

Bonior
Borski
Boucher
Brewster
Browder
Brown (CA)
Brown (FL)
Brown (OH)
Bryant (TX)
Cardin
Chapman
Clayton
Clement
Clyburn
Coburn
Coleman
Collins (IL)
Collins (MI)
Condit
Conyers
Costello
Coyne
Cramer
Cunningham
Danner
de la Garza
DeFazio
DeLauro
Dellums
Deutsch
Dicks
Dingell
Dixon
Doggett
Dooley
Duncan
Durbin
Edwards
Engel
Ensign
Eshoo
Evans
Farr
Fazio
Fields (LA)
Filner
Flake
Foglietta
Ford
Frank (MA)
Frost
Funderburk
Furse
Gejdenson
Gephardt
Geren
Gibbons
Gonzalez
Gordon
Green
Greenwood
Gutierrez
Hall (OH)
Hall (TX)

Hamilton
Harman
Hastings (FL)
Hayes
Hefley
Hefner
Hinchey
Hoyer
Jackson-Lee
Jacobs
Jefferson
Johnson (SD)
Johnson, E. B.
Johnston
Kanjorski
Kennedy (MA)
Kennedy (RI)
Kennelly
Kildee
Kleczka
Klug
LaFalce
Lantos
Levin
Lewis (GA)
Lincoln
Lipinski
Lofgren
Lowey
Luther
Maloney
Manton
Markey
Martinez
Mascara
Matsui
McCarthy
McDermott
McHugh
McKinney
McNulty
Meehan
Meek
Metcalf
Mfume
Miller (CA)
Mineta
Minge
Mink
Montgomery
Nadler
Neal
Nethercutt
Oberstar
Obey
Olver
Ortiz
Orton
Owens
Packard
Pallone
Parker
Pastor
Payne (NJ)

Payne (VA)
Peterson (FL)
Peterson (MN)
Pomeroy
Porter
Poshard
Rahall
Ramstad
Rangel
Reed
Reynolds
Richardson
Rivers
Roemer
Rose
Roybal-Allard
Rush
Sabo
Sanders
Sanford
Sawyer
Scarborough
Schroeder
Schumer
Scott
Serrano
Sisisky
Skaggs
Slaughter
Smith (NJ)
Spratt
Stark
Stenholm
Stokes
Studds
Stupak
Tanner
Tauzin
Taylor (MS)
Tejeda
Thornton
Thurman
Tiahrt
Torres
Torricelli
Towns
Traficant
Tucker
Velazquez
Vento
Visclosky
Volkmer
Walsh
Ward
Waters
Watt (NC)
Waxman
Whitfield
Williams
Woolsey
Wyden
Wynn
Yates
Zimmer

Houghton
Hunter
Hutchinson
Hyde
Inglis
Johnson (CT)
Johnson, Sam
Jones
Kaptur
Kasich
Kelly
Kim
King
Kingston
Klink
Knollenberg
Kolbe
LaHood
Largent
Latham
LaTourette
Laughlin
Lazio
Leach
Lewis (CA)
Lewis (KY)
Lightfoot
Linder
Livingston
LoBiondo
Longley
Lucas
Manzullo
Martini
McCollum
McCreary
McDade
McHale

McInnis
McIntosh
McKeon
Meyers
Mica
Miller (FL)
Molinari
Mollohan
Moorehead
Morella
Murtha
Myers
Myrick
Neumann
Nussle
Oxley
Paxon
Petri
Pickett
Pombo
Portman
Pryce
Quillen
Quinn
Radanovich
Regula
Riggs
Roberts
Rohrabacher
Roth
Roukema
Royce
Salmon
Schaefer
Schiff
Seastrand
Sensenbrenner

Shadegg
Shaw
Shays
Shuster
Skeen
Skelton
Smith (MI)
Smith (TX)
Smith (WA)
Solomon
Souder
Spence
Stearns
Stockman
Stump
Talent
Tate
Taylor (NC)
Thomas
Thornberry
Torkildsen
Upton
Vucanovich
Waldholtz
Walker
Wamp
Watts (OK)
Weldon (FL)
Weldon (PA)
Weller
White
Wicker
Wolf
Young (AK)
Young (FL)
Zeliff

McCarthy
McDermott
McHale
McKinney
Meek
Mfume
Miller (CA)
Mineta
Mink
Mollohan
Murtha
Nadler
Neal
Oberstar
Olver
Ortiz
Owens
Pallone
Pastor
Payne (NJ)
Pelosi
Pomeroy

Poshard
Rahall
Rangel
Reed
Reynolds
Richardson
Rivers
Rose
Roybal-Allard
Rush
Sabo
Sanders
Sawyer
Schroeder
Schumer
Scott
Serrano
Skaggs
Slaughter
Stokes
Studds
Stupak

Tanner
Tejeda
Thornton
Thurman
Torres
Torricelli
Towns
Traficant
Tucker
Velazquez
Vento
Volkmer
Ward
Watt (NC)
Waxman
Williams
Woolsey
Wyden
Wynn
Yates

NOES—257

Allard
Andrews
Archer
Armey
Bachus
Baker (CA)
Baker (LA)
Ballenger
Barr
Barrett (NE)
Barrett (WI)
Bartlett
Bass
Bateman
Bereuter
Bilirakis
Bliley
Blute
Boehlert
Boehner
Bonilla
Bono
Brewster
Brownback
Bryant (TN)
Bunn
Bunning
Burr
Burton
Buyer
Callahan
Calvert
Camp
Canady
Cardin
Castle
Chabot
Chambliss
Chenoweth
Christensen
Chrysler
Clinger
Coble
Coburn
Collins (GA)
Combest
Condit
Cooley
Crane
Crapo
Creameans
Cubin
Cunningham
Danner
Davis
Deal
DeLay
Diaz-Balart
Dickey
Doolittle
Dornan
Dreier
Duncan
Dunn
Edwards
Ehlers
Ehrlich
Emerson
English
Ensign
Everett
Ewing
Fawell
Fields (TX)
Flanagan

Foley
Forbes
Fowler
Fox
Franks (CT)
Franks (NJ)
Frelinghuysen
Frisa
Funderburk
Ganske
Gekas
Geren
Gilchrest
Gillmor
Gilman
Goodlatte
Goodling
Goss
Graham
Greenwood
Gunderson
Gutknecht
Hall (TX)
Hamilton
Hancock
Hansen
Hastert
Hastings (WA)
Hayes
Hayworth
Hefley
Heineman
Herger
Hilleary
Hobson
Hoekstra
Hoke
Horn
Hostettler
Houghton
Hunter
Hutchinson
Hyde
Inglis
Istook
Jacobs
Johnson (CT)
Johnson, Sam
Jones
Kasich
Kelly
Kim
King
Kingston
Klug
Knollenberg
Kolbe
LaHood
Largent
Latham
Laughlin
Lazio
Leach
Levin
Lewis (CA)
Lewis (KY)
Lightfoot
Lincoln
Linder
Livingston
LoBiondo
Longley
Lucas
Luther
Manzullo
Martini

McCollum
McCreary
McDade
McHugh
McInnis
McIntosh
McKeon
McNulty
Meehan
Metcalf
Meyers
Mica
Miller (FL)
Minge
Molinari
Montgomery
Moorhead
Morella
Myers
Myrick
Nethercutt
Neumann
Ney
Norwood
Nussle
Obey
Orton
Oxley
Packard
Parker
Paxon
Payne (VA)
Peterson (FL)
Peterson (MN)
Petri
Pickett
Pombo
Porter
Portman
Pryce
Quillen
Quinn
Radanovich
Ramstad
Regula
Riggs
Roberts
Roemer
Rohrabacher
Roth
Roukema
Royce
Salmon
Sanford
Scarborough
Schaefer
Schiff
Seastrand
Sensenbrenner
Shadegg
Shaw
Shays
Shuster
Sisisky
Skeen
Skelton
Smith (MI)
Smith (NJ)
Smith (TX)
Smith (WA)
Solomon
Souder
Spence
Spratt
Stearns
Stenholm

NOT VOTING—19

Baesler
Baldacci
Becerra
Clay
Fattah
Gallegly
Hilliard

Istook
Menendez
Moakley
Moran
Norwood
Pelosi
Rogers

Ros-Lehtinen
Saxton
Thompson
Wilson
Wise

So the amendment was not agreed to.
After some further time,

60.22 RECORDED VOTE

A recorded vote by electronic device was ordered in the Committee of the Whole on the following amendment submitted by Mr. BROWN of California:

Page 8, line 7, strike "(a) GENERAL AUTHORIZATION.—"

Page 8, lines 12 through 18, strike subsection (b).

It was decided in the { Yeas 155
negative } Nays 257

60.23 [Roll No. 307]
AYES—155

Abercrombie
Ackerman
Barcia
Beilenson
Bentsen
Berman
Bevill
Bilbray
Bishop
Bonior
Borski
Boucher
Browder
Brown (CA)
Brown (FL)
Bryant (TX)
Chapman
Clayton
Clement
Clyburn
Coleman
Collins (IL)
Collins (MI)
Conyers
Costello
Coyne
Cramer
de la Garza
DeFazio
DeLauro

Dellums
Deutsch
Dicks
Dingell
Dixon
Doggett
Dooley
Doyle
Durbin
Engel
Eshoo
Evans
Farr
Fattah
Fazio
Fields (LA)
Filner
Flake
Foglietta
Ford
Frank (MA)
Frost
Furse
Gejdenson
Gephardt
Gibbons
Gonzalez
Green
Gutierrez

Harman
Hastings (FL)
Hefner
Hinchey
Holden
Hoyer
Jackson-Lee
Johnson (SD)
Johnson, E. B.
Johnston
Kanjorski
Kaptur
Kennedy (MA)
Kennedy (RI)
Kennelly
Kildee
Kleczka
Klink
LaFalce
Lantos
Lewis (GA)
Lipinski
Lofgren
Lowey
Maloney
Manton
Markey
Martinez
Mascara
Matsui

NOES—214

Allard
Archer
Armey
Bachus
Baker (CA)
Baker (LA)
Ballenger
Barr
Barrett (NE)
Bartlett
Barton
Bass
Bateman
Bentsen
Bereuter
Berman
Bilirakis
Bliley
Blute
Boehlert
Boehner
Bonilla
Bono
Brownback
Bryant (TN)
Bunn
Bunning
Burr
Burton
Buyer
Callahan
Calvert
Camp
Canady

Castle
Chabot
Chambliss
Chenoweth
Christensen
Chrysler
Clinger
Coble
Collins (GA)
Combest
Cooley
Cox
Crane
Crapo
Creameans
Cubin
Davis
Deal
DeLay
Diaz-Balart
Dickey
Doolittle
Dornan
Doyle
Dreier
Dunn
Ehlers
Ehrlich
Emerson
English
Everett
Ewing
Fawell
Fields (TX)

Flanagan
Foley
Forbes
Fowler
Fox
Franks (CT)
Franks (NJ)
Frelinghuysen
Frisa
Ganske
Gekas
Gilchrest
Gillmor
Gilman
Goodlatte
Goodling
Goss
Graham
Gunderson
Gutknecht
Hancock
Hansen
Hastert
Hastings (WA)
Hayworth
Heineman
Herger
Hilleary
Hobson
Hoekstra
Hoke
Holden
Horn
Hostettler

Stockman	Torkildsen	Weldon (PA)
Stump	Upton	Weller
Talent	Visclosky	White
Tate	Vucanovich	Whitfield
Tauzin	Waldholtz	Wicker
Taylor (MS)	Walker	Young (AK)
Taylor (NC)	Walsh	Young (FL)
Thomas	Wamp	Zeliff
Thornberry	Watts (OK)	Zimmer
Tiaht	Weldon (FL)	

NOT VOTING—22

Baesler	Hilliard	Saxton
Baldacci	Jefferson	Stark
Becerra	LaTourette	Thompson
Brown (OH)	Menendez	Waters
Clay	Moakley	Wise
Cox	Moran	Wolf
Gallegly	Rogers	
Hall (OH)	Ros-Lehtinen	

So the amendment was not agreed to. The SPEAKER pro tempore, Mr. HASTINGS of Washington, assumed the Chair.

When Mr. HANSEN, Chairman, pursuant to House Resolution 136, reported the bill back to the House with an amendment adopted by the Committee.

The previous question having been ordered by said resolution.

The following amendment, reported from the Committee of the Whole House on the state of the Union, was agreed to:

Strike out all after the enacting clause and insert:

SECTION 1. SHORT TITLE.

This Act may be cited as the "Hydrogen Future Act of 1995".

SEC. 2. FINDINGS.

The Congress finds that—

(1) fossil fuels, the main energy source of the present, have provided this country with tremendous supply but are limited and polluting;

(2) additional basic research and development are needed to encourage private sector investment in development of new and better energy sources and enabling technologies;

(3) hydrogen holds tremendous promise as a fuel, because it can be extracted from water and can be burned much more cleanly than conventional fuels;

(4) hydrogen production efficiency is a major technical barrier to society collectively benefiting from one of the great energy sources of the future;

(5) an aggressive, results-oriented, multiyear research initiative on efficient hydrogen fuel production and use should continue; and

(6) the current Federal effort to develop hydrogen as a fuel is inadequate.

SEC. 3. PURPOSES.

The purposes of this Act are—

(1) to provide for a basic research, development, and demonstration program leading to the production, storage, transport, and use of hydrogen for industrial, residential, transportation, and utility applications; and

(2) to provide for advice from academia and the private sector in the implementation of the Department of Energy hydrogen research, development, and demonstration program to ensure that economic benefits of the program accrue to the United States.

SEC. 4. DEFINITIONS.

For purposes of this Act—

(1) the term "demonstration" means a validation of the technical feasibility of a theory or process;

(2) the term "Department" means the Department of Energy; and

(3) the term "Secretary" means the Secretary of Energy.

SEC. 5. RESEARCH AND DEVELOPMENT.

(a) AUTHORIZED ACTIVITIES.—Pursuant to this section, the Spark M. Matsunaga Hydro-

gen Research, Development, and Demonstration Act of 1990 and the Energy Policy Act of 1992, and in accordance with the purposes of this Act, the Secretary shall provide for a hydrogen energy basic research, development, and demonstration program relating to production, storage, transportation, and use of hydrogen, with the goal of enabling the private sector to demonstrate the technical feasibility of using hydrogen for industrial, residential, transportation, and utility applications. In establishing priorities for Federal funding under this section, the Secretary shall survey private sector hydrogen activities and take steps to ensure that activities under this section do not displace or compete with the privately funded hydrogen activities of United States industry.

(b) SCHEDULE.—Within 180 days after the date of the enactment of the later of this Act or an Act providing appropriations for programs authorized by this Act, the Secretary shall solicit proposals from all interested parties for carrying out the research, development, and demonstration activities authorized under this section. The Secretary may consider a proposal from a contractor who manages and operates a Department facility under contract with the Department, and the contractor may perform the work at that facility or any other facility. Within 180 days after such solicitation, if the Secretary identifies proposals worthy of Federal assistance, financial assistance shall be awarded under this section competitively, using peer review of proposals with appropriate protection of proprietary information. The Secretary shall use appropriations authorized by this Act that are not allocated for such awards to carry out research, development, and demonstration activities in accordance with the purposes of this Act.

(c) COST SHARING.—(1) Except as otherwise provided in section 6, for research proposals funded under this Act, the Secretary shall require a commitment from non-Federal sources of at least 25 percent of the cost of the proposed program. The Secretary may reduce or eliminate the non-Federal requirement under this paragraph if the Secretary determines that the research is of such a purely basic or fundamental nature that a non-Federal commitment is not obtainable.

(2) The Secretary shall require at least 50 percent of the costs directly and specifically related to any development or demonstration project under this Act to be provided from non-Federal sources.

(d) CERTIFICATIONS AND REQUIREMENTS.—Before financial assistance is provided under this section or the Spark M. Matsunaga Hydrogen Research, Development, and Demonstration Act of 1990—

(1) the Secretary must ensure that providing such financial assistance is consistent with the Agreement on Subsidies and Countervailing Measures as approved in section 101 of the Uruguay Round Agreements Act (19 U.S.C. 3511); and

(2) industry participants must certify that they have made reasonable efforts to obtain non-Federal funding for the entire cost of the project, and that such non-Federal funding could not be reasonably obtained.

(e) DUPLICATION OF PROGRAMS.—The Secretary shall not carry out any activities under this section that unnecessarily duplicate activities carried out elsewhere by the Federal Government or the private sector.

SEC. 6. HIGHLY INNOVATIVE TECHNOLOGIES.

Of the amounts made available for carrying out section 5, up to 5 percent shall be used to support basic research on highly innovative energy technologies. Such amounts shall not be subject to the cost sharing requirements in section 5(c).

SEC. 7. TECHNOLOGY TRANSFER.

The Secretary shall foster the exchange of generic, nonproprietary information and

technology, developed pursuant to section 5, among industry, academia, and the Federal Government. The Secretary shall ensure that economic benefits of such exchange of information and technology will accrue to the United States economy.

SEC. 8. REPORTS TO CONGRESS.

Within 18 months after the date of the enactment of this Act, and annually thereafter, the Secretary shall transmit to the Congress a detailed report on the status and progress of the Department's hydrogen research and development program, with particular emphasis on activities carried out pursuant to section 7 of this Act. Such report shall include an analysis of the effectiveness of such program, to be prepared and submitted by the Hydrogen Technical Advisory Panel established under section 108 of the Spark M. Matsunaga Hydrogen Research, Development, and Demonstration Act of 1990. Such Panel shall also make recommendations for improvements to such program if needed, including recommendations for additional legislation.

SEC. 9. COORDINATION AND CONSULTATION.

(a) COORDINATION WITH OTHER FEDERAL AGENCIES.—The Secretary shall coordinate all hydrogen research and development activities within the Department, and with the activities of other Federal agencies involved in similar research and development, including the Department of Defense, the Department of Transportation, and the National Aeronautics and Space Administration. Further, the Secretary shall pursue opportunities for cooperation with such Federal entities.

(b) CONSULTATION.—The Secretary shall consult with the Hydrogen Technical Advisory Panel established under section 108 of the Spark M. Matsunaga Hydrogen Research, Development, and Demonstration Act of 1990 as necessary in carrying out this Act.

SEC. 10. AUTHORIZATION OF APPROPRIATIONS.

(a) GENERAL AUTHORIZATION.—There are authorized to be appropriated, to carry out the purposes of this Act—

- (1) \$25,000,000 for fiscal year 1996;
- (2) \$35,000,000 for fiscal year 1997; and
- (3) \$40,000,000 for fiscal year 1998.±

(b) RELATED AUTHORIZATIONS.—(1) For each of the fiscal years 1996, 1997, and 1998, the total amount which may be obligated for Energy Supply Research and Development Activities shall not exceed the total amount obligated for such activities in fiscal year 1995.

(2) Paragraph (1) of this subsection does not authorize the appropriation of any Federal funds.

The bill, as amended, was ordered to be engrossed and read a third time, was read a third time by title.

The question being put, *viva voce*, Will the House pass said bill?

The SPEAKER pro tempore, Mr. HASTINGS of Washington, announced that the yeas had it.

So the bill was passed.

A motion to reconsider the vote whereby said bill was passed was, by unanimous consent, laid on the table.

By unanimous consent, the title was amended so as to read: "A bill to authorize basic research, development, and demonstration on hydrogen as a fuel, and for other purposes."

Ordered, That the Clerk request the concurrence of the Senate in said bill.

¶60.24 APPOINTMENT OF ADDITIONAL CONFEREER—H.R. 1158

The SPEAKER pro tempore, Mr. HASTINGS of Washington, by unani-