GENERAL ASSEMBLY OF NORTH CAROLINA **SESSION 2021**

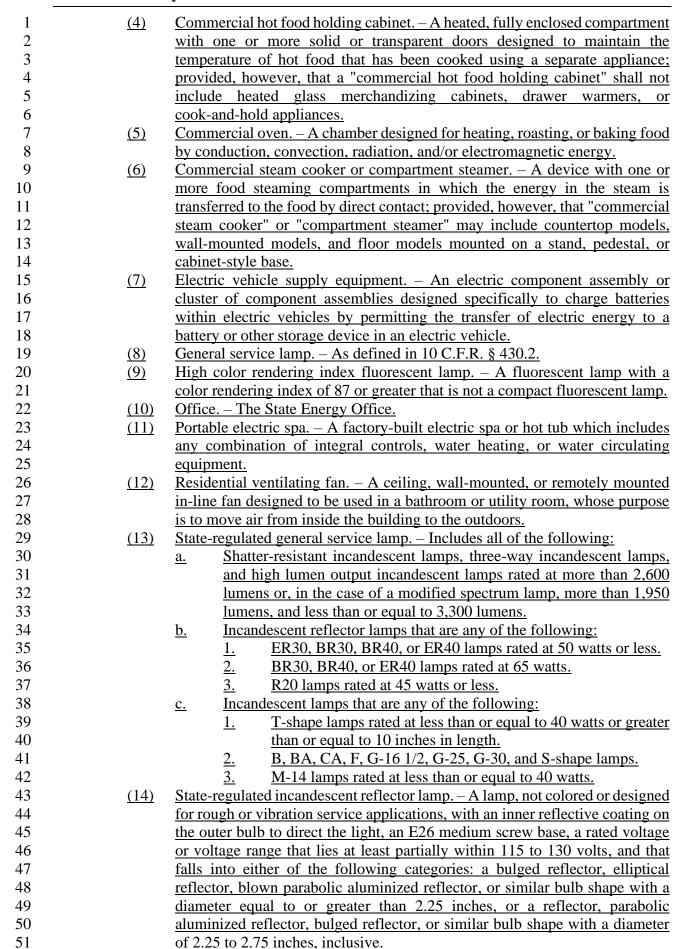
FILED SENATE Apr 5, 2021 S.B. 556 PRINCIPAL CLERK D

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SENATE BILL DRS45310-MH-86

Short Title:	Appliance Energy Efficiency Standards.	(Public)		
Sponsors:	nators Salvador, Woodard, and Garrett (Primary Sponsors).			
Referred to:				
	A BILL TO BE ENTITLED			
AN ACT TO ENACT STATE ENERGY EFFICIENCY STANDARDS FOR CERTAIN				
APPLIAN				
	Assembly of North Carolina enacts:	andad by addina		
SECTION 1. Article 7 of Chapter 143B of the General Statutes is amended by adding a new Part to read:				
"Part 32A. North Carolina Appliance Efficiency Standards Act.				
"§ 143B-344.45. Lead agency; powers and duties.				
	or the purposes of this Part, the Department of Environmental Quali	tv. State Energy		
Office, is designated as the lead State agency in matters pertaining to appliance standards.				
(b) The Office shall have the following powers and duties with respect to this Part:				
<u>(1</u>	To cause periodic inspections to be made of distributors or	retailers of new		
	appliances in order to determine compliance with this Part.			
	also work with the Department of Insurance to coordinate ins	pections for new		
	products that are also covered by the State Building Code.			
<u>(2</u>				
	violations of this Part and to report the results of such inve	_		
	Attorney General. The Attorney General may institute proceed	dings to enforce		
"\$ 1/2D 2//	the provisions of this Part. 45.4 Definitions			
" <u>§ 143B-344.45A. Definitions.</u> The following definitions apply in this Part:				
(1		ee of color-shift		
<u>(1</u>	objects undergo when illuminated by a light source as compa			
	of those same objects when illuminated by a reference source			
	color temperature.			
<u>(2</u>	-	l sanitize plates,		
	pots, pans, glasses, cups, bowls, utensils, and trays by app			
	detergent solution (with or without blasting media granules)	and a sanitizing		
	<u>rinse.</u>			
<u>(3</u>				
	placed to such a depth that the cooking food is essential			
	displacement of the cooking fluid rather than by the bottom of			
	heat is delivered to the cooking fluid by means of an in			
	element of band-wrapped vessel, such as electric fryers, or			
	from gas burners through either the walls of the fryer or through through the coalling flyid guch as gas fryers	gn tubes passing		
	through the cooking fluid, such as gas fryers.			





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"§ 143B-344.45B. Application of Part.

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- The provisions of this Part shall apply to the testing, certification, and enforcement of efficiency standards for lamps and for the following types of new lamps or appliances sold, offered for sale, or installed in the State:
 - (1) Commercial hot food holding cabinets.
 - (2) Computers and computer monitors.
 - State-regulated general service lamps. (3)
 - (4) State-regulated incandescent reflector lamps.
 - High CRI (color rendering index) fluorescent lamps. (5)
 - Portable electric spas. (6)
 - (7) Water coolers.
 - (8) Residential ventilating fans.
- (9) Commercial ovens.
 - (10)Commercial dishwashers.
 - (11)Commercial fryers.
 - Commercial steam cookers. (12)
 - (13)Electric vehicle supply equipment.
 - (b) The provisions of this Chapter shall not apply to any of the following:
 - New appliances or lamps manufactured in the State and sold outside the State. (1)
 - (2) New appliances or lamps manufactured outside the State and sold at wholesale inside the State for final retail sale and installation outside the State.
 - Appliances or lamps installed in manufactured homes at the time of <u>(3)</u> construction.
 - <u>(4)</u> Appliances or lamps designed expressly for installation and use in recreational vehicles.

"§ 143B-344.45C. Restriction on sale or installation.

- No new appliance listed in G.S. 143B-344.45C(a) may be sold, offered for sale, or installed in the State on or after January 1, 2023, unless the energy efficiency of the appliance meets or exceeds the standards established pursuant to this Part.
- No new lamp listed in G.S. 143B-344.45C(a) shall be installed in the State in a building other than a residence on or after January 1, 2024, unless the energy efficiency of the lamp meets or exceeds the standards established by the Office pursuant to this Part. The Office may adopt rules to establish exemptions for certain lamps used for specified purposes.

"§ 143B-344.45D. Energy efficiency standards.

- Prohibition. No new commercial dishwasher, commercial fryer, commercial hot food holding cabinet, commercial oven, commercial steam cooker, computer or computer monitor, electric vehicle supply equipment, faucet, high CRI fluorescent lamp, portable electric spa, residential ventilating fan, showerhead, spray sprinkler body, urinal, water closet, or water cooler shall be sold or offered for sale, lease, or rent in the State unless the efficiency of the new product meets or exceeds the efficiency standards set forth in the regulations adopted pursuant to this section. No State-regulated general service or incandescent reflector lamp shall be sold or offered for sale in the State unless the efficiency of the new product meets or exceeds the efficiency standards provided in this section.
- Minimum Standards. The regulations shall provide for the following minimum efficiency standards:
 - (1) Commercial hot food holding cabinets shall meet the qualification criteria of the ENERGY STAR program product specifications for commercial hot food holding cabinets, Version 2.0.
 - Computers and computer monitors shall meet the requirements of section (2) 1605.3 of Title 20 of the California Code of Regulations (Title 20), as in effect on the effective date of this section, as measured in accordance with test

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1		methods prescribed in section 1604 of Title 20 of the California Code of
2		Regulations; provided, however, that the rules adopted by the Office shall
3		define "computer" and "computer monitor" to have the same meaning as set
4		forth in section 1602(v) of Title 20 of the California Code of Regulations; and
5		provided further that the referenced portions of the California Code of
6		Regulations shall be those adopted on or before April 1, 2021; and provided
7		further that the Office may amend the regulations so that the definitions of
8		"computer" and "computer monitor" and the minimum efficiency standards
9		for computers and computer monitors conform to subsequently adopted
10		modifications to the referenced sections of the California Code of Regulations.
11	<u>(3)</u>	State-regulated general service lamps shall meet or exceed a lamp efficacy of
12		45 lumens per watt, when tested in accordance with the applicable federal test
13		procedures for general service lamps, prescribed in section 430.23 (gg) of
14		<u>Title 10 of the Code of Federal Regulations.</u>
15	<u>(4)</u>	State-regulated incandescent reflector lamps shall meet the minimum average
16		lamp efficiency requirements for federally regulated incandescent reflector
17		lamps contained in 42 U.S.C. § 6295(i)(1)(A). The following lamps are
18		exempt from these requirements: ER30, BR30, BR40, and ER40 of 50 watts
19		or less; BR30, BR40, and ER40 of 65 watts; and R20 of 45 watts or less.
20	<u>(5)</u>	High CRI fluorescent lamps shall meet the minimum efficiency requirements
21		contained in section 430.32(n)(4) of Title 10 of the Code of Federal
22		Regulations as in effect on January 3, 2019, when tested in accordance with
23		the test procedure prescribed in Appendix R to Subpart B of Part 430 of Title
24		10 of the Code of Federal Regulations as in effect on January 3, 2019.
25	<u>(6)</u>	Portable electric spas shall meet the requirements of the American National
26		Standard 576 for Portable Electric Spa Energy Efficiency
27		(ANSI/APSP/ICC-14-2019).
28	<u>(7)</u>	Water coolers shall have on mode with no water draw energy consumption, a
29		test that records the 24-hour energy consumption of a water cooler with no
30		water drawn during the test period, less than or equal to the following, as
31		measured in accordance with the test criteria prescribed in Version 2.0 of the
32		ENERGY STAR program product specifications for water coolers:
33		a. <u>0.16 kilowatt-hours per day for cold-only and cook-and-cold units.</u>
34		b. <u>0.87 kilowatt-hours per day for hot-and-cold units—storage type.</u>
35		c. <u>0.18 kilowatt-hours per day for hot and cold units—on demand. For</u>
36		purposes of this sub-subdivision, "on demand" means that the water
37	(0)	cooler heats water as it is requested.
38 39	<u>(8)</u>	Residential ventilating fans shall meet the qualification criteria of the
40		ENERGY STAR Program Requirements Product Specification for Residential Ventilating Fans, Version 4.1.
41	<u>(9)</u>	Commercial ovens included in the scope of the ENERGY STAR Program
42	<u>(9)</u>	Requirements Product Specification for Commercial Ovens, Version 2.2,
43		shall meet the qualification criteria of that specification.
44	<u>(10)</u>	Commercial dishwashers included in the scope of the ENERGY STAR
45	(10)	Program Requirements Product Specification for Commercial Dishwashers,
46		Version 2.0, shall meet the qualification criteria of that specification.
47	(11)	Commercial fryers included in the scope of the ENERGY STAR Program
48	(11)	Requirements Product Specification for Commercial Fryers, Version 2.0,
49		shall meet the qualification criteria of that specification.
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- (12) Commercial steam cookers shall meet the requirements of the ENERGY STAR Program Requirements Product Specification for Commercial Steam Cookers, Version 1.2.
 - (13) Electric vehicle supply equipment included in the scope of the ENERGY STAR Program Requirements Product Specification for Electric Vehicle Supply Equipment, Version 1.0 (Rev. Apr-2017), shall meet the qualification criteria of that specification.
- c) Testing Procedures. The Office shall adopt procedures for testing the energy efficiency of the appliances and lamps covered by this Part if such procedures are not provided for in any other applicable code regarding the testing of appliance efficiency. The Office shall use United States Department of Energy–approved test methods, or in the absence of such test methods, other appropriate nationally recognized test methods applicable to the respective appliances and lamps. The manufacturer shall cause the testing of samples of each model of each appliance and lamp covered by this Chapter in accordance with the test procedures adopted pursuant to this section or those specified in any other applicable code regarding the testing of appliance efficiency. If products so tested are found not to be in compliance with the minimum efficiency standards established under subsection (b) of this section, the Office shall (i) charge the manufacturer of such product for the cost of product purchase and testing and (ii) provide information to the public on products found not to be in compliance with the standards.

In adopting test procedures for determining energy efficiency, the Office may consult with other appropriate State agencies and may adopt updated test methods when new versions of test procedures become available.

"§ 143B-344.45E. Certification of compliance; product labeling.

- (a) Certification. Manufacturers of appliances and lamps covered by this Chapter shall certify to the commissioner that such appliances and lamps are in compliance with the provisions of this Chapter. The commissioner shall promulgate regulations governing the certification of appliances and lamps covered by this Chapter and shall publish an annual list of such appliances and lamps. Manufacturers' certifications shall be based on test results. The commissioner shall coordinate with the certification programs of other states and federal agencies with similar standards to the maximum extent practicable, including investigating whether certification in another state can serve as a substitute for certification in the commonwealth. Single voltage external AC to DC power supplies shall be exempt from the requirements of this section.
- (b) Labeling. Manufacturers of new products covered by this Part shall identify each product offered for sale or installed in the State as in compliance with this Chapter by means of a mark, label, or tag on the product and packaging at the time of sale or installation. The Office shall promulgate regulations governing the identification of such products and packaging, which shall be coordinated to the greatest practical extent with the labeling programs of other states and federal agencies with equivalent efficiency standards. The Office shall allow the use of existing marks, labels, or tags which connote compliance with the efficiency requirements of this Chapter. State-regulated incandescent reflector lamps and general service lamps shall be exempt from the requirements of this subsection. The Office, in consultation with other states, product manufacturers, and other interested parties, shall study and evaluate the usefulness and effectiveness of such markings for incandescent reflector lamps and general service lamps.

"§ 143B-344.45F. Enforcement; penalties.

Failure to comply with any of the provisions of this Part shall constitute an unfair or deceptive act under the provisions of G.S. 75-1.1. Any person who violates any provision of this Part shall be punished by a civil penalty as provided in G.S. 75-15.2. Each violation of this Part shall constitute a separate offense, and each day such violation continues shall constitute a separate offense."

SECTION 2. The State Energy Office may adopt temporary rules and shall adopt permanent rules to implement the provisions of this act.

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SECTION 3. Section 1 of this act becomes effective January 1, 2023, except that the portions of Part 32A of Article 7 of Chapter 143B of the General Statutes, as enacted by Section 1 of this act, regulating lamps, become effective January 1, 2024. The remainder of this act is effective when it becomes law.

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