

**ENERGY TECHNICAL ADVISORY COMMITTEE
THE SHORES RESORT AND SPA
2637 SOUTH ATLANTIC AVENUE
DAYTONA BEACH SHORES, FLORIDA 32118
JUNE 18, 2018
8:00 A.M.**

MINUTES

ENERGY TAC PRESENT:

Drew Smith, Chairman
Steve Bassett
Kelley Smith Burk
Oscar Calleja
Bob Cochell

Jan Geyselaers
Tim Graboski
Jonathan Parks
Scott Ranck
Roger Sanders

ENERGY TAC NOT PRESENT:

David Wojcieszak

STAFF PRESENT:

Mo Madani
Thomas Campbell
Norman Bellamy
Marlita Peters

Justin Vogel
Chris Howell
Jim Hammers
Robert Benbow

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: 8:00 a.m.

Mr. Blair welcomed everyone to the meeting of the Energy TAC.

Roll Call:

Mr. Blair performed roll call for the Energy TAC. A quorum was determined with 10 members present.

Agenda Approval:

Mr. Blair advised that there was a small amendment, the TAC would take item 7 first.

Mr. Geyselaers entered a motion to approve the agenda for today's meeting as amended. Mr. Cochell seconded the motion. The motion passed unanimously with a vote of 10 to 0.

Approval of Minutes from May 31, 2018

Mr. Sanders entered a motion to approve the minutes from May 31, 2018 as posted. Mr. Cochell seconded the motion. The motion passed unanimously with a vote of 10 to 0.

Review and accept final 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 background on the project.

Bereket Nigusse, FSEC provided the final report with a power point presentation. He completed the report with recommendations to the TAC and Commission.

Questions and comments were expressed by Commissioner Calleja on evaluation of codes to the I Code and from Mr. Cochell regarding sealed attic systems.

Mr. Madani had questions on the modifications within the report.

Mr. Swami, FSEC and Rob Vieira, FSEC responded to all of the questions and comments presented.

Mr. Ranck expressed his thoughts on the validity of process to be studied.

Review and accept final 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.” (cont.):

Commissioner Bassett spoke on sealed attics with comparisons. He stated he had offered his own home to be researched and advised why he felt there should be no ventilated attics.

Commissioner Calleja entered a motion to accept the report titled “Comparison of the 6th Edition (2017) Florida Building Code, Energy Conservation with IECC 2018 and ASHRAE 90.1 - 2016.” Mr. Sanders seconded the motion. The motion passed with a vote of 9 in favor and 1 against.

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable.

Mr. Blair provided a brief overview of how the Code review process for this meeting.

Mr. Vogel addressed the TAC with the legal information regarding this code review.

Mr. Campbell addressed the TAC regarding the State building energy efficiency codes 42 US Code 6833. He cited section (5)(B) residential and he advised there is no mandate but provided the responsibility of the Commission. Mr. Campbell then cited (2)(B) commercial and advised that this section does have a mandate listed by the Department of Energy. He then discussed the second handout which listed the standards posted on February 27, 2018 and the requirements of the Commission. Mr. Campbell stated this TAC is the first step in getting certification to DOE on the updates to the building code.

Discussion followed with Mr. Campbell responding.

Mr. Blair went over all of the criteria choices for recommending a code.

Mr. Madani provided an overview of the tracking and code charts for the TAC.

TITLE (Mo)

G14-16 Part III

Commissioner Calleja stated his intent to recommend based on criteria F.

Eric Lacey, Responsible Code Alliance stated he was in favor.

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

Joe Belcher, FHBA stated he was opposed.

Commissioner Calleja entered a motion to recommend based on criteria F. Mr. Cochell seconded the motion. The motion passed with a vote of 7 in favor and 3 against.

TITLE (Mo)

CE3-16 Part I

No action

CE4-16 Part I

No action

CE5-16 Part I

No action

CE6-16

No action

CE9-16

No action

CE11-16 Part I

No action

CE15-16

No action

CE16-16

No action

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

CE20-16

No action

CE26-16 Part I

No action

CE29-16 Part I

No action

CE30-16 Part I

No action

CE34-16

No action

CE36-16

No action

CE55-16

No action

CE60-16

No action

CE61-16

No action

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

CE65-16 Part I

No action

CE68-16

No action

CE69-16

No action

CE72-16

No action

CE74-16

No action

CE78-16

No action

CE81-16

No action

CE82-16

No action

CE83-16

No action

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

CE84-16 Part I

No action

CE87-16 Part I

No action

CE94-16

No action

CE97-16

Bryan Holland, NEMA stated he supported this change based on criteria D and F.

Mr. Sanders entered a motion to recommend based on criteria D and F. Mr. Cochell seconded the motion. The motion failed with a vote of 4 in favor and 6 against.

CE98-16

No action

CE102-16

No action

CE108-16

No action

CE109-16

No action

CE113-16

No action

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

CE114-16 Part I

No action

CE116-16

No action

CE119-16

No action

CE122-16

No action

CE126-16

Mr. Geyselaers stated his intent to recommend based on criteria D and F.

Mr. Geyselaers entered a motion to recommend based on criteria D and F. Mr. Cochell seconded the motion. The motion passed with a vote of 9 in favor and 1 against.

CE127-16

No action

CE128-16

No action

CE130-16

No action

CE131-16

No action

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

CE131-16

No action

CE132-16

Rob Vieira, FSEC recommended approval to the TAC based on criteria D and F.

Mr. Geyselaers entered a motion to recommend based on criteria D and F. Commissioner Calleja seconded the motion. The motion passed unanimously with a vote of 10 to 0.

CE136-16

No action

CE137-16

No action

CE138-16

No action

CE139-16

No action

CE141-16

No action

CE143-16

No action

CE149-16

No action

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

CE150-16

No action

CE151-16

No action

CE152-16

Mr. Geyselaers stated his intent to recommend based on criteria D and F.

Mr. Geyselaers entered a motion to recommend based on criteria D and F. Mr. Cochell seconded the motion. The motion passed unanimously with a vote of 10 to 0.

CE153-16

No action

CE154-16

Mr. Geyselaers stated his intent to recommend based on criteria D and F.

Rob Vieira, FSEC stated he is support of this recommendation.

Mr. Geyselaers entered a motion to recommend based on criteria D and F. Mr. Cochell seconded the motion. The motion passed unanimously with a vote of 10 to 0.

CE155-16

No action

CE156-16

No action

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

CE157-16 Part I

No action

CE158-16

No action

CE160-16

No action

CE162-16

Doug Buck, FHBA requested clarification on cost decrease.

Commissioner Smith reminded Mr. Buck that this modification is commercial not residential.

Mr. Swami stated FSEC is not in favor of approving this modification.

Eric Lacey, Responsible Code Alliance stated he was in favor.

No action.

CE163-16

No action.

CE165-16

Mr. Swami, FSEC recommended approval based on D and F.

Mr. Geyselaers entered a motion recommend based on criteria D and F. Mr. Sanders seconded the motion. The motion passed unanimously with a vote of 10 to 0.

CE166-16

No action

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

CE167-16

Mr. Geyselaers stated his intent to recommend based on criteria D and F.

Mr. Geyselaers entered a motion to recommend based on criteria D and F. Mr. Sanders seconded the motion. The motion passed unanimously with a vote of 9 to 0 with one member out of the room at the time of the vote.

CE168-16

Mr. Swami stated he was in support based on D and F.

Commissioner Smith entered a motion recommend based on criteria D and F. Mr. Sanders seconded the motion. The motion passed unanimously with a vote of 10 to 0.

CE171-16

Mr. Swami stated he was in support based on D and F.

Commissioner Smith entered a motion recommend based on criteria D and F. Mr. Sanders seconded the motion. The motion passed unanimously with a vote of 10 to 0.

CE172-16

No action

CE173-16

No action

CE174-16

No action

CE177-16

No action

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

CE179-16

No action

CE180-16

No action

CE182-16

No action

CE183-16

No action

CE184-16

No action

CE185-16

Mr. Swami stated he was in support based on D and F.

Commissioner Smith entered a motion to recommend based on criteria D and F. Mr. Geyselaers seconded the motion. The motion passed unanimously with a vote of 10 to 0.

CE186-16

No action

CE187-16

Mr. Geyselaers stated his intent to recommend based on criteria D. Mr. Geyselaers entered a motion to recommend based on criteria D. Mr. Cochell seconded the motion. The motion passed unanimously with a vote of 10 to 0.

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

CE188-16

No action

CE190-16

No action

CE191-16

No action

CE192-16

No action

CE193-16

No action

CE195-16

No action

CE196-16

Mr. Swami, FSEC stated he would support based on criteria D and F.

Commissioner Smith entered a motion to recommend based on criteria D and F. Mr. Geyselaers seconded the motion. The motion passed with a vote of 9 in favor and 1 against.

CE198-16

Mr. Holland, NEMA stated he would support based on criteria F.

Mr. Geyselaers entered a motion to recommend based on criteria F. Mr. Sanders seconded the motion. The motion passed unanimously with a vote of 10 to 0.

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

CE201-16

No action

CE202-16

No action

CE203-16

No action

CE204-16

No action

CE205-16

No action

CE206-16

Mr. Swami, FSEC stated he supported based on criteria D and F.

Mr. Holland, NEMA stated he was also in support based on D and F.

Mr. Buck, FHBA expressed concerns over the continued use of the D and F criteria for justification.

Mr. Ranck entered a motion to recommend based on criteria D and F. Mr. Geyselaers seconded the motion. The motion passed unanimously with a vote of 10 to 0.

CE207-16

No action

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

CE209-16

Mr. Geyselaers entered a motion to recommend based on criteria D. Mr. Ranck seconded the motion. The motion passed unanimously with a vote of 10 to 0.

CE210-16

Mr. Holland, NEMA stated he would support based on criteria D and F.

Mr. Ranck entered a motion to recommend based on criteria D and F. Mr. Geyselaers seconded the motion. The motion passed unanimously with a vote of 10 to 0.

CE211-16

No action

CE212-16

No action

CE213-16

No action

CE215-16

No action

CE220-16

No action

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

CE221-16

Bryan Holland, NEMA stated he would support based on criteria D and F.

Mr. Geyselaers entered a motion to recommend based on criteria D and F. Mr. Ranck seconded the motion. The motion passed unanimously with a vote of 9 to 0 with one member out of the room during the vote.

CE223-16

Bryan Holland, NEMA stated he would support based on criteria D and F.

Mr. Geyselaers entered a motion to recommend based on criteria D and F. Commissioner Calleja seconded the motion. The motion passed unanimously with a vote of 9 to 0 with one member out of the room during the vote.

CE224-16

No action

CE226-16

No action

CE230-16

No action

CE235-16

No action

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

CE242-16

Pete Quintela, Miami-Dade stated he is in support based on criteria D and F.

Joseph Eysie, Florida Natural Gas Association, stated he was in opposition and stated full reason for opposition.

Mr. Geyselaers entered a motion to recommend based on criteria F. Commissioner Calleja seconded the motion. The motion passed unanimously with a vote of 10 to 0.

CE246-16

Pete Quintela, Miami-Dade stated he is in support based on criteria D and F.

Mr. Geyselaers entered a motion to recommend based on criteria F. Commissioner Smith seconded the motion. The motion passed unanimously with a vote of 10 to 0.

CE248-16 Part I

Pete Quintela, Miami-Dade stated he is in support based on criteria D.

Commissioner Calleja entered a motion to recommend based on criteria F. Commissioner Smith seconded the motion. The motion passed unanimously with a vote of 10 to 0.

CE250-16

Pete Quintela, Miami-Dade stated he is in support based on criteria D and F.

No action

CE251-16

No action

CE256-16

No action

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

CE256-16

No action

CE259-16 Part I

No action

CE260-16

No action

CE265-16

No action

CE266-16

No action

CE268-16

No action

CE274-16 Part I

No action

CE276-16

No action

CE279-16

No action

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

CE285-16

No action

CE286-16

No action

CE294-16

No action

TITLE (Mo)

CE3-16 Part II

No action

CE4-16 Part II

No action

CE11-16 Part II

No action

CE26-16 Part II

No action

CE30-16 Part II

No action

CE65-16 Part II

No action

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

CE84-16 Part II

No action

CE157-16 Part II

No action

CE174-16 Part II

No action

CE176-16 Part II

No action

CE177-16 Part II

No action

CE248-16 Part II

Bryan Holland, NEMA stated he would support based on criteria D and F.

Commissioner Calleja entered a motion to recommend based on criteria F. Mr. Geyselaers seconded the motion. The motion passed unanimously with a vote of 9 to 0 with one member out of the room during the vote.

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

CE274-16 Part II

No action

RE3-16

No action

RE5-16

Bryan Holland, NEMA, supports based on criteria F.

Rob Vierira, FSEC supports based on criteria F.

Mr. Ranck entered a motion to recommend based on criteria F. Commissioner Calleja seconded the motion. The motion passed unanimously with a vote of 9 to 0 with one member out of the room during the vote.

RE8-16

No action

RB21-16

No action

RE14-16

No action

RE17-16

No action

RE22-16

No action

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

RE31-16

No action

RE40-16

No action

RE53-16

Rob Vieira, FSEC stated he was in support under criteria F

No action

RE64-16

Jeff Sonne, FSEC stated he was in support under criteria F

Mr. Geyselaers entered a motion to recommend based on criteria F. Mr. Parks seconded the motion. The motion passed unanimously with a vote of 9 to 0 with one member out of the room during the vote.

RE65-16

Jeff Sonne, FSEC stated he was in support under criteria F

Mr. Geyselaers entered a motion to recommend based on criteria F. Mr. Ranck seconded the motion. The motion passed unanimously with a vote of 9 to 0 with one member out of the room during the vote.

RE71-16

Jeff Sonne, FSEC stated he was in support under criteria D

Commissioner Smith entered a motion to recommend based on criteria D and F. Mr. Parks seconded the motion. The motion passed unanimously with a vote of 9 to 0 with one member out of the room during the vote.

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

RE83-16

No action

RE84-16

No action

RE90-16

No action

RE99-16

No action

RE100-16

Mr. Geyselaers stated his intent to recommend based on criteria F.

Eric Lacey, Responsible Code Alliance stated he was in favor.

Rob Vieira, FSEC, stated he was in opposition.

Mr. Buck, F”HBA stated he was also opposed.

Mr. Geyselaers entered a motion to recommend based on criteria D and F. The motion died due to lack of a second.

RE102-16

No action

RE105-16

No action

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

RE110-16

No action

RE121-16

Jeff Sonne, FSEC stated he was in support of this recommendation based on criteria D/

No action

RE126-16

No action

RE127-16

Jeff Sonne, FSEC stated he was in support of this recommendation based on criteria D.
Bryan Holland, NEMA stated he was also in support based on criteria D and F.

No action

RE132-16

No action

RE140-16

No action

RE142-16

No action

RE143-16

No action

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

RE149-16

Jeff Sonne, FSEC stated he was in support of this recommendation based on criteria D.

Mr. Ranck entered a motion to recommend based on criteria F. Commissioner Calleja seconded the motion. The motion passed unanimously with a vote of 10 to 0.

RE152-16

No action

RE166-16

No action

RE173-16

No action

RE183-16

No action

RE184-16

No action

RE187-16

No action

RM48-15

No action

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

ADM1-16 Part II

No action

ADM1-16 Part III

No action

ADM16-16 Part II

No action

ADM16-16 Part III

No action

ADM2-16 Part II

No action

ADM2-16 Part III

No action

ADM4-16 Part II

No action

ADM4-16 Part III

No action

ADM56-16 Part I

No action

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

ADM56-16 Part II

No action

ADM56-16 Part III

No action

ADM60-16 Part III

No action

ADM6-16 Part II

No action

ADM6-16 Part III

No action

ADM6-16 Part IV

No action

ADM82-16 Part II

No action

ADM82-16 Part III

No action

ADM9-16 Part I

No action

Review the 2018 changes to the International Building Codes (I-Codes) and provide recommendations to the Commission regarding those changes that are needed to accommodate the specific needs of this state, as applicable (cont.):

ADM9-16 Part II

No action

ADM94-16

Bryan Holland, NEMA stated he was in support based on criteria F.
Joe Belcher, FHBA stated he was also in support based on criteria F.
Commissioner Schock, BOAF stated he was also in support based on criteria F.

Mr. Ranck entered a motion to recommend based on criteria F. Commissioner Calleja seconded the motion. The motion passed with a vote of 9 in favor and 1 against.

Lunch Break at 11:30 a.m.

Reconvened at 12:30 p.m.

Review and accept final draft report for research project titled “Investigate Energy Impact of Whole-House Dehumidifier Location.”

Mr. Madani provided background on the project.

Chuck Withers, FSEC provided a power point presentation detailing the project with updates for the final report.

Discussion followed with questions and answers.

Commissioner Calleja entered a motion to approve the report titled “Investigate Energy Impact of Whole-House Dehumidifier Location.” Mr. Grabowski seconded the motion. The motion passed unanimously with a vote of 10 to 0.

Mr. Parks had to leave the meeting; however, quorum remained with 9 members present.

Review and accept final draft report for research project titled “Residential Air Leakage and Mechanical Ventilation Verification.”

Jeff Sonne, FSEC, provided a power point presentation detailing the project with updates for the final report.

Review and accept final draft report for research project titled “Residential Air Leakage and Mechanical Ventilation Verification.”(cont.);

Commissioner Calleja entered a motion to approve the report titled “Residential Air Leakage and Mechanical Ventilation Verification.” Mr. Grabowski seconded the motion. The motion passed unanimously with a vote of 9 to 0.

Review and accept final draft report for research project titled “Webinar Workshops on Evaluation of the Cost Impact of Prescriptive Code Changes.”

Mr. Geyselaers entered a motion to accept the final draft report for project titled “Webinar Workshops on Evaluation of the Cost Impact of Prescriptive Code Changes.” Mr. Sanders seconded the motion. The motion passed unanimously with a vote of 9 to 0.

Review and accept final draft report for research project titled “Evaluation of the Cost Impact and Benefit of the 2018 I-Code Changes (Prescriptive Code Changes)”:

Mr. Ranck entered a motion to accept the report for Evaluation of the Cost Impact and Benefit of the 2018 I-Code Changes (Prescriptive Code Changes). Mr. Geyselaers seconded the motion. The motion passed unanimously with a vote of 9 to 0.

No public or TAC comments:

Chairman Smith asked for a motion to adjourn.

Mr. Cochell entered a motion to adjourn. Mr. Grabowski seconded the motion. The motion passed unanimously with a vote of 9 to 0.

The meeting adjourned at 1:33 p.m.