



General Assembly

Substitute Bill No. 5523

February Session, 2006

* HB05523ET_ED_031406 *

AN ACT CONCERNING ENERGY EFFICIENCY.

Be it enacted by the Senate and House of Representatives in General Assembly convened:

1 Section 1. (NEW) (*Effective October 1, 2006*) (a) Notwithstanding any
2 provision of the general statutes, any (1) new construction of a facility
3 that is projected to cost not less than five million dollars, that is
4 financed with state funds and is approved and funded on or after
5 January 1, 2007, and (2) any renovation of a facility that is projected to
6 cost not less than two million dollars, that is financed with state funds
7 and is approved and funded on or after January 1, 2007, shall comply
8 with the regulations adopted pursuant to subsection (b) of this section.
9 The Secretary of the Office of Policy and Management, in consultation
10 with the Commissioner of Public Works, shall exempt any facility from
11 complying with said regulations if the Institute for Sustainable Energy
12 finds, in a written analysis, that the cost of such compliance
13 significantly outweighs the benefits. For purposes of this section,
14 "facility" means any building, including, but not limited to, a state-
15 financed housing project or a building that is used or intended to be
16 used as a school.

17 (b) Not later than January 1, 2007, the Secretary of the Office of
18 Policy and Management, in consultation with the Commissioner of
19 Public Works, the Commissioner of Environmental Protection and the
20 Commissioner of Public Safety, shall adopt regulations, in accordance

21 with the provisions of chapter 54 of the general statutes, to adopt
22 building construction standards that are consistent with or exceed the
23 silver building rating of the Leadership in Energy and Environmental
24 Design's rating system for new commercial construction and major
25 renovation projects, as established by the United States Green Building
26 Council, or an equivalent standard, including, but not limited to, a
27 two-globe rating in the Green Globes USA design program, and
28 thereafter update such regulations as the secretary deems necessary.

29 Sec. 2. Section 10-286 of the 2006 supplement to the general statutes
30 is repealed and the following is substituted in lieu thereof (*Effective*
31 *October 1, 2006*):

32 (a) The amount of the grant approved by the Commissioner of
33 Education under the provisions of this chapter for any completed
34 school building project shall be computed as follows:

35 (1) For the fiscal year ending June 30, 1984, and each fiscal year
36 thereafter, in the case of a new school plant, an extension of an existing
37 school building or projects involving the major alteration of any
38 existing building to be used for school purposes, the eligible
39 percentage, as determined in section 10-285a, as amended, of the result
40 of multiplying together the number representing the highest projected
41 enrollment, based on data acceptable to the Commissioner of
42 Education, for such building during the eight-year period from the
43 date a local or regional board of education files a notification of a
44 proposed school building project with the Department of Education,
45 the number of gross square feet per pupil determined by the
46 Commissioner of Education to be adequate for the kind of educational
47 program or programs intended, and the eligible cost of such project,
48 divided by the gross square feet of such building, or the eligible
49 percentage, as determined in section 10-285a, as amended, of the
50 eligible cost of such project, whichever is less, provided, (A) any such
51 project on which construction was started prior to July 1, 1975, shall be
52 reimbursed under the formula in effect prior to said date, (B) any such
53 project on which construction or payments under this chapter were

54 started after June 30, 1975, but prior to July 31, 1983, shall be
55 reimbursed based upon the data, submitted for each such project and
56 accepted by the Department of Education during said period,
57 representing the number of pupils the plant was designed to
58 accommodate, (C) any project for which final grant calculation has
59 been made after June 30, 1975, but prior to July 31, 1983, shall be
60 reimbursed based upon such final calculation, and (D) any such project
61 for which estimated grant payments were begun prior to July 31, 1983,
62 shall be reimbursed based upon the calculation formula used in
63 making such estimated grant payments;

64 (2) In case of projects involving the purchase of an existing building
65 to be used for school purposes, the eligible percentage, as determined
66 in section 10-285a, as amended, of the eligible cost as determined by
67 the Commissioner of Education, provided any project for which an
68 application is made on or after July 1, 1995, involving the purchase and
69 renovation of an existing facility, may be exempt from the standard
70 space specifications, and otherwise ineligible repairs and replacements
71 may be considered eligible for reimbursement as part of such a project,
72 if information is provided acceptable to the commissioner
73 documenting the need for such work and the cost savings to the state
74 and the school district of such purchase and renovation project in
75 comparison to alternative construction options;

76 (3) If any school building project described in subdivisions (1) and
77 (2) of this subsection includes the construction, extension or major
78 alteration of outdoor athletic facilities, tennis courts or a natatorium,
79 gymnasium or auditorium, the grant for the construction of such
80 outdoor athletic facilities, tennis courts and natatorium shall be limited
81 to one-half of the eligible percentage for subdivisions (1) and (2) of the
82 net eligible cost of construction thereof; the grant for the construction
83 of an area of spectator seating in a gymnasium shall be one-half of the
84 eligible percentage for subdivisions (1) and (2) of the net eligible cost of
85 construction thereof; and the grant for the construction of the seating
86 area in an auditorium shall be limited to one-half of the eligible
87 percentage for subdivisions (1) and (2) of the net eligible cost of

88 construction of the portion of such area that seats one-half of the
89 projected enrollment of the building, as defined in subdivision (1) of
90 this subsection, which it serves;

91 (4) In the case of a regional vocational agriculture center or the
92 purchase of equipment pursuant to subsection (a) of section 10-65 or a
93 regional special education facility pursuant to section 10-76e, an
94 amount equal to the eligible cost of such project, as determined by the
95 Commissioner of Education;

96 (5) In the case of a public school administrative or service facility,
97 one-half of the eligible percentage for subdivisions (1) and (2) of this
98 subsection of the eligible project cost as determined by the
99 Commissioner of Education, or in the case of a regional educational
100 service center administrative or service facility, the eligible percentage,
101 as determined pursuant to subsection (c) of section 10-285a, as
102 amended, of the eligible project cost as determined by the
103 commissioner;

104 (6) In the case of the total replacement of a roof or the total
105 replacement of a portion of a roof which has existed for at least twenty
106 years, or in the case of the total replacement of a roof or the total
107 replacement of a portion of a roof which has existed for fewer than
108 twenty years when it is determined by a registered architect or
109 registered engineer that such roof was improperly designed or
110 improperly constructed and the town is prohibited from recovery of
111 damages or has no other recourse at law or in equity, the eligible
112 percentage for subdivisions (1) and (2) of this subsection, of the eligible
113 cost as determined by the Commissioner of Education. In the case of
114 the total replacement of a roof or the total replacement of a portion of a
115 roof which has existed for fewer than twenty years (A) when it is
116 determined by a registered architect or registered engineer that such
117 roof was improperly designed or improperly constructed and the town
118 has recourse at law or in equity and recovers less than such eligible
119 cost, the eligible percentage for subdivisions (1) and (2) of this
120 subsection of the difference between such recovery and such eligible

121 cost, and (B) when the roof is at least fifteen years old but less than
122 twenty years old and it cannot be determined by a registered architect
123 or registered engineer that such roof was improperly designed or
124 improperly constructed, the eligible percentage for subdivisions (1)
125 and (2) of this subsection of the eligible project costs provided such
126 costs are multiplied by the ratio of the age of the roof to twenty years.
127 For purposes of this subparagraph, the age of the roof shall be
128 determined in whole years to the nearest year based on the time
129 between the completed installation of the old roof and the date of the
130 grant application for the school construction project for the new roof;

131 (7) For the fiscal year ending June 30, 1984, and for each fiscal year
132 thereafter, in the case of projects to correct code violations, the eligible
133 percentage, as determined in section 10-285a, as amended, of the
134 eligible cost as determined by the Commissioner of Education;

135 (8) In the case of a renovation project for which an application is
136 made on or after July 1, 1995, the eligible percentage as determined in
137 subsection (b) of section 10-285a, as amended, multiplied by the
138 eligible costs as determined by the commissioner, provided the project
139 may be exempt from the standard space specifications, and otherwise
140 ineligible repairs and replacements may be considered eligible for
141 reimbursement as part of such a project, if information is provided
142 acceptable to the commissioner documenting the need for such work
143 and the cost savings to the state and the school district of such
144 renovation project in comparison to alternative construction options;

145 (9) In the case of projects approved to remedy certified school
146 indoor air quality emergencies, the eligible percentage, as determined
147 in section 10-285a, as amended, of the eligible cost as determined by
148 the Commissioner of Education;

149 (10) On or after January 1, 2007, in the case of a construction of a
150 school building that is projected to cost not less than five million
151 dollars that is consistent with or exceeds the building construction
152 standards developed pursuant to subsection (b) of section 1 of this act,

153 or for the renovation of a school building that is projected to cost not
154 less than two million dollars that complies with said standards, one
155 hundred per cent of the costs of construction or renovation that are
156 attributable to conforming the construction or renovation to said
157 standards, as determined by the commissioner, in consultation with
158 the Secretary of the Office of Policy and Management.

159 (b) (1) In the case of all grants computed under this section for a
160 project which constitutes a replacement, extension or major alteration
161 of a damaged or destroyed facility, no grant may be paid if a local or
162 regional board of education has failed to insure its facilities and capital
163 equipment in accordance with the provisions of section 10-220. The
164 amount of financial loss due to any damage or destruction to any such
165 facility, as determined by ascertaining the replacement value of such
166 damage or destruction, shall be deducted from project cost estimates
167 prior to computation of the grant.

168 (2) In the case of any grants computed under this section for a
169 school building project authorized pursuant to section 10-283 after July
170 1, 1979, any federal funds or other state funds received for such school
171 building project shall be deducted from project costs prior to
172 computation of the grant.

173 (3) The limitation on grants for new outdoor athletic facilities, tennis
174 courts, natatorium, gymnasium and auditorium shall not apply to
175 school building projects for which applications for review of
176 preliminary plans and specifications on Form 2A were submitted prior
177 to October 1, 1975, in the case of towns and prior to October 15, 1975,
178 in the case of regional school districts.

179 (4) Commencing with the school construction projects authorized by
180 the General Assembly during the fiscal year ending June 30, 1985, and
181 for all such projects so authorized thereafter, the calculation of grants
182 pursuant to this section shall be made in accordance with the state
183 standard space specifications in effect at the time of the final grant
184 calculation, except that on and after July 1, 2005, in the case of a school

185 district with an enrollment of less than one hundred fifty students in
186 grades kindergarten to grade eight, inclusive, state standard space
187 specifications shall not apply in the calculation of grants pursuant to
188 this section and the Commissioner of Education may modify the
189 standard space specifications for a project in such district.

190 (c) In the computation of grants pursuant to this section for any
191 school building project authorized by the General Assembly pursuant
192 to section 10-283 after January 1, 1993, any maximum square footage
193 per pupil limit established pursuant to this chapter or any regulation
194 adopted by the State Board of Education pursuant to this chapter shall
195 be increased by twenty-five per cent for a building constructed prior to
196 1950, except that a board of education may apply to the department by
197 June 30, 2002, for use of such increased percentage for a building
198 constructed prior to July 1, 1951.

199 (d) In the computation of grants pursuant to this section for any
200 school building project authorized by the General Assembly pursuant
201 to section 10-283 after January 1, 2004, any maximum square footage
202 per pupil limit established pursuant to this chapter or any regulation
203 adopted by the State Board of Education pursuant to this chapter shall
204 be increased by up to one per cent to accommodate a heating,
205 ventilation or air conditioning system, if needed.

206 Sec. 3. Subdivision (16) of subsection (a) of section 16a-48 of the
207 general statutes is repealed and the following is substituted in lieu
208 thereof (*Effective October 1, 2006*):

209 (16) "Commercial refrigerators and freezers" means reach-in
210 cabinets, pass-through cabinets, roll-in cabinets and roll-through
211 cabinets that have less than eighty-five feet of capacity [. "Commercial
212 refrigerators and freezers" does not include walk-in models or
213 consumer products regulated under the federal National Appliance
214 Energy Conservation Act of 1987] designed for the refrigerated or
215 frozen storage of food and food products.

216 Sec. 4. Subsection (a) of section 16a-48 of the general statutes is

217 amended by adding subdivisions (23) to (41), inclusive, as follows
218 (*Effective October 1, 2006*):

219 (NEW) (23) "Electricity ratio" means the ratio of furnace electricity
220 use to total furnace energy use;

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

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

227 (NEW) (26) "Residential furnace or boiler" means a product that
228 utilizes only single-phase electric current, or single-phase electric
229 current or DC current in conjunction with natural gas, propane or
230 home heating oil, and which (A) is designed to be the principal heating
231 source for the living space of a residence; (B) is not contained within
232 the same cabinet with a central air conditioner with a rated cooling
233 capacity of not less than 65,000 BTUs per hour; (C) is an electric central
234 furnace, electric boiler, forced-air central furnace, gravity central
235 furnace, or low pressure steam or hot water boiler; and (D) has a heat
236 input rate of less than 300,000 BTUs per hour for electric boilers and
237 low pressure steam or hot water boilers and less than 225,000 BTUs per
238 hour for forced-air central furnaces, gravity central furnaces and
239 electric central furnaces;

240 (NEW) (27) "Furnace air handler" means the section of the furnace
241 that includes the fan, blower and housing, generally upstream of the
242 burners and heat exchanger. The furnace air handler may include a
243 filter and a cooling coil;

244 (NEW) (28) "High-intensity discharge lamp" means a lamp in which
245 light is produced by the passage of an electric current through a vapor
246 or gas, and in which the light-producing arc is stabilized by bulb wall
247 temperature and the arc tube has a bulb wall loading in excess of three

248 watts per square centimeter;

249 (NEW) (29) "Medium voltage dry-type distribution transformer"
250 means a transformer that (A) has an input voltage of not less than 600
251 volts but not more than 34,400 volts; (B) is air-cooled; (C) does not use
252 oil as a coolant; and (D) is rated for operation at a frequency of 60
253 Hertz. "Medium voltage dry-type distribution transformer" does not
254 mean devices with multiple voltage taps, with the highest voltage tap
255 not less than twenty per cent more than the lowest voltage tap, or
256 devices that are designed to be used in a special purpose application
257 and are unlikely to be used in general purpose applications including
258 drive transformers, rectifier transformers, auto transformers,
259 uninterruptible power system transformers, impedance transformers,
260 regulating transformers, sealed and nonventilating transformers,
261 machine tool transformers, welding transformers, grounding
262 transformers or testing transformers;

263 (NEW) (30) "Metal halide lamp" means a high intensity discharge
264 lamp in which the major portion of the light is produced by radiation
265 of metal halides and their products of dissociation, possibly in
266 combination with metallic vapors;

267 (NEW) (31) "Metal halide lamp fixture" means a light fixture
268 designed to be operated with a metal halide lamp and a ballast for a
269 metal halide lamp;

270 (NEW) (32) "Probe start metal halide ballast" means a ballast used to
271 operate metal halide lamps that does not contain an ignitor and that
272 instead starts lamps by using a third starting electrode probe in the arc
273 tube;

274 (NEW) (33) "Single voltage external AC to DC power supply" means
275 a device that (A) is designed to convert line voltage AC input into
276 lower voltage DC output; (B) is able to convert to only one DC output
277 voltage at a time; (C) is sold with, or intended to be used with, a
278 separate end-use product that constitutes the primary power load; (D)
279 is contained within a separate physical enclosure from the end-use

280 product; (E) is connected to the end-use product in a removable or
281 hard-wired male and female electrical connection, cable, cord or other
282 wiring; (F) does not have batteries or battery packs, including those
283 that are removable or that physically attach directly to the power
284 supply unit; (G) does not have a battery chemistry or type selector
285 switch and indicator light, or does not have a battery chemistry or type
286 selector switch and a state of charge meter; and (H) has a nameplate
287 output power less than or equal to 250 watts;

288 (NEW) (34) "State regulated incandescent reflector lamp" means a
289 lamp that is not colored or designed for rough or vibration service
290 applications, that has an inner reflective coating on the outer bulb to
291 direct the light, and E26 medium screw base, and a rated voltage or
292 voltage range that lies at least partially within 115 to 130 volts, and that
293 falls into one of the following categories: (A) A bulged reflector or
294 elliptical reflector or a blown PAR bulb shape and that has a diameter
295 that equals or exceeds 2.25 inches, or (B) a reflector, parabolic
296 aluminized reflector, bulged reflector or similar bulb shape and that
297 has a diameter of 2.25 to 2.75 inches. "State regulated incandescent
298 reflector lamp" does not include ER30, BR30, BR40 and ER40 lamps of
299 not more than fifty watts, BR30, BR40 and ER40 lamps of sixty-five
300 watts and R20 lamps of not more than forty-five watts;

301 (NEW) (35) "Bottle-type water dispenser" means a water dispenser
302 that uses a bottle or reservoir as the source of potable water;

303 (NEW) (36) "Commercial hot food holding cabinet" means a heated,
304 fully-enclosed compartment with one or more solid or partial glass
305 doors that is designed to maintain the temperature of hot food that has
306 been cooked in a separate appliance. "Commercial hot food holding
307 cabinet" does not include heated glass merchandizing cabinets, drawer
308 warmers or cook-and-hold appliances;

309 (NEW) (37) "Pool heater" means an appliance designed for heating
310 nonpotable water contained at atmospheric pressure for swimming
311 pools, spas, hot tubs and similar applications, including natural gas,

312 heat pump, oil and electric resistance pool heaters;

313 (NEW) (38) "Portable electric spa" means a factory-built electric spa
314 or hot tub, supplied with equipment for heating and circulating water;

315 (NEW) (39) "Residential pool pump" means a pump used to
316 circulate and filter pool water in order to maintain clarity and
317 sanitation;

318 (NEW) (40) "Walk-in refrigerator" means a space refrigerated to
319 temperatures at or above thirty-two degrees Fahrenheit that can be
320 walked into and is designed for the refrigerated storage of food and
321 food products;

322 (NEW) (41) "Walk-in freezer" means a space refrigerated to
323 temperatures below thirty-two degrees Fahrenheit that can be walked
324 into and is designed for the frozen storage of food and food products.

325 Sec. 5. Subdivision (1) of subsection (d) of section 16a-48 of the
326 general statutes is repealed and the following is substituted in lieu
327 thereof (*Effective October 1, 2006*):

328 (d) (1) [Not later than July 1, 2005, the] The department, in
329 consultation with the secretary, shall adopt regulations, in accordance
330 with the provisions of chapter 54, to implement the provisions of this
331 section and to establish minimum energy efficiency standards for the
332 types of new products set forth in subsection (b) of this section. The
333 regulations shall provide for the following minimum energy efficiency
334 standards:

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

338 (B) [commercial] Commercial refrigerators and freezers shall meet
339 the August 1, 2004, requirements shown in Table A-6 of [said
340 California regulation] the California Code of Regulations, Title 20:
341 Division 2, Chapter 4, Article 4;

342 (C) [~~illuminated~~] Illuminated exit signs shall meet the version 2.0
343 product specification of the "Energy Star Program Requirements for
344 Exit Signs" developed by the United States Environmental Protection
345 Agency;

346 (D) [~~large~~] Large packaged air-conditioning equipment having not
347 more than 760,000 BTUs per hour of capacity shall meet a minimum
348 energy efficiency ratio of 10.0 for units using both electric heat and air
349 conditioning or units solely using electric air conditioning, and 9.8 for
350 units using both natural gas heat and electric air conditioning;

351 (E) [~~large~~] Large packaged air-conditioning equipment having not
352 less than 761,000 BTUs per hour of capacity shall meet a minimum
353 energy efficiency ratio of 9.7 for units using both electric heat and air
354 conditioning or units solely using electric air conditioning, and 9.5 for
355 units using both natural gas heat and electric air conditioning;

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

359 (G) [~~torchiere~~] Torchiere lighting fixtures shall not consume more
360 than 190 watts and shall not be capable of operating with lamps that
361 total more than 190 watts;

362 (H) [~~traffic~~] Traffic signal modules shall meet the product
363 specification of the "Energy Star Program Requirements for Traffic
364 Signals" developed by the United States Environmental Protection
365 Agency that took effect in February, 2001, except where the
366 department, in consultation with the Commissioner of Transportation,
367 determines that such specification would compromise safe signal
368 operation;

369 (I) [~~unit~~] Unit heaters shall not have pilot lights and shall have either
370 power venting or an automatic flue damper;

371 (J) On or after January 1, 2008, residential furnaces and boilers

372 purchased by the state shall meet or exceed the following Annual Fuel
373 Utilization Efficiency: (i) For gas and propane furnaces, ninety per cent
374 Annual Fuel Utilization Efficiency, (ii) for oil furnaces, eighty-three per
375 cent Annual Fuel Utilization Efficiency, (iii) for gas and propane hot
376 water boilers, eighty-four per cent Annual Fuel Utilization Efficiency,
377 (iv) for oil-fired hot water boilers, eighty-four per cent Annual Fuel
378 Utilization Efficiency, (v) for gas and propane steam boilers, eighty-
379 two per cent Annual Fuel Utilization Efficiency, and (vi) for oil-fired
380 steam boilers, eighty-two per cent Annual Fuel Utilization Efficiency;

381 (K) On or after January 1, 2008, furnace air handlers purchased by
382 the state shall have an electricity ratio of not more than 2.0, except air
383 handlers for oil furnaces with a capacity of less than 94,000 BTUs per
384 hour shall have an electricity ratio of 2.3 or less;

385 (L) On or after January 1, 2008, medium voltage dry-type
386 distribution transformers shall meet minimum efficiency levels three-
387 tenths of a percentage point higher than the Class 1 efficiency levels for
388 medium voltage distribution transformers specified in Table 4-2 of the
389 "Guide for Determining Energy Efficiency for Distribution
390 Transformers" published by the National Electrical Manufacturers
391 Association;

392 (M) On or after January 1, 2008, metal halide lamp fixtures
393 manufactured with lamps rated greater than or equal to 150 watts but
394 less than or equal to 500 watts shall not contain a probe-start metal
395 halide lamp ballast in the vertical base up or vertical base down
396 position only;

397 (N) On or after January 1, 2008, single-voltage external AC to DC
398 power supplies shall meet the tier one energy efficiency requirements
399 of section 1605.3 of the January 2006 California Code of Regulations,
400 Title 20, Division 2, Chapter 4, Article 4: Appliance Efficiency
401 Regulations. This standard applies to single voltage AC to DC power
402 supplies that are sold individually and to those that are sold as a
403 component of or in conjunction with another product;

404 (O) On or after January 1, 2008, state regulated incandescent
405 reflector lamps shall be manufactured to meet the minimum average
406 lamp efficacy requirements for federally-regulated incandescent
407 reflector lamps contained in 43 USC 6295 (i)(1)(A);

408 (P) On or after January 1, 2008, bottle-type water dispensers,
409 commercial hot food holding cabinets, portable electric spas, walk-in
410 refrigerators and walk-in freezers shall meet the efficiency
411 requirements of section 1605.3 of the January 2006 California Code of
412 Regulations, Title 20, Division 2, Chapter 4, Article 4: Appliance
413 Efficiency Regulations. On or after January 1, 2010, residential pool
414 pumps shall meet said efficiency requirements;

415 (Q) On or after January 1, 2008, pool heaters shall meet the
416 efficiency requirements of sections 1605.1 and 1605.3 of the January
417 2006 California Code of Regulations, Title 20, Division 2, Chapter 4,
418 Article 4: Appliance Efficiency Regulations.

419 Sec. 6. Section 4a-67c of the general statutes is repealed and the
420 following is substituted in lieu thereof (*Effective October 1, 2006*):

421 The Department of Administrative Services and each other
422 budgeted agency, as defined in section 4-69, exercising procurement
423 authority shall procure equipment and appliances for state use which
424 meet or exceed the federal energy conservation standards set forth in
425 the Energy Policy and Conservation Act, 42 USC 6295, any federal
426 regulations adopted thereunder, [and] any applicable energy
427 performance standards established in accordance with subsection (j) of
428 section 16a-38 and meet the federal Energy Star standards. Purchases
429 of equipment and appliances for which energy performance standards
430 have been established pursuant to subsection (j) of section 16a-38 shall
431 be (1) made from among those specific models of equipment and
432 appliances which meet such standards, and (2) based, when possible,
433 on competitive bids. Such bids shall be evaluated on the basis of the
434 life-cycle cost standards, if any, established pursuant to subsection (b)
435 of section 16a-38.

436 Sec. 7. Subdivision (44) of subsection (a) of section 16-1 of the 2006
437 supplement to the general statutes is repealed and the following is
438 substituted in lieu thereof (*Effective October 1, 2006*):

439 (44) "Class III renewable energy source" means the electricity output
440 from combined heat and power systems with an operating efficiency
441 level of no less than fifty per cent that are part of customer-side
442 distributed resources developed at commercial and industrial facilities
443 in this state on or after January 1, 2006, or the electricity savings
444 [created at commercial and industrial facilities in this state from]
445 conservation and load management programs and measures begun on
446 or after January 1, 2006, provided residential customers may receive
447 credit for said programs and measures financed by the Conservation
448 and Load Management Fund pursuant to section 16-245m, as
449 amended.

450 Sec. 8. Subsection (e) of section 16-243q of the 2006 supplement to
451 the general statutes is repealed and the following is substituted in lieu
452 thereof (*Effective October 1, 2006*):

453 (e) The Department of Public Utility Control shall conduct a
454 contested proceeding to develop the administrative processes and
455 program specifications that are necessary to implement a Class III
456 conservation and distributed resources trading program. The
457 proceeding shall include, but not be limited to, an examination of
458 issues such as (1) the manner in which qualifying activities are
459 certified, tracked and reported, (2) the manner in which Class III
460 certificates are created, accounted for and transferred, [(3) the
461 feasibility and benefits of expanding eligible Class III resources to
462 include those resulting from electricity savings made by residential
463 customers, (4)] (3) verification of the accuracy of conservation and
464 customer-side distributed resources credits, [(5)] (4) verification of the
465 fact that resources or credits used to satisfy the requirement of this
466 section have not been used to satisfy any other portfolio or similar
467 requirement, [(6)] (5) the manner in which credits created by
468 conservation and customer-side distributed resources may best be

469 allocated to maximize the impact of the trading program, and [(7)] (6)
470 setting such alternative payment amounts at a level that encourages
471 development of conservation and customer-side distributed resources.
472 The department may retain the services of a third party entity with
473 expertise in the development of energy efficiency trading or
474 verification programs to assist in the development and operation of the
475 program. The department shall issue a decision no later than February
476 1, [2006] 2007.

This act shall take effect as follows and shall amend the following sections:		
Section 1	<i>October 1, 2006</i>	New section
Sec. 2	<i>October 1, 2006</i>	10-286
Sec. 3	<i>October 1, 2006</i>	16a-48(a)(16)
Sec. 4	<i>October 1, 2006</i>	16a-48(a)
Sec. 5	<i>October 1, 2006</i>	16a-48(d)(1)
Sec. 6	<i>October 1, 2006</i>	4a-67c
Sec. 7	<i>October 1, 2006</i>	16-1(a)(44)
Sec. 8	<i>October 1, 2006</i>	16-243q(e)

ET

Joint Favorable Subst. C/R

ED