

Detailed Course Timeline

FBC Advanced Module: 2020 Pool/Spa Energy Efficiency Regulations

10 minutes Introduction

- History of the Florida Energy Code
- HB7135
- HB663
- Impact on Florida consumers for energy saving

10 minutes Discussion of the Florida Energy Code Workgroup

- Pool Efficiency subcommittee
 - 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

10 minutes Specific Regulations

- Swimming pool pumps and motors
 - Variable speed, two speed and multi-speed capabilities
 - Rated horsepower – service factor
 - Elimination of split-phase, shaded-pole, or capacitor start-induction run
 - Compliance dates and testing methods.

10 minutes Swimming pool/spa heating systems

- Gas-fired pool heaters – thermal efficiency of not less than 78% test methods for gas fired and oil fired pool heater efficiency (ANSIZ21.56)
- Electric resistance pool heaters (ANSI/ASHRAE146-1998)
- Heat pump coefficient of performance (COP) of not less than 4.0
 - AHRI Standard 1160
- Solar heating – new piping requirements and connections for solar modifications.

5 minutes Portable spa energy efficiency

- Requirements apply to factory built residential spas
- Minimum energy efficiency requirements.

5 minutes Conclusion

- Impact on the consumer and the swimming pool & spa industry
- Reasonable and substantial connection to health, safety and welfare of the general public.

Total: 50 minutes / 1 CE credit hour Meets Advanced Module Requirement

Attendance will be verified through photo identification when attendees report to the course.