DOCKETED	
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Project Title:	Pool Pumps and Spa Labeling
TN #:	212253
Document Title:	Presentation APSP Review of CEC Staff Report on Portable Electric Spas
Description:	Review of CEC Staff Report, Revised Analysis of Efficiency Standards for Pool Pumps and Motors, and Spas
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Review of CEC Staff Report Revised Analysis of Efficiency Standards for Pool Pumps and Motors, and Spas Docket Number 15-AAER-02



Presenters

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 Chairman APSP-14: Portable Electric Spa Energy
 Efficiency Committee

Mike McCague
 Chairman International Hottub Association
 Technical Committee



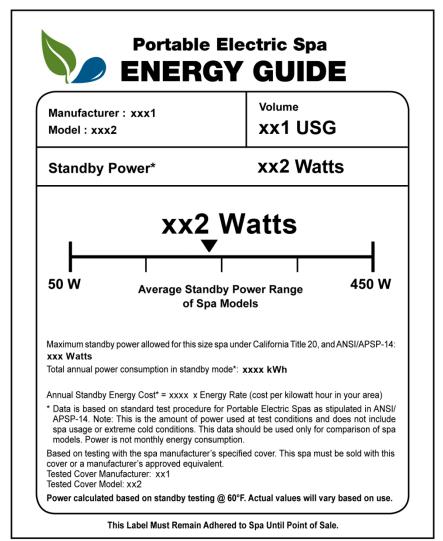
Discussion Topics

- Reference to 6.3.1
- Energy Label
 - Impact of changing the bar graph
 - Combo exercise spas labeling option

Reference to 6.3.1

- The staff report references sections 6.3.1 which in draft language was the exercise spa energy formula of 5*V^{2/3}
- Published September 2014 Standard references the exercise spa allowed energy formula in 8.2.

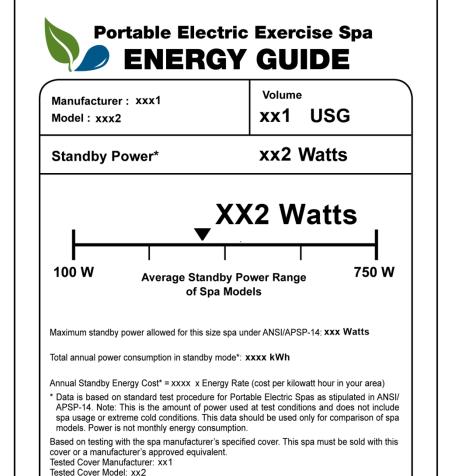
APSP-14 Energy label



Spa Energy Label Template



APSP-14 Energy label



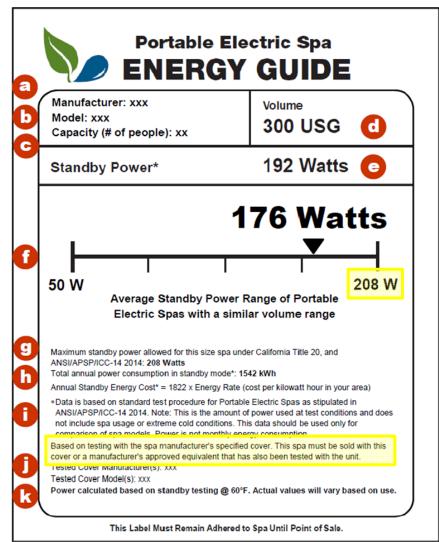
Power calculated based on standby testing @ 60°F. Actual values will vary based on use.

This Label Must Remain Adhered to Spa Until Point of Sale.

Exercise Spa Energy Label Template



CEC Proposed Energy label



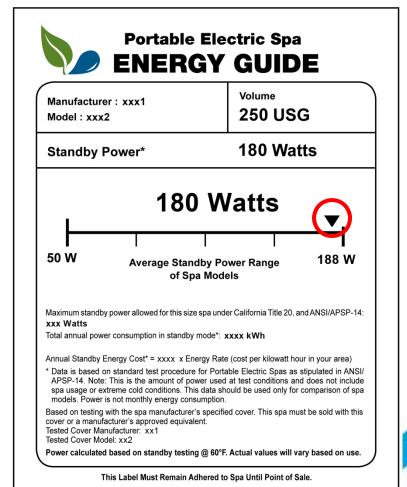
Changes:

- Bar chart
 maximum limit set
 by individual
 spa's max
 allowed energy.
- Additional language specifying cover must be tested on the spa.

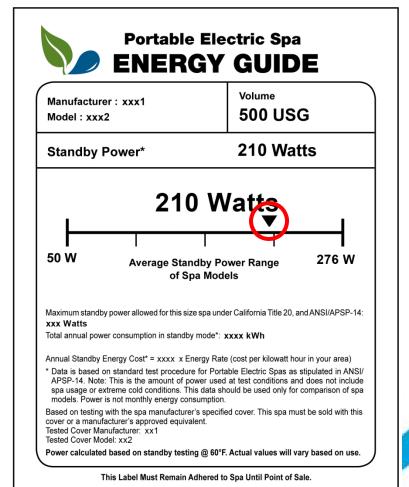
How People Shop for Spas

- Over all size
- Cosmetic appeal (color and seating)
- Listed features and functions
- Performance numbers

SPA: A?

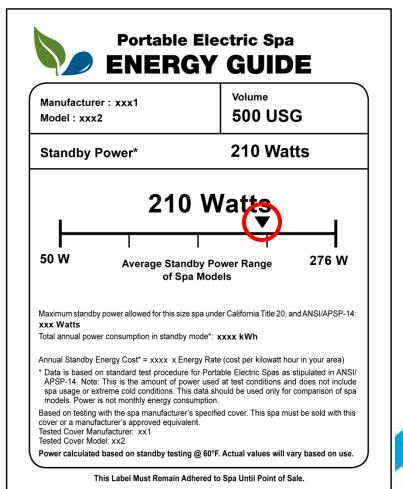


SPA: B?

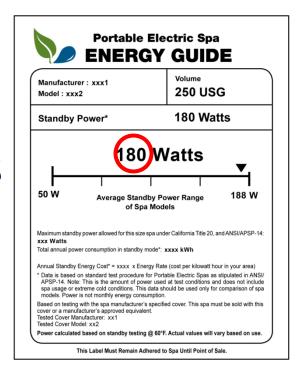


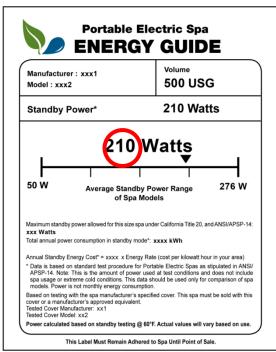
SPA: B?

Spa B is better.
The label tells me it is more efficient.



Spa A is the true better spa for California. It uses less energy over all.





Problems with Proposal

- An energy bar chart based on spa maximum allowable energy by volume is only comparable to itself.
- The visual guide can drive people to purchase higher energy using spas.

Label Recommendation

- Use the existing industry label comparing the industry spas as a whole.
- The label could push people to purchase spas that use less energy.

Combo Exercise Spa Label

 Proposed is a new single label showing energy individually for the therapy and exercise portions of the spa.



Recommendation

Allow the option to apply a separate spalabel and exercise spalabel

Rational

- Very few combo spas are built
- Spa OEMs typically only have one model
- Extra burden and cost to produce a low usage label when the OEM is already producing separate spa and exercise spa labels in volume.

Thank you for your consideration

