
14 commercial and industrial facilities using higher effi-
15 ciency electric motors;

16 (2) improvements in motor system procurement
17 and management procedures in the selection of high-
18 er efficiency electric motors and motor-system com-
19 ponents, including drives, controls, and driven equip-
20 ment; and

21 (3) criteria for making decisions for new, re-
22 placement, or repair motor and motor system com-
23 ponents.

