

**DOCKETED**

<b>Docket Number:</b>	20-AAER-04
<b>Project Title:</b>	Appliance Efficiency Standards Regulations for Portable Electric Spas
<b>TN #:</b>	239666
<b>Document Title:</b>	Office of Administrative Law Approval
<b>Description:</b>	OAL Approval Notice, Form 400, and Final Approved Express Terms
<b>Filer:</b>	Jessica Lopez
<b>Organization:</b>	California Energy Commission
<b>Submitter Role:</b>	Commission Staff
<b>Submission Date:</b>	9/10/2021 12:50:49 PM
<b>Docketed Date:</b>	9/10/2021

**State of California  
Office of Administrative Law**

**In re:**  
**California Energy Commission**

**Regulatory Action:**

**Title 20, California Code of Regulations**

**Adopt sections:**

**Amend sections:** 1602, 1604, 1605.3, 1606,  
1607

**Repeal sections:**

**NOTICE OF APPROVAL OF REGULATORY  
ACTION**

**Government Code Section 11349.3**

**OAL Matter Number: 2021-0727-02**

**OAL Matter Type: Regular (S)**

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This rulemaking action by the California Energy Commission updates the test procedure for portable electric spas to ANSI/APSP/ICC-14 2019, American National Standard for Portable Electric Spa Energy Efficiency, and updates existing labeling requirements.

OAL approves this regulatory action pursuant to section 11349.3 of the Government Code. This regulatory action becomes effective on 1/1/2022.



**Date:** September 8, 2021

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Lindsey S. McNeill  
Senior Attorney

**For:** Kenneth J. Pogue  
Director

**Original:** Drew Bohan, Executive Director  
**Copy:** Corrine Fishman

NOTICE PUBLICATION/REGULATION SUBMISSION

REGULAR

See instructions on reverse)

For use by Secretary of State only

STD. 400 (REV. 10/2019)

OAL FILE NUMBERS	NOTICE FILE NUMBER Z-2021-0504-04	REGULATORY ACTION NUMBER 2021-0727-025	EMERGENCY NUMBER
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ENDORSED - FILED  
in the office of the Secretary of State  
of the State of California

SEP 08 2021

1:16 pm

For use by Office of Administrative Law (OAL) only	
<p>OFFICE OF ADMINISTRATIVE LAW</p> <p><b>Electronic Submission</b></p> <p>RECEIVED DATE      PUBLICATION DATE</p> <p>5/4/2021              5/14/2021</p> <p>NOTICE</p>	<p>OFFICE OF ADMIN. LAW</p> <p>2021 JUL 27 PM 3:42</p> <p>REGULATIONS</p>

AGENCY WITH RULEMAKING AUTHORITY California Energy Commission	AGENCY FILE NUMBER (If any) 20-AAER-04
------------------------------------------------------------------	-------------------------------------------

A. PUBLICATION OF NOTICE (Complete for publication in Notice Register)

1. SUBJECT OF NOTICE Portable Electric Spas Rulemaking	TITLE(S) 20	FIRST SECTION AFFECTED 1602	2. REQUESTED PUBLICATION DATE May 14, 2021
3. NOTICE TYPE <input checked="" type="checkbox"/> Notice re Proposed Regulatory Action <input type="checkbox"/> Other	4. AGENCY CONTACT PERSON Corrine Fishman	TELEPHONE NUMBER (916) 690-5000	FAX NUMBER (Optional)
OAL USE ONLY <input type="checkbox"/> Approved as Submitted <input type="checkbox"/> Approved as Modified <input type="checkbox"/> Disapproved/Withdrawn	NOTICE REGISTER NUMBER	PUBLICATION DATE	

B. SUBMISSION OF REGULATIONS (Complete when submitting regulations)

1a. SUBJECT OF REGULATION(S) Portable Electric Spas	1b. ALL PREVIOUS RELATED OAL REGULATORY ACTION NUMBER(S)
2. SPECIFY CALIFORNIA CODE OF REGULATIONS TITLE(S) AND SECTION(S) (including title 26, if toxics related)	
SECTION(S) AFFECTED (List all section number(s) individually. Attach additional sheet if needed.)	ADOPT
	AMEND
	REPEAL
TITLE(S) 20	1602, 1604, 1605.3, 1606, 1607

3. TYPE OF FILING			
<input checked="" type="checkbox"/> Regular Rulemaking (Gov. Code §11346)	<input type="checkbox"/> Certificate of Compliance: The agency officer named below certifies that this agency complied with the provisions of Gov. Code §§11346.2-11347.3 either before the emergency regulation was adopted or within the time period required by statute.	<input type="checkbox"/> Emergency Readopt (Gov. Code, §11346.1(h))	<input type="checkbox"/> Changes Without Regulatory Effect (Cal. Code Regs., title 1, §100)
<input type="checkbox"/> Resubmittal of disapproved or withdrawn nonemergency filing (Gov. Code §§11349.3, 11349.4)	<input type="checkbox"/> Resubmittal of disapproved or withdrawn emergency filing (Gov. Code, §11346.1)	<input type="checkbox"/> File & Print	<input type="checkbox"/> Print Only
<input type="checkbox"/> Emergency (Gov. Code, §11346.1(b))		<input type="checkbox"/> Other (Specify)	

4. ALL BEGINNING AND ENDING DATES OF AVAILABILITY OF MODIFIED REGULATIONS AND/OR MATERIAL ADDED TO THE RULEMAKING FILE (Cal. Code Regs. title 1, §44 and Gov. Code §11347.1)

5. EFFECTIVE DATE OF CHANGES (Gov. Code, §§ 11343.4, 11346.1(d); Cal. Code Regs., title 1, §100)	request per agency
<input checked="" type="checkbox"/> Effective January 1, April 1, July 1, or October 1 (Gov. Code §11343.4(a))	<input type="checkbox"/> Effective on filing with Secretary of State <input type="checkbox"/> \$100 Changes Without Regulatory Effect <input type="checkbox"/> Effective other (Specify)

6. CHECK IF THESE REGULATIONS REQUIRE NOTICE TO, OR REVIEW, CONSULTATION, APPROVAL OR CONCURRENCE BY, ANOTHER AGENCY OR ENTITY		
<input type="checkbox"/> Department of Finance (Form STD. 399) (SAM §6660)	<input type="checkbox"/> Fair Political Practices Commission	<input type="checkbox"/> State Fire Marshal
<input type="checkbox"/> Other (Specify)		

7. CONTACT PERSON Corrine Fishman, Regulations Manager	TELEPHONE NUMBER (916) 690-5000	FAX NUMBER (Optional)	E-MAIL ADDRESS (Optional) corrine.fishman@energy.ca.gov
-----------------------------------------------------------	------------------------------------	-----------------------	------------------------------------------------------------

8. I certify that the attached copy of the regulation(s) is a true and correct copy of the regulation(s) identified on this form, that the information specified on this form is true and correct, and that I am the head of the agency taking this action, or a designee of the head of the agency, and am authorized to make this certification.

SIGNATURE OF AGENCY HEAD OR DESIGNEE Drew Bohan	DATE 7/24/2021
TYPED NAME AND TITLE OF SIGNATORY Drew Bohan, Executive Director	

For use by Office of Administrative Law (OAL) only

ENDORSED APPROVED

SEP 08 2021

Office of Administrative Law

request per agency 9/7/21

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**California Code of Regulations**  
**Title 20. Public Utilities and Energy**  
**Division 2. State Energy Resources Conservation and Development**  
**Commission**  
**Chapter 4. Energy Conservation**  
**Article 4. Appliance Efficiency Regulations**

7 The proposed changes to the Title 20 regulations are provided below. Changes to the  
8 regulations are marked with underlining (new language) and ~~strikethroughs~~ (deletions).  
9 Three dots or "... " represents the substance of the existing regulations that will remain  
10 unchanged between the sections containing proposed language changes.

11 **§ 1602. Definitions.**

12 ...[skipping (a) through (f)]

13 (g) Pool Heaters; Portable Electric Spas; Residential Pool Pump and Motor  
14 Combinations, and Replacement Residential Pool Pump Motors; and Pumps, Dedicated-  
15 Purpose Pool Pumps, and Replacement Dedicated-Purpose Pool Pump Motors.

16 ...[skipping (1)]

17 (2) Portable Electric Spas Definitions.

18 ...[skipping "Combination spa" to "Exercise spa portion"]

19 "Fill volume" means the water capacity of the portable electric spa, in gallons, at the  
20 halfway point between the bottom of the skimmer opening and the top of the skimmer  
21 opening. In the absence of a skimmer, the fill volume is six inches below the overflow  
22 level of the spa ~~as defined in the test method in section 1604(g)(2)(B)1.~~

23 ...[skipping "Inflatable spa" through end of 1602]

24 Note: Authority cited: Sections 25213, 25218(e), 25401.9, 25402(a)-25402(c) and 25960, Public  
25 Resources Code; and Sections 16, 26 and 30, Governor's Exec. Order No. B-29-15 (April 1,  
26 2015). Reference: Sections 25216.5(d), 25401.9, 25402(a)-25402(c), 25402.5.4 and 25960,  
27 Public Resources Code; and Section 16, Governor's Exec. Order No. B-29-15 (April 1, 2015).  
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29 § 1604. Test Methods for Specific Appliances.

30 ...[skipping (a) through (f)]

31 (g) Pool Heaters; Portable Electric Spas; Residential Pool Pump and Motor  
32 Combinations, and Replacement Residential Pool Pump Motors; and Pumps, Dedicated-  
33 Purpose Pool Pumps, and Replacement Dedicated-Purpose Pool Pump Motors.

34 ...[skipping (1)]

35 (2) Test Method for Portable Electric Spas.

36 (A) ~~The test method for portable electric spas manufactured on or after January 1,~~  
37 ~~2006, and before June 1, 2019, is as follows:~~

- 38 ~~1. Minimum continuous testing time shall be 72 hours.~~
- 39 ~~2. The spa shall be filled with water to the halfway point between the bottom of the~~  
40 ~~skimmer basket opening and the top of the spa. If there is no skimmer basket,~~  
41 ~~the spa shall be filled with water to six inches below the top of the spa.~~
- 42 ~~3. The water temperature shall be 102°F, ± 2°F for the duration of the test.~~
- 43 ~~4. The ambient air temperature shall be 60°F, ± 3°F for the duration of the test.~~
- 44 ~~5. The standard cover that comes with the unit shall be used during the test.~~
- 45 ~~6. The test shall start when the water temperature has been at 102°F, ± 2°F for at~~  
46 ~~least four hours.~~
- 47 ~~7. Record the total energy use for the period of test, starting at the end of the first~~  
48 ~~heating cycle after the stabilization period specified in section 1604(g)(2)(A)6. of~~  
49 ~~this Article, and finishing at the end of the first heating cycle after 72 hours has~~  
50 ~~elapsed.~~
- 51 ~~8. The unit shall remain covered and in the default operation mode during the test.~~  
52 ~~Energy conserving circulation functions, if present, must not be enabled if not~~  
53 ~~appropriate for continuous, long-term use. Ancillary equipment including, but not~~  
54 ~~limited to lights, audio systems, and water treatment devices, shall remain~~  
55 ~~connected to the mains but may be turned off during the test if their controls are~~  
56 ~~user accessible.~~
- 57 ~~9. The measured standby power shall be normalized to a temperature difference of~~  
58 ~~37°F using the equation,~~

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$$P_{\text{norm}} = P_{\text{meas}} \frac{\Delta T_{\text{ideal}}}{\Delta T_{\text{meas}}}$$

Where:

$P_{\text{meas}}$  = measured standby power during test (E/t)

$\Delta T_{\text{ideal}}$  = 37°F

$\Delta T_{\text{meas}}$  =  $T_{\text{water-avg}} - T_{\text{air-avg}}$

$T_{\text{water-avg}}$  = Average water temperature during test

$T_{\text{air-avg}}$  = Average air temperature during test.

10. Data reported shall include: spa identification (make, model, S/N, specifications); volume of the unit in gallons; supply voltage; minimum, maximum, and average water temperatures during test; minimum, maximum, and average ambient air temperatures during test; date of test; length of test (t, in hours); total energy use during the test (E, in Wh); and normalized standby power ( $P_{\text{norm}}$ , in watts).

(B) The test method for portable electric spas manufactured on or after June 1, 2019, is ANSI/APSP/ICC 14 2014, excluding section 8.2, and with the following modifications:

1. All portable electric spas shall be filled with water to the halfway point between the bottom of the skimmer opening and the top of the skimmer opening. In the absence of a skimmer, the fill volume is six inches below the overflow level of the spa.
2. For standard spas and inflatable spas, the test shall start when the water temperature has been at 102°F, ±2°F for at least four hours. The water temperature of the spa shall be a minimum 100°F for the duration of the test.
3. For exercise spas, the test shall start when the water temperature has been at 87°F, ±2°F for at least four hours. The water temperature of the spa shall be a minimum 85°F for the duration of the test. If the exercise spa is capable of maintaining a minimum water temperature of 100°F for the duration of the test, the exercise spa shall be tested in accordance with section 1604(g)(2)(B)2. of this Article.
4. For combination spas, the standard spa portion shall be tested in accordance with section 1604(g)(2)(B)2. of this Article, and the exercise spa portion shall be tested in accordance with section 1604(g)(2)(B)3. of this Article. Record the total energy use for each spa portion separately as described in Section 5.6.5 of ANSI/APSP/ICC 14 2014, while both spa portions are powered on for the duration of the test.

93 (A) The test method for portable electric spas is ANSI/APSP/ICC-14 2019.

94 (B) ~~(C)~~ Test lab report requirements for portable electric spas ~~manufactured on or after~~  
95 ~~June 1, 2019.~~ In addition to the requirements of section 5 and Appendix D of  
96 ANSI/APSP/ICC-14 2014~~2019~~ and section 1606 Table X of this Article, test lab  
97 reports shall include: ~~date of test;~~ minimum and maximum water temperatures  
98 settings; copy of the label(s) per section 1607(d)(13)(B) of this Article; ~~minimum,~~  
99 ~~maximum, and average water temperatures during test;~~ ~~minimum, maximum, and~~  
100 ~~average ambient air temperatures during test;~~ length of test (in hours); record and  
101 plot ambient air temperature (in degrees Fahrenheit), water temperature (in  
102 degrees Fahrenheit), current (in amps), and voltage (in volts) at a maximum interval  
103 of five minutes during test; and, for inflatable spas, a list of the accessories that  
104 were tested with the spa.

105 ...[skipping rest of (g) through (x)]

106 The following documents are incorporated by reference in section 1604.

107 ...[skipping CALIFORNIA ENERGY COMMISSION TEST METHODS through AMERICAN  
108 SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS  
109 (ASHRAE)]

110 THE ASSOCIATION OF POOL AND SPA PROFESSIONALS (APSP)

111 ~~ANSI/APSP/ICC 14 2014~~ ——— ~~American National Standard for Portable Electric Spa~~  
112 ~~Energy Efficiency~~

113 Copies available from: The Association of Pool and Spa Professionals  
114 2111 Eisenhower Avenue, Suite 500  
115 Alexandria, VA 22314-4695  
116 www.apsp.org  
117 Phone: (703) 838-0083

118 ...[skipping CANADIAN STANDARDS ASSOCIATION (CSA) through INSTITUTE OF  
119 ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)]

120 THE POOL AND HOT TUB ALLIANCE

121 ANSI/APSP/ICC-14 2019 American National Standard for Portable Electric Spa  
122 Energy Efficiency

123 Copies available from: Pool & Hot Tub Alliance  
124 2111 Eisenhower Avenue, Suite 500  
125 Alexandria, VA 22314-4695  
126 PHTA.org  
127 Phone: (703) 838-0083

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...[skipping to the end of section 1604]

131 Note: Authority cited: Sections 25213, 25218(e), 25401.9, 25402(a)-25402(c) and 25960,  
132 Public Resources Code; and Sections 16, 26 and 30, Governor's Exec. Order No. B-29-15  
133 (April 1, 2015). Reference: Sections 25216.5(d), 25401.9, 25402(a)-25402(c) and 25960,  
134 Public Resources Code; and Section 16, Governor's Exec. Order No. B-29-15 (April 1,  
135 2015).  
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137 § 1605.3. State Standards for Non-Federally-Regulated Appliances.

138 ...[skipping (a) through (f)]

139 (g) Pool Heaters; Portable Electric Spas; Residential Pool Pump and Motor  
 140 Combinations, and Replacement Residential Pool Pump Motors; and Pumps, Dedicated-  
 141 Purpose Pool Pumps, and Replacement Dedicated-Purpose Pool Pump Motors.

142 ...[skipping (1) through (6)]

143 (7) Portable Electric Spas.

144 (A) ~~The normalized standby power, as defined in section 1604(g)(2)(A)9. of this Article,~~  
 145 ~~of portable electric spas manufactured on or after January 1, 2006, shall be no greater~~  
 146 ~~than  $5(V^{2/3})$  watts, where V = the fill volume, in gallons.~~

147 (BA) The normalized standby power ( $P_{norm}$ ), as defined in Table G-5, of portable  
 148 electric spas shall be no greater than the applicable values shown in Table G-5.

149 ~~manufactured on or after~~ Table G-5  
 150 ~~June 1, 2019,~~ Standards for Portable Electric Spas

Appliance	Normalized Standby Power ( $P_{norm}$ ) Condition	Maximum Standby Power (Watts)
Standard spas and the standard spa portion of combination spas	<del>as defined in Section 6.1 and 6.2 of ANSI/APSP/ICC 14-2014</del> Where: $\Delta T_{std} = 37$ degrees Fahrenheit (21 degrees Celsius)	$3.75V^{2/3} + 40$
Exercise spas and the exercise spa portion of combination spas	<del>as defined in Section 6.1 and 6.3 of ANSI/APSP/ICC 14-2014</del> Where: $\Delta T_{std} = 22$ degrees Fahrenheit (12.2 degrees Celsius)	$3.75V^{2/3} + 40$

Exercise spas and the exercise spa portion of combination spas capable of maintaining a minimum water temperature of 100°F for the duration of the test	<del>as defined in Section 6.1 and 6.2 of ANSI/APSP/ICC 14 2014</del> <u>Where:</u> <u><math>\Delta T_{std} = 37</math> degrees Fahrenheit (21 degrees Celsius)</u>	$3.75V^{2/3} + 40$
Inflatable spas	<del>as defined in Sections 6.1 and 6.2 of ANSI/APSP/ICC 14 2014</del> <u>Where:</u> <u><math>\Delta T_{std} = 37</math> degrees Fahrenheit (21 degrees Celsius)</u>	$7(V^{2/3})$
<u>Where:</u> <u><math>P_{norm} =</math> normalized standby power = <math>P_{meas} (\Delta T_{std} / \Delta T_{meas})</math>, in Watts;</u> <u><math>P_{meas} = E / t</math>;</u> <u><math>E =</math> total energy use during the test, in Watt-hours;</u> <u><math>t =</math> length of test, in hours;</u> <u><math>\Delta T_{meas} = T_{water\ avg} - T_{air\ avg}</math>;</u> <u><math>T_{water\ avg} =</math> average water temperature during test;</u> <u><math>T_{air\ avg} =</math> average air temperature during test;</u> <u><math>V =</math> the fill volume, in gallons.</u>		

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...[skipping (8) through (x)]

The following documents are incorporated by reference in section 1605.3.

...[skipping FEDERAL REQUIREMENTS and AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)]

~~THE ASSOCIATION OF POOL AND SPA PROFESSIONALS (APSP)~~

~~ANSI/APSP/ICC 14 2014 American National Standard for Portable Electric Spa Energy Efficiency~~

~~Copies available from: The Association of Pool and Spa Professionals  
2111 Eisenhower Avenue, Suite 500  
Alexandria, VA 22314 4695~~

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www.apsp.org

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Phone: (703) 838-0083

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...[skipping to the end of section 1605.3]

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Note: Authority cited: Sections 25213, 25218(e), 25401.9, 25402(a)-25402(c) and 25960,

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Public Resources Code; and Sections 16, 26 and 30, Governor's Exec. Order No. B-29-15

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(April 1, 2015). Reference: Sections 25216.5(d), 25401.9, 25402(a)-25402(c) and 25960,

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Public Resources Code; and Section 16, Governor's Exec. Order No. B-29-15 (April 1,

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2015).

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§ 1606. Filing by Manufacturers; Listing of Appliances in the MAEDbS .

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(a) Filing of Statements.

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...[skipping first paragraph through (3)]

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Table X

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Data Submittal Requirements

	<i>Appliance</i>	<i>Required Information</i>	<i>Permissible Answers</i>
	All Appliances	*Manufacturer's Name	
		*Brand Name	
		*Model Number	
		Date model to be displayed	
		Regulatory Status	Federally regulated consumer product, federally regulated commercial and industrial equipment, non-federally regulated

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...[ skipping *Non-Commercial Refrigerators, Non-Commercial Refrigerator-Freezers, Non*

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*-Commercial Freezers through Replacement Dedicated-Purpose Pool Pump Motors*

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*manufactured on or after July 19, 2021]*

G	Portable Electric Spas	*Spa Type	Combination Spa, Exercise Spa, Inflatable Spa, Standard Spa
		*Tested Spa Cover Model Number ( <del>applies to models manufactured on or after June 1, 2019 only</del> )	

	Tested Spa Cover Manufacturer ( <del>applies to models manufactured on or after June 1, 2019 only</del> )	
	Rated Capacity (number of people)	
	Rated Voltage (volts)	
	Tested Spa Cover Is Insulated ( <del>applies to models manufactured on or after June 1, 2019 only</del> )	True, False
	Spa Enclosure Is Fully Insulated	True, False
	Spa Includes a Skimmer	True, False
	Maximum water temperature setting is less than 100°F (for exercise spas and the exercise spa portion of combination spas only) ( <del>applies to models manufactured on or after June 1, 2019 only</del> )	True, False
	Portable Electric Spa Rated Volume (gallons) (for standard spas, inflatable spas, and the standard spa portion of combination spas only)	
	Exercise Spa Rated Volume (gallons) (for exercise spas and the exercise spa portion of combination spas only)	
	Portable Electric Spa Fill Volume (gallons) (for standard spas, inflatable spas, and the standard spa portion of combination spas only)	
	Exercise Spa Fill Volume (gallons) (for exercise spas and the exercise spa portion of combination spas only)	
	Portable Electric Spa Normalized Standby Power (watts) (for standard spas, inflatable spas, and the standard spa portion of combination spas only)	

	Exercise Spa Normalized Standby Power (watts) (for exercise spas and the exercise spa portion of combination spas only)	
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177 \* "Identifier" information as described in section 1602(a) of this Article.

178 1 = Voluntary for federally regulated appliances

179 2 = Voluntary for state-regulated appliances

180 ...[skipping to the end of section 1606]

181 Note: Authority cited: Sections 25213, 25218(e), 25401.9, 25402(a)-25402(c) and  
182 25960, Public Resources Code; and Sections 16, 26 and 30, Governor's Exec. Order No.  
183 B-29-15 (April 1, 2015). Reference: Sections 25216.5(d), 25401.9, 25402(a)-25402(c),  
184 25402.5.4 and 25960, Public Resources Code; and Section 16, Governor's Exec. Order  
185 No. B-29-15 (April 1, 2015).

186 § 1607. Marking of Appliances.

187 ...[skipping (a) through (c)]

188 (d) Energy Performance Information.

189 ...[skipping (1) through (12)]

190 (13) Portable Electric Spas

191 (A) All portable electric spas manufactured on or after June 1, 2019, shall be marked by  
192 the manufacturer with the label specified in section 1607(d)(13)(B) of this Article.  
193 The label shall be legible, conspicuously displayed to the consumer, and be removed  
194 only by the consumer.

195 1. For standard, exercise, and combination spas, the label shall be affixed on a  
196 readily visible location on the shell or skirt panel of the unit.

197 2. For inflatable spas, the label shall be affixed on a readily visible location on the  
198 unit's retail packaging.

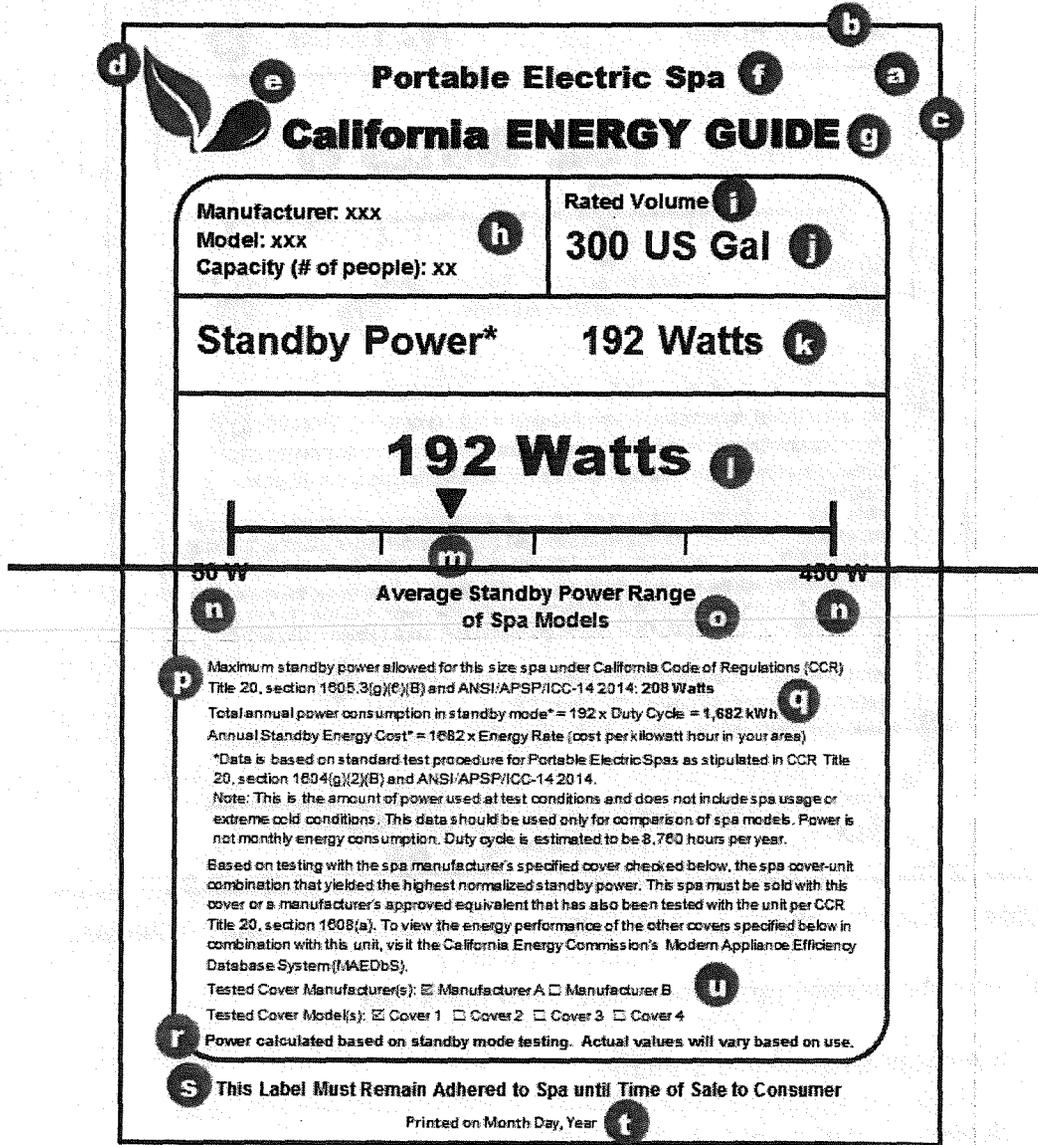
199 (B) The label for all portable electric spas shall conform to the design specifications  
200 listed in subdivisions (d)(13)(B)1. through (d)(13)(B)4. in this section (inclusive). If  
201 the spa has been tested with multiple spa covers, the label shall display the most  
202 recent performance data, the model number, and the manufacturer, as listed in  
203 MAEDbS, of the tested spa cover of the spa unit-cover combination that yielded the  
204 maximum normalized standby power test result obtained in accordance with section  
205 1605.3(g)(7)(BA) of this Article and Section 7.2 of ANSI/APSP/ICC-14 2019. The  
206 label may display the most recent spa cover model number(s) and corresponding  
207 spa cover manufacturer(s) for other covers tested with the unit. If the label lists

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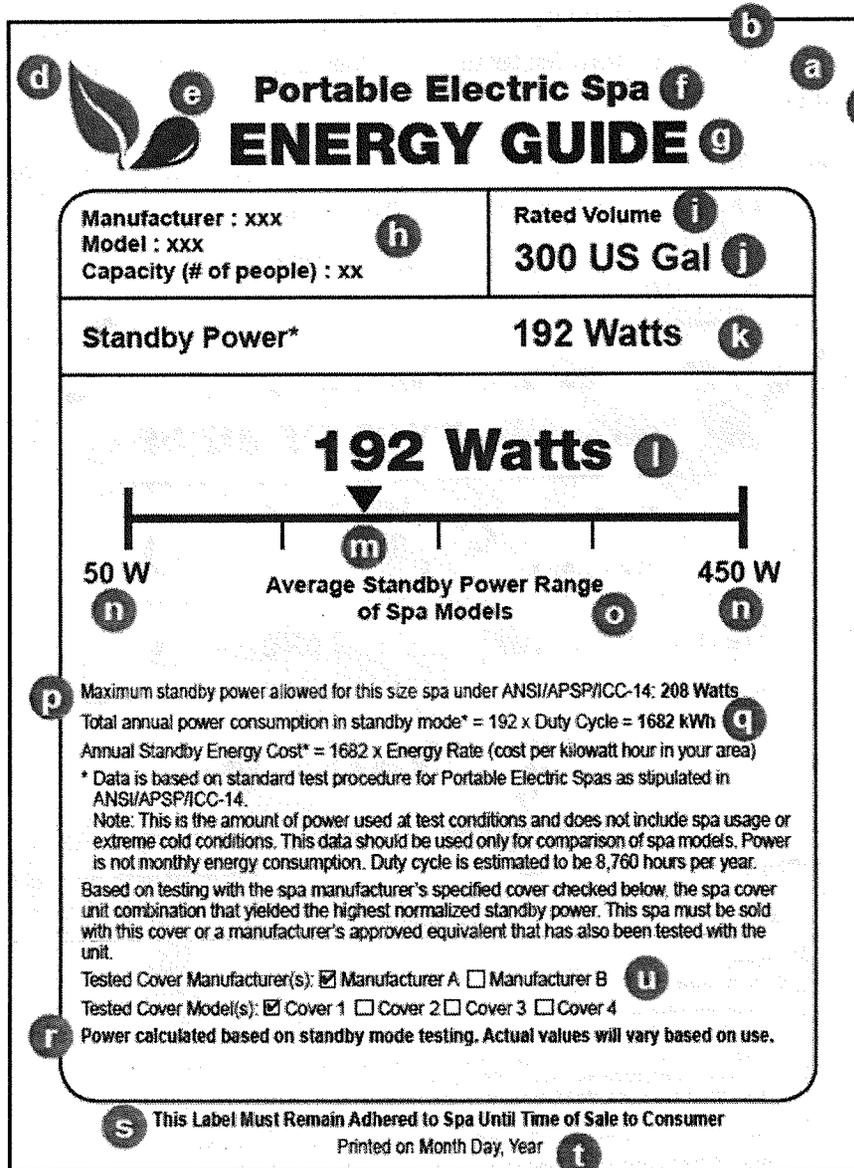
multiple spa covers, the label shall display the spa cover model number(s) and corresponding spa cover manufacturer(s) of the spa covers tested with the unit as listed in MAEDbS.

1. Label Specifications. The label shall be formatted as shown in Figure 1 and as directed in subdivision (d)(13)(B)2. of this section.

Figure 1. Label Design



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2. Letter Codes for Figure 1 Label Design. Letter codes for Figure 1 above:

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a. Shall be printed on a white label with black text.

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b. Minimum label width: 5 inches.

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c. Minimum label height: 6.275 inches.

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d. Leaf color: equivalent to Pantone 363 green (also permitted to be black).

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e. Water drop color: equivalent to Pantone 7691 blue (also permitted to be black).

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- 223 f. Font: Helvetica Neue Black; character height shall not be less than 15 point  
224 type. For standard spas, inflatable spas, and the standard spa portion of  
225 combination spas the text shall state the following: Portable Electric Spa. For  
226 exercise spas and the exercise spa portion of combination spas, the text shall  
227 state the following: Exercise Spa.
- 228 g. Font: Helvetica Neue Black; character height shall not be less than 24 point  
229 type. Text shall state the following: California ENERGY GUIDE.
- 230 h. Font: Arial Bold; character height shall not be less than 9.5 point type. Text  
231 shall state the following:
- 232 Manufacturer: [insert name of manufacturer here]  
233 Model: [insert model number here]  
234 Capacity (# of people): [insert number of people here].
- 235 i. Font: Arial Bold; character height shall not be less than 9.5 point type. Text  
236 shall state the following: Rated Volume.
- 237 j. Font: Arial Bold; character height shall not be less than 16 point type. The text  
238 shall state the value of the rated volume in U.S. gallons and shall state the  
239 units of the rated volume as follows: US Gal.
- 240 k. Font: Arial Bold; character height shall not be less than 16 point type. The  
241 text shall state the following: Standby Power\* [insert the normalized standby  
242 power value resulting from the test in watts here, rounded to a whole  
243 number] Watts.
- 244 l. Font: Helvetica Neue Black; character height shall not be less than 24 point  
245 type. The text shall state the normalized standby power value resulting from  
246 the test in Watts, rounded to a whole number, and shall state the units of the  
247 tested standby power.
- 248 m. The standby power chart arrow shall be scaled at the appropriate location  
249 between the minimum and maximum power range using the normalized  
250 standby power test result value for the spa which is being installed. The  
251 minimum standby power shall be 50 watts, and the maximum standby power  
252 shall be 450 watts for standard spas, inflatable spas, and the standard spa  
253 portion of combination spas. The minimum standby power shall be 100 watts  
254 and the maximum standby power shall be 750 watts for exercise spas and  
255 the exercise spa portion of combination spas. If the normalized standby  
256 power test result is outside the power range, add or subtract, in increments  
257 of 50 watts, from the minimum or maximum power range values, until the

258 normalized standby power test result is within the power range and update  
259 the minimum or maximum power range values on the label.

- 260 n. Font: Arial Bold; character height shall not be less than 12 point type.
- 261 o. Font: Arial Bold; character height shall not be less than 9.5 point type. The  
262 text shall state the following: Average Standby Power Range of Spa Models.
- 263 p. Font: Arial; character height shall not be less than 8 point type, and may be  
264 horizontally scaled to no less than 85 percent. The text shall state the  
265 following:

266 Maximum standby power allowed for this size spa under ~~California Code of~~  
267 ~~Regulations (CCR) Title 20, section 1605.3(g)(7)(B) of this Article and~~  
268 ~~ANSI/APSP/ICC-14 2014 [(optional) 2019]: [insert the allowed maximum~~  
269 ~~normalized standby power value based on fill volume, rounded to a whole~~  
270 ~~number] Watts.~~

271 Total annual power consumption in standby mode\*: [insert the normalized  
272 standby power value resulting from the test in watts here, rounded to a  
273 whole number] x Duty Cycle = [insert calculated value of total annual power  
274 consumption in standby mode here in kilowatts per hour, rounded to a whole  
275 number] kWh.

276 Annual Standby Energy Cost\* = [insert total annual power consumption value  
277 here, rounded to a whole number] x Energy Rate (cost per kilowatt hour in  
278 your area).

279 \*Data is based on standard test procedure for Portable Electric Spas as  
280 stipulated in ~~CCR Title 20, section 1604(g)(2)(B) and ANSI/APSP/ICC-14 2014~~  
281 ~~[(optional) 2019]. Note: This is the amount of power used during test~~  
282 ~~conditions and does not include spa usage or extreme cold conditions. This~~  
283 ~~data should be used only for comparison of spa models. Power is not monthly~~  
284 ~~energy consumption. Duty cycle is estimated to be [insert duty cycle value in~~  
285 ~~hours here. For standard spas, exercise spas, and combinations spas insert~~  
286 ~~8,760. For inflatable spas, insert 5,040] hours per year.~~

287 Based on testing with the spa manufacturer's specified cover checked below,  
288 the spa cover-unit combination that yielded the highest normalized standby  
289 power. This spa must be sold with this cover or a manufacturer's approved  
290 equivalent that has also been tested with the unit ~~per CCR Title 20, section~~  
291 ~~1608(a). To view the energy performance of the other covers specified below~~  
292 ~~in combination with this unit, visit the California Energy Commission's Modern~~  
293 ~~Appliance Efficiency Database System (MAEDbS).~~

- 294 Tested Cover Manufacturer(s):  [insert name of manufacturer(s) here,  
295 names shall be preceded by a checkbox].
- 296 Tested Cover Model(s):  [insert cover model number(s) here, model  
297 numbers shall be preceded by a checkbox].
- 298 q. The format for the maximum standby power value and total annual power  
299 consumption value is the following: Font: Arial Bold. Character height shall  
300 not be less than 8 point type and may be horizontally scaled to no less than  
301 85 percent.
- 302 r. Font: Arial Bold; character height shall not be less than 8 point type, and may  
303 be horizontally scaled to no less than 85 percent. The text shall state the  
304 following: Power calculated based on standby mode testing. Actual values will  
305 vary based on use.
- 306 s. Font: Arial Bold; character height shall not be less than 8 point type, and may  
307 be horizontally scaled to no less than 85 percent. The text shall state the  
308 following: This Label Must Remain Adhered to Spa until Time of Sale to  
309 Consumer.
- 310 t. Font Arial; character height shall not be less than 8 point type, and may be  
311 horizontally scaled to no less than 85 percent. The text shall state the  
312 following: Printed on [insert the month, day, and year the label was printed  
313 on].
- 314 u. The checkbox of the tested spa cover model number and corresponding spa  
315 cover manufacturer coinciding with the performance data shall be marked on  
316 the label.
- 317 3. The label shall be printed:
- 318 a. on a removable adhesive-backed white polymer label or the equivalent for  
319 standard, exercise, and combination spas.
- 320 b. as specified in subdivision (d)(13)(B)3.a. or integrated as part of the unit's  
321 retail packaging design for inflatable spas.
- 322 4. All adhesive labels shall be applied so they can be easily removed without the  
323 use of tools or liquids, other than water, but shall be applied with an adhesive  
324 with an adhesion capacity sufficient to prevent dislodgment during normal  
325 handling throughout the chain of distribution to the consumer.

326 ...[skipping through (15)]

327 The following documents are incorporated by reference in section 1607.

328 ...[skipping CALIFORNIA ENERGY COMMISSION and AMERICAN SOCIETY OF HEATING,  
329 REFRIGERATING AND AIR-CONDITIONING ENGINEERS (ASHRAE)]

330 THE POOL AND HOT TUB ALLIANCE

331 ANSI/APSP/ICC -14 2019 American National Standard for Portable Electric Spa  
332 Energy Efficiency

333 Copies available from: Pool & Hot Tub Alliance  
334 2111 Eisenhower Avenue, Suite 500  
335 Alexandria, VA 22314-4695  
336 PHTA.org  
337 Phone: (703) 838-0083

338

339 Note: Authority cited: Sections 25213, 25218(e), 25401.9, 25402(a)-25402(c) and  
340 25960, Public Resources Code. Reference: Sections 25216.5(d), 25401.9, 25402(a)-  
341 25402(c) and 25960, Public Resources Code.