

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

WEB URL: <https://global.gotomeeting.com/join/874241349>

AUDIO DIAL IN NUMBER: 1-877-309-2073

MEETING ID / ACCESS CODE: 874-241-349

September 27, 2018

2:00 P.M.

Minutes

ENERGY TAC PRESENT:

Drew Smith, Chairman
Steve Bassett
Oscar Calleja
Bob Cochell
Jan Geyselaers

Tim Graboski
Jonathan Parks
Scott Ranck
Roger Sanders

ENERGY TAC NOT PRESENT

Kelley Smith Burk

David Wojcieszak

STAFF PRESENT:

Mo Madani
Norman Bellamy
Jim Hammers

Justin Vogel
Chris Howell

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: 2:00 pm

Mr. Blair welcomed everyone to the teleconference call of the Energy TAC. He provided information for the callers on how to mute systems to avoid background noise.

Roll Call:

Mr. Blair performed roll call for the Energy TAC. A quorum was determined with 7 members present at roll call.

Agenda Approval:

Chairman Smith asked for a motion to approve the agenda as posted if there were no changes.

Commissioner Calleja entered a motion to approve the agenda for today's meeting. Mr. Geyselaers seconded the motion. The motion passed unanimously with a vote of 7 to 0.

Approval of the Minutes from July 23, 2018:

Chairman Smith asked for a motion to approve the minutes from July 23, 2018 as posted if there were no changes.

Commissioner Calleja entered a motion to approve the minutes from the July 23, 2018 meeting as posted. Mr. Geyselaers seconded the motion. The motion passed unanimously with a vote of 7 to 0.

Commissioner Bassett joined the call bringing total attendees to 8.

Petition for Declaratory Statement:

DS 2018-0066 by David Porter of David Porter Associates Architects, Inc.

Mr. Porter was present on the call and stated he was available for any questions.

Mr. Madani presented the declaratory statement with staff analysis as follows:

To the question, "does section R403.5.1 state that all single family dwelling must install hot water recirculating systems?" The answer is "No." The requirements of Section R403.5.1 of the 6th Edition (2017) Florida Building Code (FBC), Energy Conservation do not apply to the project in question. This section is mandatory if a heated water circulation system is installed.

Petition for Declaratory Statement (cont.):

DS 2018-0066 by David Porter of David Porter Associates Architects, Inc.

To the question, “does R403.5.1 state that IF a hot water recirculating system is installed in a single family dwelling, it then MUST conform to the control systems stipulated in section R403.5.1?” The answer is “Yes.” The requirements of Section R403.5.1 of the FBC, Energy Conservation are mandatory for a heated water circulation system

Public Comment:

Gary Kozan, stated that he agrees with the staff analysis and spoke about the differences in the plumbing code and the issues at the building departments.

Mr. Ranck entered a motion to accept the staff analysis. Mr. Sanders seconded the motion. The motion passed unanimously with a vote of 8 to 0.

Mr. Cochell joined the call bringing the total attendees to 9.

Review and provide recommendation to the Commission on possible submittals for approval of Energy compliance software for compliance with the 6th Edition (2017) FBC, Energy Conservation:

Matthew Duffy, IESVE provided a detailed background of the company and thanked everyone for the comments and stated he hoped his responses were clear.

Muthusamy Swami, FSEC expressed his concerns of the use of the reports. He stated that there should be a separate menu for code compliance. Mr. Swami stated that he would highly recommend that the baseline building be locked to avoid false compliance passing. In addition, he stated since the data for creating component minimum compliance report already exist in the IESVE software, it is highly recommended that reports such as those outlined in the TAM be included. Mr. Swami closed by stating he would recommend that an already feature-rich software, IESVE, be enhanced to make the Florida compliance process smoother, both for the user and building official.

Cory Duggin, TLC Engineering for Architecture stated they are users of the IESVE software and feels editing the baseline is okay but not necessary. He further stated they support this software.

Paul Bohres, stated he has downloaded this software and tested it, he stated he has had issues in the past which were corrected by the committee in regards to the baseline. He stated the baseline issues will cause problems at the building official level. Mr. Bohres stated there are always going to be ethical issues. He feels that there should be some notation of changes when they are made to the baseline.

Review and provide recommendation to the Commission on possible submittals for approval of Energy compliance software for compliance with the 6th Edition (2017) FBC, Energy Conservation (cont.):

Mr. Madani provided a full staff analysis stating the program was reviewed by staff and he listed the issues that need to be addressed as follows:

1. Compliance certificate box should be revised for consistency with Section C103.1.1 of the 6th Edition (2017) Florida Building Code, Energy Conservation
2. Compliance report should be revised to provide for specific documentation of the proposed building design energy measures for the applicable building systems (building Envelope, Lighting, HVAC, Service Water Heating etc.)
3. Compliance report should document compliance with the mandatory requirements of Section 11; Energy cost Budget Method of ASHRAE 90.1 – 13.
4. Baselines energy measures should be locked and users should not be allowed to edit them.

Mr. Duffy provided responses to each point of concern.

TAC Comments:

Commissioner Calleja stated he had two concerns, one being the baseline and the other would be the format of the report. He provided detail of the issues for both of his concerns.

Mr. Cochell asked why the baseline would need to be unlocked or allow changes.

Mr. Duffy explained why they felt this would be beneficial to the field operations.

Mr. Ranck stated there needs to be uniformity in the forms and feels there should be one report to avoid issues.

Commissioner Smith stated he agrees there needs to be uniformity to assist the officials.

Commissioner Calleja stated he thinks this should be left up to the professionals in the field.

Public Comment:

Paul Bohres said a proposed solution would be to create a general button for Florida compliance and add additional buttons for those that would need possible changes and this could stop deviation when it should not be completed.

Review and provide recommendation to the Commission on possible submittals for approval of Energy compliance software for compliance with the 6th Edition (2017) FBC, Energy Conservation (cont.):

Dustin Stephany, UF stated this is a great tool for designers and he likes the reports produced and feels this should be considered to allow buildings to be more efficient.

Mr. Bereket, FSEC backed up the questions and issues provided by Mr. Swami and stated reasons why. He filters can be added.

Mr. Duggin stated he felt the baseline should be open to the professionals.

Mr. Madani explained the reasons for the staff recommended changes and provided reasons for staying away from editing the baseline.

TAC Recommendation and Motion:

Mr. Sanders entered a motion to conditionally approve Energy Code Compliance Software for the 6th Edition (2017) Florida Building Code, Energy Conservation, specifically Integrated Environmental Solutions', IESVE software for demonstrating compliance with commercial buildings energy requirements using the ASHRAE Energy Cost Budget Method. Conditioned on IES revising the software as follows: 2.) Compliance report should be revised to provide for specific documentation of the proposed building design energy measures for the applicable building systems (building Envelope, Lighting, HVAC, Service Water Heating etc.) 3.) The compliance report should document compliance with the mandatory requirements of Section 11; Energy cost Budget Method of ASHRAE 90.1 – 13. Mr. Cochell seconded the motion.

Commissioner Smith asked for a friendly amendment to add #4 of staff recommendation to be added to the motion. "Baselines energy measures should be locked and users should not be allowed to edit them."

Mr. Sanders and Mr. Cochell accepted the amendment.

The final motion will read:

To conditionally approve Energy Code Compliance Software for the 6th Edition (2017) Florida Building Code, Energy Conservation, specifically Integrated Environmental Solutions', IESVE software for demonstrating compliance with commercial buildings energy requirements using the ASHRAE Energy Cost Budget Method conditioned on IES revising the software as follows: 1.) The compliance report should be revised to provide for specific documentation of the proposed

Review and provide recommendation to the Commission on possible submittals for approval of Energy compliance software for compliance with the 6th Edition (2017) FBC, Energy Conservation (cont.):

building design energy measures for the applicable building systems (building Envelope, Lighting, HVAC, Service Water Heating...etc.); 2.) The compliance report should document compliance with the mandatory requirements of Section 11; Energy cost Budget Method of ASHRAE 90.1 – 13; and 3.) Baselines energy measures should be locked and users should not be allowed to edit them.

Commissioner Calleja inquired about the TAM not restricting the baseline adjustments.

Mr. Vogel, Legal Counsel stated the TAM is a guideline or example and not to form decisions.

Motion Vote Called:

Chairman Smith called for the vote.

The vote was taken on the motion and passed unanimously with a vote of 9 to 0.

Status update regarding the "Residential Air Leakage (Blower Door) Testing for Florida Code Compliance:

Mr. Madani provided a status update for the Residential Air Leakage (Blower Door) Testing for Florida Code Compliance: He advised that the two documents are ready to be published. Mr. Madani stated there is no approval needed from the TAC; this is a status update only.

Public Comment: None

TAC Comment: None

Final Roll Call:

There being no further business before the TAC, Mr. Blair performed a closing roll call there were 9 members still present on the line.

Adjourn:

Chairman Smith adjourned the meeting at 3:15 p.m.