

**ENERGY TECHNICAL ADVISORY COMMITTEE
TELECONFERENCE MEETING FROM TALLAHASSEE, FLORIDA
WEB URL [HTTPS://GLOBAL.GOTOMEETING.COM/JOIN/492144317](https://global.gotomeeting.com/join/492144317)
AUDIO: DIAL-IN NUMBER 1 877-309-2073
CONFERENCE CODE/MEETING ID: 492-144-317
September 12, 2016
10:00 A.M.**

MINUTES

ENERGY TAC PRESENT:

Drew Smith, Chairman	Steve Bassett
Scott Ranck for Brent Caldwell	Oscar Calleja
Bob Cochell	Jan Geyselaers
Roger Sanders (10:09 a.m.)	David Wojcieszak (10:20 a.m.)

ENERGY TAC NOT PRESENT:

Kelly Smith Burk	Lawrence Maxwell
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STAFF PRESENT:

Mo Madani	April Hammonds
Nick DuVal	Marlita Peters
Chris Howell	Norman Bellamy
Jim Hammers	

MEETING FACILITATION:

The meeting was facilitated by Jeff Blair from the FCRC Consensus Center at Florida State University. Information at: <http://consensus.fsu.edu>

Welcome:

Time: 10:05 a.m.

Mr. Blair welcomed all to the Energy TAC conference call and reminded them of the telephone responsibilities of the callers with background noises and also reminded them to mute their phones when not speaking.

Roll Call:

Mr. Blair performed roll call for the Energy TAC. A quorum was determined with 6 members present at the beginning of the call with Mr. Sanders joining at 10:09 am and Mr. Wojcieszak joining at 10:20 am.

Agenda Approval:

Mr. Blair provided the agenda items for today's meeting and asked for a motion to approve the agenda as posted.

Mr. Cochell entered a motion to approve the agenda as amended for today's meeting. Mr. Gyeselaers seconded the motion. The motion passed unanimously with a vote of 6 to 0.

Minutes June 15 and July 19, 2016:

Mr. Calleja entered a motion to approve the minutes as posted from the June 15, and July 19, 2016 meetings. Mr. Geyselaers seconded the motion. The motion passed unanimously with a vote of 6 to 0.

To review and accept report regarding whether the State's latest draft of the commercial energy building code "6th Edition (2017) Florida Building Code, Energy Conservation" meets or exceeds the provisions of ASHRAE 90.1 -2013 regarding building energy efficiency.

[COMMERCIAL CODE REVIEW FOR THE 2017 FLORIDA BUILDING ENERGY CODE](#)

Mr. Madani provided background for the report from FSEC and the 2017 Energy Code.

To review and accept report regarding whether the State’s latest draft of the commercial energy building code “6th Edition (2017) Florida Building Code, Energy Conservation” meets or exceeds the provisions of ASHRAE 90.1 -2013 regarding building energy efficiency (cont.):

Bereket Nigusse, FSEC provided a power point presentation and overview of the report to include:

- Review of Code Modifications complete with I-Codes and ASHRAE
- Prototype Buildings used were explained
- Explanation of simulation performed
- Florida Climate Zones were detailed and the six states that the 2A zones covered
- ASHRAE climate zones were provided
- Factors for Florida climate zones
- Prototype distribution percent in Florida
- Base Code evaluation charts were presented 201.1 Florida Code Evaluation with ASHRAE 90.1
- 90.1-2013 advanced controls with function
- Analysis summary provided with evaluation conclusion
- Impact of climate 2A fraction

Mr. Blair asked for questions from the TAC, there being none, he then asked for public questions or comments.

Joe Belcher, FHBA asked for clarification of dates of ASHRAE.

Mr. Madani provided information for Mr. Belcher to clarify.

Mr. Blair asked for a motion to approve the report regarding whether the State’s latest draft of the commercial energy building code “6th Edition (2017) Florida Building Code, Energy Conservation” meets or exceeds the provisions of ASHRAE 90.1 -2013 regarding building energy efficiency and recommend to the Commission.

A motion was entered by Mr. Cochell to approve the report regarding whether the State’s latest draft of the commercial energy building code “6th Edition (2017) Florida Building Code, Energy Conservation” meets or exceeds the provisions of ASHRAE 90.1 -2013 regarding building energy efficiency and recommend to the Commission. Mr. Geyselaers seconded the motion. The motion passed unanimously with a vote of 8 to 0.

Review and accept recommendations of the Energy Rating Index Workgroup [Report](#)

Mr. Madani provided some background on the formulation of the workgroup and the directive to the group by the Commission to address mandate of the Legislature and provide a recommendation by the deadline issued.

Mr. Blair gave an overview with background on prior actions and asked the TAC to work together to achieve consensus to send recommendation to the Commission for their call scheduled for September 21st via teleconference. He explained consensus voting.

Mr. Blair provided the following action provided by the workgroup and stated the vote was 16 – 2 in favor (89% in favor) to recommend to the Florida Building Commission the following:

1. That the use of onsite renewable power generation should be allowed as an option to achieve compliance when using the ERI path (counted toward the ERI score adopted into the Code).
2. That there should not be a time stipulation for the recommended ERI Code modification providing for the use of onsite renewable power generation. The Workgroup agreed that since the Legislation appeared to stipulate a timeframe of between 3 – 6 years that the Commission should request the maximum time of 6 years, further request that the Legislature clarify their intent in this regard, and recommend to the Legislature that there should not be any statutory timeframes associated with this provision, and that the ERI provision should be treated according to the same procedures for review that govern all code provisions utilizing the Commission's Code update cycle.
3. That the Code provision be adopted into the Florida Building Code for both the Florida Building Code, 5th Edition (2014) Energy Conservation, and the Florida Building Code, 6th Edition (2017) Energy Conservation.
4. That the specific code language should be as follows:

R406.2 Mandatory requirements. Compliance with this section requires that the provisions identified in Sections R401 through R404 labeled as "mandatory" and Section R403.5.3 of the 2015 *International Energy Conservation Code* be met. For buildings that do not utilize on-site renewable power production for compliance with this section, the building thermal envelope shall be greater than or equal to levels of efficiency and Solar Heat Gain Coefficient in Table 402.1.1 or 402.1.3 of the 2009 *International Energy Conservation Code*. For buildings that utilize on-site renewable power production for compliance with this section, the building thermal envelope shall be greater than or equal to levels of efficiency and Solar Heat Gain Coefficient in Table R402.1.2 or Table R402.1.4 of the 2015 *International Energy Conservation Code*.

Exception:

Supply and return ducts not completely inside the building thermal envelope shall be insulated to a minimum of R-6.

Review and accept recommendations of the Energy Rating Index Workgroup (cot.)

R406.4 ERI-based compliance.

The ERI for the *rated design* shall be determined in accordance with ANSI/RESNET/ICC 301-2014, including Addendum A-2015, and ~~Compliance based on an ERI analysis requires that the *rated design*~~ be shown to have an ERI less than or equal to the appropriate value listed in Table R406.4 ~~when compared to the *ERI reference design*.~~

Mr. Blair asked for TAC comments or questions.

There being none he then asked for public comments or questions.

There being none Mr. Blair asked for a motion to approve the recommendation as stated by the Energy Rating Index Workgroup.

Mr. Ranck entered a motion to support the recommendation provide by the Energy Rating Index Workgroup and send this recommendation to the Commission for their consideration on September 21, 2016. Mr. Geyselaers seconded the motion. The motion passed with a vote of 7 in favor and 1 against. Mr. Bassett was the opposing vote.

Mr. Blair began second role call. He stated that we had lost three callers with six members remaining.

Ms. Hammonds stated that it appears that we lost the call connection from the “Go Meeting” system but all items on the agenda were addressed with 8 members on the call and voting. She stated the Chairman of the TAC was prepared to adjourn therefore the meeting is adjourned. The time of adjournment was 10:51 a.m.