

**ENERGY TECHNICAL ADVISORY COMMITTEE  
TELECONFERENCE MEETING FROM TALLAHASSEE, FLORIDA**

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**AUDIO: DIAL-IN NUMBER 1 866 899 4679**

**CONFERENCE CODE/MEETING ID: 712-071-349**

**March 30, 2018**

**10:00 A.M.**

**MINUTES**

**ENERGY TAC PRESENT:**

Drew Smith, Chairman  
Steve Bassett  
Oscar Calleja  
Bob Cochell  
David Wojcieszak

Jan Geyselaers  
Tim Graboski  
Scott Ranck  
Roger Sanders

**ENERGY TAC NOT PRESENT:**

Kelley Smith Burk

Jonathan Parks

**STAFF PRESENT:**

Mo Madani  
Thomas Campbell  
Norman Bellamy  
Marlita Peters

Justin Vogel  
Chris Howell  
Jim Hammers

**Welcome:**

**Time: 10:00 a.m.**

Ms. Peters welcomed all to the Energy Technical Advisory Council teleconference call and explained the teleconference process.

**Roll Call:**

Ms. Peters performed roll call for the Energy TAC. A quorum was determined with 8 members present at roll call for quorum.

**Agenda Approval:**

Mr. Geyselaers entered a motion to approve the agenda as posted for today's meeting. Mr. Cochell seconded the motion. The motion passed unanimously with a vote of 8 to 0.

**Minutes March 16, 2018:**

Mr. Cochell entered a motion to approve the minutes as posted from March 16, 2018. Mr. Sanders seconded the motion. The motion passed unanimously with a vote of 8 to 0.

Mr. Wojcieszak joined the call at 10:02 making the total members in attendance to 9.

**DS 2018-018 by Arthur Chartrand of National Home Service Contract Association:**

Arthur Chartrand, petitioner provided a brief overview of the petition and staff response.

Mr. Madani provide the background of the request and the staff analysis

**Question A:**

Is it required that when part of an HVAC unit is replaced, that the part or resulting whole system must meet the current SEER rating?

**Answer: Option #1/Petitioner:** Petitioner respectively believes the answer is "NO" to both questions, as R501.7.1 appears to clearly answer both questions in the negative. Even if R501.7.1 is not seen as a full exception, then exception # 4 appears to clearly indicate that when existing components of a system like HVAC are working fine, they need not be replaced just to meet code. There seems no other logical interpretation of the intent of this exception.

**DS 2018-018 by Arthur Chartrand of National Home Service Contract Association (cont.):**

**Option #2/Staff:** For the level of work in question, the answer is no. As per R501.7, Exception 1 and R503.1 of the 6th Edition (2017) Florida Building Code, Energy Conservation “the Code”, replacement of the outdoor condenser/compressor in question is permitted without requiring the combined efficiency of the whole system (outdoor unit plus indoor unit) to meet the minimum efficiency listed for that type of equipment in the current Code. However, the two units (outdoor unit plus indoor unit) must be compatible as per R501.7, Exception 2, of the Code.

**Question B:**

In the event an outdoor condenser/compressor unit is replaced and upgraded to a higher, current SEER rating, must the fully functioning and by industry standards, compatible indoor evaporator coil be replaced to match the SEER rating of the outdoor unit (or vice-versa)?

**Answer: Option #1/Petitioner:** With respect to Question B, Exception # 1 would also apply. Exceptions # 1-4 appear to be distinct exceptions and not dependent on each other. The language in # 2 is not necessary for reference. Even if Exceptions # 1-4 were read as conjunctive requirements, #2 appears to suggest that if the design of separate indoor and outdoor units allows them to operate compatibly together, the two need not be “matched”. While unclear of its intent, the first sentence of # 2 “If the unit being replaced is itself a functional unit, such as a condenser, it does not constitute a repair” seems to suggest an outright exception as well.

**Option #2/Staff:** See answer to question 1 (Option #2/Staff)

Mr. Cochell entered a motion to accept the staff response to the declaratory statement request. Mr. Sanders seconded the motion.

**TAC Comments:**

Mr. Cochell spoke on the response on the second question speaking to the whole unit and the need for it to match.

Mr. Madani provided response as stated in the Code.

Mr. Calleja spoke in depth on the issue with using two different units on the exterior and interior and expressed his concern over the response to the second staff response.

**Public Comment:**

Pete Quintela, Miami Dade stated he agreed with Mr. Calleja and the language in the answer should be separate and more specific.

**DS 2018-018 by Arthur Chartrand of National Home Service Contract Association (cont.):**

**TAC Action:**

Chairman Smith asked Mr. Madani if the answer could be split into two full answers with two separate questions.

Mr. Madani stated yes and would entertain new language.

Mr. Calleja provided some additional language to include SEER efficiency and matched systems.

Chairman Smith called for the vote on the. The motion failed with a vote of 1 in favor and 8 against.

Mr. Chartrand addressed the TACs concerns and spoke on the consumer's best interest.

Pete Quintela, Miami Dade stated he is concerned how the local building officials will interpret the answer.

Mr. Calleja stated part one answer should be no and part b is a different as part "a" is parts and part "b" is whole unit. He provided some examples of modified language that could be used.

Mr. Madani read the modified answer for the staff analysis and response as follows:

**Question A:**

Is it required that when part of an HVAC unit is replaced, that the part or resulting whole system must meet the current SEER rating?

**Answer:**

For the level of work in question, the answer is "No". As per R501.7, Exception 1 and R503.1 of the 6<sup>th</sup> Edition (2017) Florida Building Code, Energy Conservation "the Code", replacement of ~~outdoor condenser/compressor in question~~ a part of an HVAC is permitted without requiring the combined efficiency of the whole system (~~outdoor unit plus indoor unit~~) to meet the minimum efficiency listed for that type of equipment in the current Code. ~~However, the two units (outdoor unit plus indoor unit) must be compatible as per R501.7, Exception 2, of the Code.~~

**Question B:**

In the event an outdoor condenser/compressor unit is replaced and upgraded to a higher, current SEER rating, must the fully functioning and by industry standards, compatible indoor evaporator coil be replaced to match the SEER rating of the outdoor unit (or vice-versa)?

**DS 2018-018 by Arthur Chartrand of National Home Service Contract Association (cont.):**

**Answer:**

For the level of work in question, the answer is “no”. As per R501.7, Exception 1 and R503.1 of the 6th Edition (2017) Florida Building Code, Energy Conservation “the Code”, replacement of the outdoor condenser/compressor in question is permitted without requiring the combined efficiency of the whole system (outdoor unit plus indoor unit) to meet the minimum efficiency listed for that type of equipment in the current Code. However, the two units (outdoor unit plus indoor unit) must be ~~compatible~~ matched as per R501.7, Exception 2, of the Code and the combined capacity and SEER rating must be no less than originally listed.

Mr. Sanders entered a motion to accept staff response as amended above. Mr. Geyselaers seconded the motion. The motion passed unanimously with a vote of 9 to 0.

**Review and accept interim draft report for research project titled “Comparison of the 6th Edition (2017) Florida Building Code, Energy Conservation with IECC 2018 and ASHRAE 90.1-2016”.**

Mr. Madani provided the background of the project.

Bereket Nigussee, FSEC provided a power point presentation of the interim report.

Mr. Cochell entered a motion to approve the interim report titled “Comparison of the 6th Edition (2017) Florida Building Code, Energy Conservation with IECC 2018 and ASHRAE 90.1-2016”. Mr. Geyselaers seconded the motion. The motion passed unanimously with a vote of 9 to 0.

**Public Comment:**

Andrew Legro with Specific Engineer, stated he had concerns regarding ASHRAE 90.1-2013 metering requirement.

**Final Roll Call:**

Ms. Peters performed a final roll call 9 members were remaining on the line.

**Adjourn:**

There being on further business Chairman Smith adjourned the meeting 11:11 a.m.