

FLORIDA BUILDING COMMISSION
SWIMMING POOL PUMP ENERGY EFFICIENCY WORKSHOP
OCTOBER 10, 2011
HILTON DAYTONA BEACH RESORT
100 N. ATLANTIC AVENUE—DAYTONA BEACH, FLORIDA 32118—1.386.254.8200

WORKSHOP OBJECTIVES

Workshop I

- To Review Regular Procedural Topics (Agenda and Procedural Guidelines)
- To Review the 2010 Energy Code Swimming Pool Pump Efficiency Requirements
- To Review Committee and Code Amendment Proceedings Steps in Adopting the Requirements as they Appear in the Final Code
- To Discuss the Effect of ANSI/APSP-15 on the Code’s Overall Requirements for Pool Pumps
- To Identify Needed Next Steps

WORKSHOP AGENDA—MONDAY, OCTOBER 10, 2011

All Agenda Times—including Adjournment—are Approximate and Subject to Change

9:00	<i>AM</i>	Welcome and Opening
	<i>AM</i>	Agenda Review and Approval
	<i>AM</i>	2010 Energy Code Swimming Pool Pump Efficiency Requirements
	<i>AM</i>	Committee and Code Amendment Proceedings Steps in Adopting the Requirements as they Appear in the Final Code
	<i>AM</i>	Effect of ANSI/APSP-15 on the Code’s Overall Requirements for Pool Pumps
	<i>AM</i>	Further Steps Necessary to Clarify the Code Requirements
	<i>AM</i>	<i>Adjourn</i>

Contact Information and Project Webpage

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SWIMMING POOL PUMP ENERGY EFFICIENCY WORKSHOP PROJECT OVERVIEW

OVERVIEW

During development of the 2010 Florida Building Code the Commission convened a Pool Efficiency Subcommittee to the Florida Energy Code Workgroup to provide recommendations to the Florida Energy Code Workgroup regarding the pool equipment efficiencies subtask for pool pumps and heaters efficiencies and hydronic systems standards. The Subcommittee was facilitated using the Commission's workgroup process.

The Workgroup evaluated and developed recommendations regarding the following issues:

- *Pool pump standards.*
- *Pool plumbing system design.*
- *Performance and prescriptive compliance paths for pools.*
- *Credits for alternative energy sources for pool heating, lighting and pumping*

During development of the 2010 FBC pool pump efficiency requirements established by section 553.909, F.S., were integrated into the body of the Energy Conservation code. ANSI/APSP-15 was under development and portions of the draft standard were included in an appendix to the code. Subsequent to the initial code development phase a "glitch amendment" phase of the 2010 FBC development was conducted. During this phase the appendix was replaced by a reference within the code to ANSI/APSP-15 which was undergoing its final phase of development, the ANSI review for procedural adequacy and period for interested parties challenge based on procedural deficiencies. The final version of the 2010 Florida Building Code, Energy Conservation code as adopted by the Commission includes both the requirements from s.553.909, F.S. and reference to the ANSI/APSP-15 standard. Criteria in the reference standard and the criteria written directly in the code apparently have created confusion over which criteria must be followed. The purpose of this workshop is to clarify what is required for pool pump efficiencies by the 2010 Code.

SUBCOMMITTEE MEMBERS

Steve Bassett, Tony Caruso, Kevin Fennel, Ken Gregory, Dale Greiner, Dan Johnson, Bill Kent, Dino Muggeo, Gordon Shepardson, Jeff Sonne, and Rob Vieira.

WORKSHOP PROCEDURAL GUIDELINES

PARTICIPANT'S ROLE

- ✓ The Workshop process is an opportunity to explore possibilities. Offering or exploring an idea does not necessarily imply support for it.
- ✓ Listen to understand. Seek a shared understanding even if you don't agree.
- ✓ Be focused and concise—balance participation & minimize repetition. Share the airtime.
- ✓ Look to the facilitator(s) to be recognized. Please raise your hand to speak.
- ✓ Speak one person at a time. Please don't interrupt each other.
- ✓ Focus on issues, not personalities. Avoid stereotyping or personal attacks.
- ✓ To the extent possible, offer options to address other's concerns, as well as your own.
- ✓ Participate fully in discussions, and complete meeting assignments as requested.
- ✓ Serve as an accessible liaison, and represent and communicate with member's constituent group.

FACILITATOR'S ROLE (FCRC CONSENSUS CENTER @ FSU)

- ✓ Design and facilitate a participatory Workshop process.
- ✓ Assist the participants to build consensus on a package of recommendations for delivery to the Florida Building Commission.
- ✓ Provide process design and procedural recommendations.
- ✓ Assist participants to stay focused and on task.
- ✓ Assure that participants follow ground rules.
- ✓ Prepare and post agenda packets, worksheets and meeting summary reports.

GUIDELINES FOR BRAINSTORMING

- ✓ Speak when recognized by the Facilitator(s).
- ✓ Offer one idea per person without explanation.
- ✓ No comments, criticism, or discussion of other's ideas.
- ✓ Listen respectfully to other's ideas and opinions.
- ✓ Seek understanding and not agreement at this point in the discussion.

THE NAME STACKING PROCESS

- ✓ Determines the speaking order.
- ✓ Participant raises hand to speak. Facilitator(s) will call on participants in turn.
- ✓ Facilitator(s) may interrupt the stack (change the speaking order) in order to promote discussion on a specific issue or, to balance participation and allow those who have not spoken on an issue an opportunity to do so before others on the list who have already spoken on the issue.

ACCEPTABILITY RANKING SCALE

During the workshop(s), participants will be asked to develop and rank options, and following discussions and refinements, may be asked to do additional rankings of the options if requested by participants and/or staff. Please be prepared to offer specific refinements or changes to address your reservations. The following scale will be utilized for the ranking exercises:

ACCEPTABILITY RANKING SCALE	<i>4 = acceptable, I agree</i>	<i>3 = acceptable, I agree with minor reservations</i>	<i>2 = not acceptable, I don't agree unless major reservations addressed</i>	<i>1 = not acceptable</i>
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WORKSHEETS

ISSUES IDENTIFICATION EXERCISE—WORKSHOP NOTES

Think about the swimming pool pump efficiency standards.

What issues need to be addressed in order to enhance swimming pool pump energy efficiency?

OPTIONS IDENTIFICATION EXERCISE

Please use the space below to write down possible options to address the key issues identified earlier regarding pool energy efficiency enhancements.

OPTIONS ACCEPTABILITY RANKING EXERCISE

During the workshop(s), participants may be asked to develop and rank options, and following discussions and refinements, may be asked to do a second ranking of the options as refined. The following scale will be utilized for the ranking exercises:

ACCEPTABILITY RANKING SCALE	4 = <i>acceptable, I agree</i>	3 = <i>acceptable, I agree with <i>minor reservations</i></i>	2 = <i>not acceptable, I don't agree unless <i>major reservations</i> addressed</i>	1 = <i>not acceptable</i>
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Note: Be prepared to offer specific refinements or changes to address your reservations.

PUBLIC COMMENT FORM

The Florida Building Commission encourages written comments—All written comments will be included in the meeting summary report.

Name: _____

Organization: _____

Meeting Date: _____

Please make your comment(s) as specific as possible, and offer suggestions to address your concerns.

Please limit comment(s) to topics within the scope of the Workshop, and refrain from any personal attacks or derogatory language.

The Facilitator may, at his discretion, limit public comment to a maximum of three-minutes (3) per person, depending on the number of individuals wishing to speak.

COMMENT: _____

Please give completed form(s) to the Facilitator for inclusion in the meeting summary report.