



Committee on Energy

**Wednesday, March 19, 2008
3:00 PM – 6:00 PM
Morris Hall (17 HOB)**

COMMITTEE ACTION PACKET

**Marco Rubio
Speaker**

**Paige Kreegel
Chair**

COMMITTEE MEETING REPORT

Committee on Energy

3/19/2008 3:00:00PM

Location: Morris Hall (17 HOB)

Attendance:

	<i>Present</i>	<i>Absent</i>	<i>Excused</i>
Paige Kreegel (Chair)	X		
Gary Aubuchon	X		
Loranne Ausley	X		
Donald Brown	X		
Edward Bullard	X		
Larry Cretul	X		
Terry Fields	X		
Clay Ford	X		
Andy Gardiner	X		
Kurt Kelly	X		
Rick Kriseman	X		
Seth McKeel	X		
Stephen Precourt	X		
William Snyder	X		
Shelley Vana	X		
Totals:	15	0	0

Committee meeting was reported out: Wednesday, March 19, 2008 7:23:29PM

COMMITTEE MEETING REPORT

Committee on Energy

3/19/2008 3:00:00PM

Location: Morris Hall (17 HOB)

Workshop

HB 457:

Workshopped

Committee meeting was reported out: Wednesday, March 19, 2008 7:23:29PM

**House of Representatives
Council/Committee Bill Action Worksheet
Proposed Council Bills**

Council/Committee on Energy

Meeting Date March 19, 2008

Time 3:00 p.m.

Place

Morris Hall (17 HOB)

Subject Energy

Motion:

 to recommend a proposed council bill with respect to _____
(subject)

 X to recommend proposed council bill PCB ENRC 08-01 relating to Energy
(PCB #

Other action: _____

Vote On Recommendations		MEMBERS								
Yea	Nay		Yeas	Nays	Yeas	Nays	Yeas	Nays	Yeas	Nays
X		Rep. Aubuchon								
X		Rep. Ausley								
X		Rep. Brown								
X		Rep. Bullard								
X		Rep. Cretul								
		Rep. Fields								
X		Rep. Ford								
		Rep. Gardiner								
X		Rep. Kelly								
X		Rep. Kriseman, Ranking Member								
X		Rep. McKeel								
X		Rep. Precourt, Vice Chair								
X		Rep. Snyder								
X		Rep. Vana								
X		Rep. Kreegel, Chair								
Yeas	Nays		Yeas	Nays	Yeas	Nays	Yeas	Nays	Yeas	Nays
13	0	Totals								

Appearance Record

<u>Name</u>	<u>Representing</u>	<u>Address</u>	<u>Code</u>

Speaker Codes:

Lobbyist: **L**
General Public: **G**

Proponent: **P**
Information Only: **I**

State Employee: **SE**
Requested to Speak: **R**

Opponent: **O**

COMMITTEE MEETING REPORT

Committee on Energy

3/19/2008 3:00:00PM

Location: Morris Hall (17 HOB)

Other Business Appearance:

PCB ENRC 08-01--Relating to Energy
Kari Hebrank (Lobbyist) - Opponent
Florida Swimming Pool Association
7711 Deepwood Trail
Tallahassee FL 32317
Phone: (850) 681-3290

PCB ENRC 08-01--Relating to Energy
Bob Krasowski (General Public) - Information Only
The Florida Alliance for a Clean Environment
1086 Michigan Avenue
Naples FL 34103
Phone: (239) 963-6285

PCB ENRC 08-01--Relating to Energy
Susan Clark, Attorney (Lobbyist) - Information Only
FPL/Progress/Tampa Electric/Gulf
301 South Bronough
Tallahassee FL
Phone: (850) 425-6661

PCB ENRC 08-01--Relating to Energy
Douglas Buck (Lobbyist) - Proponent
Florida Home Builders Association
201 East Park Avenue
Tallahassee FL 32301
Phone: (850) 224-4316

PCB ENRC 08-01--Relating to Energy
Melissa Meehan, Florida Climate Organizer (Lobbyist) - Information Only
Southern Alliance for Clean Energy
4713 W. Trilby Avenue
Tampa FL 33616
Phone: (813) 837-1236

PCB ENRC 08-01--Relating to Energy
Jeremy Lawton Susac, Director - Information Only
Department of Environmental Protection
2600 Blairstone Road
Tallahassee FL 32399
Phone: (850) 245-8002

PCB ENRC 08-01--Relating to Energy
Frank Matthews, Attorney (Lobbyist) - Information Only
Florida Electric Power Coordinating Group
P.O. Box 6526
Tallahassee FL 32301
Phone: (850) 222-7500

Committee meeting was reported out: Wednesday, March 19, 2008 7:23:29PM

COMMITTEE MEETING REPORT

Committee on Energy

3/19/2008 3:00:00PM

Location: Morris Hall (17 HOB)

PCB ENRC 08-01--Relating to Energy
Joanna Bonfanti (Lobbyist) - Information Only
Government Affairs, Florida Chamber of Commerce
136 S. Bronough Street
Tallahassee FL 32301
Phone: (850) 521-1253

PCB ENRC 08-01--Relating to Energy
Susan Glickman, US Southern Region Director (General Public) - Information Only
The Climate Group
P.O. Box 310
Indian Rocks Beach FL 33785

PCB ENRC 08-01--Relating to Energy
Jon Moyle (Lobbyist) - Information Only
Wheelabrator Technologies
118 N. Gadsden Street
Tallahassee FL 32301
Phone: (850) 681-3828

PCB ENRC 08-01--Relating to Energy
Michael Dobson, President/CEO (Lobbyist) - Information Only
Florida Renewable Energy Producers Association
522 E. Park Avenue
Tallahassee FL 32301
Phone: (850) 222-0441

Committee meeting was reported out: Wednesday, March 19, 2008 7:23:29PM

HOUSE AMENDMENT FOR COUNCIL/COMMITTEE PURPOSES

Amendment No. 01 (for drafter's use only)

Bill No. **PCB ENRC 08-01**

COUNCIL/COMMITTEE ACTION

ADOPTED (Y/N)
ADOPTED AS AMENDED (Y/N)
ADOPTED W/O OBJECTION (Y/N)
FAILED TO ADOPT (Y/N)
WITHDRAWN (Y/N)
OTHER

1 Council/Committee hearing bill: Committee on Energy
2 Representative(s) Kreegel offered the following:

3
4 **Amendment**

5 Remove line(s) 408 and insert:

6 (f) "Sale" or "sold" includes the use of electricity by
7 the

HOUSE AMENDMENT FOR COUNCIL/COMMITTEE PURPOSES

Amendment No. 02 (for drafter's use only)

Bill No. **PCB ENRC 08-01**

COUNCIL/COMMITTEE ACTION

ADOPTED (Y/N)
ADOPTED AS AMENDED (Y/N)
ADOPTED W/O OBJECTION ✓ (Y/N)
FAILED TO ADOPT (Y/N)
WITHDRAWN (Y/N)
OTHER

1 Council/Committee hearing bill: Committee on Energy
2 Representative(s) Kreegel offered the following:

3
4 **Amendment**

5 Remove line(s) 425-432 and insert:

6 (j) The credit shall be allowed to corporations that own a
7 partnership or limited liability company that has elected to be
8 treated as a partnership for federal tax purposes when the
9 partnership or limited liability company produces and sells
10 electricity from a new or expanded renewable energy facility.
11 If the partnership or limited liability company that produces or
12 sells the electricity is owned by more than one corporation, the
13 value of the credit shall be prorated among the owners in the
14 same manner as items of income and expense are prorated for
15 federal income tax purposes.

HOUSE AMENDMENT FOR COUNCIL/COMMITTEE PURPOSES

Amendment No. 03 (for drafter's use only)

Bill No. PCB ENRC 08-01

COUNCIL/COMMITTEE ACTION

ADOPTED	___	(Y/N)
ADOPTED AS AMENDED	___	(Y/N)
ADOPTED W/O OBJECTION	<input checked="" type="checkbox"/>	(Y/N)
FAILED TO ADOPT	___	(Y/N)
WITHDRAWN	___	(Y/N)
OTHER	_____	

1 Council/Committee hearing bill: Committee on Energy
 2 Representative(s) Kreegel offered the following:

Amendment

Remove line(s) 598-619 and insert:

6 (5) Each state agency occupying space within buildings
 7 owned or managed by the Department of Management Services must
 8 identify and compile a list of projects determined to be
 9 suitable for a guaranteed energy, water, and wastewater
 10 performance savings contract pursuant to s. 489.145. The list of
 11 projects compiled by each state agency shall be submitted to the
 12 Department of Management Services by December 31, 2008, and must
 13 include all criteria used to determine suitability. The list of
 14 projects shall be developed from the list of state-owned
 15 facilities greater than 5,000 square feet in area and for which
 16 the state agency is responsible for paying the expenses of
 17 utilities and other operating expenses as they relate to energy
 18 use. In consultation with each state agency executive officer,
 19 by July 1, 2009, the department shall prioritize all projects
 20 deemed suitable by each state agency and shall develop an energy
 21 efficiency project schedule based on factors such as project

HOUSE AMENDMENT FOR COUNCIL/COMMITTEE PURPOSES

Amendment No. 03 (for drafter's use only)

22 magnitude, efficiency and effectiveness of energy conservation
23 measures to be implemented, and other factors that may prove to
24 be advantageous to pursue. The schedule shall provide the
25 deadline for guaranteed energy, water, and wastewater
26 performance savings contract improvements to be made to the
27 state-owned buildings.

HOUSE AMENDMENT FOR COUNCIL/COMMITTEE PURPOSES

Amendment No. 04 (for drafter's use only)

Bill No. **PCB ENRC 08-01**

COUNCIL/COMMITTEE ACTION

ADOPTED — (Y/N)
ADOPTED AS AMENDED — (Y/N)
ADOPTED W/O OBJECTION (Y/N)
FAILED TO ADOPT — (Y/N)
WITHDRAWN — (Y/N)
OTHER _____

1 Council/Committee hearing bill: Committee on Energy
2 Representative(s) Kreegel offered the following:

3
4 **Amendment**

5 Remove line(s) 1175-1181 and insert:

6 (2) As used in this section, the term:

7 (a) "Biomass" means a power source that is comprised of,
8 but not limited to, combustible residues or gases from forest
9 products manufacturing, waste, byproducts or products from
10 agricultural and orchard crops, waste and co-products from
11 livestock and poultry operations, waste and byproducts from and
12 food processing, urban wood waste, municipal solid waste,
13 municipal liquid waste treatment operations, and landfill gas.

HOUSE AMENDMENT FOR COUNCIL/COMMITTEE PURPOSES

Amendment No. 05 (for drafter's use only)

Bill No. **PCB ENRC 08-01**

COUNCIL/COMMITTEE ACTION

ADOPTED (Y/N)
ADOPTED AS AMENDED (Y/N)
ADOPTED W/O OBJECTION (Y/N)
FAILED TO ADOPT (Y/N)
WITHDRAWN (Y/N)
OTHER

*Amendment #06
Substituted for #05*

1 Council/Committee hearing bill: Committee on Energy

2 Representative(s) Vana offered the following:

3
4 **Amendment**

5 Between line(s) 1281 and 1282 insert:

6 (7) Under the provisions of subsections (5) and (6), when
7 a utility purchases power generated from biogas produced by the
8 anerobic digestion of agricultural waste, net metering is
9 available at a single metering point or is available as a part
10 of conjunctive billing of multiple points for a customer or
11 group of customers.

HOUSE AMENDMENT FOR COUNCIL/COMMITTEE PURPOSES

Amendment No. 06 (for drafter's use only)

Bill No. **PCB ENRC 08-01**

COUNCIL/COMMITTEE ACTION

ADOPTED — (Y/N)
ADOPTED AS AMENDED — (Y/N)
ADOPTED W/O OBJECTION ✓ (Y/N)
FAILED TO ADOPT — (Y/N)
WITHDRAWN — (Y/N)
OTHER —

1 Council/Committee hearing bill: Committee on Energy
2 Representative(s) Kreegel offered the following:

3
4 **Substitute Amendment to Amendment 05 by Vana**

5 Between line(s) 1281 and 1282 insert:

6 (7) Under the provisions of subsections (5) and (6), when
7 a utility purchases power generated from biogas produced by the
8 anerobic digestion of agricultural waste, net metering is
9 available at a single metering point or is available as a part
10 of conjunctive billing of multiple points for a customer at a
11 single location.



Council/Committee/Subcommittee on

Energy

Date 03/19/2008

Action Adopted w/o objection

HOUSE AMENDMENT FOR DRAFTING PURPOSES ONLY

(may be used in Council/Committee/Subcommittee, but **not** on House Floor)

Amendment No. 6a

Bill No. _____

(For filing with the Clerk, Council, Committee and Member Amendments must be prepared by House Bill Drafting Services (Rule 12.1))

Representative(s)/The Council/Committee/Subcommittee on Energy Vana

offered the following amendment:

Amendment to substitute amendment # 6

on page 1, line(s) 8,

after agricultural

insert "or food"

HOUSE AMENDMENT FOR COUNCIL/COMMITTEE PURPOSES

Amendment No. 07 (for drafter's use only)

Bill No. **PCB ENRC 08-01**

COUNCIL/COMMITTEE ACTION

ADOPTED	<input type="checkbox"/>	(Y/N)
ADOPTED AS AMENDED	<input checked="" type="checkbox"/>	(Y/N)
ADOPTED W/O OBJECTION	<input type="checkbox"/>	(Y/N)
FAILED TO ADOPT	<input type="checkbox"/>	(Y/N)
WITHDRAWN	<input type="checkbox"/>	(Y/N)
OTHER	<input type="checkbox"/>	

1 Council/Committee hearing bill: Committee on Energy
2 Representative(s) Precourt offered the following:

3

4

Amendment

5

Remove line(s) 1306-1307 and insert:

6

(b) "Provider" means an electric utility as defined in s.

7

366.02(2).



Council/Committee/Subcommittee on

Energy

Date 03/19/2008

Action adopted w/o objection

HOUSE AMENDMENT FOR DRAFTING PURPOSES ONLY

(may be used in Council/Committee/Subcommittee, but **not** on House Floor)

Amendment No. 7

Bill No. PCB 1

(For filing with the Clerk, Council, Committee and Member Amendments must be prepared by House Bill Drafting Services (Rule 12.1))

Representative(s)/The Council/Committee/Subcommittee on Precount

offered the following amendment:

Amendment to amendment # 7

on page 1, line(s) 7,

remove line 7

and insert: 366.02 (1)

HOUSE AMENDMENT FOR COUNCIL/COMMITTEE PURPOSES

Amendment No. 08 (for drafter's use only)

Bill No. **PCB ENRC 08-01**

COUNCIL/COMMITTEE ACTION

ADOPTED — (Y/N)
ADOPTED AS AMENDED — (Y/N)
ADOPTED W/O OBJECTION ✓ (Y/N)
FAILED TO ADOPT — (Y/N)
WITHDRAWN — (Y/N)
OTHER —

1 Council/Committee hearing bill: Committee on Energy
2 Representative(s) Kreegel offered the following:

3
4 **Amendment**

5 Between line(s) 1343 and 1344 insert:

6 (d) Notwithstanding s. 366.91(3) and (4), the
7 commission is authorized to approve projects, power sales
8 agreements with renewable power producers, and the sale of RECs
9 which are needed to comply with the RPS percentages set forth in
10 s. 366.92(4)(a). In the event of any conflict, this section
11 shall supersede s. 366.91(3) and (4).

HOUSE AMENDMENT FOR COUNCIL/COMMITTEE PURPOSES

Amendment No. 09 (for drafter's use only)

Bill No. PCB ENRC 08-01

COUNCIL/COMMITTEE ACTION

ADOPTED (Y/N)
ADOPTED AS AMENDED (Y/N)
ADOPTED W/O OBJECTION (Y/N)
FAILED TO ADOPT (Y/N)
WITHDRAWN (Y/N)
OTHER _____

1 Council/Committee hearing bill: Committee on Energy
2 Representative(s) Kreegel offered the following:

3

4 **Amendment**

5 Remove line(s) 1405-1409 and insert:

6 in subsection (4). Such rule shall not become effective until
7 ratified by the Legislature.

HOUSE AMENDMENT FOR COUNCIL/COMMITTEE PURPOSES

Amendment No. 10 (for drafter's use only)

Bill No. **PCB ENRC 08-01**

COUNCIL/COMMITTEE ACTION

ADOPTED — (Y/N)
ADOPTED AS AMENDED — (Y/N)
ADOPTED W/O OBJECTION **✓** (Y/N)
FAILED TO ADOPT — (Y/N)
WITHDRAWN — (Y/N)
OTHER _____

1 Council/Committee hearing bill: Committee on Energy
2 Representative(s) Kreegel offered the following:

3
4 **Amendment**

5 Remove line(s) 1737 and insert:
6 potential, tidal movements, biomass, geothermal sources, and
7 other energy resources the commission determines to be important
8 to the production or supply of energy.

HOUSE AMENDMENT FOR COUNCIL/COMMITTEE PURPOSES

Amendment No. 11 (for drafter's use only)

Bill No. **PCB ENRC 08-01**

COUNCIL/COMMITTEE ACTION

ADOPTED (Y/N)
ADOPTED AS AMENDED (Y/N)
ADOPTED W/O OBJECTION (Y/N)
FAILED TO ADOPT (Y/N)
WITHDRAWN (Y/N)
OTHER _____

1 Council/Committee hearing bill: Committee on Energy
2 Representative(s) Kreegel offered the following:

3

4 **Amendment**

5 Remove line(s) 2191 and insert:
6 the following fuels or energy sources: hydrogen, biomass, as
7 defined in s. 366.91, solar

HOUSE AMENDMENT FOR COUNCIL/COMMITTEE PURPOSES

Amendment No. 12 (for drafter's use only)

Bill No. **PCB ENRC 08-01**

COUNCIL/COMMITTEE ACTION

ADOPTED (Y/N)
ADOPTED AS AMENDED (Y/N)
ADOPTED W/O OBJECTION (Y/N)
FAILED TO ADOPT (Y/N)
WITHDRAWN (Y/N)
OTHER

1 Council/Committee hearing bill: Committee on Energy
2 Representative(s) Cretul offered the following:

Amendment

Remove line(s) 4528-4534 and insert:

553.9061 Scheduled Goals in Thermal Efficiency Standards.-

7 (1) The purpose of this section is to establish a schedule
8 of goals in the energy performance of buildings subject to the
9 Florida Energy Efficiency Code for Building Construction. The
10 Florida Building Code Commission shall strive for the following
11 goals through the triennial code adoption process based on the
12 cost benefit provisions of s. 553.901 for a payback period to
13 the consumer of no more than seven years:

HOUSE AMENDMENT FOR COUNCIL/COMMITTEE PURPOSES

Amendment No. 13 (for drafter's use only)

Bill No. **PCB ENRC 08-01**

COUNCIL/COMMITTEE ACTION

ADOPTED (Y/N)
 ADOPTED AS AMENDED (Y/N)
 ADOPTED W/O OBJECTION (Y/N)
 FAILED TO ADOPT (Y/N)
 WITHDRAWN (Y/N)
 OTHER

1 Council/Committee hearing bill: Committee on Energy
 2 Representative(s) Fitzgerald offered the following:

Amendment

5 Between line(s) 4583 and 4584 insert:

6 Section 87. Given the energy security and environmental
 7 issues caused by the state's energy dependency on imported fuels
 8 The Florida Energy Commission in conjunction with the Florida
 9 Action Team on Energy and Climate Change (the "Parties") shall
 10 analyze what policies for encouraging the rapid deployment of
 11 renewable energy production in Florida should be introduced. The
 12 study should focus on the economic stimulus and job creation
 13 opportunities derived from the immediate rapid deployment of
 14 renewables, and the ability of domestic renewable production to
 15 reduce the state's reliance on imported fuels. The Parties
 16 should study the alternative policy models for encouraging
 17 renewables development in Europe. In particular they should
 18 investigate the successful models in Germany, Spain and other EU
 19 states that have led to rapid ramp up of renewables. The cost of
 20 these studies shall be borne under the existing budgets of both
 21 groups. They should provide a report and recommendations to the

HOUSE AMENDMENT FOR COUNCIL/COMMITTEE PURPOSES

Amendment No. 13 (for drafter's use only)

22 Governor, the President of the Senate and Speaker of the House
23 of Representatives by October 1, 2008.

HOUSE AMENDMENT FOR COUNCIL/COMMITTEE PURPOSES

Amendment No. 14 (for drafter's use only)

Bill No. **PCB ENRC 08-01**

COUNCIL/COMMITTEE ACTION

ADOPTED ___ (Y/N)
ADOPTED AS AMENDED ___ (Y/N)
ADOPTED W/O OBJECTION ___ (Y/N)
FAILED TO ADOPT ___ (Y/N)
WITHDRAWN (Y/N)
OTHER _____

1 Council/Committee hearing bill: Committee on Energy
2 Representative(s) Kriseman offered the following:

3
4 **Amendment**

5 Between line(s) 4583 and 4584 insert:

6 Section 87. (1) As used in this section, the term:

7 (a) "Hybrid vehicle" means a hybrid vehicle, as defined in
8 s. 316.0741, Florida Statutes.

9 (b) "Flex-fuel vehicle" means a vehicle that is designed
10 to run on gasoline or a blend of up to 85 percent ethanol (E85).

11 (c) "Biodiesel vehicle" means a vehicle that is designed
12 to run on mono-alkyl esters of long-chain fatty acids derived
13 from vegetable oils or animal fats which conform to ASTM D6751
14 specifications for use in diesel engines. Biodiesel refers to
15 the pure fuel before blending with diesel fuel. Biodiesel blends
16 are denoted as "BXX" with "XX," representing the percentage of
17 biodiesel contained in the blend. For example, B100 is pure
18 biodiesel and B20 is a blend of 20 percent biodiesel and 80
19 percent petroleum diesel.

20 (2) Any new motor vehicle purchased after January 1, 2009,
21 by a state agency, state university, or local government through

HOUSE AMENDMENT FOR COUNCIL/COMMITTEE PURPOSES

Amendment No. 14 (for drafter's use only)

22 any state purchasing plan must be a hybrid, flex-fuel, or
23 biodiesel vehicle if the type of vehicle being purchased is
24 available with such propulsion system and otherwise meets the
25 requirements for the vehicle's intended use. The vehicle must
26 also cost no more than 10 percent more than a comparable non-
27 hybrid, flex-fuel, or biodiesel vehicle.

28 (3) The Department of Management Services, by October 1,
29 2008, shall adopt rules that establish criteria for the purchase
30 of hybrid, flex-fuel, and biodiesel vehicles.

31 Section 88. Paragraph (ggg) of subsection (7) of section
32 212.08, Florida Statutes, is amended to read:

33 212.08 Sales, rental, use, consumption, distribution, and
34 storage tax; specified exemptions.--The sale at retail, the
35 rental, the use, the consumption, the distribution, and the
36 storage to be used or consumed in this state of the following
37 are hereby specifically exempt from the tax imposed by this
38 chapter.

39 (7) MISCELLANEOUS EXEMPTIONS.--Exemptions provided to any
40 entity by this chapter do not inure to any transaction that is
41 otherwise taxable under this chapter when payment is made by a
42 representative or employee of the entity by any means,
43 including, but not limited to, cash, check, or credit card, even
44 when that representative or employee is subsequently reimbursed
45 by the entity. In addition, exemptions provided to any entity by
46 this subsection do not inure to any transaction that is
47 otherwise taxable under this chapter unless the entity has
48 obtained a sales tax exemption certificate from the department
49 or the entity obtains or provides other documentation as
50 required by the department. Eligible purchases or leases made
51 with such a certificate must be in strict compliance with this

HOUSE AMENDMENT FOR COUNCIL/COMMITTEE PURPOSES

Amendment No. 14 (for drafter's use only)

52 subsection and departmental rules, and any person who makes an
53 exempt purchase with a certificate that is not in strict
54 compliance with this subsection and the rules is liable for and
55 shall pay the tax. The department may adopt rules to administer
56 this subsection.

57 (ggg) Gasoline-electric hybrid vehicles and vehicles
58 powered by other alternative fuels.--Also exempt from the tax
59 imposed by this chapter are sales or leases of gasoline-electric
60 hybrid vehicles, or vehicles powered by other alternative fuels,
61 and having at least a 25-miles-per-gallon combined city and
62 highway mileage rating. The exemption shall inure at the time of
63 sale or lease to any entity meeting the requirements of this
64 subsection but may not exceed \$1,500. This paragraph does not
65 apply to hydrogen-powered vehicles as described in subparagraph
66 (ccc)2. This paragraph expires July 1, 2013.

HOUSE AMENDMENT FOR COUNCIL/COMMITTEE PURPOSES

Amendment No. 15 (for drafter's use only)

Bill No. PCB ENRC 08-01

COUNCIL/COMMITTEE ACTION

ADOPTED	<input type="checkbox"/>	(Y/N)
ADOPTED AS AMENDED	<input checked="" type="checkbox"/>	(Y/N)
ADOPTED W/O OBJECTION	<input type="checkbox"/>	(Y/N)
FAILED TO ADOPT	<input type="checkbox"/>	(Y/N)
WITHDRAWN	<input type="checkbox"/>	(Y/N)
OTHER	<input type="checkbox"/>	

Council/Committee hearing bill: Committee on Energy

Representative(s) Kriseman offered the following:

Amendment

Between line(s) 926 and 927 insert:

Section 23. Section 316.0741, Florida Statutes, is amended to read:

316.0741 High-occupancy-vehicle ~~High-occupancy vehicle~~ lanes.--

(1) As used in this section, the term:

(a) "High-occupancy-vehicle ~~"High-occupancy vehicle lane"~~ or "HOV lane" means a lane of a public roadway designated for use by vehicles in which there is more than one occupant unless otherwise authorized by federal law.

(b) "Hybrid vehicle" means a motor vehicle:

1. That draws propulsion energy from onboard sources of stored energy which are both an internal combustion or heat engine using combustible fuel and a rechargeable energy-storage system; and

2. That, in the case of a passenger automobile or light truck, has received a certificate of conformity under the Clean

HOUSE AMENDMENT FOR COUNCIL/COMMITTEE PURPOSES

Amendment No. 15 (for drafter's use only)

22 Air Act, 42 U.S.C. ss. 7401 et seq., and meets or exceeds the
23 equivalent qualifying California standards for a low-emission
24 vehicle.

25 (2) The number of persons that must be in a vehicle to
26 qualify for legal use of the HOV lane and the hours during which
27 the lane will serve as an HOV lane, if it is not designated as
28 such on a full-time basis, must also be indicated on a traffic
29 control device.

30 (3) Except as provided in subsection (4), a vehicle may
31 not be driven in an HOV lane if the vehicle is occupied by fewer
32 than the number of occupants indicated by a traffic control
33 device. A driver who violates this section shall be cited for a
34 moving violation, punishable as provided in chapter 318.

35 (4)(a) Notwithstanding any other provision of this
36 section, an inherently low-emission vehicle (ILEV) that is
37 certified and labeled in accordance with federal regulations may
38 be driven in an HOV lane at any time, regardless of its
39 occupancy. In addition, upon the state's receipt of written
40 notice from the proper federal regulatory agency authorizing
41 such use, a vehicle defined as a hybrid vehicle under this
42 section may be driven in an HOV lane at any time, regardless of
43 its occupancy.

44 (b) All eligible hybrid and all eligible other low-
45 emission and energy-efficient vehicles driven in an HOV lane
46 must comply with the minimum fuel economy standards in 23 U.S.C.
47 s. 166(f)(3)(B).

48 (c) Upon its effective date, the eligibility of hybrid and
49 other low-emission and energy-efficient vehicles for operation
50 in an HOV lane regardless of occupancy shall be determined in
51 accordance with the applicable final rule issued by the United

HOUSE AMENDMENT FOR COUNCIL/COMMITTEE PURPOSES

Amendment No. 15 (for drafter's use only)

52 States Environmental Protection Agency pursuant to 23 U.S.C. s.
53 166(e).

54 (5) The department shall issue a decal and registration
55 certificate, to be renewed annually, reflecting the HOV lane
56 designation on ~~such~~ vehicles meeting the criteria in subsection
57 (4) authorizing driving in an HOV lane at any time ~~such use~~. The
58 department may charge a fee for a decal, not to exceed the costs
59 of designing, producing, and distributing each decal, or \$5,
60 whichever is less. The proceeds from sale of the decals shall be
61 deposited in the Highway Safety Operating Trust Fund. The
62 department may, for reasons of operation and management of HOV
63 facilities, limit or discontinue issuance of decals for the use
64 of HOV facilities by hybrid and low-emission and energy-
65 efficient vehicles regardless of occupancy if it has been
66 determined by the Department of Transportation that the
67 facilities are degraded as defined by 23 U.S.C. s. 166(d)(2).

68 (6) Any HOV lane facility that is redesignated as open
69 tolling lanes shall continue to allow vehicles that comply with
70 the minimum fuel economy standards under 23 U.S.C. s.
71 166(f)(3)(B) to use the lane without requiring payment of the
72 toll.

73 ~~(5) As used in this section, the term "hybrid vehicle"~~
74 ~~means a motor vehicle:~~

75 ~~(a) That draws propulsion energy from onboard sources of~~
76 ~~stored energy which are both:~~

77 ~~1. An internal combustion or heat engine using combustible~~
78 ~~fuel; and~~

79 ~~2. A rechargeable energy storage system; and~~

80 ~~(b) That, in the case of a passenger automobile or light~~
81 ~~truck:~~

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82 ~~1. Has received a certificate of conformity under the~~
83 ~~Clean Air Act, 42 U.S.C. ss. 7401 et seq.; and~~

84 ~~2. Meets or exceeds the equivalent qualifying California~~
85 ~~standards for a low emission vehicle.~~

86 (7) ~~(6)~~ The department may adopt rules necessary to
87 administer this section.



Council/Committee/Subcommittee on

Energy
Date 03/19/2008

Action adopted w/o objection

HOUSE AMENDMENT FOR DRAFTING PURPOSES ONLY

(may be used in Council/Committee/Subcommittee, but **not** on House Floor)

Amendment No. #15

Bill No. PUB 1

(For filing with the Clerk, Council, Committee and Member Amendments must be prepared by House Bill Drafting Services (Rule 12.1))

Representative(s)/The Council/Committee/Subcommittee on Kreegal

offered the following amendment: to Amendment #15

Amendment

on page 3, line(s) 69,

shall — insert may

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Amendment No. 16 (for drafter's use only)

Bill No. **PCB ENRC 08-01**

COUNCIL/COMMITTEE ACTION

ADOPTED	___	(Y/N)
ADOPTED AS AMENDED	___	(Y/N)
ADOPTED W/O OBJECTION	___	(Y/N)
FAILED TO ADOPT	<input checked="" type="checkbox"/>	(Y/N)
WITHDRAWN	<input checked="" type="checkbox"/>	(Y/N)
OTHER	_____	

1 Council/Committee hearing bill: Committee on Energy
 2 Representative(s) Kriseman offered the following:

Amendment

5 Remove line(s) 4560-4583 and insert:

6 Section 87. Section 553.954, Florida Statutes, is amended
7 to read:

8 553.954 Adoption of standards.--The Department of
 9 Community Affairs shall adopt, modify, revise, update, and
 10 maintain the Florida Energy Conservation Standards to implement
 11 the provisions of this part and amendments thereto in accordance
 12 with the procedures of chapter 120. The department may also work
 13 with the Florida Building Commission to coordinate inspections
 14 for new products that are covered by the Florida Building Code.

15 Section 88. Section 553.955, Florida Statutes, is amended
16 to read:

17 553.955 Definitions.--For purposes of this part:

18 (1) "AV" means the adjusted volume for refrigerators,
 19 refrigerator-freezers, and freezers, as defined in the
 20 applicable test procedure.

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21 (2) "Ballast" or "fluorescent lamp ballast" means a device
22 to operate a fluorescent lamp by providing a starting voltage
23 and current and limiting the current during normal operation. It
24 must also be designed to:

25 (a) Operate at nominal input voltages of 120 or 227 volts.

26 (b) Operate with an input frequency of 60 hertz.

27 (3) "Ballast efficiency factor" means the ratio of
28 relative light output, expressed as a percent, to the power
29 input, expressed in watts under test conditions.

30 (4) "Boiler" means a commercial or residential space
31 heater that is a self-contained appliance for supplying steam or
32 hot water primarily intended for space heating. The definition
33 does not include hot water supply boilers.

34 (5) "Bottle-type water dispenser" means a water dispenser
35 that uses a bottle or reservoir as the source of potable water.

36 (6)~~(4)~~ "Code" means the Florida Energy Efficiency Code for
37 Building Construction.

38 (7) "Commercial hot food holding cabinet" means a heated,
39 fully enclosed compartment, with one or more solid or partial
40 glass doors, that is designed to maintain the temperature of hot
41 food that has been cooked in a separate appliance. The
42 definition does not include heated glass merchandising cabinets,
43 drawer warmers, or cook-and-hold appliances.

44 (8) "Cook-and-hold appliance" means a multiple-mode
45 appliance intended for cooking food that may also be used to
46 hold the temperature of the cooked food in the same appliance.

47 (9)~~(5)~~ "Date of sale" means the day when the product is
48 physically delivered to the buyer.

49 (10)~~(6)~~ "Department" means the Department of Community
50 Affairs.

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51 (11)-(7) "Distributor" means any person or business entity
52 which distributes a privately labeled product on a national
53 basis for which the specifications for manufacture, testing, and
54 certification are established and attested to by the
55 distributor, rather than the manufacturer.

56 (12) "Drawer warmer" means an appliance that consists of
57 one or more heated drawers designed to hold food that has been
58 cooked in a separate appliance at a specified temperature.

59 (13)-(8) "Energy conservation standard" means:

60 (a) A performance standard which prescribes a minimum
61 level of energy efficiency or a maximum quantity of energy use
62 for a covered product, determined in accordance with applicable
63 test procedures;

64 (b) A design requirement for the products specified in s.
65 553.957; or

66 (c) A testing and rating requirement for the products
67 specified in s. 553.957; and includes any other requirements
68 which the department may prescribe.

69 (14)-(9) "F40T12 lamp" means a tubular fluorescent lamp
70 which is a nominal 40 watts, with a 48-inch tube, 1.5 inches in
71 diameter. These lamps conform to American National Standards
72 Institute standard C.78.1-1978.

73 (15)-(10) "F96T12 lamp" means a tubular fluorescent lamp
74 which is a nominal 75 watts, with a 96-inch tube, 1.5 inches in
75 diameter. These lamps conform to American National Standards
76 Institute standard C.78.3-1978.

77 (16) "Heated glass merchandising cabinet" means an
78 appliance with a heated cabinet constructed of glass or clear
79 plastic doors with 70 percent or more clear area that is
80 designed to display and maintain the temperature of hot food

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81 that has been cooked in a separate appliance.

82 (17) "Liquid-immersed distribution transformer" means a
83 distribution transformer that uses oil as a coolant to reduce
84 electricity voltage from the high levels at which power is
85 shipped over utility transmissions and distribution lines to
86 lower levels required to power equipment and machinery.

87 (18)~~(11)~~ "Luminaire" means a complete lighting unit
88 consisting of a fluorescent lamp or lamps, together with parts
89 designed to distribute the light, to position and protect such
90 lamps, and to connect such lamps to the power supply.

91 (19)~~(12)~~ "Manufacturer" means any person or business
92 entity engaged in the original production or assembly of a
93 product.

94 (20) "Medium voltage dry-type distribution transformer"
95 means a transformer that has an input voltage of more than 600
96 volts but less than or equal to 34,500 volts, is air-cooled,
97 does not use oil as a coolant, and is rated for operation at a
98 frequency of 60 hertz.

99 (21)~~(13)~~ "New product" means a product that is sold,
100 offered for sale, or installed for the first time and
101 specifically includes floor models and demonstration units.

102 (22)~~(14)~~ "Nominal input voltage" means an input voltage
103 within plus 5 percent or minus 5 percent of a specified value.

104 (23)~~(15)~~ "Nominal lamp watts" means the wattage at which a
105 fluorescent lamp is designed to operate.

106 (24)~~(16)~~ "Occupancy" means an occupied building or part of
107 a building.

108 (25)~~(17)~~ "Operation" means the ability to start the lamp
109 at least 8 times out of 10 with a minimum of 1 minute between
110 attempts when tested under test conditions.

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111 (26) "Point of use water dispenser" means a water
112 dispenser that uses a pressurized water utility connection as
113 the source of potable water.

114 (27)-(18) "Power input" means the rate of energy
115 consumption in watts of a ballast and fluorescent lamp or lamps.

116 (28) "Refrigerated bottled or canned beverage vending
117 machine" means a commercial refrigerator that cools bottled or
118 canned beverages and dispenses such beverages upon payment.

119 (29)-(19) "Relative light output" means the test ballast
120 light output divided by a reference ballast light output using
121 the same reference lamp and expressing the value as a percent.

122 (30) "Service factor" means a multiplier that, when
123 applied to the rated horsepower of an electric motor driven by
124 an alternating current, indicates a permissible horsepower
125 loading that can be carried under the conditions specified for
126 the service factor.

127 (31) "Thermal efficiency" of a space heater means a
128 measure of the percentage of heat from the combustion of gas or
129 oil that is transferred to the space being heated or in the case
130 of a boiler, to the hot water or steam.

131 (32) "Total horsepower" means a value equal to the product
132 of the motor's service factor and the motor's nameplate-rated
133 horsepower in an electric motor that is driven by an alternating
134 current.

135 (33) "Transformer" means a device consisting of two or
136 more coils of insulated wire that is designed to transfer
137 alternating current by electromagnetic induction from one coil
138 to another to change the original voltage or current value. This
139 term does not include devices with multiple voltage taps, with
140 the highest voltage tap equaling at least 20 percent more than

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141 the lowest voltage tap, or devices, such as those commonly known
142 as drive transformers, rectifier transformers, auto-
143 transformers, uninterruptible power system transformers,
144 impedance transformers, regulating transformers, sealed and
145 nonventilating transformers, machine tool transformers, welding
146 transformers, grounding transformers, or testing transformers,
147 that are designed to be used in a special-purpose application
148 and are unlikely to be used in general-purpose applications.

149 (34) "Water dispenser" means a factory-made assembly that
150 mechanically cools and heats potable water and that dispenses
151 the cooled or heated water by integral or remote means.

152 (35) With respect to audio and video equipment:

153 (a) "Active mode" means the condition in which the input
154 of a power supply or audio and video equipment is connected to
155 the line voltage alternating current and the output is connected
156 to a direct current or an alternating current load, fulfilling
157 one or more of its main functions and drawing a fraction of the
158 power supply's nameplate power output greater than zero.

159 (b) "Audio standby-passive mode" means the appliance is
160 connected to a power source and produces neither sound nor
161 performs any mechanical function but can be switched into
162 another mode with the remote control unit or an internal signal.

163 (c) "Compact audio product," also known as a "mini,"
164 "mid," "micro," or "shelf audio system," means an integrated
165 audio system encased in a single housing that includes an
166 amplifier and radio tuner and attached or separable speakers and
167 can reproduce audio from magnetic tape, a CD, a DVD, or flash
168 memory. The definition does not include products that can be
169 independently powered by internal batteries or a powered
170 external satellite antenna or can provide a video output signal.

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171 (d) "Digital versatile disc" or "DVD" means a laser-
172 encoded plastic medium capable of storing a large amount of
173 digital audio, video, and computer data.

174 (e) "Digital versatile disc player" or "DVD player" means
175 a commercially available electronic product encased in a single
176 housing that includes an integral power supply and for which the
177 sole purpose is the decoding of digitized video signals on a
178 DVD.

179 (f) "Digital versatile disc recorder" or "DVD recorder"
180 means a commercially available electronic product encased in a
181 single housing that includes an integral power supply and for
182 which the sole purpose is the production or recording of
183 digitized audio and video signals on a DVD. The definition does
184 not include models that have an EPG function.

185 (g) "Digital video recorder" or "DVR" means a device that
186 can record video signals onto a hard disk drive or other device
187 capable of storing the images digitally. The definition does not
188 include models that have an EPG function.

189 (h) "Electronic programming guide" or "EPG" means an
190 application that provides an interactive, onscreen menu of TV
191 listings and that downloads program information from the
192 vertical blanking interval of a regular TV signal.

193 (i) "Point of deployment" or "POD" means a card that
194 enables a TV to have secure conditional access to a cable or
195 satellite system.

196 (j) "Television" or "TV" means a commercially available
197 electronic product consisting of a tuner or receiver and a
198 monitor encased in a single housing that is designed to receive
199 and display an analog or digital video television signal
200 broadcast by an antenna, satellite, cable, or broadband source.

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201 The definition does not include multifunction TVs that have VCR,
202 DVD, DVR, or EPG functions or a POD card slot.

203 (k) "TV standby-passive mode" means the condition in which
204 a power supply or audio and video equipment is connected to a
205 power source, does not produce sound or vision, and can be
206 switched to active mode with the remote control unit or an
207 internal signal.

208 (l) "Video cassette recorder" or "VCR" means a
209 commercially available analog recording device that includes an
210 integral power supply and that records television signals onto a
211 tape medium for subsequent viewing.

212 (m) "Video standby-passive mode" means the appliance is
213 connected to a power source, does not perform any mechanical
214 function or produce video or audio output signals, and can be
215 switched into another mode with the remote control unit or an
216 internal signal.

217 (36) With respect to pool and spa equipment:

218 (a) "Coefficient of performance" or "COP" means the ratio
219 of heat output to the total power input in consistent units.

220 (b) "Heat pump pool heater" means an air-to-water heat
221 pump pool heater, employing a compressor, water-cooled
222 condenser, and outdoor air coil in a single package assembly.

223 (c) "Low-temperature rating," "spa temperature rating,"
224 and "standard temperature rating" mean the conditions described,
225 respectively, in the following table:

226

<u>Reading</u>	<u>Standard</u>	<u>Low-Temperature</u>	<u>Spa Temperature</u>
	<u>Temperature</u>	<u>Rating</u>	<u>Rating</u>

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Rating

227

Air

Temperature

27° C (80.6° F) 10° C (50° F) 27.0° C (80.6° F)

Dry-bulb

21.7° C (71° F) 6.9° C (44.4°

Wet-bulb

F)

228

Relative

63%

63%

63%

Humidity

229

Pool Water

26.7° C 80° F

26.7° C 80° F

40° C 104° F

Temperature

230

231

(d) "Pool heater" means an appliance designed for heating nonpotable water contained at atmospheric pressure for swimming pools, spas, hot tubs, and similar products.

234

(e) "Portable electric spa" means a factory-built electric spa or hot tub supplied with equipment for heating and circulating water.

237

(f) "Readily accessible on-off switch" of a pool heater means an on-off switch located in a place that can be easily

238

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239 used without the need for tools to remove any covering when the
240 pool heater is on display in a store or when it is installed.

241 (g) "Residential pool pump" means a pump used to circulate
242 and filter pool water in order to maintain clarity and
243 sanitation.

244 (h) "Thermal efficiency" of a pool heater means a measure
245 of the percentage of heat from the input that is transferred to
246 the water.

247 ~~(37)(20)~~ With respect to refrigerators, freezers, and
248 refrigerator-freezers:

249 (a) "Automatic defrost system" means a defrost system in
250 which the defrosting action for all refrigerated surfaces is
251 initiated and terminated automatically.

252 (b) "Freezer" means a cabinet designed as a unit for the
253 storage of food at temperatures of about 0 °F, having the
254 ability to freeze food, and having a source of refrigeration
255 requiring an energy input.

256 (c) "Refrigerator" means a cabinet designed for the
257 refrigerated storage of food at temperatures above 32 °F, and
258 having a source of refrigeration requiring an energy input. It
259 may include a compartment for the freezing and storage of food
260 at temperatures below 32 °F, but does not provide a separate low
261 temperature compartment designed for the freezing of and the
262 long-term storage of food at temperatures below 8 °F. It has
263 only one exterior door, but it may have interior doors on
264 compartments.

265 (d) "Refrigerator-freezer" means a cabinet which consists
266 of two or more compartments with at least one of the
267 compartments designed for the refrigerated storage of foods at
268 temperatures above 32 °F, and with at least one of the

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269 compartments designed for the freezing of and the storage of
270 frozen foods at temperatures of 8 °F or below. The source of
271 refrigeration requires energy input.

272 ~~(38)~~~~(21)~~ Definitions used in the code shall also apply to
273 terms used in this part.

274 Section 89. Section 553.957, Florida Statutes, is amended
275 to read:

276 553.957 Products covered by this part.--

277 (1) The provisions of this part apply to the testing,
278 certification, and enforcement of energy conservation standards
279 for the following types of new products sold in the state:

280 (a) Bottle-type water dispensers.

281 (b) Commercial boilers.

282 (c) Commercial hot food holding cabinets.

283 (d) Compact audio products.

284 (e) Digital television adapters.

285 (f) Digital versatile disc players and recorders.

286 (g)~~(b)~~ Lighting equipment.

287 (h) Liquid-immersed distribution transformers.

288 (i) Medium voltage dry-type distribution transformers.

289 (j) Pool heaters.

290 (k) Portable electric spas.

291 (l)~~(a)~~ Refrigerators, refrigerator-freezers, and freezers
292 which can be operated by alternating current electricity,
293 excluding:

294 1. Any type designed to be used without doors; and

295 2. Any type which does not include a compressor and
296 condenser unit as an integral part of the cabinet assembly.

297 (m) Residential pool pumps.

298 (n)~~(e)~~ Showerheads.

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299 (o) Vending machines.

300 ~~(p)(d)~~ Any other type of consumer product which the
301 department classifies as a covered product as specified in this
302 part.

303 (2) The provisions of this part do not apply to:

304 (a) New products manufactured in the ~~this~~ state and sold
305 outside the state.

306 (b) New products manufactured outside the ~~this~~ state and
307 sold at wholesale in the ~~this~~ state for final retail sale and
308 installation outside the state.

309 (c) Products installed in manufactured homes at the time
310 of construction.

311 ~~(d)(e)~~ Products designed expressly for installation and
312 use in recreational vehicles ~~or other equipment designed for~~
313 ~~regular mobile use.~~

314 Section 90. Section 553.961, Florida Statutes, is amended
315 to read:

316 553.961 Test methods.--

317 (1) The manufacturer shall cause the testing of samples of
318 each model of each product covered by this part. Test procedures
319 identified in the code shall be the accepted test procedures for
320 those products addressed by the code. Test procedures for
321 products not addressed in the code shall be determined by the
322 department. The department shall use United States Department of
323 Energy approved test methods or, in the absence of such test
324 methods, other appropriate nationally recognized test methods
325 applicable to the respective products. The department may elect
326 to develop and prescribe other test methods based upon the
327 department's determination that use of such other test methods
328 is justified due to decreased cost, increased accuracy, or the

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329 general use and acceptance of a specific test method by the
330 industry involved.

331 (2) The department may test products covered by this part.
332 If products are found to not be in compliance with the minimum
333 efficiency standards established under this part, the department
334 shall charge the manufacturer of such product for the cost of
335 product purchase and testing and shall provide information to
336 the public on products found not to be in compliance with the
337 standards.

338 (3) The department shall coordinate with the certification
339 programs of other states and federal agencies with similar
340 standards to the maximum extent practicable, including
341 investigating whether certification in another state can serve
342 as a substitute for certification in Florida.

343 Section 91. Section 553.963, Florida Statutes, is amended
344 to read:

345 553.963 Energy conservation standards.--

346 (1) STANDARDS FOR REFRIGERATORS, REFRIGERATOR-FREEZERS,
347 AND FREEZERS.--

348 (a) The following is the maximum energy use allowed in
349 kilowatt hours per year for the following products, other than
350 those described in paragraph (b), manufactured on or after
351 January 1, 1993:

352		Energy
		Standards
		Equations
353	Refrigerators and refrigerator-freezers with	13.7 AV+267
	manual defrost	

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354	Refrigerator-freezers--partial automatic defrost	17.4 AV+344
355	Refrigerator-freezers--automatic defrost with:	
356	Top-mounted freezer without ice	16.7 AV+336
357	Side-mounted freezer without ice	22.4 AV+395
358	Bottom-mounted freezer without ice	22.4 AV+395
359	Top-mounted freezer with through-the-door ice	18.5 AV+374
360	Side-mounted freezer with through-the-door ice	24.8 AV+438
361	Upright freezers with:	
362	Manual defrost	8.38 AV+324
363	Automatic defrost.	12.3 AV+477
364	Chest freezers and all other freezers	6.3 AV+282

365
366 (b) The standards described in paragraph (a) do not apply
367 to refrigerators and refrigerator-freezers with total
368 refrigerated volume exceeding 39 cubic feet or freezers with
369 total refrigerated volume exceeding 30 cubic feet.

370 (2) STANDARDS FOR LIGHTING EQUIPMENT.--

371 (a) Except as provided in paragraph (b), no fluorescent
372 lamp ballast or luminaire manufactured on or after January 1,

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373 1989, shall either have a ballast efficiency factor, or contain
 374 a ballast with a ballast efficiency factor, less than the
 375 following applicable values:

376	Ballasts Designed for the Operation of:	Nominal Input Voltage	Total Nominal Lamp Watts	Ballast Efficiency Factor
377	One F40T12 lamp	120	40	1.805
		277	40	1.805
378	Two F40T12 lamps	120	80	1.060
		277	80	1.050
379	Two F96T12 lamps	120	150	0.570
		277	150	0.570

380
 381 (b) The standards described in paragraph (a) do not apply
 382 to the following types of fluorescent lamp ballasts:

- 383 1. Those which have a dimming capability.
- 384 2. Those intended for use in ambient temperatures of 0 °F
 385 or less.
- 386 3. Those with a power factor of less than 0.60.

387 (3) STANDARDS FOR SHOWERHEADS.--

388 (a) The initial minimum standards for showerheads
 389 manufactured on or after January 1, 1988, shall require the
 390 limiting of maximum water discharge to 3.00 gallons per minute
 391 when tested according to ANSI A112.18.1M-1979.

392 (b) Showerheads manufactured for use in safety spray
 393 installations shall be exempt.

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394 (4) STANDARDS FOR BOTTLE-TYPE WATER DISPENSERS.--The
395 standby energy consumption of bottle-type water dispensers and
396 point of use water dispensers, dispensing both hot and cold
397 water, shall not exceed 1.2 kWh/day.

398 (5) STANDARDS FOR COMMERCIAL BOILERS.--Commercial boilers
399 shall adopt a standard of no less than 80 percent thermal
400 efficiency for gas-fired boilers and 82 percent thermal
401 efficiency for oil-fired boilers.

402 (6) STANDARDS FOR COMMERCIAL HOT FOOD HOLDING
403 CABINETS.--The idle energy rate of commercial hot food holding
404 cabinets shall be no greater than 40 watts per cubic foot of
405 measured interior volume.

406 (7) STANDARDS FOR AUDIO AND VIDEO EQUIPMENT.--

407 (a) The power usage of audio and video equipment shall not
408 be greater than the applicable values shown in the following
409 table. For equipment that consists of more than one individually
410 powered product, each with a separate main plug, the
411 individually powered products shall each have a power usage not
412 greater than the applicable values shown in the following table:
413

Appliance Type

Maximum Power Usage (Watts)

414

<u>Compact Audio Products</u>	<u>2 W in Audio standby-passive mode for</u> <u>those without a permanently illuminated</u> <u>clock display</u>
	<u>4 W in Audio standby-passive mode for</u>

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those with a permanently illuminated
clock display

415

Televisions 3 W in TV standby-passive mode

416

Digital Versatile Disc 3 W in Video standby-passive mode
Players and Digital
Versatile Disc

417

418 (b) Digital television adapters shall use no more than 8 W
419 of power in active modes and 1 W in standby mode.

420 (c) Liquid-immersed distribution transformer standards
421 shall not be greater than the applicable values shown in the
422 following table:

423

<u>Rated Power</u>	<u>Minimum</u>	<u>Rated Power Output</u>	<u>Minimum</u>
<u>Output in kVa</u>	<u>Efficiency</u>	<u>in kVa</u>	<u>Efficiency</u>
	<u>%</u>		<u>%</u>

424

<u>≥15</u>	<u><25</u>	<u>Single</u>	<u>Three Phase</u>	<u>98.3</u>
		<u>Phase</u>		

425

<u>≥25</u>	<u><37.5</u>	<u>98.9</u>	<u>≥30</u>	<u><45</u>	<u>98.6</u>
------------	-----------------	-------------	------------	---------------	-------------

426

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427	<u>≥37.5</u>	<u><50</u>	<u>99.0</u>	<u>≥45</u>	<u><75</u>	<u>98.8</u>
428	<u>≥50</u>	<u><75</u>	<u>99.1</u>	<u>≥75</u>	<u><112.5</u>	<u>98.9</u>
429	<u>≥75</u>	<u><100</u>	<u>99.2</u>	<u>≥112.5</u>	<u><150</u>	<u>99.0</u>
430	<u>≥100</u>	<u><167</u>	<u>99.2</u>	<u>≥150</u>	<u><225</u>	<u>99.1</u>
431	<u>≥167</u>	<u><250</u>	<u>99.3</u>	<u>≥225</u>	<u><300</u>	<u>99.2</u>
432	<u>≥250</u>	<u><333</u>	<u>99.4</u>	<u>≥300</u>	<u><500</u>	<u>99.2</u>
433	<u>≥333</u>	<u><500</u>	<u>99.4</u>	<u>≥500</u>	<u><750</u>	<u>99.3</u>
434	<u>≥500</u>	<u><667</u>	<u>99.5</u>	<u>≥750</u>	<u><1000</u>	<u>99.4</u>
435	<u>≥667</u>	<u><883</u>	<u>99.6</u>	<u>≥1000</u>	<u><1500</u>	<u>99.4</u>
436	<u>883</u>		<u>99.6</u>	<u>≥1500</u>	<u><2000</u>	<u>99.5</u>
437				<u>≥2000</u>	<u><2500</u>	<u>99.6</u>
438				<u>2500</u>		<u>99.6</u>

(d) Medium voltage dry-type distribution transformer standards shall not be greater than the applicable values shown in the following table:

Single Phase

Three Phase

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	<u>Rated Power</u>	<u>Minimum</u>	<u>Rated Power</u>	<u>Minimum</u>
	<u>Output in kVa</u>	<u>Efficiency %</u>	<u>Output in kVa</u>	<u>Efficiency %</u>
443	<u>≥15</u> <u><25</u>	<u>97.9</u>	<u>≥15</u> <u><30</u>	<u>97.1</u>
444				
445	<u>≥25</u> <u><37.5</u>	<u>98.2</u>	<u>≥30</u> <u><45</u>	<u>97.6</u>
446				
447	<u>≥37.5</u> <u><50</u>	<u>98.4</u>	<u>≥45</u> <u><75</u>	<u>97.9</u>
448				
449	<u>≥50</u> <u><75</u>	<u>98.5</u>	<u>≥75</u> <u><112.5</u>	<u>98.2</u>
450				
451	<u>≥75</u> <u><100</u>	<u>98.7</u>	<u>≥112.5</u> <u><150</u>	<u>98.4</u>
452				
453	<u>≥100</u> <u><167</u>	<u>98.8</u>	<u>≥150</u> <u><225</u>	<u>98.5</u>
454				
455	<u>≥167</u> <u><250</u>	<u>99.0</u>	<u>≥225</u> <u><300</u>	<u>98.7</u>
456				
457	<u>≥250</u> <u><333</u>	<u>99.1</u>	<u>≥300</u> <u><500</u>	<u>98.8</u>
	<u>≥333</u> <u><500</u>	<u>99.2</u>	<u>≥500</u> <u><750</u>	<u>99.0</u>
	<u>≥500</u> <u><667</u>	<u>99.3</u>	<u>≥750</u> <u><1000</u>	<u>99.1</u>
	<u>≥667</u> <u><883</u>	<u>99.3</u>	<u>≥1000</u> <u><1500</u>	<u>99.2</u>
	<u>883</u>	<u>99.4</u>	<u>≥1500</u> <u><2000</u>	<u>99.3</u>
			<u>≥2000</u> <u><2500</u>	<u>99.3</u>

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2500

99.4

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(8) STANDARDS FOR POOL HEATERS, RESIDENTIAL POOL PUMPS,
AND PORTABLE ELECTRIC SPAS.--

(a) Natural gas pool heaters shall not be equipped with
constant burning pilots.

(b) All pool heaters shall have a readily accessible on-
off switch that is mounted on the outside of the heater and that
allows shutting off the heater without adjusting the thermostat
setting.

(c) For heat pump pool heaters, the average of the
coefficient of performance at standard temperature rating and
the coefficient of performance at low temperature rating shall
be not less than 3.5.

(d) The thermal efficiency of gas-fired pool heaters and
oil-fired pool heaters shall not be less than 80 percent.

(e) Pool pump motors may not be split-phase, shaded-pole,
or capacitor start-induction run types.

(f) Pool pump motors with a capacity of 1 HP or more shall
have the capability of operating at two or more speeds with a
low speed having a rotation rate that is no more than one-half
of the motor's maximum rotation rate.

(g) Pool pump motor controls shall have the capability of
operating the pool pump at a minimum of two speeds. The default
circulation speed shall be the lowest speed, with a high speed
override capability being for a temporary period not to exceed
one normal cycle or 120 minutes, whichever is less.

(h) The standby power of portable electric spas shall be
not greater than $5(V^{2/3})$ watts when V = the total volume in
gallons.

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487 (9) REFRIGERATED CANNED OR BOTTLED BEVERAGE VENDING
488 MACHINES.--

489 (a) Refrigerated canned or bottled beverage vending
490 machines shall be equipped with hard-wired controls or software
491 capable of automatically placing the machine into each of the
492 following low power mode states and automatically returning the
493 machine to its normal operating conditions at the conclusion of
494 the low-power mode:

495 1. Lighting low power state: lights off for an extended
496 period.

497 2. Refrigeration low power state: the average beverage
498 temperature is allowed to rise above 40° F. for an extended
499 period of time.

500 3. Whole machine low power state: the lights are off and
501 the refrigeration operates in its low-power state.

502
503 The low power mode controls and software shall be capable of
504 onsite adjustments by the vending operator or machine owner.

505 (b) Standards for refrigerated canned or bottled beverage
506 vending machines shall be no greater than the applicable values
507 shown in the following table:

508

Appliance

Maximum Daily Energy
Consumption(kWh)

509

Refrigerated canned or
bottled beverage vending
machines when tested at 90°

0.55(8.66 +(0.009 × C))

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F ambient temperature except
multi-package units

510

Refrigerated multi-package 0.55(8.66 + (0.009 × C))
canned or bottled beverage
vending machines when tested
at 75° F ambient temperature

511

C=Rated capacity (number of 12-ounce cans)

512

513 (10) STANDARDS FOR DISTRIBUTION TRANSFORMERS.--Medium
514 voltage dry-type distribution transformers shall meet minimum
515 efficiency levels three-tenths of a percentage point higher than
516 the Class 1 efficiency levels for medium voltage distribution
517 transformers specified in Table 4-2 of the "Guide for
518 Determining Energy Efficiency for Distribution Transformers"
519 published by the National Electrical Manufacturers Association,
520 NEMA Standard TP-1-2002.

521 (11)-(4) STANDARDS FOR OTHER COVERED PRODUCTS.--

522 (a) The department may prescribe an energy conservation
523 standard for any type or class of covered products of a type
524 specified in s. 553.957, ~~except where precluded by federal law,~~
525 if the department determines that:

526 1. The average per occupancy energy use within this state
527 resulting from performance of products of such type or class
528 exceeded 80 kilowatt hours or its Btu equivalent for any 12
529 calendar-month period ending before such determination; and

530 2. Substantial improvement in the energy efficiency of
531 products of such type or class is technologically feasible.

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532 (b) The department may prescribe an energy conservation
533 testing and rating standard for any type or class of covered
534 products of a type specified in s. 553.957 if the department
535 determines that the certifications to the state and uniform
536 product labeling required by this part will improve the
537 enforceability of the code.

538 (c) Any new or amended standard for covered products of a
539 type specified in s. 553.957(1)~~(d)~~ shall not apply to products
540 manufactured within 2 years after the publication of a final
541 rule establishing such standard.

542 (d) If the department finds during any rulemaking
543 procedure that a state energy standard requires a waiver from
544 federal preemption, the department shall apply for such a
545 waiver.

546 (12) EFFECTIVE DATES.--

547 (a) By July 1, 2009, the department, in consultation with
548 the Public Service Commission, shall adopt rules in accordance
549 with chapter 120 to establish minimum efficiency standards for
550 the types of new products under this section.

551 (b) By July 1, 2010, no new product of a type under this
552 section may be sold or offered for sale in the state unless the
553 energy efficiency of the new product meets or exceeds the
554 efficiency standards adopted pursuant to paragraph (a).

555 (c) By July 1, 2011, no new product of a type under this
556 section may be installed in the state unless the energy
557 efficiency of the new product meets or exceeds the efficiency
558 standards adopted pursuant to paragraph (a).

559 Section 91. (1) The Department of Management Services
560 shall adopt, by rule, a schedule for minimum energy efficiency
561 standards for all general purpose lights. The schedule, in

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562 combination with other programs and activities affecting
563 lighting use in the state, shall be structured to reduce average
564 statewide electrical energy consumption by not less than 50
565 percent from the 2007 level for indoor residential lighting, and
566 by not less than 25 percent from the 2007 level for indoor
567 commercial and outdoor lighting, by 2018.

568 (2) By January 1, 2009, the department shall make
569 recommendations to the Governor, the President of the Senate,
570 and the Speaker of the House of Representatives regarding how to
571 reduce per capita residential and commercial energy consumption
572 20 percent below the 2007 level.

573 (3) By July 1, 2010, the department and all other state
574 agencies shall cease purchasing general purpose lights that do
575 not meet the standards adopted pursuant to this act unless the
576 lighting is deemed historically appropriate for the facility.

577 (4) For purposes of this section, the term "general
578 purpose lights" means lamps, bulbs, tubes, or other electric
579 devices that provide functional illumination for indoor
580 residential, indoor commercial, and outdoor use. The term does
581 not include any of the following specialty lighting: applicant,
582 black light, bug, colored, infrared, left-hand thread, marine,
583 marine signal service, mine service, plant light, reflector,
584 rough service, shatter resistant, sign service, silver bowl,
585 showcase, three-way, traffic signal, vibration service or
586 vibration resistant, and lights needed to provide special-needs
587 lighting for individuals with exceptional needs.

588 Section 92. Section 553.975, Florida Statutes, is amended
589 to read:

590 553.975 Report to the Governor and Legislature.--The
591 Public Service Commission shall submit a biennial report to the

HOUSE AMENDMENT FOR COUNCIL/COMMITTEE PURPOSES

Amendment No. 16 (for drafter's use only)

592 Governor, the President of the Senate, and the Speaker of the
593 House of Representatives, concurrent with the report required by
594 s. 366.82(8)(4), beginning in 1990. Such report shall include an
595 evaluation of the effectiveness of these standards on energy
596 conservation in this state.

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Amendment No. 17 (for drafter's use only)

Bill No. **PCB ENRC 08-01**

COUNCIL/COMMITTEE ACTION

ADOPTED	<input type="checkbox"/>	(Y/N)
ADOPTED AS AMENDED	<input type="checkbox"/>	(Y/N)
ADOPTED W/O OBJECTION	<input checked="" type="checkbox"/>	(Y/N)
FAILED TO ADOPT	<input type="checkbox"/>	(Y/N)
WITHDRAWN	<input type="checkbox"/>	(Y/N)
OTHER	<input type="checkbox"/>	

1 Council/Committee hearing bill: Committee on Energy
2 Representative(s) Kreegel offered the following:

3
4 **Amendment**

5 Remove line(s) 4579-4580 and insert:
6 (f) Water heaters for swimming pools.

HOUSE AMENDMENT FOR COUNCIL/COMMITTEE PURPOSES

Amendment No. 18 (for drafter's use only)

Bill No. **PCB ENRC 08-01**

COUNCIL/COMMITTEE ACTION

ADOPTED	<input type="checkbox"/>	(Y/N)
ADOPTED AS AMENDED	<input type="checkbox"/>	(Y/N)
ADOPTED W/O OBJECTION	<input type="checkbox"/>	(Y/N)
FAILED TO ADOPT	<input checked="" type="checkbox"/>	(Y/N)
WITHDRAWN	<input type="checkbox"/>	(Y/N)
OTHER	<input type="checkbox"/>	

1 Council/Committee hearing bill: Committee on Energy
2 Representative(s) Kreegel offered the following:

3

4 **Amendment**

5 Remove line(s) 3763-3764 and insert:

6 certification hearing may testify shall be held within the

Committee on Energy

Date: 03/19/2008

Amendment: #18

To HB: PCBENRC 08-01

MOTION:

failed to adopt

MEMBERS	2nd	YES	NO	VOICE VOTE	COMMENTS
Rep. Aubuchon			✓		
Rep. Ausley		✓			
Rep. Brown			✓		
Rep. Bullard		✓			
Rep. Cretul			✓		
Rep. Fields					
Rep. Ford			✓		
Rep. Gardiner					
Rep. Kelly			✓		
Rep. Kriseman, Ranking Member		✓			
Rep. McKeel			✓		
Rep. Precourt, Vice Chair			✓		
Rep. Snyder			✓		
Rep. Vana		✓			
Rep. Kreegel, Chair			✓		
TOTALS:		4	9		