



Residential Appliance Breakout Session

Diving Into the World of Swimming Pool
Pumps

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Today's Agenda

- ▶ Review how pool pumps fit in with the other Committee priorities
- ▶ Review Committee work on pool pumps to date
- ▶ Provide an update on industry research
- ▶ Discuss industry feedback and possible next steps

Appliance Committee Work

- ▶ Major area of focus: Clothes washers, dishwashers, refrigerators, and room air-conditioners
 - Revise the clothes washer spec
 - Review the room ac spec to see if a revision is warranted
- ▶ Exploration of new opportunities
 - Pool pumps
 - Clothes dryers

Current Pool Pump Work

- ▶ Identified the scope:
 - Pool pump-motor combinations
 - Pool controls
- ▶ Established savings opportunity
- ▶ Working on a specification
- ▶ Plan to develop a new Initiative for Swimming Pools
- ▶ Plan to develop Qualified product list

Feedback from Industry

- ▶ APSP is working to develop a ANSI Standard to require two-speed motors in the U.S. and Canada
- ▶ Swimming pool pumps operating at low speed can still meet filtration and circulation needs
- ▶ Warmer regions require longer run times to maintain sanitation
- ▶ Variable speed pumps can operate at different HPs
- ▶ Variable speed pumps should only be installed in pools with ≥ 3 " plumbing
- ▶ Energy factor is a function of the speed (rpm) of the pump-motor combination

Implications of Industry Feedback

- Need to change energy savings assumptions
 - Do we want to update baseline energy use assumptions from a single-speed to two-speed?

	Warm Climate	Cool Climate
Single Speed	2,806 kWh/yr	1,224 kWh/yr
Two Speed	1,767 kWh/yr	771 kWh/yr
Variable Speed	1,303 kWh/yr	568 kWh/yr
Old Energy Savings	1,503 kWh/yr	656 kWh/yr
New Energy Savings	464 kWh/yr	203 kWh/yr

- Do we want to update energy savings assumptions from all pools to only those that have ≥ 3 " plumbing?

Implications of Industry Feedback

- ▶ Less of an opportunity for efficiency programs
 - Will this decrease the number of pool pump programs being run?
 - Do we still need a CEE specification?
- ▶ Need to update draft specification proposal
 - Do we want to remove proposed Tier 1 level, since it will likely become the federal minimum?
 - Do we want define speed (rpm) for energy factor submissions?

Potential Next Steps

- ▶ Send introductory letter to Industry
- ▶ Monitor ENERGY STAR and standards activities
- ▶ Finalize pool pump/control specification
- ▶ Finalize a Swimming Pool Initiative
- ▶ Plan to bring both documents to CEE Board of Directors in June
- ▶ Begin developing a qualified product list
- ▶ Plan to launch QPL and spec on Jan. 1, 2011

Contact

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Additional Discussion Questions

▶ Pool Pumps

- Do you have or are you planning to run a pool pump program?
- What are the key pieces to delivering a successful program?

▶ General Appliances

- What would benefit your programs the most, exploration of new opportunities or enhanced support of SEHA products?
- Do the planned 2010 activities fit well with your current and future program plans? How so?