



General Assembly

**Amendment**

February Session, 2016

LCO No. 3822



Offered by:  
REP. PISCOPO, 76<sup>th</sup> Dist.

To: Subst. House Bill No. 5314      File No. 113      Cal. No. 107

**"AN ACT CONCERNING THE INCORPORATION BY REFERENCE  
OF CALIFORNIA'S LOW-EMISSION VEHICLE PROGRAM."**

1      Strike everything after the enacting clause and substitute the  
2      following in lieu thereof:

3      "Section 1. Section 22a-174g of the general statutes is repealed and  
4      the following is substituted in lieu thereof (*Effective from passage*):

5      (a) On or before December 31, 2004, the Commissioner of Energy  
6      and Environmental Protection shall adopt regulations, in accordance  
7      with the provisions of chapter 54, to implement [the] light duty motor  
8      vehicle emission standards [of the state of California,] and shall amend  
9      such regulations from time to time. [ in accordance with changes in  
10     said standards.] Such regulations shall be applicable to motor vehicles  
11     with a model year 2008 and later. [Such regulations may incorporate  
12     by reference the California motor vehicle emission standards set forth  
13     in final regulations issued by the California Air Resources Board  
14     pursuant to Title 13 of the California Code of Regulations and  
15     promulgated under the authority of Division 26 of the California

16 Health and Safety Code, as may be amended from time to time.]  
17 Nothing in this section shall limit the commissioner's authority to  
18 regulate motor vehicle emissions for any other class of vehicle.

19 (b) As part of the state's implementation plan under the federal  
20 Clean Air Act, the Commissioner of Energy and Environmental  
21 Protection may establish a program to allow the sale, purchase and use  
22 of motor vehicles which comply with any regulations adopted by the  
23 commissioner [which implement the California motor vehicles  
24 emissions standards] for purposes of generating any emission  
25 reduction credits under said act. Nothing in this section shall prohibit  
26 the Commissioner of Energy and Environmental Protection from  
27 establishing a program to require the sale, purchase and use of motor  
28 vehicles which comply with any regulations adopted by the  
29 commissioner, [which implement the California motor vehicle  
30 emissions standards.]

31 Sec. 2. Section 4a-67d of the general statutes is repealed and the  
32 following is substituted in lieu thereof (*Effective from passage*):

33 (a) The fleet average for cars or light duty trucks purchased by the  
34 state shall: (1) On and after October 1, 2001, have a United States  
35 Environmental Protection Agency estimated highway gasoline mileage  
36 rating of at least thirty-five miles per gallon and on and after January 1,  
37 2003, have a United States Environmental Protection Agency estimated  
38 highway gasoline mileage rating of at least forty miles per gallon, (2)  
39 comply with the requirements set forth in 10 CFR 490 concerning the  
40 percentage of alternative-fueled vehicles required in the state motor  
41 vehicle fleet, and (3) obtain the best achievable mileage per pound of  
42 carbon dioxide emitted in its class. The alternative-fueled vehicles  
43 purchased by the state to comply with said requirements shall be  
44 capable of operating on natural gas or electricity or any other system  
45 acceptable to the United States Department of Energy that operates on  
46 fuel that is available in the state.

47 (b) Notwithstanding any other provisions of this section, [(1) on and

48 after January 1, 2008: (A) At least fifty per cent of all cars and light  
49 duty trucks purchased or leased by the state shall be alternative-fueled,  
50 hybrid electric or plug-in electric vehicles, (B) all alternative-fueled  
51 vehicles purchased or leased by the state shall be certified to the  
52 California Air Resources Board's Low Emission Vehicle II Ultra Low  
53 Emission Vehicle Standard, (C) all gasoline-powered light duty and  
54 hybrid vehicles purchased or leased by the state shall, at a minimum,  
55 be certified to the California Air Resource Board's Low Emission  
56 Vehicle II Ultra Low Emission Vehicle Standard, and (2)] on and after  
57 January 1, 2012, one hundred per cent of such cars and light duty  
58 trucks shall be alternative-fueled, hybrid electric or plug-in electric  
59 vehicles. If the Commissioner of Administrative Services determines  
60 that the vehicles required by the provisions of this subsection are not  
61 available for purchase or lease, the Commissioner of Administrative  
62 Services shall include an explanation of such determination in the  
63 annual report described in subsection (f) of this section.

64 (c) The provisions of subsections (a) and (b) of this section shall not  
65 apply to any vehicle of the Department of Emergency Services and  
66 Public Protection that the Commissioner of Emergency Services and  
67 Public Protection designates as necessary for the Department of  
68 Emergency Services and Public Protection to carry out its mission,  
69 provided the Commissioner of Administrative Services approves of  
70 such designation and, in consultation with the Commissioner of  
71 Emergency Services and Public Protection, provides an explanation of  
72 why the provisions of subsections (a) and (b) of this section should not  
73 apply to such vehicles.

74 (d) As used in this section, the terms "car" and "light duty truck"  
75 shall be as defined in the United States Department of Energy  
76 Publication DOE/CE-0019/8, or any successor publication.

77 (e) Not later than October 1, 2007, the Commissioner of  
78 Administrative Services shall file a report with the joint standing  
79 committees of the General Assembly having cognizance of matters  
80 relating to government administration, the environment and energy

81 that includes: (1) Details on the composition of the state fleet,  
82 including, but not limited to, a listing of all vehicles owned, leased or  
83 used by the Departments of Transportation and Emergency Services  
84 and Public Protection, the make, model and fuel type of vehicles that  
85 compose the state fleet and the amount of fuel, including alternative  
86 fuels, that each vehicle uses, and (2) a copy of the determination made  
87 by the Commissioner of Energy and Environmental Protection  
88 pursuant to subsection (a) of section 2 of public act 07-4 of the June  
89 special session. The Departments of Transportation and Emergency  
90 Services and Public Protection shall submit all data requested of such  
91 departments by the Department of Administrative Services in  
92 connection with the preparation of such report.

93 (f) On or before January 1, 2008, and annually thereafter, the  
94 Commissioner of Administrative Services shall file a report with the  
95 joint standing committees of the General Assembly having cognizance  
96 of matters relating to government administration, the environment and  
97 energy that includes: (1) Details on the composition of the state fleet,  
98 including, but not limited to, a listing of all vehicles owned, leased or  
99 used by the Departments of Transportation and Emergency Services  
100 and Public Protection, the make, model and fuel type of vehicles that  
101 compose the state fleet and the amount of fuel, including alternative  
102 fuels, that each vehicle uses, (2) any changes to the determination  
103 made by the Commissioner of Energy and Environmental Protection  
104 pursuant to subsection (a) of section 35 of public act 07-4 of the June  
105 special session or any update concerning the waiver application  
106 submitted pursuant to subsection (a) of section 35 of public act 07-4 of  
107 the June special session, as applicable, (3) a listing of any vehicle  
108 exempted pursuant to subsection (c) of this section along with the  
109 Commissioner of Administrative Services' explanation for such  
110 exemption, (4) any changes or amendments to the plan required by  
111 subsection (b) of section 35 of public act 07-4 of the June special  
112 session, and (5) any changes or amendments to the plan required by  
113 subsection (c) of section 35 of public act 07-4 of the June special session.  
114 The Departments of Transportation and Emergency Services and

115 Public Protection shall submit all data requested of such departments  
116 by the Department of Administrative Services in connection with the  
117 preparation of such report.

118 (g) The Commissioner of Administrative Services may enter into  
119 any agreement necessary to carry out the provisions of subsections (e)  
120 and (f) of this section.

121 (h) For purposes of this section, "hybrid" means a passenger car that  
122 draws acceleration energy from two on board sources of stored energy  
123 that consists of either an internal combustion or heat engine which  
124 uses combustible fuel and a rechargeable energy storage system, [,  
125 and, for any passenger car or light duty truck with a model year of  
126 2004 or newer, that is certified to meet or exceed the California LEV  
127 (Low Emission Vehicle) II LEV Standard.]

128 (i) In performing the requirements of this section, the  
129 Commissioners of Administrative Services and Energy and  
130 Environmental Protection shall, whenever possible, consider the use of  
131 and impact on Connecticut-based companies.

132 Sec. 3. Subsection (b) of section 14-164c of the general statutes is  
133 repealed and the following is substituted in lieu thereof (*Effective from*  
134 *passage*):

135 (b) The Commissioner of Energy and Environmental Protection  
136 shall consult with the Commissioner of Motor Vehicles and furnish the  
137 commissioner with technical information, including testing techniques,  
138 standards and instructions for emission control features and  
139 equipment. The Commissioner of Energy and Environmental  
140 Protection shall furnish the Commissioner of Motor Vehicles with  
141 emission standards for all motor vehicles subject to the inspection and  
142 maintenance requirements. Such standards shall be consistent with  
143 provisions of federal law, if any, relating to control of emissions from  
144 the vehicles concerned or any regulations adopted by the  
145 Commissioner of Energy and Environmental Protection [which] to  
146 implement [the] low-emission vehicle and clean fuels regulations,

147 [adopted by the state of California, as amended.] Such standards shall  
148 be periodically reviewed by the Commissioner of Energy and  
149 Environmental Protection and revised, if necessary, to achieve the  
150 objectives of the vehicle emission inspection program.

151 Sec. 4. Subdivision (7) of subsection (a) of section 14-164n of the  
152 general statutes is repealed and the following is substituted in lieu  
153 thereof (*Effective from passage*):

154 (7) "Verified emissions control device" means a device that has been  
155 verified by the federal Environmental Protection Agency [or the  
156 California Air Resources Board] to reduce particulate matter emissions  
157 by a given amount;

158 Sec. 5. Subsection (a) of section 14-164o of the general statutes is  
159 repealed and the following is substituted in lieu thereof (*Effective from*  
160 *passage*):

161 (a) Except as provided in subsection (b) of this section, not later than  
162 September 1, 2010, each full-sized school bus with an engine model  
163 year of 1994 or later transporting children in the state shall either: (1)  
164 Be equipped with a closed crankcase filtration system and either a  
165 level 1 device, level 2 device or level 3 device, or, if the bus has an  
166 engine model year of 2003 to 2006, inclusive, has not been retrofitted  
167 with a level 1 device or level 2 device prior to July 1, 2007, and is  
168 capable of operating normally with a level 3 device that can be  
169 installed along with a closed crankcase filtration system for five  
170 thousand dollars or less in accordance with a procurement contract  
171 developed pursuant to subsection (c) of this section, be equipped with  
172 a closed crankcase filtration system and a level 3 device, (2) be  
173 equipped with an engine certified by the federal Environmental  
174 Protection Agency to meet model year 2007 emission standards, or (3)  
175 use compressed natural gas or other alternative fuel certified by the  
176 federal Environmental Protection Agency [or the California Air  
177 Resources Board] to reduce particulate matter emissions by not less  
178 than eighty-five per cent compared to ultra-low sulfur diesel fuel.

179 Sec. 6. Section 16a-48 of the general statutes is repealed and the  
180 following is substituted in lieu thereof (*Effective from passage*):

181 (a) As used in this section:

182 (1) "Department" means the Department of Energy and  
183 Environmental Protection;

184 (2) "Fluorescent lamp ballast" or "ballast" means a device designed  
185 to operate fluorescent lamps by providing a starting voltage and  
186 current and limiting the current during normal operation, but does not  
187 include such devices that have a dimming capability or are intended  
188 for use in ambient temperatures of zero degrees Fahrenheit or less or  
189 have a power factor of less than sixty-one hundredths for a single  
190 F40T12 lamp;

191 (3) "F40T12 lamp" means a tubular fluorescent lamp that is a  
192 nominal forty-watt lamp, with a forty-eight-inch tube length and one  
193 and one-half inches in diameter;

194 (4) "F96T12 lamp" means a tubular fluorescent lamp that is a  
195 nominal seventy-five-watt lamp with a ninety-six-inch tube length and  
196 one and one-half inches in diameter;

197 (5) "Luminaire" means a complete lighting unit consisting of a  
198 fluorescent lamp, or lamps, together with parts designed to distribute  
199 the light, to position and protect such lamps, and to connect such  
200 lamps to the power supply;

201 (6) "New product" means a product that is sold, offered for sale, or  
202 installed for the first time and specifically includes floor models and  
203 demonstration units;

204 (7) "Commissioner" means the Commissioner of Energy and  
205 Environmental Protection;

206 (8) "State Building Code" means the building code adopted  
207 pursuant to section 29-252;

208 (9) "Torchiere lighting fixture" means a portable electric lighting  
209 fixture with a reflector bowl giving light directed upward so as to give  
210 indirect illumination;

211 (10) "Unit heater" means a self-contained, vented fan-type  
212 commercial space heater that uses natural gas or propane and that is  
213 designed to be installed without ducts within the heated space. "Unit  
214 heater" does not include a product regulated by federal standards  
215 pursuant to 42 USC 6291, as amended from time to time, a product that  
216 is a direct vent, forced flue heater with a sealed combustion burner, or  
217 any oil fired heating system;

218 (11) "Transformer" means a device consisting of two or more coils of  
219 insulated wire that transfers alternating current by electromagnetic  
220 induction from one coil to another in order to change the original  
221 voltage or current value;

222 (12) "Low-voltage dry-type transformer" means a transformer that:  
223 (A) Has an input voltage of six hundred volts or less; (B) is between  
224 fourteen kilovolt-amperes and two thousand five hundred one  
225 kilovolt-amperes in size; (C) is air-cooled; and (D) does not use oil as a  
226 coolant; [. "Low-voltage dry-type transformer" does not include such  
227 transformers excluded from the low-voltage dry-type distribution  
228 transformer definition contained in the California Code of Regulations,  
229 Title 20: Division 2, Chapter 4, Article 4: Appliance Efficiency  
230 Regulations;]

231 (13) "Pass-through cabinet" means a refrigerator or freezer with  
232 hinged or sliding doors on both the front and rear of the refrigerator or  
233 freezer;

234 (14) "Reach-in cabinet" means a refrigerator, freezer, or combination  
235 thereof, with hinged or sliding doors or lids;

236 (15) "Roll-in" or "roll-through cabinet" means a refrigerator or  
237 freezer with hinged or sliding doors that allows wheeled racks of  
238 product to be rolled into or through the refrigerator or freezer;



239 (16) "Commercial refrigerators and freezers" means reach-in  
240 cabinets, pass-through cabinets, roll-in cabinets and roll-through  
241 cabinets that have less than eighty-five feet of capacity, which are  
242 designed for the refrigerated or frozen storage of food and food  
243 products;

244 (17) "Traffic signal module" means a standard eight-inch or twelve-  
245 inch round traffic signal indicator consisting of a light source, lens and  
246 all parts necessary for operation and communication of movement  
247 messages to drivers through red, amber and green colors;

248 (18) "Illuminated exit sign" means an internally illuminated sign that  
249 is designed to be permanently fixed in place and used to identify an  
250 exit by means of a light source that illuminates the sign or letters from  
251 within where the background of the exit sign is not transparent;

252 (19) "Packaged air-conditioning equipment" means air-conditioning  
253 equipment that is built as a package and shipped as a whole to end-  
254 user sites;

255 (20) "Large packaged air-conditioning equipment" means air-cooled  
256 packaged air-conditioning equipment having not less than two  
257 hundred forty thousand BTUs per hour of capacity;

258 (21) "Commercial clothes washer" means a soft mount front-loading  
259 or soft mount top-loading clothes washer that is designed for use in  
260 (A) applications where the occupants of more than one household will  
261 be using it, such as in multifamily housing common areas and coin  
262 laundries; or (B) other commercial applications, if the clothes container  
263 compartment is no greater than three and one-half cubic feet for  
264 horizontal-axis clothes washers or no greater than four cubic feet for  
265 vertical-axis clothes washers;

266 (22) "Energy efficiency ratio" means a measure of the relative  
267 efficiency of a heating or cooling appliance that is equal to the unit's  
268 output in BTUs per hour divided by its consumption of energy,  
269 measured in watts;

270 (23) "Electricity ratio" means the ratio of furnace electricity use to  
271 total furnace energy use;

272 (24) "Boiler" means a space heater that is a self-contained appliance  
273 for supplying steam or hot water primarily intended for space-heating.  
274 "Boiler" does not include hot water supply boilers;

275 (25) "Central furnace" means a self-contained space heater designed  
276 to supply heated air through ducts of more than ten inches in length;

277 (26) "Residential furnace or boiler" means a product that utilizes  
278 only single-phase electric current or single-phase electric current or DC  
279 current in conjunction with natural gas, propane or home heating oil  
280 and that (A) is designed to be the principal heating source for the  
281 living space of a residence; (B) is not contained within the same cabinet  
282 as a central air conditioner with a rated cooling capacity of not less  
283 than sixty-five thousand BTUs per hour; (C) is an electric central  
284 furnace, electric boiler, forced-air central furnace, gravity central  
285 furnace or low pressure steam or hot water boiler; and (D) has a heat  
286 input rate of less than three hundred thousand BTUs per hour for an  
287 electric boiler and low pressure steam or hot water boiler and less than  
288 two hundred twenty-five thousand BTUs per hour for a forced-air  
289 central furnace, gravity central furnace and electric central furnace;

290 (27) "Furnace air handler" means the section of the furnace that  
291 includes the fan, blower and housing, generally upstream of the  
292 burners and heat exchanger. The furnace air handler may include a  
293 filter and a cooling coil;

294 (28) "High-intensity discharge lamp" means a lamp in which light is  
295 produced by the passage of an electric current through a vapor or gas,  
296 the light-producing arc is stabilized by bulb wall temperature and the  
297 arc tube has a bulb wall loading in excess of three watts per square  
298 centimeter;

299 (29) "Metal halide lamp" means a high intensity discharge lamp in  
300 which the major portion of the light is produced by radiation of metal

301 halides and their products of dissociation, possibly in combination  
302 with metallic vapors;

303 (30) "Metal halide lamp fixture" means a light fixture designed to be  
304 operated with a metal halide lamp and a ballast for a metal halide  
305 lamp;

306 (31) "Probe start metal halide ballast" means a ballast used to  
307 operate metal halide lamps that does not contain an ignitor and that  
308 instead starts lamps by using a third starting electrode probe in the arc  
309 tube;

310 (32) "Single voltage external AC to DC power supply" means a  
311 device that (A) is designed to convert line voltage AC input into lower  
312 voltage DC output; (B) is able to convert to only one DC output voltage  
313 at a time; (C) is sold with, or intended to be used with, a separate end-  
314 use product that constitutes the primary power load; (D) is contained  
315 within a separate physical enclosure from the end-use product; (E) is  
316 connected to the end-use product in a removable or hard-wired male  
317 and female electrical connection, cable, cord or other wiring; (F) does  
318 not have batteries or battery packs, including those that are removable  
319 or that physically attach directly to the power supply unit; (G) does not  
320 have a battery chemistry or type selector switch and indicator light or a  
321 battery chemistry or type selector switch and a state of charge meter;  
322 and (H) has a nameplate output power less than or equal to two  
323 hundred fifty watts;

324 (33) "State regulated incandescent reflector lamp" means a lamp that  
325 is not colored or designed for rough or vibration service applications,  
326 has an inner reflective coating on the outer bulb to direct the light, has  
327 an E26 medium screw base, a rated voltage or voltage range that lies at  
328 least partially within one hundred fifteen to one hundred thirty volts,  
329 and that falls into one of the following categories: (A) A bulged  
330 reflector or elliptical reflector or a blown PAR bulb shape and that has  
331 a diameter that equals or exceeds two and one-quarter inches, or (B) a  
332 reflector, parabolic aluminized reflector, bulged reflector or similar

333 bulb shape and that has a diameter of two and one-quarter to two and  
334 three-quarters inches. "State regulated incandescent reflector lamp"  
335 does not include ER30, BR30, BR40 and ER40 lamps of not more than  
336 fifty watts, BR30, BR40 and ER40 lamps of sixty-five watts and R20  
337 lamps of not more than forty-five watts;

338 (34) "Bottle-type water dispenser" means a water dispenser that uses  
339 a bottle or reservoir as the source of potable water;

340 (35) "Commercial hot food holding cabinet" means a heated, fully-  
341 enclosed compartment with one or more solid or partial glass doors  
342 that is designed to maintain the temperature of hot food that has been  
343 cooked in a separate appliance. "Commercial hot food holding cabinet"  
344 does not include heated glass merchandizing cabinets, drawer  
345 warmers or cook-and-hold appliances;

346 (36) "Pool heater" means an appliance designed for heating  
347 nonpotable water contained at atmospheric pressure for swimming  
348 pools, spas, hot tubs and similar applications, including natural gas,  
349 heat pump, oil and electric resistance pool heaters;

350 (37) "Portable electric spa" means a factory-built electric spa or hot  
351 tub supplied with equipment for heating and circulating water;

352 (38) "Residential pool pump" means a pump used to circulate and  
353 filter pool water to maintain clarity and sanitation;

354 (39) "Walk-in refrigerator" means a space refrigerated to  
355 temperatures at or above thirty-two degrees Fahrenheit that has a total  
356 chilled storage area of less than three thousand square feet, can be  
357 walked into and is designed for the refrigerated storage of food and  
358 food products. "Walk-in refrigerator" does not include refrigerated  
359 warehouses and products designed and marketed exclusively for  
360 medical, scientific or research purposes;

361 (40) "Walk-in freezer" means a space refrigerated to temperatures  
362 below thirty-two degrees Fahrenheit that has a total chilled storage

363 area of less than three thousand square feet, can be walked into and is  
364 designed for the frozen storage of food and food products. "Walk-in  
365 freezer" does not include refrigerated warehouses and products  
366 designed and marketed exclusively for medical, scientific or research  
367 purposes;

368 (41) "Central air conditioner" means a central air conditioning model  
369 that consists of one or more factory-made assemblies, which normally  
370 include an evaporator or cooling coil, compressor and condenser.  
371 Central air conditioning models may provide the function of air  
372 cooling, air cleaning, dehumidifying or humidifying;

373 (42) "Combination television" means a system in which a television  
374 or television monitor and an additional device or devices, including,  
375 but not limited to, a digital versatile disc player or video cassette  
376 recorder, are combined into a single unit in which the additional  
377 devices are included in the television casing;

378 (43) "Compact audio player" means an integrated audio system  
379 encased in a single housing that includes an amplifier and radio tuner  
380 with attached or separable speakers and can reproduce audio from one  
381 or more of the following media: Magnetic tape, compact disc, digital  
382 versatile disc or flash memory. "Compact audio player" does not mean  
383 a product that can be independently powered by internal batteries, has  
384 a powered external satellite antenna or can provide a video output  
385 signal;

386 (44) "Component television" means a television composed of two or  
387 more separate components, such as a separate display device and  
388 tuner, marketed and sold as a television under one model or system  
389 designation, which may have more than one power cord;

390 (45) "Computer monitor" means an analog or digital device  
391 designed primarily for the display of computer generated signals and  
392 that is not marketed for use as a television;

393 (46) "Digital versatile disc" means a laser-encoded plastic medium

394 capable of storing a large amount of digital audio, video and computer  
395 data;

396 (47) "Digital versatile disc player" means a commercially available  
397 electronic product encased in a single housing that includes an integral  
398 power supply and for which the sole purpose is the decoding of  
399 digitized video signals;

400 (48) "Digital versatile disc recorder" means a commercially available  
401 electronic product encased in a single housing that includes an integral  
402 power supply and for which the sole purpose is the production or  
403 recording of digitized audio, video and computer signals on a digital  
404 versatile disc. "Digital versatile disc recorder" does not include a model  
405 that has an electronic programming guide function;

406 (49) "Television" means an analog or digital device designed  
407 primarily for the display and reception of a terrestrial, satellite, cable,  
408 internet protocol television or other broadcast or recorded  
409 transmission of analog or digital video and audio signals. "Television"  
410 includes combination televisions, television monitors, component  
411 televisions and any unit that is marketed to consumers as a television  
412 but does not include a computer monitor;

413 (50) "Television monitor" means a television that does not have an  
414 internal tuner/receiver or playback device.

415 (b) The provisions of this section apply to the testing, certification  
416 and enforcement of efficiency standards for the following types of new  
417 products sold, offered for sale or installed in the state: (1) Commercial  
418 clothes washers; (2) commercial refrigerators and freezers; (3)  
419 illuminated exit signs; (4) large packaged air-conditioning equipment;  
420 (5) low voltage dry-type distribution transformers; (6) torchiere  
421 lighting fixtures; (7) traffic signal modules; (8) unit heaters; (9)  
422 residential furnaces and boilers; (10) residential pool pumps; (11) metal  
423 halide lamp fixtures; (12) single voltage external AC to DC power  
424 supplies; (13) state regulated incandescent reflector lamps; (14) bottle-  
425 type water dispensers; (15) commercial hot food holding cabinets; (16)

426 portable electric spas; (17) walk-in refrigerators and walk-in freezers;  
427 (18) pool heaters; (19) compact audio players; (20) televisions; (21)  
428 digital versatile disc players; (22) digital versatile disc recorders; and  
429 (23) any other products as may be designated by the commissioner in  
430 accordance with subdivision (3) of subsection (d) of this section.

431 (c) The provisions of this section do not apply to (1) new products  
432 manufactured in the state and sold outside the state, (2) new products  
433 manufactured outside the state and sold at wholesale inside the state  
434 for final retail sale and installation outside the state, (3) products  
435 installed in mobile manufactured homes at the time of construction, or  
436 (4) products designed expressly for installation and use in recreational  
437 vehicles.

438 (d) (1) The Commissioner of Energy and Environmental Protection  
439 shall adopt regulations, in accordance with the provisions of chapter  
440 54, to implement the provisions of this section and to establish  
441 minimum energy efficiency standards for the types of new products  
442 set forth in subsection (b) of this section. The regulations shall provide  
443 for the following minimum energy efficiency standards:

444 [(A) Commercial clothes washers shall meet the requirements  
445 shown in Table P-3 of section 1605.3 of the California Code of  
446 Regulations, Title 20: Division 2, Chapter 4, Article 4;

447 (B) Commercial refrigerators and freezers shall meet the August 1,  
448 2004, requirements shown in Table A-6 of said California regulation;]

449 [(C)] (A) Illuminated exit signs shall meet the version 2.0 product  
450 specification of the "Energy Star Program Requirements for Exit Signs"  
451 developed by the United States Environmental Protection Agency;

452 [(D)] (B) Large packaged air-conditioning equipment having not  
453 more than seven hundred sixty thousand BTUs per hour of capacity  
454 shall meet a minimum energy efficiency ratio of 10.0 for units using  
455 both electric heat and air conditioning or units solely using electric air  
456 conditioning, and 9.8 for units using both natural gas heat and electric

457 air conditioning;

458 ~~[(E)] (C)~~ Large packaged air-conditioning equipment having not less  
459 than seven hundred sixty-one thousand BTUs per hour of capacity  
460 shall meet a minimum energy efficiency ratio of 9.7 for units using  
461 both electric heat and air conditioning or units solely using electric air  
462 conditioning, and 9.5 for units using both natural gas heat and electric  
463 air conditioning;

464 ~~[(F)] (D)~~ Low voltage dry-type distribution transformers shall meet  
465 or exceed the energy efficiency values shown in Table 4-2 of the  
466 National Electrical Manufacturers Association Standard TP-1-2002;

467 ~~[(G)] (E)~~ Torchiere lighting fixtures shall not consume more than  
468 one hundred ninety watts and shall not be capable of operating with  
469 lamps that total more than one hundred ninety watts;

470 ~~[(H)] (F)~~ Traffic signal modules shall meet the product specification  
471 of the "Energy Star Program Requirements for Traffic Signals"  
472 developed by the United States Environmental Protection Agency that  
473 took effect in February, 2001, except where the department, in  
474 consultation with the Commissioner of Transportation, determines  
475 that such specification would compromise safe signal operation;

476 ~~[(I)] (G)~~ Unit heaters shall not have pilot lights and shall have either  
477 power venting or an automatic flue damper;

478 ~~[(J)] (H)~~ On or after January 1, 2009, residential furnaces and boilers  
479 purchased by the state shall meet or exceed the following annual fuel  
480 utilization efficiency: (i) For gas and propane furnaces, ninety per cent  
481 annual fuel utilization efficiency, (ii) for oil furnaces, eighty-three per  
482 cent annual fuel utilization efficiency, (iii) for gas and propane hot  
483 water boilers, eighty-four per cent annual fuel utilization efficiency,  
484 (iv) for oil-fired hot water boilers, eighty-four per cent annual fuel  
485 utilization efficiency, (v) for gas and propane steam boilers, eighty-two  
486 per cent annual fuel utilization efficiency, (vi) for oil-fired steam  
487 boilers, eighty-two per cent annual fuel utilization efficiency, and (vii)



488 for furnaces with furnace air handlers, an electricity ratio of not more  
489 than 2.0, except air handlers for oil furnaces with a capacity of less than  
490 ninety-four thousand BTUs per hour shall have an electricity ratio of  
491 2.3 or less;

492 [(K)] (I) On or after January 1, 2010, metal halide lamp fixtures  
493 designed to be operated with lamps rated greater than or equal to one  
494 hundred fifty watts but less than or equal to five hundred watts shall  
495 not contain a probe-start metal halide lamp ballast; and

496 [(L)] Single-voltage external AC to DC power supplies manufactured  
497 on or after January 1, 2008, shall meet the energy efficiency standards  
498 of table U-1 of section 1605.3 of the January 2006 California Code of  
499 Regulations, Title 20, Division 2, Chapter 4, Article 4: Appliance  
500 Efficiency Regulations. This standard applies to single voltage AC to  
501 DC power supplies that are sold individually and to those that are sold  
502 as a component of or in conjunction with another product. This  
503 standard shall not apply to single-voltage external AC to DC power  
504 supplies sold with products subject to certification by the United States  
505 Food and Drug Administration. A single-voltage external AC to DC  
506 power supply that is made available by a manufacturer directly to a  
507 consumer or to a service or repair facility after and separate from the  
508 original sale of the product requiring the power supply as a service  
509 part or spare part shall not be required to meet the standards in said  
510 table U-1 until five years after the effective dates indicated in the table;]

511 [(M)] (J) On or after January 1, 2009, state regulated incandescent  
512 reflector lamps shall be manufactured to meet the minimum average  
513 lamp efficacy requirements for federally regulated incandescent  
514 reflector lamps contained in 42 USC 6295(i)(1)(A). Each lamp shall  
515 indicate the date of manufacture. [;]

516 [(N)] On or after January 1, 2009, bottle-type water dispensers,  
517 commercial hot food holding cabinets, portable electric spas, walk-in  
518 refrigerators and walk-in freezers shall meet the efficiency  
519 requirements of section 1605.3 of the January 2006 California Code of

520 Regulations, Title 20, Division 2, Chapter 4, Article 4: Appliance  
521 Efficiency Regulations. On or after January 1, 2010, residential pool  
522 pumps shall meet said efficiency requirements;

523 (O) On or after January 1, 2009, pool heaters shall meet the  
524 efficiency requirements of sections 1605.1 and 1605.3 of the January  
525 2006 California Code of Regulations, Title 20, Division 2, Chapter 4,  
526 Article 4: Appliance Efficiency Regulations;

527 (P) By January 1, 2014, compact audio players, digital versatile disc  
528 players and digital versatile disc recorders shall meet the requirements  
529 shown in Table V-1 of Section 1605.3 of the November 2009  
530 amendments to the California Code of Regulations, Title 20, Division 2,  
531 Chapter 4, Article 4, unless the commissioner, in accordance with  
532 subparagraph (B) of subdivision (3) of this subsection, determines that  
533 such standards are unwarranted and may accept, reject or modify  
534 according to subparagraph (A) of subdivision (3) of this subsection;

535 (Q) On or after January 1, 2014, televisions manufactured on or after  
536 July 1, 2011, shall meet the requirements shown in Table V-2 of Section  
537 1605.3 of the November 2009 amendments to the California Code of  
538 Regulations, Title 20, Division 2, Chapter 4, Article 4, unless the  
539 commissioner, in accordance with subparagraph (B) of subdivision (3)  
540 of this subsection, determines that such standards are unwarranted  
541 and may accept, reject or modify according to subparagraph (A) of  
542 subdivision (3) of this subsection; and

543 (R) In addition to the requirements of subparagraph (Q) of this  
544 subdivision, televisions manufactured on or after January 1, 2014, shall  
545 meet the efficiency requirements of Sections 1605.3(v)(3)(A),  
546 1605.3(v)(3)(B) and 1605.3(v)(3)(C) of the November 2009 amendments  
547 to the California Code of Regulations, Title 20, Division 2, Chapter 4,  
548 Article 4, unless the commissioner, in accordance with subparagraph  
549 (B) of subdivision (3) of this subsection, determines that such  
550 standards are unwarranted and may accept, reject or modify according  
551 to subparagraph (A) of subdivision (3) of this subsection.]

552 (2) Such efficiency standards, where in conflict with the State  
553 Building Code, shall take precedence over the standards contained in  
554 the Building Code. Not later than July 1, 2007, and biennially  
555 thereafter, the Commissioner of Energy and Environmental Protection  
556 shall review and increase the level of such efficiency standards by  
557 adopting regulations in accordance with the provisions of chapter 54  
558 upon a determination that increased efficiency standards would serve  
559 to promote energy conservation in the state and would be cost-  
560 effective for consumers who purchase and use such new products,  
561 provided no such increased efficiency standards shall become effective  
562 within one year following the adoption of any amended regulations  
563 providing for such increased efficiency standards.

564 (3) (A) The Commissioner of Energy and Environmental Protection  
565 shall adopt regulations, in accordance with the provisions of chapter  
566 54, to designate additional products to be subject to the provisions of  
567 this section and to establish efficiency standards for such products  
568 upon a determination that such efficiency standards (i) would serve to  
569 promote energy conservation in the state, (ii) would be cost-effective  
570 for consumers who purchase and use such new products, and (iii)  
571 would not impose an unreasonable burden on Connecticut businesses.

572 (B) The Commissioner of Energy and Environmental Protection, in  
573 consultation with the Multi-State Appliance Standards Collaborative,  
574 shall identify additional appliance and equipment efficiency standards.  
575 The commissioner [shall review all California standards and] may  
576 review standards from other states in such collaborative. The  
577 commissioner shall issue notice [of such review] in the Connecticut  
578 Law Journal, allow for public comment and may hold a public hearing  
579 within six months of adoption of an efficiency standard by a  
580 cooperative member state regarding a product for which no equivalent  
581 Connecticut or federal standard currently exists. The commissioner  
582 shall adopt regulations in accordance with the provisions of chapter 54  
583 adopting such efficiency standard unless the commissioner makes a  
584 specific finding that such standard does not meet the criteria in  
585 subparagraph (A) of this subdivision.

586 (e) On or after July 1, 2006, except for commercial clothes washers,  
587 for which the date shall be July 1, 2007, commercial refrigerators and  
588 freezers, for which the date shall be July 1, 2008, and large packaged  
589 air-conditioning equipment, for which the date shall be July 1, 2009, no  
590 new product of a type set forth in subsection (b) of this section or  
591 designated by the Commissioner of Energy and Environmental  
592 Protection may be sold, offered for sale, or installed in the state unless  
593 the energy efficiency of the new product meets or exceeds the  
594 efficiency standards set forth in such regulations adopted pursuant to  
595 subsection (d) of this section.

596 (f) The Commissioner of Energy and Environmental Protection shall  
597 adopt procedures for testing the energy efficiency of the new products  
598 set forth in subsection (b) of this section or designated by the  
599 commissioner if such procedures are not provided for in the State  
600 Building Code. The commissioner shall use United States Department  
601 of Energy approved test methods, or in the absence of such test  
602 methods, other appropriate nationally recognized test methods. The  
603 manufacturers of such products shall cause samples of such products  
604 to be tested in accordance with the test procedures adopted pursuant  
605 to this subsection or those specified in the State Building Code.

606 (g) Manufacturers of any new products set forth in subsection (b) of  
607 this section for which [(1) no efficiency standards exist in California,  
608 and (2)] the Commissioner of Energy and Environmental Protection  
609 adopts efficiency standards, shall certify to the commissioner that such  
610 products are in compliance with the provisions of this section, except  
611 that certification is not required for single voltage external AC to DC  
612 power supplies and walk-in refrigerators and walk-in freezers. [All  
613 single voltage external AC to DC power supplies shall be labeled as  
614 described in the January 2006 California Code of Regulations, Title 20,  
615 Section 1607(9).] The commissioner shall promulgate regulations  
616 governing the certification of such products. The commissioner shall  
617 publish an annual list of any products set forth in subsection (b) of this  
618 section on the department's Internet web site that designates which  
619 such products [are certified in California and which such products not

620 certified in California] have demonstrated compliance with efficiency  
621 standards adopted by the commissioner pursuant to subparagraph (B)  
622 of subdivision (3) of subsection (d) of this section.

623 (h) The Attorney General may institute proceedings to enforce the  
624 provisions of this section. Any person who violates any provision of  
625 this section shall be subject to a civil penalty of not more than two  
626 hundred fifty dollars. Each violation of this section shall constitute a  
627 separate offense, and each day that such violation continues shall  
628 constitute a separate offense.

629 Sec. 7. Subdivision (1) of section 22a-200d of the general statutes is  
630 repealed and the following is substituted in lieu thereof (*Effective from*  
631 *passage*):

632 In order to achieve the emission reduction requirements established  
633 in section 22a-200a, the state shall implement the following:

634 (1) The Department of Energy and Environmental Protection shall  
635 monitor the development of low-carbon fuel standards in other states  
636 or jurisdictions, evaluate the potential of any such standard to achieve  
637 net carbon reductions, and assess whether the analytical framework  
638 used to determine the carbon benefit measures the full lifecycle of  
639 greenhouse gas emissions, including direct and indirect emissions of  
640 greenhouse gas caused by changes in land use or other factors. Such  
641 assessment shall include [, but not be limited to,] the modeling tools  
642 developed by [the California Air Resources Board and] the United  
643 States Environmental Protection Agency. The analytical framework  
644 used to measure actual lifecycle greenhouse gas emissions for fuel  
645 shall include all stages of fuel and feedstock production, delivery and  
646 use of the finished fuel to the ultimate consumer, and shall adjust the  
647 mass values for all greenhouse gas emissions relative to such  
648 emissions' relative global warming potential."

This act shall take effect as follows and shall amend the following sections:

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Section 1	<i>from passage</i>	22a-174g
Sec. 2	<i>from passage</i>	4a-67d
Sec. 3	<i>from passage</i>	14-164c(b)
Sec. 4	<i>from passage</i>	14-164n(a)(7)
Sec. 5	<i>from passage</i>	14-164o(a)
Sec. 6	<i>from passage</i>	16a-48
Sec. 7	<i>from passage</i>	22a-200d(1)