

**FLORIDA BUILDING COMMISSION
TAC CHAIRPERSONS MEETING
Embassy Suites Deerfield Beach
950 South Ocean Drive
Deerfield Beach, Florida 33441
August 7, 2017
1:00 PM**

TAC CHAIRMAN PRESENT:

Dick Browdy, FBC Chairman
James Batts, Swimming Pool
Steve Bassett, Mechanical
Fred Schilling, Plumbing
Jay Carlson, Code Administration
Kevin Flanagan, Electrical

Jeff Gross, Accessibility
Charlie Frank, Special Occupancy
Jim Schock, Structural
Drew Smith, Energy
Brian Swope, Roofing
Hamid Bahadori, Fire

TAC CHAIRMAN NOT PRESENT:

STAFF PRESENT:

Tom Campbell
Justin Vogel
Jim Hammers

Mo Madani
Chris Howell

OTHER COMMISSIONERS IN ATTENDANCE

Bob Boyer

Shane Gerwig

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: 1:00 p.m.

Chairman Browdy welcomed everyone to the annual meeting of TAC Chairman in Deerfield Beach, FL. He stated to set the stage for this meeting it is important to clarify that certain projects that are being proposed to the Commission have to meet certain criteria. Chairman Browdy stated the basic criteria is the determination of whether or not a project can be classified as a research project or a project for technical enrichment. He stated he would like to briefly go over those definitions and after that he will turn the floor over to Mr. Madani to discuss the available funding sources and provide the research review and timeline for this particular meeting.

Roll Call:

Jeff Blair performed roll call and a quorum was determined with 12 of 12 members present.

Agenda Approval:

Chairman Browdy asked for a motion to approve the agenda as it was posted. Commissioner Schilling entered a motion to approve the agenda, the motion was seconded by Commissioner Batts. The motion passed unanimously with a vote of 12 to 0.

Minutes and Facilitation Report Approval:

Chairman Browdy asked for a motion to approve the minutes/facilitation report from the August 15, 2016 TAC Chairman Meeting.

Commissioner Schilling entered the motion to approve the minutes/facilitation report from the August 15, 2016 TAC Chairman Meeting. Commissioner Batts seconded the motion. The motion passed unanimously with a vote of 12 to 0.

Process:

Mr. Blair explained the process for the Chairperson TAC meeting and the ranking process with the funding for those that meet the criteria. He also spoke to those who might be making presentations about time limitations.

Definitions:

Chairman Browdy continued with the following definitions for research and technical enrichment as it pertains to research projects for today.

Research: An important and necessary endeavor that aimed at studying specific code related issue(s)/topics for the purpose of providing solutions to a specific problem or future code change(s) directed at improving the implementation and enforcement of the FBC. The issue to be researched must be fully understood (i.e. with clear purpose of doing the research/goals); clearly defined with specific scope of work/approach; and within budget.

Technical Enrichment: An important and necessary endeavor that is aimed at evaluating complex related code issue(s)/topics for the purpose of providing educational/clarification experience or alternative solutions directed at improving the implementation and enforcement of the FBC. Method of delivery for these matters is through workshop/TAC meetings with specific participation of expert(s) in subject area of concern.

Chairman Browdy advised that Mr. Madani will now explain the funding measures and the criteria.

Funding and Criteria:

Mr. Madani reported that the Commission has approximately \$400,000 available for funding research projects for fiscal year 2017 - 2018. He said that there is a request for between \$908,974 and \$951,974 in funding (+-\$43,000 on #9-Roofing). Mr. Madani also noted that of the \$400,000 available for funding, \$202,910 is needed for funding research projects required for development of the 2020 Florida Building Code, leaving available funding of approximately \$197,090. He stated that the total amount of funding required to fully fund the 16 remaining eligible projects is \$701,064 -\$744,064 representing a funding deficit of between \$503,974 and \$546,974.

Workplan:

Mr. Madani provided the work plan with the time line as listed below:

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|--------------------|--|
| May - June, 2017 | Convene TACs to solicit research topics |
| July – August 2017 | Compile outcomes of TACs meetings/various research topics by TAC. |
| July – August 2017 | Make available list of research topics/Scope of Work for review at the TAC Chairs meeting. |
| August 7, 2017 | Chair meeting to consider and recommend list of research topics for consideration by the Commission. |
| August 8, 2017 | Commission decisions regarding funding research projects |
| August/Sept. 2017 | Solicit qualified entity to do the research. |
| October 2017 | Draft contract for research and implementation. |

Workplan (cont.):

- November 2017 Start contract (contract time frame 1- year).
Funding is contingent upon budget appropriation and must be spent within
the Fiscal Year.
- June 15, 2018 Complete research or partial completion.

TAC Consideration and Evaluation of Proposed Research Projects:

Mr. Blair provided the process for the evaluation of the proposed research projects.

Mr. Blair continued by providing the following process that the TAC Chairs would use for the evaluation.

- Incomplete project proposals (7 projects)—projects with no funding estimate provided and/or no written proposal submitted—will not be considered for evaluation during the TAC Chairs’ meeting.
- Projects proposals (5 projects) required for the development of the 2020 FBC will be funded, and will not be included in the prioritization exercise.
- Remaining project proposals (16 projects) in turn, will be tested with a straw poll vote regarding whether they meet the criteria for funding, those that achieve a 75% threshold on the straw poll will then receive a formal vote by the TAC chairs. PI’s whose projects don’t achieve a 75% straw poll level of support will be provided up to 3 minutes to address why their research project is consistent with the criteria for funding prior to the TAC Chairs’ formal vote regarding the same.
- Proponents with projects that are deemed to meet the criteria for funding will have 15 minutes total to present their proposal.
- Once all research project proposals meeting the criteria are presented by the PIs and public comment received, TAC Chairs will participate in a ranking exercise to determine the relative priority of each proposed project based on the adopted criteria and using the ten-point ranking scale described in the Ranking Matrix. Once ranked the TAC chairs will discuss how much funding to provide for proposals (Full/Partial/None) based on the available funding level.

Mr. Blair then asked the TAC chairs to review the three criteria and decide whether each of the 16 eligible proposed research projects met the criteria for funding: 1.) definition of research and/or technical enrichment; 2.) urgency/immediacy, and needed for the 2020 FBC, and/or legislative directive; and, 3.) funding available (full or partial).

Mr. Blair advised that there were 16 proposed projects that provided a complete application including a cost estimate were each considered regarding whether they met the criteria for funding.

TAC Consideration and Evaluation of Proposed Research Projects (cont.):

The TAC Chairs' considered each of the projects in turn by conducting a straw poll regarding whether the project met the criteria for funding, and if a 75% or greater ranking threshold was achieved then a formal vote was conducted. In instances where a less than 75% ranking threshold was achieved, the proponent for the project was provided three minutes to explain why their project met the criteria, and subsequently a formal vote was conducted.

Projects Recommended by TACs required for 2020 Code:

Mr. Blair announced that the following five projects would be recommended to be fully funded for the development of the 2020 Florida Building Code with a total cost of \$202, 910 and are needed for the 2020 Code.

1. Study on impact of code issues on property insurance rates, from the Fire TAC as priority one proposed by Mr. Apfelbeck at a cost of \$15,000.
2. Evaluation of Cost Impact and Benefit of 2018 Prescriptive Code Changes from the Fire TAC as priority two proposed by University of Florida at a cost of \$79,960.
3. Workshop on Evaluation of the Cost Impact of Prescriptive Code Changes from the Fire TAC priority two proposed by the University of Florida at a cost of \$39,950
4. Comparison of the 6th Edition Florida Building Energy Code with IECC 2018 and ASHRAE 90.1-2016 proposed by the Fire TAC as priority two by FSEC at a cost of \$48,000
5. A study to evaluate impact of code updates and the ISO, BCEGS and insurance premiums and a qualifier that would identify electrical requirements specifically by the Electrical TAC as a priority three by Mr. Holland at a cost of \$20,000.

Commissioner Schock entered a motion to approve these five projects for the development of the 2020 Code. Commissioner Schilling seconded the motion. The motion passed unanimously with a vote of 12 to 0.

Projects determined not to meet criteria:

After straw poll vote the following projects were determined not to meet the criteria. All proponents were allowed time to present the reason their projects did meet criteria and there was discussion among the TAC Chairs and public comments were heard.

1. Create an Electronic Storage Protocol for Building Permits Energy, by FSEC, \$54,999.
2. Residential Prescriptive and Performance Code Methodology for Crediting Smart Thermostats by FSEC, \$20,000.

Projects determined not to meet criteria (cont.):

3. Improving Water Heating Efficiency in the Residential Performance Code by FSEC, \$15,000
4. Investigation of Exterior Duct Condensation Potential of Deeply Buried Cold Air Supply Ducts in Florida Vented Attics by FSEC, \$82,000
5. Air Leakage and Conductive Impacts of Central Air Deep Media Filter Boxes and Electronic Air Cleaner Boxes by FSEC, \$29,000.
6. A study for building departments, contractors, owners, etc. to offer a resolution of outdated or expired permits to avoid time issues by Commissioner Gerwig, \$25,000.
7. A study on public restrooms below the “design flood” elevation Mr. Martin, \$150,000
8. A research project to see if it is reasonable to have a seismic design in Florida by Commissioner Schock, \$18,000.
9. A study on how buildings are to be designed in the future and how the code could consider sea level rise and sea level rise parameters by Mr. Gascon, \$45,000
10. Establish Bed Height, Bed Frame and Scoping Recommendations for the Florida Specific Accessibility/Transient Housing Section of Code by Commissioner Worrall, \$5,000.
11. Research on the need for changing tables for adults with disabilities and what other states are doing or not to assist with this need by Commissioner Schiffer, \$15,000.

Incomplete projects not considered:

The following 7 projects were not evaluated on the basis that the submittal (application) was incomplete and not eligible for consideration:

1. A study to determine specific changes in the code and a Committee to access the specific Code sections with stakeholders to get more information to local jurisdictions Mechanical TAC by Mr. Crum. There was no cost provided.
2. Expansion of the current University of Florida project on disasters to include water intrusion requirements, flood provisions, and the CCL requirements Structural by Commissioner Schock There was no cost provided.
3. Cost/Benefit Analysis of the requirement of automatic receptacle control in ASHRAE 90.1 to see if it is producing energy savings Electrical TAC by Mr. Territo. There was no cost provided.
4. A study to identify code modifications needed to enhance existing swimming pool electrical safety Electrical TAC by Mr. Holland. There was no cost provided.
5. A research project on the impact of residential fire spread between buildings in a fire scenario Fire TAC. There was no proposal submitted.
6. A study to make sure all local jurisdictions are using the same NEC requirements Electrical TAC. There was no proposal submitted.
7. Florida Specific Accessibility Requirements for Guest Rooms Accessibility TAC by Ms. Eustace. There was no cost provided.

TAC Chair Meeting

August 7, 2017

Page 7

The following four projects were determined to meet criteria and recommended for approval. There was in depth discussion among the TAC members, proponents and the public.

The TAC determined that the projects will be recommended for approval as follows as there was a need to reduce the cost by 19% on each project to remain in the allotted remaining funding.

1. Residential Air Leakage Testing and Mechanical Ventilation Verification - requested amount \$59,000 reduced to \$47,790.
2. Energy Impact of Dehumidifier Location – requested amount \$40,000 reduced to \$32,400.
3. Cost Study completed on decking systems in reference to the roofing diaphragms and costs to consumers – requested amount \$111,833 reduced to \$91,530, adding back \$20,303 from priority #2 from the Roofing TAC that will not be completed this year. Total for this project \$111,833.
4. Research project on Chapter 233 residential facilities requirements – requested amount \$5,000 reduced to \$4,050.

Commissioner Swope entered a motion to recommend the Commission approve funding the research projects for fiscal year 2017 - 2018 as recommended by the TAC chairs on the basis that the proposed projects evaluated meet the three criteria for funding: 1.) definition of research and/or technical enrichment, 2.) urgency/immediacy, and needed for the 2020 FBC and/or legislative directive, and 3.) funding available (full or partial), and should be approved for funding based on the funding levels recommended by the TAC chairs (\$398,983), and staff administering Commissioner Flanagan seconded the motion. The motion passed with 11 votes in favor and 1 vote against.

Public Comment:

Public comment was heard.

Adjournment:

Chairman Browdy stating there was no further business before the TAC adjourned the meeting at 3:16 p.m.