

**INTERNATIONAL CODE COUNCIL
2011 CODE DEVELOPMENT CYCLE**

**2011 REPORT OF THE PUBLIC HEARING
ON THE PUBLIC VERSIONS OF THE**

**INTERNATIONAL GREEN CONSTRUCTION CODE™ -
PUBLIC VERSION 2.0**

**INTERNATIONAL SWIMMING POOL AND SPA CODE™ -
PUBLIC VERSION 1.0**

**HELD IN DALLAS, TEXAS
MAY 16 – 22, 2011**

**PUBLIC COMMENT DEADLINE:
AUGUST 12, 2011**



First Printing

Publication Date: June 2011

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By

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TABLE OF CONTENTS

	Page
Introduction	iv
Public Comment Office Location	iv
ICC Website	iv
Modifications by Public Comment	v
Final Action Consideration	v
Call for Adoption Information.....	v
Call for 2012-2013 IgCC and ISPSC Code Committees	v
ICC Code Development Procedures (Council Policy CP #28).....	vi
Report of Public Hearing Table of Contents	xx

INTRODUCTION

This publication contains the 2011 Report of the Public Hearing on the proposed revisions to the *International Swimming Pool and Spa Code*, and *International Green Construction Code* held in Dallas, Texas, May 16 – 22, 2011.

This report includes the recommendation of the code development committee and the committee's reason on each proposed item. It also includes actions taken by the assembly in accordance with Section 5.7 of the *ICC Council Policy CP#28-05 Code Development (CP #28)*. Where the committee or assembly action was Approved as Modified, the proposed change, or a portion thereof, is included herein with the modification indicated in strikeout/underline format. Where this report indicates Withdrawn by Proponent the proposed change was withdrawn by the proponent and is not subject to any further consideration.

The text of the original code change proposals is published in two separate monographs titled 2011 Code Development Cycle Proposed Changes to the 2011 Editions of the *International Swimming Pool and Spa Code* PV 1.0, and 2011 Code Development Cycle Proposed Changes to the *International Green Construction Code* PV 2.0.

Final Action Hearings will be heard during the period of **October 31st – November 6th, 2011 at the Phoenix Convention Center in Phoenix, AZ**. The exact dates and the hearing schedule are to be determined.

Proposals on which there was a successful assembly action will be automatically included on the applicable final action agenda for individual consideration and voting by eligible voting members in accordance with Section 6.1.2 of CP #28.

Persons who wish to recommend an action other than that taken at the public hearing may submit a public comment in accordance with Section 6.0 of the *ICC CP#28-05 Code Development* (see page xiv). **The deadline for receipt of public comments is August 12, 2011.** Proposals which receive a public comment will be included on the final action agenda for individual consideration and voting by eligible voting members in accordance with Section 6.1.1 of CP #28.

PUBLIC COMMENTS SHOULD BE SENT TO THE FOLLOWING OFFICE VIA REGULAR MAIL OR EMAIL:

Send to:

Chicago District Office
4051 West Flossmoor Road
Country Club Hills, IL 60478-5795
Fax: 708/799-0320
publiccomments@iccsafe.org

Acronym ICC Code Name (Code change number prefix)

ISPSC	International Swimming Pool and Spa Code (SP)
IgCC	International Green Construction Code
	Energy/Water Committee (GEW)
	General Committee (GG)

ICC WEBSITE - [WWW.ICCSAFE.ORG](http://www.iccsafe.org)

While great care has been exercised in the publication of this document, errata may occur. Errata will be posted on the ICC website at www.iccsafe.org. Users are encouraged to review the ICC Website for errata to the 2011 Code Development Cycle Proposed Changes and the 2011 Report of the Public Hearing.

COMMITTEE ACTION ON CODE CHANGE PROPOSALS RELATIVE TO ICC 700 AND ASHRAE 189.1.

Code change proposals which address the scope and application of the referenced standards ICC 700 National Green Building Standard and ASHRAE 189.1 Standard for the Design of High-Performance Green Buildings were considered by the IgCC Code Development Committees during these hearings. The action taken by the Committees coupled with the final action taken at 2011 Final Action Hearings will be limited to an advisory recommendation to the ICC Board of Directors who will determine the final disposition on the proposed changes.

MODIFICATIONS BY PUBLIC COMMENT

Section 6.4.3 of CP #28 allows modifications to be proposed by a public comment to code changes for consideration at the Final Action Hearings. For the modification to be considered at the Final Action Hearings, the public comment must request Approval as Modified with the specific modification included in the public comment. The modification must be within the scope of the original proposed code change and relevant to the specific issue in the original code change.

FINAL ACTION CONSIDERATION

In summary, the items that will be on the agenda for individual consideration and action are:

1. Proposed changes that received a successful Assembly Action (Section 5.7); or
2. Proposed changes that received a public comment (Section 6.0).

CALL FOR ADOPTION INFORMATION

Please take a minute to visit the ICC Code Adoption Maps at www.iccsafe.org/gr/Pages/adoptions.aspx scroll to the bottom of the page and click on one of the jurisdiction maps and review the information as it relates to your jurisdiction. To see state/jurisdiction in chart form (PDF), go to Related Links (right side of screen) and choose the related file. If your jurisdiction is not listed, or is listed with incorrect information, click on the Code Adoption Resources (left side of screen), and click on Submit Adoption Info and provide correct information.

Call for 2012/2013 IgCC and ISPSC CODE COMMITTEES

International Code Committees are an instrumental part of the ICC Code Development Process. The ISPSC Committee and the two IgCC Committees (IgCC-Energy/Water and IgCC-General Committee) are Group B Code Committees and will hear the 2013 code change proposals at the 2013 Code Development Hearing during the period of April 21 – 28, 2013.

At this time, ICC is receiving applications for members for the IgCC Energy/Water, IgCC-General, and the ISPSC Code Committees. These Code Committee members will be considered for appointment by the newly formed Codes and Standards Council with final approval resting with the ICC Board of Directors. 2011 Code Committee members whose term expires December 31, 2011, must reapply to be considered for re-appointment. To apply, please visit www.iccsafe.org/cc/Pages/2012-13Call.aspx.

Application deadline: August 1, 2011.

CP# 28-05 CODE DEVELOPMENT

Approved: 9/24/05

Revised: 2/27/09

CP # 28-05 is an update to ICC's *Code Development Process for the International Codes* dated May 15, 2004.

1.0 Introduction

- 1.1 **Purpose:** The purpose of this Council Policy is to prescribe the Rules of Procedure utilized in the continued development and maintenance of the International Codes (Codes).
- 1.2 **Objectives:** The ICC Code Development Process has the following objectives:
 - 1.2.1 The timely evaluation and recognition of technological developments pertaining to construction regulations.
 - 1.2.2 The open discussion of proposals by all parties desiring to participate.
 - 1.2.3 The final determination of Code text by officials representing code enforcement and regulatory agencies and by honorary members.
- 1.3 **Code Publication:** The ICC Board of Directors (ICC Board) shall determine the title and the general purpose and scope of each Code published by the ICC.
 - 1.3.1 **Code Correlation:** The provisions of all Codes shall be consistent with one another so that conflicts between the Codes do not occur. Where a given subject matter or code text could appear in more than one Code, the ICC Board shall determine which Code shall be the primary document, and therefore which code development committee shall be responsible for review and maintenance of the code text. Duplication of content or text between Codes shall be limited to the minimum extent necessary for practical usability of the Codes, as determined in accordance with Section 4.4.
- 1.4 **Process Maintenance:** The review and maintenance of the Code Development Process and these Rules of Procedure shall be by the ICC Board. The manner in which ICC codes are developed embodies core principles of the organization. One of those principles is that the final content of ICC codes is determined by a majority vote of the governmental and honorary members. It is the policy of the Board that there shall be no change to this principle without the affirmation of two-thirds of the governmental and honorary members responding.
- 1.5 **Secretariat:** The Chief Executive Officer shall assign a Secretariat for each of the Codes. All correspondence relating to code change proposals and public comments shall be addressed to the Secretariat.
- 1.6 **Video Taping:** Individuals requesting permission to video tape any meeting, or portion thereof, shall be required to provide the ICC with a release of responsibility disclaimer and shall acknowledge that they have insurance coverage for liability and misuse of video tape materials. Equipment and the process used to video tape shall, in the judgment of the ICC Secretariat, be conducted in a manner that is not disruptive to the meeting. The ICC shall not be responsible for equipment, personnel or any other provision necessary to accomplish the videotaping. An unedited copy of the video tape shall be forwarded to ICC within 30 days of the meeting.

2.0 Code Development Cycle

- 2.1 Intent:** The code development cycle shall consist of the complete consideration of code change proposals in accordance with the procedures herein specified, commencing with the deadline for submission of code change proposals (see Section 3.5) and ending with publication of final action on the code change proposals (see Section 7.6).
- 2.2 New Editions:** The ICC Board shall determine the schedule for publishing new editions of the Codes. Each new edition shall incorporate the results of the code development activity since the last edition.
- 2.3 Supplements:** The results of code development activity between editions may be published.
- 2.4 Emergency Procedures:** In the event that the ICC Board determines that an emergency amendment to any Code is warranted, the same may be adopted by the ICC Board. Such action shall require an affirmative vote of at least two-thirds of the ICC Board.

The ICC membership shall be notified within ten days after the ICC Boards' official action of any emergency amendment. At the next Annual Business Meeting, any emergency amendment shall be presented to the members for ratification by a majority of the ICC Governmental Member Representatives and Honorary Members present and voting.

All code revisions pursuant to these emergency procedures and the reasons for such corrective action shall be published as soon as practicable after ICC Board action. Such revisions shall be identified as an emergency amendment.

Emergency amendments to any Code shall not be considered as a retro-active requirement to the Code. Incorporation of the emergency amendment into the adopted Code shall be subjected to the process established by the adopting authority.

3.0 Submittal of Code Change Proposals

- 3.1 Intent:** Any interested person, persons or group may submit a code change proposal which will be duly considered when in conformance to these Rules of Procedure.
- 3.2 Withdrawal of Proposal:** A code change proposal may be withdrawn by the proponent (WP) at any time prior to Final Action Consideration of that proposal. A withdrawn code change proposal shall not be subject to a public hearing, motions, or Final Action Consideration.
- 3.3 Form and Content of Code Change Submittals:** Each code change proposal shall be submitted separately and shall be complete in itself. Each submittal shall contain the following information:
- 3.3.1 Proponent:** Each code change proposal shall include the name, title, mailing address, telephone number, and email address of the proponent.
- 3.3.1.1** If a group, organization or committee submits a code change proposal, an individual with prime responsibility shall be indicated.
- 3.3.1.2** If a proponent submits a code change on behalf of a client, group, organization or committee, the name and mailing address of the client, group, organization or committee shall be indicated.
- 3.3.2 Code Reference:** Each code change proposal shall relate to the applicable code sections(s) in the latest edition of the Code.
- 3.3.2.1** If more than one section in the Code is affected by a code change proposal, appropriate proposals shall be included for all such affected sections.

3.3.2.2 If more than one Code is affected by a code change proposal, appropriate proposals shall be included for all such affected Codes and appropriate cross referencing shall be included in the supporting information.

3.3.3 Multiple code change proposals to a code section. A proponent shall not submit multiple code change proposals to the same code section. When a proponent submits multiple code change proposals to the same section, the proposals shall be considered as incomplete proposals and processed in accordance with Section 4.3. This restriction shall not apply to code change proposals that attempt to address differing subject matter within a code section.

3.3.4 Text Presentation: The text proposal shall be presented in the specific wording desired with deletions shown struck out with a single line and additions shown underlined with a single line.

3.3.4.1 A charging statement shall indicate the referenced code section(s) and whether the proposal is intended to be an addition, a deletion or a revision to existing Code text.

3.3.4.2 Whenever practical, the existing wording of the text shall be preserved with only such deletions and additions as necessary to accomplish the desired change.

3.3.4.3 Each proposal shall be in proper code format and terminology.

3.3.4.4 Each proposal shall be complete and specific in the text to eliminate unnecessary confusion or misinterpretation.

3.3.4.5 The proposed text shall be in mandatory terms.

3.3.5 Supporting Information: Each code change proposal shall include sufficient supporting information to indicate how the proposal is intended to affect the intent and application of the Code.

3.3.5.1 Purpose: The proponent shall clearly state the purpose of the proposed code change (e.g. clarify the Code; revise outdated material; substitute new or revised material for current provisions of the Code; add new requirements to the Code; delete current requirements, etc.)

3.3.5.2 Reasons: The proponent shall justify changing the current Code provisions, stating why the proposal is superior to the current provisions of the Code. Proposals which add or delete requirements shall be supported by a logical explanation which clearly shows why the current Code provisions are inadequate or overly restrictive, specifies the shortcomings of the current Code provisions and explains how such proposals will improve the Code.

3.3.5.3 Substantiation: The proponent shall substantiate the proposed code change based on technical information and substantiation. Substantiation provided which is reviewed in accordance with Section 4.2 and determined as not germane to the technical issues addressed in the proposed code change shall be identified as such. The proponent shall be notified that the proposal is considered an incomplete proposal in accordance with Section 4.3 and the proposal shall be held until the deficiencies are corrected. The proponent shall have the right to appeal this action in accordance with the policy of the ICC Board. The burden of providing substantiating material lies with the proponent of the code change proposal.

3.3.5.4 Bibliography: The proponent shall submit a bibliography of any substantiating material submitted with the code change proposal. The bibliography shall be published with the code change and the proponent shall make the substantiating materials available for review at the appropriate ICC office and during the public hearing.

3.3.5.5 Copyright Release: The proponent of code change proposals, floor modifications and public comments shall sign a copyright release reading: "I hereby grant and assign to ICC all rights in copyright I may have in any authorship contributions I make to ICC in connection with any proposal and public comment, in its original form submitted or revised form, including written and verbal modifications submitted in accordance Section 5.5.2. I understand that I will have no rights in any ICC publications that use such contributions in the form submitted by me or another similar form and certify that such contributions are not protected by the copyright of any other person or entity."

3.3.5.6 Cost Impact: The proponent shall indicate one of the following regarding the cost impact of the code change proposal: 1) the code change proposal will increase the cost of construction; or 2) the code change proposal will not increase the cost of construction. This information will be included in the published code change proposal.

3.4 Number: One copy of each code change proposal, two copies of each proposed new referenced standard and one copy of all substantiating information shall be submitted. Additional copies may be requested when determined necessary by the Secretariat to allow such information to be distributed to the code development committee. Where such additional copies are requested, it shall be the responsibility of the proponent to send such copies to the respective code development committee. A copy of the code change proposal in electronic form is preferred.

3.5 Submittal Deadline: Each code change proposal shall be received at the office of the Secretariat by the posted deadline. Such posting shall occur no later than 120 days prior to the code change deadline. The submitter of a proposed code change is responsible for the proper and timely receipt of all pertinent materials by the Secretariat.

3.6 Referenced Standards: In order for a standard to be considered for reference or to continue to be referenced by the Codes, a standard shall meet the following criteria:

3.6.1 Code References:

3.6.1.1 The standard, including title and date, and the manner in which it is to be utilized shall be specifically referenced in the Code text.

3.6.1.2 The need for the standard to be referenced shall be established.

3.6.2 Standard Content:

3.6.2.1 A standard or portions of a standard intended to be enforced shall be written in mandatory language.

3.6.2.2 The standard shall be appropriate for the subject covered.

3.6.2.3 All terms shall be defined when they deviate from an ordinarily accepted meaning or a dictionary definition.

3.6.2.4 The scope or application of a standard shall be clearly described.

3.6.2.5 The standard shall not have the effect of requiring proprietary materials.

- 3.6.2.6** The standard shall not prescribe a proprietary agency for quality control or testing.
- 3.6.2.7** The test standard shall describe, in detail, preparation of the test sample, sample selection or both.
- 3.6.2.8** The test standard shall prescribe the reporting format for the test results. The format shall identify the key performance criteria for the element(s) tested.
- 3.6.2.9** The measure of performance for which the test is conducted shall be clearly defined in either the test standard or in Code text.
- 3.6.2.10** The standard shall not state that its provisions shall govern whenever the referenced standard is in conflict with the requirements of the referencing Code.
- 3.6.2.11** The preface to the standard shall announce that the standard is promulgated according to a consensus procedure.

3.6.3 Standard Promulgation:

- 3.6.3.1** Code change proposals with corresponding changes to the code text which include a reference to a proposed new standard or a proposed update of an existing referenced shall comply with this section. The standard shall be completed and readily available prior to Final Action Consideration based on the cycle of code development which includes the proposed code change proposal. In order for a new standard to be considered for reference by the Code, such standard shall be submitted in at least a consensus draft form in accordance with Section 3.4. Updating of standards without corresponding code text changes shall be accomplished administratively in accordance with Section 4.5.
- 3.6.3.2** The standard shall be developed and maintained through a consensus process such as ASTM or ANSI.

4.0 Processing of Proposals

- 4.1 Intent:** The processing of code change proposals is intended to ensure that each proposal complies with these Rules of Procedure and that the resulting published proposal accurately reflects that proponent's intent.
- 4.2 Review:** Upon receipt in the Secretariat's office, the code change proposals will be checked for compliance with these Rules of Procedure as to division, separation, number of copies, form, language, terminology, supporting statements and substantiating data. Where a code change proposal consists of multiple parts which fall under the maintenance responsibilities of different code committees, the Secretariat shall determine the code committee responsible for determining the committee action in accordance with Section 5.6.
- 4.3 Incomplete Proposals:** When a code change proposal is submitted with incorrect format, without the required information or judged as not in compliance with these Rules of Procedure, the Secretariat shall notify the proponent of the specific deficiencies and the proposal shall be held until the deficiencies are corrected, with a final date set for receipt of a corrected submittal. If the Secretariat receives the corrected proposal after the final date, the proposal shall be held over until the next code development cycle. Where there are otherwise no deficiencies addressed by this section, a proposal that incorporates a new referenced standard shall be processed with an analysis of referenced standard's compliance with the criteria set forth in Section 3.6.

4.4 Editorial: The Chief Executive Officer shall have the authority at all times to make editorial and format changes to the Code text, or any approved changes, consistent with the intent, provisions and style of the Code. An editorial or format change is a text change that does not affect the scope or application of the code requirements.

4.5 Updating Standards:

4.5.1 Standards referenced in the 2012 Edition of the I-Codes: The updating of standards referenced by the Codes shall be accomplished administratively by the Administrative code development committee in accordance with these full procedures except that the deadline for availability of the updated standard and receipt by the Secretariat shall be December 1, 2011. The published version of the 2012 Code which references the standard will refer to the updated edition of the standard. If the standard is not available by the deadline, the edition of the standard as referenced by the newly published Code shall revert back to the reference contained in the previous edition and an errata to the Code issued Multiple standards to be updated may be included in a single proposal.

4.5.2 Standards referenced in the 2015 Edition and following Editions of the I-Codes: The updating of standards referenced by the Codes shall be accomplished administratively by the Administrative code development committee in accordance with these full procedures except that multiple standards to be updated may be included in a single proposal. The standard shall be completed and readily available prior to Final Action Consideration of the Administrative code change proposal which includes the proposed update.

4.6 Preparation: All code change proposals in compliance with these procedures shall be prepared in a standard manner by the Secretariat and be assigned separate, distinct and consecutive numbers. The Secretariat shall coordinate related proposals submitted in accordance with Section 3.3.2 to facilitate the hearing process.

4.7 Publication: All code change proposals shall be posted on the ICC website at least 30 days prior to the public hearing on those proposals and shall constitute the agenda for the public hearing. Code change proposals which have not been published shall not be considered.

5.0 Public Hearing

5.1 Intent: The intent of the public hearing is to permit interested parties to present their views including the cost and benefits on the code change proposals on the published agenda. The code development committee will consider such comments as may be presented in the development of their action on the disposition of such proposals. At the conclusion of the code development committee deliberations, the committee action on each code change proposal shall be placed before the hearing assembly for consideration in accordance with Section 5.7.

5.2 Committee: The Code Development Committees shall be appointed by the applicable ICC Council.

5.2.1 Chairman/Moderator: The Chairman and Vice-Chairman shall be appointed by the Steering Committee on Councils from the appointed members of the committee. The ICC President shall appoint one or more Moderators who shall act as presiding officer for the public hearing.

5.2.2 Conflict of Interest: A committee member shall withdraw from and take no part in those matters with which the committee member has an undisclosed financial, business or property interest. The committee member shall not participate in any committee discussion on the matter or any committee vote. Violation thereof shall result in the immediate removal of the committee member from the committee. A committee member who is a proponent of a proposal shall not participate in any committee discussion on the matter or any committee vote. Such committee

member shall be permitted to participate in the floor discussion in accordance with Section 5.5 by stepping down from the dais.

5.2.3 Representation of Interest: Committee members shall not represent themselves as official or unofficial representatives of the ICC except at regularly convened meetings of the committee.

5.2.4 Committee Composition: The committee may consist of representation from multiple interests. A minimum of thirty-three and one-third percent (33.3%) of the committee members shall be regulators.

5.3 Date and Location: The date and location of each public hearing shall be announced not less than 60 days prior to the date of the public hearing.

5.4 General Procedures: *The Robert's Rules of Order* shall be the formal procedure for the conduct of the public hearing except as a specific provision of these Rules of Procedure may otherwise dictate. A quorum shall consist of a majority of the voting members of the committee.

5.4.1 Chair Voting: The Chairman of the committee shall vote only when the vote cast will break a tie vote of the committee.

5.4.2 Open Meetings: Public hearings of the Code Development Committees are open meetings. Any interested person may attend and participate in the Floor Discussion and Assembly.

Consideration portions of the hearing. Only eligible voters (see Section 5.7.4) are permitted to vote on Assembly Considerations. Only Code Development Committee members may participate in the Committee Action portion of the hearings (see Section 5.6).

5.4.3 Presentation of Material at the Public Hearing: Information to be provided at the hearing shall be limited to verbal presentations and modifications submitted in accordance with Section 5.5.2. Audio-visual presentations are not permitted. Substantiating material submitted in accordance with Section 3.3.4.4 and other material submitted in response to a code change proposal shall be located in a designated area in the hearing room and shall not be distributed to the code development committee at the public hearing.

5.4.4 Agenda Order: The Secretariat shall publish an agenda for each public hearing, placing individual code change proposals in a logical order to facilitate the hearing. Any public hearing attendee may move to revise the agenda order as the first order of business at the public hearing, or at any time during the hearing except while another proposal is being discussed. Preference shall be given to grouping like subjects together, and for moving items back to a later position on the agenda as opposed to moving items forward to an earlier position. A motion to revise the agenda order is subject to a 2/3 vote of those present and voting.

5.4.5 Reconsideration: There shall be no reconsideration of a proposed code change after it has been voted on by the committee in accordance with Section 5.6; or, in the case of assembly consideration, there shall be no reconsideration of a proposed code change after it has been voted on by the assembly in accordance with Section 5.7.

5.4.6 Time Limits: Time limits shall be established as part of the agenda for testimony on all proposed changes at the beginning of each hearing session. Each person requesting to testify on a change shall be given equal time. In the interest of time and fairness to all hearing participants, the Moderator shall have limited authority to modify time limitations on debate. The Moderator shall have the authority to adjust time limits as necessary in order to complete the hearing agenda.

5.4.6.1 Time Keeping: Keeping of time for testimony by an individual shall be by an automatic timing device. Remaining time shall be evident to the person testifying. Interruptions during testimony shall not be tolerated. The Moderator shall maintain appropriate decorum during all testimony.

5.4.6.2 Proponent Testimony: The Proponent is permitted to waive an initial statement. The Proponent shall be permitted to have the amount of time that would have been allocated during the initial testimony period plus the amount of time that would be allocated for rebuttal. Where the code change proposal is submitted by multiple proponents, this provision shall permit only one proponent of the joint submittal to be allotted additional time for rebuttal.

5.4.7 Points of Order: Any person participating in the public hearing may challenge a procedural ruling of the Moderator or the Chairman. A majority vote of the eligible voters as determined in Section 5.7.4 shall determine the decision.

5.5 Floor Discussion: The Moderator shall place each code change proposal before the hearing for discussion by identifying the proposal and by regulating discussion as follows:

5.5.1 Discussion Order:

1. *Proponents.* The Moderator shall begin by asking the proponent and then others in support of the proposal for their comments.
2. *Opponents.* After discussion by those in support of a proposal, those opposed hereto, if any, shall have the opportunity to present their views.
3. *Rebuttal in support.* Proponents shall then have the opportunity to rebut points raised by the opponents.
4. *Rerebuttal in opposition.* Opponents shall then have the opportunity to respond to the proponent's rebuttal.

5.5.2 Modifications: Modifications to proposals may be suggested from the floor by any person participating in the public hearing. The person proposing the modification is deemed to be the proponent of the modification.

5.5.2.1 Submission and Written Copies. All modifications must be written, unless determined by the Chairman to be either editorial or minor in nature. The modification proponent shall provide 20 copies to the Secretariat for distribution to the committee.

5.5.2.2 Criteria. The Chairman shall rule proposed modifications in or out of order before they are discussed on the floor. A proposed modification shall be ruled out of order if it:

1. is not legible, unless not required to be written in accordance with Section 5.5.2.1; or
2. changes the scope of the original proposal; or
3. is not readily understood to allow a proper assessment of its impact on the original proposal or the code.

The ruling of the Chairman on whether or not the modification is in or out of order shall be final and is not subject to a point of order in accordance with Section 5.4.7.

5.5.2.3 Testimony. When a modification is offered from the floor and ruled in order by the Chairman, a specific floor discussion on that modification is to commence in accordance with the procedures listed in Section 5.5.1.

5.6 Committee Action: Following the floor discussion of each code change proposal, one of the following motions shall be made and seconded by members of the committee.

1. Approve the code change proposal as submitted (AS) or
2. Approve the code change proposal as modified with specific modifications (AM), or
3. Disapprove the code change proposal (D)

Discussion on this motion shall be limited to Code Development Committee members. If a committee member proposes a modification which had not been proposed during floor discussion, the Chairman shall rule on the modification in accordance with Section 5.5.2.2. If a committee member raises a matter of issue, including a proposed modification, which has not been proposed or discussed during the floor discussion, the Moderator shall suspend the committee discussion and shall reopen the floor discussion for comments on the specific matter or issue. Upon receipt of all comments from the floor, the Moderator shall resume committee discussion.

The Code Development Committee shall vote on each motion with the majority dictating the committee's action. Committee action on each code change proposal shall be completed when one of the motions noted above has been approved. Each committee vote shall be supported by a reason.

The Code Development Committee shall maintain a record of its proceedings including the action on each code change proposal.

5.7 Assembly Consideration: At the conclusion of the committee's action on a code change proposal and before the next code change proposal is called to the floor, the Moderator shall ask for a motion from the public hearing attendees who may object to the committee's action. If a motion in accordance with Section 5.7.1 is not brought forward on the committee's action, the results of the public hearing shall be established by the committee's action. If a motion in accordance with Section 5.7.1 is brought forward and is sustained in accordance with Section 5.7.3, both the committee's action and the assemblies' action shall be reported as the results of the public hearing. Where a motion is sustained in accordance with Section 5.7.3, such action shall be the initial motion considered at Final Action Consideration in accordance with Section 7.3.8.2.

5.7.1 Floor Motion: Any attendee may raise an objection to the committee's action in which case the attendee will be able to make a motion to:

1. Approve the code change proposal as submitted from the floor (ASF), or
2. Approve the code change proposal as modified from the floor (AMF) with a specific modification that has been previously offered from the floor and ruled in order by the Chairman during floor discussion (see Section 5.5.2) or has been offered by a member of the Committee and ruled in order by the Chairman during committee discussion (see Section 5.6), or
3. Disapprove the code change proposal from the floor (DF).

5.7.2 Discussion: On receipt of a second to the floor motion, the Moderator shall place the motion before the assembly for a vote. No additional testimony shall be permitted.

5.7.3 Assembly Action: The assembly action shall be in accordance with the following majorities based on the number of votes cast by eligible voters (See 5.7.4).

Committee Action	Desired Assembly Action		
	ASF	AMF	DF
AS	--	2/3 Majority	2/3 Majority
AM	2/3 Majority	2/3 Majority	2/3 Majority
D	2/3 Majority	2/3 Majority	--

5.7.4 Eligible Voters: All members of ICC in attendance at the public hearing shall be eligible to vote on floor motions. Only one vote authorized for each eligible attendee. Code Development Committee members shall be eligible to vote on floor motions. Application, whether new or updated, for ICC membership must be received by the Code Council ten days prior to the commencement of the first day of the public hearing.

- 5.8 Report of the Public Hearing:** The results of the public hearing, including committee action and successful assembly action, shall be posted on the ICC website not less than 60 days prior to Final Action Consideration except as approved by the ICC Board.

6.0 Public Comments

- 6.1 Intent:** The public comment process gives attendees at the Final Action Hearing an opportunity to consider specific objections to the results of the public hearing and more thoughtfully prepare for the discussion for Final Action Consideration. The public comment process expedites the Final Action Consideration at the Final Action Hearing by limiting the items discussed to the following:

6.1.1 Consideration of items for which a public comment has been submitted; and

6.1.2 Consideration of items which received a successful assembly action at the public hearing.

- 6.2 Deadline:** The deadline for receipt of a public comment to the results of the public hearing shall be announced at the public hearing but shall not be less than 30 days from the availability of the report of the results of the public hearing (see Section 5.8).

- 6.3 Withdrawal of Public Comment:** A public comment may be withdrawn by the public commenter at any time prior to Final Action Consideration of that comment. A withdrawn public comment shall not be subject to Final Action Consideration. If the only public comment to a code change proposal is withdrawn by the public commenter prior to the vote on the consent agenda in accordance with Section 7.3.4, the proposal shall be considered as part of the consent agenda. If the only public comment to a code change proposal is withdrawn by the public commenter after the vote on the consent agenda in accordance with Section 7.3.4, the proposal shall continue as part of the individual consent agenda in accordance with Section 7.3.5, however the public comment shall not be subject to Final Action Consideration.

- 6.4 Form and Content of Public Comments:** Any interested person, persons, or group may submit a public comment to the results of the public hearing which will be considered when in conformance to these requirements. Each public comment to a code change proposal shall be submitted separately and shall be complete in itself. Each public comment shall contain the following information:

6.4.1 Public comment: Each public comment shall include the name, title, mailing address, telephone number and email address of the public commenter. If group, organization, or committee submits a public comment, an individual with prime responsibility shall be indicated. If a public comment is submitted on behalf a client, group, organization or committee, the name and mailing address of the client, group, organization or committee shall be indicated. The scope of the public comment shall be consistent with the scope of the original code change proposal, committee action or successful assembly action. Public comments which are determined as not within the scope of the code change proposal, committee action or successful assembly action shall be identified as such. The public commenter shall be notified that the public comment is considered an incomplete public comment in accordance with Section 6.5.1 and the public comment shall be held until the deficiencies are corrected. A copyright release in accordance with Section 3.3.4.5 shall be provided with the public comment.

6.4.2 Code Reference: Each public comment shall include the code change proposal number and the results of the public hearing, including successful assembly actions, on the code change proposal to which the public comment is directed.

6.4.3 Multiple public comments to a code change proposal. A proponent shall not submit multiple public comments to the same code change proposal. When a proponent submits multiple public comments to the same code change proposal, the public comments shall be considered as incomplete public comments and

processed in accordance with Section 6.5.1. This restriction shall not apply to public comments that attempt to address differing subject matter within a code section.

6.4.4 Desired Final Action: The public comment shall indicate the desired final action as one of the following:

1. Approve the code change proposal as submitted (AS), or
2. Approve the code change proposal as modified (AM) by one or more specific modifications published in the Results of the Public Hearing or published in a public comment, or
3. Disapprove the code change proposal (D)

6.4.5 Supporting Information: The public comment shall include in a statement containing a reason and justification for the desired final action on the code change proposal. Reasons and justification which are reviewed in accordance with Section 6.4 and determined as not germane to the technical issues addressed in the code change proposal or committee action shall be identified as such. The public commenter shall be notified that the public comment is considered an incomplete public comment in accordance with Section 6.5.1 and the public comment shall be held until the deficiencies are corrected. The public commenter shall have the right to appeal this action in accordance with the policy of the ICC Board. A bibliography of any substantiating material submitted with a public comment shall be published with the public comment and the substantiating material shall be made available at the Final Action Hearing.

6.4.6 Number: One copy of each public comment and one copy of all substantiating information shall be submitted. Additional copies may be requested when determined necessary by the Secretariat. A copy of the public comment in electronic form is preferred.

6.5 Review: The Secretariat shall be responsible for reviewing all submitted public comments from an editorial and technical viewpoint similar to the review of code change proposals (See Section 4.2).

6.5.1 Incomplete Public Comment: When a public comment is submitted with incorrect format, without the required information or judged as not in compliance with these Rules of Procedure, the public comment shall not be processed. The Secretariat shall notify the public commenter of the specific deficiencies and the public comment shall be held until the deficiencies are corrected, or the public comment shall be returned to the public commenter with instructions to correct the deficiencies with a final date set for receipt of the corrected public comment.

6.5.2 Duplications: On receipt of duplicate or parallel public comments, the Secretariat may consolidate such public comments for Final Action Consideration. Each public commenter shall be notified of this action when it occurs.

6.5.3 Deadline: Public comments received by the Secretariat after the deadline set for receipt shall not be published and shall not be considered as part of the Final Action Consideration.

6.6 Publication: The public hearing results on code change proposals that have not been public commented and the code change proposals with public commented public hearing results and successful assembly actions shall constitute the Final Action Agenda. The Final Action Agenda shall be posted on the ICC website at least 30 days prior to Final Action consideration.

7.0 Final Action Consideration

7.1 Intent: The purpose of Final Action Consideration is to make a final determination of all code change proposals which have been considered in a code development cycle by a vote cast by eligible voters (see Section 7.4).

- 7.2 Agenda:** The final action consent agenda shall be comprised of proposals which have neither an assembly action nor public comment. The agenda for public testimony and individual consideration shall be comprised of proposals which have a successful assembly action or public comment (see Sections 5.7 and 6.0).
- 7.3 Procedure:** *The Robert's Rules of Order* shall be the formal procedure for the conduct of the Final Action Consideration except as these Rules of Procedure may otherwise dictate.
- 7.3.1 Open Meetings:** Public hearings for Final Action Consideration are open meetings. Any interested person may attend and participate in the Floor Discussion.
- 7.3.2 Agenda Order:** The Secretariat shall publish an agenda for Final Action Consideration, placing individual code change proposals and public comments in a logical order to facilitate the hearing. The proponents or opponents of any proposal or public comment may move to revise the agenda order as the first order of business at the public hearing, or at any time during the hearing except while another proposal is being discussed. Preference shall be given to grouping like subjects together and for moving items back to a later position on the agenda as opposed to moving items forward to an earlier position. A motion to revise the agenda order is subject to a 2/3 vote of those present and voting.
- 7.3.3 Presentation of Material at the Public Hearing:** Information to be provided at the hearing shall be limited to verbal presentations. Audio-visual presentations are not permitted. Substantiating material submitted in accordance with Section 6.4.4 and other material submitted in response to a code change proposal or public comment shall be located in a designated area in the hearing room.
- 7.3.4 Final Action Consent Agenda:** The final action consent agenda (see Section 7.2) shall be placed before the assembly with a single motion for final action in accordance with the results of the public hearing. When the motion has been seconded, the vote shall be taken with no testimony being allowed. A simple majority (50% plus one) based on the number of votes cast by eligible voters shall decide the motion.
- 7.3.5 Individual Consideration Agenda:** Upon completion of the final action consent vote, all proposed changes not on the final action consent agenda shall be placed before the assembly for individual consideration of each item (see Section 7.2).
- 7.3.6 Reconsideration:** There shall be no reconsideration of a proposed code change after it has been voted on in accordance with Section 7.3.8.
- 7.3.7 Time Limits:** Time limits shall be established as part of the agenda for testimony on all proposed changes at the beginning of each hearing session. Each person requesting to testify on a change shall be given equal time. In the interest of time and fairness to all hearing participants, the Moderator shall have limited authority to modify time limitations on debate. The Moderator shall have the authority to adjust time limits as necessary in order to complete the hearing agenda.
- 7.3.7.1 Time Keeping:** Keeping of time for testimony by an individual shall be by an automatic timing device. Remaining time shall be evident to the person testifying. Interruptions during testimony shall not be tolerated. The Moderator shall maintain appropriate decorum during all testimony.
- 7.3.8 Discussion and Voting:** Discussion and voting on proposals being individually considered shall be in accordance with the following procedures:
- 7.3.8.1 Allowable Final Action Motions:** The only allowable motions for final action are Approval as Submitted, Approval as Modified by one or more modifications published in the Final Action Agenda, and Disapproval.

7.3.8.2 Initial Motion: The Code Development Committee action shall be the initial motion considered, unless there was a successful assembly action in accordance with Section 5.7.3. If there was a successful assembly action, it shall be the initial motion considered. If the assembly action motion fails, the code development committee action shall become the next motion considered.

7.3.8.3 Motions for Modifications: Whenever a motion under consideration is for Approval as Submitted or Approval as Modified, a subsequent motion and second for a modification published in the Final Action Agenda may be made (see Section 6.4.3). Each subsequent motion for modification, if any, shall be individually discussed and voted before returning to the main motion. A two-thirds majority based on the number of votes cast by eligible voters shall be required for a successful motion on all modifications.

7.3.8.4 Voting: After dispensing with all motions for modifications, if any, and upon completion of discussion on the main motion, the Moderator shall then ask for the vote on the main motion. If the motion fails to receive the majority required in Section 7.5, the Moderator shall ask for a new motion.

7.3.8.5 Subsequent Motion: If the initial motion is unsuccessful, a motion for one of the other allowable final actions shall be made (see Section 7.3.8.1) and dispensed with until a successful final action is achieved. If a successful final action is not achieved, Section 7.5.1 shall apply.

7.3.9 Proponent testimony: The Proponent of a public comment is permitted to waive an initial statement. The Proponent of the public comment shall be permitted to have the amount of time that would have been allocated during the initial testimony period plus the amount of time that would be allocated for rebuttal. Where a public comment is submitted by multiple proponents, this provision shall permit only one proponent of the joint submittal to waive an initial statement.

7.3.10 Points of Order: Any person participating in the public hearing may challenge a procedural ruling of the Moderator. A majority vote of the eligible voters as determined in Section 5.7.4 shall determine the decision.

7.4 Eligible voters: ICC Governmental Member Representatives and Honorary Members in attendance at the Final Action Hearing shall have one vote per eligible attendee on all International Codes. Applications, whether new or updated, for governmental member voting representative status must be received by the Code Council ten days prior to the commencement of the first day of the Final Action Hearing in order for any designated representative to be eligible to vote.

7.5 Majorities for Final Action: The required voting majority based on the number of votes cast of eligible voters shall be in accordance with the following table:

Public Hearing Action (see note)	Desired Final Action		
	AS	AM	D
AS	Simple Majority	2/3 Majority	Simple Majority
AM	2/3 Majority	Simple Majority to sustain the Public Hearing Action or; 2/3 Majority on additional modifications and 2/3 on overall AM	Simple Majority
D	2/3 Majority	2/3 Majority	Simple Majority

Note: The Public Hearing Action includes the committee action and successful assembly action.

7.5.1 Failure to Achieve Majority Vote: In the event that a code change proposal does not receive any of the required majorities for final action in Section 7.5, final action on the code change proposal in question shall be disapproval.

7.6 Publication: The Final action on all proposed code changes shall be published as soon as practicable after the determination of final action. The exact wording of any resulting text modifications shall be made available to any interested party.

8.0 Appeals

8.1 Right to Appeal: Any person may appeal an action or inaction in accordance with CP-1.

TABLE OF CONTENTS

COMMITTEE ACTION ON CODE CHANGE PROPOSALS TO BE CONSIDERED FOR FINAL ACTION ON OCTOBER 31ST – NOVEMBER 6TH, 2011 IN PHOENIX, AZ

CODE	PAGE
International Swimming Pool and Spa Code	1
International Green Construction Code	
Energy/Water	17
General	95

2011 International Swimming Pool (ISPSC) Committee

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Building Official/Fire Marshal
City of Mount Dora
Mount Dora, FL

Michael Beatty

Manager, Engineering Services
Walt Disney Parks and Resorts
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Combination Inspector II
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Holland Commercial Pools
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President
Con-Serv Associates Inc.
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Dan Johnson, CBP-Vice Chair

Rep: APSP
President
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Shajee Siddiqui

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Director, Product Safety & Compliance
Zodiac Pool System Inc.
Moorpark,

Staff Secretariat:**Fred Grable, PE**

Staff Engineer - Plumbing
International Code Council
Country Club Hills, IL

<p>INTERNATIONAL SWIMMING POOL AND SPA CODE COMMITTEE HEARING RESULTS</p>
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SP1-11

Committee Action: **Disapproved**

Committee Reason: The proponent left out information about site plans and electronic media that are in the other I-codes. The committee suggests that a public comment be submitted to include these items.

Assembly Action: **None**

SP2-11

Committee Action: **Approved as Submitted**

Committee Reason: The term "systems" was too ambiguous in the context of the code section. The replacement language is clear about the validity of the permit.

Assembly Action: **None**

SP3-11

Committee Action: **Approved as Submitted**

Committee Reason: Because judicial remedies can vary from state to state, a writ of certiorari may not be appropriate in some jurisdictions.

Assembly Action: **None**

SP4-11

Committee Action: **Approved as Submitted**

Committee Reason: The word "spa" needs to be italicized so that the definition of spa is referred to for indicating that exercise spas can be public, residential or portable.

Assembly Action: **None**

SP5-11

Committee Action: **Approved as Submitted**

Committee Reason: A submerged vacuum fitting could be interpreted as any submerged suction outlet in a pool or spa. The definition is necessary to indicate that only fittings intended for connection of cleaning equipment are the type of fitting being defined.

Assembly Action: **None**

SP6-11

Committee Action: **Disapproved**

Committee Reason: Errata for PV 1.0 of the ISPSC corrected the definition of portable residential spa such that this proposal's changes are unnecessary.

Assembly Action: **None**

SP7-11

Committee Action:

Approved as Submitted

Committee Reason: Amusement park attractions are not in the scope of this code.

Assembly Action:

None

SP8-11

Committee Action:

Disapproved

Committee Reason: The current class designations are adequate and within the context of the remainder of the code.

Assembly Action:

None

SP9-11

Committee Action:

Disapproved

Committee Reason: The proposal conflicts with slip-resistant definition in APSP 1, 5 and 6.

Assembly Action:

None

SP10-11

Committee Action:

Disapproved

Committee Reason: The proposal conflicts with slip-resistant definition in APSP 1, 5 and 6.

Assembly Action:

None

SP11-11

Committee Action:

Disapproved

Committee Reason: Requiring jets, fittings and outlets to be compliant with NSF 50 should not be a big change for the industries that produce these products.

Assembly Action:

None

SP12-11

Committee Action:

Disapproved

Committee Reason: Portable spas can be hard-wired. Therefore, it does not make sense that the exception would exempt cord- and plug-connected spas from the requirements of the section.

Assembly Action:

None

SP13-11

Committee Action:

Approved as Submitted

Committee Reason: Some heaters and pumps have integral timer switches while others must be supplied with a separate time switch. Pumps for solar heating systems should not operate at night, so a time switch is required.

Assembly Action:

None

SP14-11

Committee Action:

Approved as Submitted

Committee Reason: The International Residential Code must be referenced to cover the flood hazard area requirements for residential pools and spas.

Assembly Action:

None

SP15-11

Withdrawn by Proponent

SP16-11

Withdrawn by Proponent

SP17-11

Committee Action:

Approved as Submitted

Committee Reason: A powered safety cover on a swimming pool provides a total barrier unlike a fence where a gate can be left unlocked or the fence bypassed.

Assembly Action:

None

SP18-11

Committee Action:

Approved as Submitted

Committee Reason: The list of items is easier to read and is worded more clearly.

Assembly Action:

None

SP19-11

Withdrawn by Proponent

SP20-11

Committee Action:

Disapproved

Committee Reason: The proposal deleted Item 6 based upon the fact that the National Electrical Code covers "receptacles". The receptacles referenced in Item 6 are not electric receptacles.

Assembly Action:

None

SP21-11

Committee Action:

Approved as Submitted

Committee Reason: The term diagonal needed to be defined so that slats cannot be installed at angles less than 45 degrees from horizontal. Slat at angles less than 45 degrees from horizontal can be too easily climbed.

Assembly Action:

None

SP22-11

Committee Action:

Disapproved

Committee Reason: Proposal does not address the requirement for latches to be at 54 inches above grade. Latches for double gates are commonly put on the outside of the gate and barrier, not on the vessel side.

Assembly Action:

None

SP23-11

Committee Action:

Disapproved

Committee Reason: Latches need to be at 54 inches and latches can be on the side of the barrier that is away from the vessel.

Assembly Action:

None

SP24-11

Committee Action:

Approved as Submitted

Committee Reason: The specific reference to water hazard entrance alarms must be included because UL 2017 covers many different types of alarms.

Assembly Action:

None

SP25-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

305.4 Structure wall as a barrier. Where a wall of a dwelling or structure serves as part of the barrier, doors and operable windows with a sill height of less than 48 inches, that provide direct access to the aquatic vessel through the wall, shall be equipped with one or more of the following:

1. An alarm that produces an audible warning when the door or its screen or window, is opened. The alarm shall be listed and labeled in accordance with UL 2017. In dwellings or structures not required to be Accessible units, Type A units or Type B units, the deactivation switch shall be located 54 inches (1372 mm) or more above the threshold of the door. In dwellings or structures required to be Accessible units, Type A units or Type B units, the deactivation switch shall be located not greater than 54 inches (1372 mm) and not less than 48 inches (1219 mm) above the threshold of the door.
2. A safety cover that is listed and labeled in accordance with ASTM F1346.
- ~~3. An underwater alarm that is listed and labeled in accordance with ASTM F2208.~~
- ~~4. A laser or infrared alarm that is listed and labeled in accordance with ASTM F2208.~~
- ~~3. 5. An approved means of protection, such as self-closing doors with self-latching devices, provided that the degree of protection afforded is not less than the protection afforded by Items 1 and 2, ~~3 or~~ 4.~~

Committee Reason: Underwater, laser and infrared alarms do not provide for the same level of protection as does the first and last options. The proposal increases safety by requiring more than one level of protection to be in place.

Assembly Action:

None

SP26-11

Committee Action:

Disapproved

Committee Reason: The proposal doesn't address pet doors some of which can be large enough for a child to pass through.

Assembly Action:

None

SP27-11

Committee Action:

Approved as Submitted

Committee Reason: The proposal provides clarity to determine where topography can service as a barrier to an aquatic vessel.

Assembly Action:

None

SP28-11

Committee Action:

Approved as Submitted

Committee Reason: The term "swimming pool" is too narrow and should be "aquatic vessel" to cover spas and swimming pools.

Assembly Action:

None

SP29-11

Committee Action:

Approved as Submitted

Committee Reason: Wood/plastic decking materials should be addressed as this is becoming a common material. The increase in maximum slope of wood and wood/plastic decking allows for some installation tolerance with respect to the minimum slope required for drainage.

Assembly Action:

None

SP30-11

Committee Action:

Approved as Submitted

Committee Reason: Gaps between wood/plastic decking planks are necessary for expansion and drainage.

Assembly Action:

None

SP31-11

Committee Action:

Disapproved

Committee Reason: Proposal SP32-11 better covers the subject.

Assembly Action:

None

SP32-11

Committee Action:

Approved as Submitted

Committee Reason: Residential pools do not need hose bibbs.

Assembly Action:

None

SP33-11

Committee Action:

Disapproved

Committee Reason: The topics in Sections 307.3 through 307.9 for non-permanently installed spas are covered by the UL standards and APSP 6 for those types of spas.

Assembly Action:

None

SP34-11

Committee Action:

Approved as Submitted

Committee Reason: Accessibility is only required for public aquatic vessels.

Assembly Action:

None

SP35-11

Committee Action: Disapproved

Committee Reason: Accessibility is not required for aquatic vessels associated with buildings covered by the International Residential Code.

Assembly Action: None

SP36-11

Committee Action: Disapproved

Committee Reason: Non-permanently installed spas are already covered by APSP-6.

Assembly Action: None

SP37-11

Committee Action: Disapproved

Committee Reason: Non-permanently installed spas are already covered by APSP-6.

Assembly Action: None

SP38-11

Committee Action: Approved as Submitted

Committee Reason: Many components for aquatic vessels are covered by standards not specifically addressed by this code.

Assembly Action: None

SP39-11

Committee Action: Disapproved

Committee Reason: The action on proposal SP38-11 sufficiently covers the changes in this proposal.

Assembly Action: None

SP40-11

Committee Action: Disapproved

Committee Reason: Non-permanently installed spas are already covered by APSP-6.

Assembly Action: None

SP41-11

Committee Action: Approved as Submitted

Committee Reason: The proposal brings the code up to what APSP-7 requires.

Assembly Action: None

SP42-11

Committee Action:

Approved as Submitted

Committee Reason: The IAPMO standards are not consensus standards and as such, should not be included in the code. The ASTM standards should be included in the code to cover materials that are commonly used in circulation systems.

Assembly Action:

None

SP43-11

Committee Action:

Approved as Submitted

Committee Reason: The ASTM standards should be included in the code to cover materials that are commonly used in circulation systems.

Assembly Action:

None

SP44-11

Committee Action:

Approved as Submitted

Committee Reason: The CSA standards should be included in the code to cover fitting materials that are commonly used in circulation systems.

Assembly Action:

None

SP45-11

Committee Action:

Approved as Submitted

Committee Reason: The proposal adds necessary clarifications for what parts are excluded from complying with the fitting standards.

Assembly Action:

None

SP46-11

Committee Action:

Disapproved

Committee Reason: The proposed wording change does not make the section any clearer.

Assembly Action:

None

SP47-11

Committee Action:

Approved as Submitted

Committee Reason: This proposal adds a needed clarification that the strainer can be integral to the pump and not necessarily a separate strainer.

Assembly Action:

None

SP48-11

Committee Action:

Approved as Submitted

Committee Reason: The proposal updates the standard to the correct UL number.

Assembly Action:

None

SP49-11

Committee Action:

Approved as Submitted

Committee Reason: The term "main drain" is not used in the code. "Suction outlet fitting assemblies" is the correct term that is used throughout the code.

Assembly Action:

None

SP50-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

314.4 Return inlets. There shall be one return inlet for each 300 square feet (27.87 m²) of pool surface area, or fraction thereof.

Exception: Onground storable pools

314.4.1 Design. Return and suction fittings for the circulation system shall be designed so as not to constitute a hazard to the bather.

Committee Reason: The modification was made because on ground storable pools don't necessarily require return inlets. The removal of Section 314.4.4 is necessary because "area of influence" is an assumption that is not accurate.

Assembly Action:

None

SP51-11

Committee Action:

Approved as Submitted

Committee Reason: The FSEC standards do not comply with ICC Council Policy #28.

Assembly Action:

None

SP52-11

Committee Action:

Approved as Submitted

Committee Reason: The referenced standard is needed because some water heating equipment complies to the CSA standard.

Assembly Action:

None

SP53-11

Committee Action:

Disapproved

Committee Reason: The cost and complications of a chemical feed system for residential applications is too costly and is unnecessary.

Assembly Action:

None

SP54-11

Committee Action:

Approved as Submitted

Committee Reason: Residential aquatic vessels do not require the lighting that public pools require. It would be difficult to enforce use of such lighting in a residential application.

Assembly Action:

None

SP55-11

Committee Action:

Approved as Submitted

Committee Reason: Where lighting is installed overhead pools or underwater in pools, the lighting devices should be listed and labeled to provide for maximum safety.

Assembly Action:

None

SP56-11

Committee Action:

Approved as Submitted

Committee Reason: The proposal provides necessary clarification of the lighting levels required for a safer environment.

Assembly Action:

None

SP57-11

Committee Action:

Approved as Submitted

Committee Reason: The proposal ensures that there will not be any dark spots in the pool where overhead lighting is installed instead of underwater lighting.

Assembly Action:

None

SP58-11

Committee Action:

Approved as Submitted

Committee Reason: The illumination level is consistent with the emergency egress lighting requirements of the International Building Code.

Assembly Action:

None

SP59-11

Committee Action:

Disapproved

Committee Reason: The 3 and 6 inch dimensions have been in the APSP-5 standard since the beginning and have not been proven to be a problem.

Assembly Action:

None

SP60-11

Committee Action:

Disapproved

Committee Reason: The term "sanitation" applies to plumbing fixtures and not to the quality of the water in the pool.

Assembly Action:

None

SP61-11

Committee Action:

Disapproved

Committee Reason: The language needs to stay in the code because the subject is not addressed elsewhere in Chapter 4.

Assembly Action:

None

SP62-11

Committee Action:

Approved as Submitted

Committee Reason: The top and bottom risers do need to be limited to the dimension indicated for safe use of ladders.

Assembly Action:

None

SP63-11

Committee Action:

Disapproved

Committee Reason: Bather load is necessary information for sizing of pumps and for determining the number of plumbing fixtures.

Assembly Action:

None

SP64-11

Committee Action:

Disapproved

Committee Reason: Issues like this are already covered by Section 102.4.

Assembly Action:

None

SP65-11

Committee Action:

Approved as Submitted

Committee Reason: The reference to Section 310 is appropriate because that section requires compliance with APSP 7.

Assembly Action:

None

SP66-11

Committee Action:

Disapproved

Committee Reason: Based on action on SP65-11.

Assembly Action:

None

SP67-11

Committee Action:

Approved as Submitted

Committee Reason: The proposal brings the code in alignment with other standards and codes.

Assembly Action:

None

SP68-11

Committee Action:

Approved as Submitted

Committee Reason: "The authority that governs such pools" has no knowledge or research to determine what the appropriate height above any particular diving board should be.

Assembly Action:

None

SP69-11

Withdrawn by Proponent

SP70-11

Committee Action:

Disapproved

Committee Reason: Turnover rate is necessary information for design purposes.

Assembly Action:

None

SP71-11

Committee Action:

Approved as Submitted

Committee Reason: It is common sense that the filter and separation tank should be reassembled first. Also, systems could have multiple air release valves.

Assembly Action:

None

SP72-11

Committee Action:

Approved as Submitted

Committee Reason: The proposed language improves the intent of the section.

Assembly Action:

None

SP73-11

Committee Action:

Disapproved

Committee Reason: A minimum set of life safety equipment is required upon completion of construction so that the pool can be safely put into service.

Assembly Action:

None

SP74-11

Committee Action:

Disapproved

Committee Reason: Non-conducting poles are not necessary.

Assembly Action:

None

SP75-11

Committee Action:

Approved as Submitted

Committee Reason: The proposal deletes redundant language.

Assembly Action:

None

SP76-11

Committee Action:

Disapproved

Committee Reason: Signage is a required component for safety.

Assembly Action:

None

SP77-11

Committee Action:

Disapproved

Committee Reason: Signage is a required component for safety.

Assembly Action:

None

SP78-11

Committee Action:

Approved as Submitted

Committee Reason: Spa pumps and motors should be listed and labeled for better safety.

Assembly Action:

None

SP79-11

Committee Action:

Approved as Submitted

Committee Reason: APSP 16 will eventually be replacing ASTM A112.19.8, so including this standard in the code is appropriate.

Assembly Action:

None

SP80-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

506.2.1 Water temperature regulating controls. Water temperature regulating controls shall comply with UL 873 or UL 372. A means shall be provided to ~~measure~~ indicate the water temperature in the spa.

Exception: Water temperature regulating controls that are integral to the heating appliance and listed in accordance with the applicable end use appliance standard.

506.2.2 Water temperature limiting controls. Water temperature limiting controls shall comply with UL 873 or UL 372. Water temperature at the heater return outlet shall not exceed 140°F (60°C) .

Committee Reason: The word "indicate" is a more appropriate than "measure". It is very difficult to control large capacity heaters to a maximum outlet temperature of 122 degrees F.

Assembly Action:

None

SP81-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

508.1 Automatic controllers. Where an automatic controller is installed on a spa or hot tubs for public use, the controller shall be installed with an automatic pH and an ~~Oxygen~~ Oxidation Reduction Potential controller listed and labeled in compliance with NSF 50.

Committee Reason: The correct terminology is Oxidation. The choice of whether to install an automatic controller should be left up to the designer of the spa or hot tub.

Assembly Action:

None

SP82-11

Committee Action:

Disapproved

Committee Reason: Action consistent with action on SP81-11.

Assembly Action:

None

SP83-11

Committee Action:

Disapproved

Committee Reason: Signage is necessary for safety. Action is consistent with actions on SP76-11 and SP77-11.

Assembly Action:

None

SP84-11

Committee Action:

Disapproved

Committee Reason: Signage is necessary for safety. Action is consistent with actions on SP76-11 and SP77-11.

Assembly Action:

None

SP85-11

Committee Action:

Disapproved

Committee Reason: This is a maintenance item, not a code requirement.

Assembly Action:

None

SP86-11

Committee Action:

Disapproved

Committee Reason: Dry shotcrete installers commonly use ACI 304.2 for dry shotcrete applications. Although the standard does not meet ICC Council Policy #28, it does provide valuable information.

Assembly Action:

None

SP87-11

Committee Action:

Disapproved

Committee Reason: Turnover time is needed for design purposes.

Assembly Action:

None

SP88-11

Committee Action:

Disapproved

Committee Reason: Occupant load is needed for design purposes.

Assembly Action:

None

SP89-11

Committee Action:

Disapproved

Committee Reason: For water parks, the 1 per 50 ratio is more appropriate. Consistency with the International Building Code is not necessary as this is a standalone code.

Assembly Action:

None

SP90-11

Committee Action:

Approved as Submitted

Committee Reason: The proposed requirements for toilet and bath facilities are much more appropriate for water park applications than what the International Plumbing Code requires for swimming pools.

Assembly Action:

None

SP91-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

610.4 Beach entry, zero-depth entry, and sloping entries. The shallow end for beach entries and sloping entries shall be in accordance with Sections ~~611.5.1~~ 610.4.1 through ~~611.5.6.6~~ 610.4.4 ~~of and~~ the 2010 ADA Standards for Accessible Design or the regulations of the local jurisdiction.

Add new standard to Chapter 11 as follows:

U.S. Department of Justice
950 Pennsylvania Avenue, N.W
Civil Rights Division, Disability Rights Section-NYA
Washington, DC 20530

DOJ

2010 ADA Standards for Accessible Design

Committee Reason: The modification corrects the section references and clarifies that the 2010 ADA standard must be adhered to as well. The latest ADA standards should be referenced by this code.

Assembly Action:

None

SP92-11

Committee Action:

Disapproved

Committee Reason: Signage is necessary for safety.

Assembly Action:

None

SP93-11

Committee Action:

Approved as Submitted

Committee Reason: The added language is necessary to help readers through a transition period of using the new terminology.

Assembly Action:

None

SP94-11

Committee Action:

Approved as Submitted

Committee Reason: The section doesn't discuss size or location. It's just too ambiguous as written.

Assembly Action:

None

SP95-11

Committee Action:

Approved as Submitted

Committee Reason: The forward tip of the board is the correct reference point to be located over point A.

Assembly Action:

None

SP96-11

Committee Action:

Disapproved

Committee Reason: The current language of the section sufficiently describes what is intended.

Assembly Action:

None

SP97-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

810.2 Pressure test. Circulation system piping, other than that integrally included in the manufacture of the pool, shall be subject to an induced static hydraulic pressure test (sealed system) at ~~25~~ 15 psi (207 kPa) for not less than 45 30 minutes.

Exception: Onground storable pools and portable residential spas.

Committee Reason: The field pressure test is not necessary for onground storable pools or portable spas. The pressure and time numbers were modified to be more consistent with the standards. Because a pressure test is already addressed in Chapter 3, it is not necessary to be addressed in Chapter 8

Assembly Action:

None

SP98-11

Committee Action:

Approved as Submitted

Committee Reason: The National Electrical Code requires listing and labeling so this code should require the same.

Assembly Action:

None

SP99-11

Committee Action:

Approved as Submitted

Committee Reason: Simply updates the year of these standards to the latest edition.

Assembly Action:

None

SP100-11

Committee Action:

Approved as Submitted

Committee Reason: The removal of unreferenced standards is appropriate. Updating standards to latest edition is appropriate. Adding a standard that is currently referenced in the code is appropriate.

Assembly Action:

None

IgCC – Energy/Water Committee
(Chapters 6 & 7)

Stephen V. Abernathy, PE, CEM
Market Development & Support
Engineer
Piedmont Natural Gas
Greenville, SC

Matt Belcher, CGP
Rep: NAHB
President
Belcher Homes -Verdatek Solutions
LLC
Wildwood, MO

E.W. Bob Boulware, P.E.
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Design-Aire Engineering
Indianapolis, IN

Dave Cantrell - Chair
Chief Plumbing Inspector
Public Health-Seattle & King County
Seattle, WA

David Carlson, PE, CIH
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Terence L. Cobb, CBO
Director, Department-Codes & Bldg
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Austin Energy/City of Austin
Austin, TX

Thomas Pape
Principal
Best Management Partners
Waterloo, IL

Mr. Roger Rotundo
General Inspections Supervisor
City of Phoenix
Phoenix, AZ

Staff Liaisons:
Elaine Deak, PE
Senior Staff Engineer
International Code Council
Chicago District Office
Country Club Hills, IL

Fred Grable, PE
Staff Engineer - Plumbing
International Code Council
Country Club Hills, IL

INTERNATIONAL GREEN CONSTRUCTION CODE COMMITTEE – ENERGY/WATER HEARING RESULTS

GEW1-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

601.1 Scope. The provisions of this chapter regulate the design, construction, commissioning, and operation of buildings and their associated building sites for the effective use of energy..
(Remainder of code change remains unchanged.)

Committee Reason: This proposed code change was approved as modified for clarity and appropriate restructuring of Chapter 6.

Assembly Action:

None

GEW2-11

Committee Action:

Disapproved

Committee Reason: This proposed code change was disapproved because the committee was not supportive of its content in considering a shift from a prescriptive foundation for energy codes to a performance foundation to look at the building as a whole. Conventional prescriptive and modeled-performance approaches based on equivalency to prescriptive provisions do not provide owners and design teams with adequate flexibility to apply design concepts, measures, strategies and technical approaches they believe would achieve the highest energy savings or optimum cost effective energy efficiency for their projects.

Assembly Action:

None

GEW3-11

Committee Action:

Disapproved

Committee Reason: This proposed code change was disapproved because it contained poor code language. The resulting code text would be oversimplified, causing the loss of important prescriptive provisions, or would discourage renovations such as a roof replacement.

Assembly Action:

None

GEW4-11

Committee Action:

Disapproved

Committee Reason: This proposed code change was disapproved because it had redundant language and was not enforceable.

Assembly Action:

None

GEW5-11

Committee Action:

Disapproved

Committee Reason: This proposed code change was disapproved because it references “the useful life of each building”. The committee felt that this statement is overreaching the bounds of code enforcement.

Assembly Action:

None

GEW6-11

Withdrawn by Proponent

GEW7-11

Committee Action:

Disapproved

Committee Reason: This proposed code change is problematic as it takes prescriptive envelope requirements into performance requirements for trade-offs; making it confusing.

Assembly Action:

None

GEW8-11

Committee Action:

Disapproved

Committee Reason: This proposed code change needs further development. The proponent was requested to work on it as the language is unenforceable and it is written as commentary. The concept of adding another compliance path for certain buildings could cause more confusion.

Assembly Action:

None

GEW9-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

602.1 Performance-based compliance. Compliance for buildings and their sites to be designed on a performance basis shall be determined by predictive modeling. All such modeling shall use source energy kBtu/sf-y unit measure based on compliance with Section 602.1.1 and CO_{2e} emissions in Section 602.3. Where a building has mixed uses ~~as determined by Section 508 of the IBC~~, all such uses shall be included in the performance-based compliance. ~~the energy budget shall be calculated using the area weighted average of the energy budgets of all such occupancies.~~

(Portions of code change not shown remain unchanged.)

Committee Reason: This proposed code change provides clarity. The use of this proposed code change organizes the energy portion of the code into a logical and useable format. The modification removes an unnecessary reference in the IBC.

Assembly Action:

None

GEW10-11

Committee Action:

Disapproved

Committee Reason: This proposed code change was disapproved by the committee because it fails in its intended purpose to make the code easier to understand. It does not improve the accounting of energy usage. The code language is for industrial and manufacturing processes and is not building site related.

Assembly Action:

None

GEW11-11

Committee Action:

Disapproved

Committee Reason: This proposed code change was disapproved based on previous actions with proposed code change GEW9-11.

Assembly Action:

None

GEW12-11

Committee Action: Disapproved

Committee Reason: This proposed code change was disapproved based on previous actions with GEW9-11. In addition, the committee disagreed that elimination of occupancy groups F, H and U under Building Occupancy Types in Table 602.1 was appropriate. These occupancies should be within the scope of this Chapter.

Assembly Action: None

GEW13-11

Committee Action: Disapproved

Committee Reason: This proposed code change was disapproved based on previous actions with proposed code change GEW 1-11 and GEW9-11 regarding zEPI calculations.

Assembly Action: None

GEW14-11

Committee Action: Disapproved

Committee Reason: This proposed code change was disapproved because the committee believes that the original limit of 25,000 square feet for application of the prescriptive path, as set by the Sustainable Building Technical Committee (SBTC) is a reasonable number.

Assembly Action: None

GEW15-11

Committee Action: Disapproved

Committee Reason: This proposed code change was disapproved because the proponent requested disapproval.

Assembly Action: None

GEW16-11

Withdrawn by Proponent

GEW17-11

Withdrawn by Proponent

GEW18-11

Withdrawn by Proponent

GEW19-11

Committee Action: Disapproved

Committee Reason: This proposed code change was disapproved because it was already stated in the code that new buildings, existing building additions, and alternations to existing buildings over 25,000 sq.ft. and their associated building sites shall comply with the code, and previous actions on proposed code change GEW1-11.

Assembly Action: None

GEW20-11

Committee Action: Disapproved

Committee Reason: This proposed code change was disapproved based on previous action with proposed code change GEW9-11.

Assembly Action: None

GEW21-11

Committee Action: Disapproved

Committee Reason: This proposed code change was disapproved based on previous action with proposed code change GEW9-11. Also the proponent requested it be disapproved.

Assembly Action: None

GEW22-11

Committee Action: Disapproved

Committee Reason: This proposed code change was disapproved based on previous action with proposed code change GEW9-11.

Assembly Action: None

GEW23-11

Committee Action: Disapproved

Committee Reason: This proposed code change was disapproved based on previous action with proposed code change GEW9-11.

Assembly Action: None

GEW24-11

Committee Action: Disapproved

Committee Reason: This proposed code change was disapproved based on previous action with proposed code change GEW9-11.

Assembly Action: None

GEW25-11

Committee Action: Approved as Submitted

Committee Reason: The committee approved this proposed code change because CO₂e emission reductions are a key intent of the IgCC. By shifting the compliance requirement from a jurisdictional requirement to a full requirement, the IgCC will ensure that any design that otherwise meets the objectives of the IgCC will also always meet its GHG emission reduction objective.

Assembly Action: None

GEW26-11

Committee Action: Disapproved

Committee Reason: This proposed code change was disapproved because it was unclear how many paths and options for the “outcome” and “performance” approaches to compliance there were.

Assembly Action: None

GEW27-11

Withdrawn by Proponent

GEW28-11

Committee Action: Approved as Submitted

Committee Reason: This proposed code change was approved as it ensures that an alteration does not decrease the overall energy efficiency of a building.

Assembly Action: None

GEW29-11

Committee Action: Disapproved

Committee Reason: The committee disapproved this proposed code change based on previous action with proposed code change GEW28-11.

Assembly Action: None

GEW30-11

Committee Action: Disapproved

Committee Reason: The committee disapproved this proposed code change based on previous action with proposed code change GEW28-11.

Assembly Action: None

GEW31-11

Committee Action: Disapproved

Committee Reason: This proposed code change was disapproved based on previous action with proposed code change GEW9-11 as proposed code change GEW9-11 eliminated the approach to performance path.

Assembly Action: None

GEW32-11

Withdrawn by Proponent

GEW33-11

Withdrawn by Proponent

GEW34-11

Committee Action:**Disapproved**

Committee Reason: This proposed code change was disapproved based on previous actions with proposed code change GEW9-11 to eliminate this section of the code.

Assembly Action:**None**

GEW35-11**Withdrawn by Proponent**

GEW36-11**Committee Action:****Disapproved**

Committee Reason: This proposed code change was disapproved because it lacked diversity of environmental issues on the local level and the language is unenforceable.

Assembly Action:**None**

GEW37-11**Committee Action:****Disapproved**

Committee Reason: This proposed code change was disapproved as it was incomplete and unenforceable. The committee advised the proponents of proposed code changes GEW36-11 and GEW37-11 to work together and resubmit a public comment for the next hearing. Also the proponent requested this proposed code change be disapproved.

Assembly Action:**None**

GEW38-11**Withdrawn by Proponent**

GEW39-11**Committee Action:****Disapproved**

Committee Reason: The committee disapproved this proposed code change because while they agreed that there were problems with the formula for zEPI, they thought that these issues were better addressed in proposed code change GEW47-11.

Assembly Action:**None**

GEW40-11**Committee Action:****Disapproved**

Committee Reason: The committee disapproved this proposed code change because of consistency with previous actions on proposed code change GEW48-11.

Assembly Action:**None**

GEW41-11**Committee Action:****Disapproved**

Committee Reason: The committee disapproved this proposed code change because there is no clarification for Section 603.1.1 of the code. Also, there should consistency between the IECC and the code.

Assembly Action:**None**

GEW42-11

Committee Action:	Disapproved
Committee Reason: This proposed code change was disapproved because of previous actions with proposed code change GEW 9-11.	
Assembly Action:	None

GEW43-11

Committee Action:	Disapproved
Committee Reason: This proposed code change was disapproved because of previous action with proposed code change GEW9-11.	
Assembly Action:	None

GEW44-11

Committee Action:	Disapproved
Committee Reason: This proposed code change was disapproved because of previous actions with proposed code change GEW9-11.	
Assembly Action:	None

GEW45-11	Withdrawn by Proponent
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GEW46-11	Withdrawn by Proponent
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GEW47-11

Committee Action:	Disapproved
Committee Reason: This proposed code change was disapproved based on previous action with proposed code change GEW9-11, which replaced the zEPI equation.	
Assembly Action:	None

GEW48-11

Committee Action:	Disapproved
Committee Reason: This proposed code change was disapproved because calculating electricity generation energy conversion from the point of extraction is difficult given all forms of fuel that can be used by the power plant, based on conditions, supply and costs. Therefore, the committee decided to remain with the present use of source energy for this calculation.	
Assembly Action:	None

GEW49-11

Committee Action: **Approved as Submitted**

Committee Reason: This proposed code change was approved to correct the spelling of conversion that is in the title of Table 603.1.1(2) in the code.

Assembly Action: **None**

GEW50-11 **Withdrawn by Proponent**

GEW51-11 **Withdrawn by Proponent**

GEW52-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the 2010 COMNET Commercial Buildings Energy Modeling Guidelines and Procedures standard referenced was not compliant with the ICC Criteria for referenced standards in Section 3.6 of Council Policy CP#28.

Assembly Action: **None**

GEW53-11

Committee Action: **Disapproved**

Committee Reason: This proposed code change was disapproved because good outcome-based compliance requirements should not vary by the location's climate.

Assembly Action: **None**

GEW54-11

Committee Action: **Disapproved**

Committee Reason: This proposed code change was disapproved based on consistency with previous action on proposed code change GEW9-11.

Assembly Action: **None**

GEW55-11

Committee Action: **Disapproved**

Committee Reason: This proposed code change was disapproved to relocate technical requirements from the definitions of carbon dioxide equivalent (CO₂e) emissions and CO₂e and put them in the body of the code. The definitions will remain as they are in the code.

Assembly Action: **None**

GEW56-11

Committee Action: **Disapproved**

Committee Reason: This proposed code change was disapproved because it lacked background information for the national average number for grid delivered electricity 1,670 (0.758) lb/kWh (kg/kWh).

Assembly Action: **None**

GEW57-11 **Withdrawn by Proponent**

GEW58-11**Withdrawn by Proponent**

GEW59-11**Withdrawn by Proponent**

GEW60-11**Committee Action:****Approved as Submitted**

Committee Reason: The committee approved this code change because it was repetitive to the following section and appeared to single out electric power.

Assembly Action:**None**

GEW61-11**Committee Action:****Disapproved**

Committee Reason: This proposed code change was disapproved based on previous action on proposed code change GEW24-11.

Assembly Action:**None**

GEW62-11**Withdrawn by Proponent**

GEW63-11**Committee Action:****Disapproved**

Committee Reason: This proposed code change was disapproved because the language is confusing and inaccurate.

Assembly Action:**None**

GEW64-11**Withdrawn by Proponent**

GEW65-11**Withdrawn by Proponent**

GEW66-11**Withdrawn by Proponent**

GEW67-11**Committee Action:****Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous action with proposed code change GEW25-11.

Assembly Action:**None**

GEW68-11**Withdrawn by Proponent**

GEW69-11

Committee Action: **Disapproved**

Committee Reason: This proposed code change was disapproved because it did not give the reader direction what to do with the information. The proposed code change was inconsistent..

Assembly Action: **None**

GEW70-11

Committee Action: **Disapproved**

Committee Reason: This proposed code change was disapproved based on previous action with proposed code change GEW25-11 and consistency.

Assembly Action: **None**

GEW71-11

Committee Action: **Disapproved**

Committee Reason: This proposed code change was disapproved because proposed code change GEW1-11 removed section 603 entirely from the code.

Assembly Action: **None**

GEW72-11

Committee Action: **Disapproved**

Committee Reason: This proposed code change was disapproved because proposed code change GEW1-11 removed section 603 from the code, and previous action with proposed code change GEW9-11.

Assembly Action: **None**

GEW73-11

Committee Action: **Approved as Submitted**

Committee Reason: This proposed code change was approved because it specifies a single standard reference design for heating, cooling, and service water heating systems, using technologies with high full fuel cycle efficiency as the baseline in each building component category. This is a good path for the code to move to an energy budget format.

Assembly Action: **None**

GEW74-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the code appropriately requires the documents be prepared by a registered design professional.

Assembly Action: **None**

GEW75-11

Committee Action: **Disapproved**

Committee Reason: This proposed code change was disapproved because the standard EPA SF6 did not meet the ICC Criteria for referenced standards in Section 3.6 of Council Policy CP#28 rules. The standard was not written in mandatory language.

Assembly Action: **None**

GEW76-11

Committee Action: **Disapproved**

Committee Reason: This proposed code change was disapproved because it proposed using design guides, which cannot be easily enforced.

Assembly Action: **None**

GEW77-11

Committee Action: **Disapproved**

Committee Reason: This committee disapproved this proposed code change because the metering of greenhouse gas emissions produced by the building and at the building site is not needed.

Assembly Action: **None**

GEW78-11

Committee Action: **Disapproved**

Committee Reason: This proposed code change was disapproved because energy metering, monitoring and reporting is an important tool for measuring compliance and therefore should not be optional.

Assembly Action: **None**

GEW79-11

Committee Action: **Disapproved**

Committee Reason: This proposed code change was disapproved as it is proposed as an exception to a section of the code that does not apply.

Assembly Action: **None**

GEW80-11

Committee Action: **Disapproved**

Committee Reason: This proposed code change was disapproved because there was concern as to who has access to the metering data for the building.

Assembly Action: **None**

GEW81-11

Committee Action: **Approved as Submitted**

Committee Reason: This proposed code change was approved for consistency as it removed Section 604.2 because the information was in Section 604.1 regarding the purpose of the section on energy metering, monitoring and reporting.

Assembly Action: **None**

GEW82-11

Committee Action: **Approved as Submitted**

Committee Reason: This proposed code change was approved for clarification and removed references to Section 604.3.6 of the code.

Assembly Action: **None**

GEW83-11

Committee Action: **Disapproved**

Committee Reason: This proposed code change was disapproved as it would add redundant provisions in the code.

Assembly Action: **None**

GEW84-11

Committee Action: **Disapproved**

Committee Reason: This proposed code change was disapproved because it is problematic to provide design guidelines for ongoing metering, measuring and reporting of the energy usage of the building. There should be space made available for meters whether they are permanent or temporary.

Assembly Action: **None**

GEW85-11 **Withdrawn by Proponent**

GEW86-11

Committee Action: **Approved as Submitted**

Committee Reason: This proposed code change was approved because it includes in-ground spas' energy usage. This clarification for pools and in-ground spas avoids confusion, provides consistency within the I-codes, and ensures there is not misapplication of various code requirements. Portable spas are not included in this section as they are considered an appliance. This section of the code is for energy used for building operations.

Assembly Action: **None**

GEW87-11

Committee Action: **Approved as Modified**

Modify the proposal as follows:

604.3.5 Energy used for plug loads, building operations loads and other miscellaneous loads. This category shall include all energy use by devices, appliances and equipment connected to convenience receptacle outlets, vertical transportation systems, automatic doors, motorized shading systems, ornamental fountains and fireplaces, swimming pools, snow-melt systems, exterior lighting that is mounted on the building or used to illuminate building facades, and the use of any miscellaneous loads in the building not defined in Sections 604.3.1 to 604.3.4.

(Portions of code change not shown remain unchanged.)

Committee Reason: The committee approved this proposed code change as modified because the proposal modifies the code in a more logical manner and removes redundancy.. Separate metering for plug and process loads will be beneficial to help you manage what energy is used by each load. The modification defines building operations loads and miscellaneous loads.

Assembly Action: **None**

GEW88-11

Withdrawn by Proponent

GEW89-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because it complicated the code with metering pipe loads for energy savings and increased the cost of construction for no significant benefit.

Assembly Action: **None**

GEW90-11

Committee Action: **Disapproved**

Committee Reason: This proposed code change was disapproved because it was unclear regarding HVAC systems dedicated exclusively to the process load.

Assembly Action: **None**

GEW91-11

Committee Action: **Approved as Submitted**

Committee Reason: The committee approved this proposed code change because it was consistent with previous actions taken on proposed code change GEW82-11. Also deleting section 604.3.6 of the code removes redundancy as building operations is referenced in section 604.3.3 of the code.

Assembly Action: **None**

GEW92-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the exemption in section 604.3.7 was too broad and is not required in the code.

Assembly Action: **None**

GEW93-11

Committee Action: **Approved as Submitted**

Committee Reason: This proposed code change was approved by the committee because the committee agreed that sub meters can provide adequate reporting for the whole building.

Assembly Action: **None**

GEW94-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the reference to one of

the I-Codes is unnecessary, given that the IgCC is an overlay code to be used with all of the I-Codes.

Assembly Action: **None**

GEW95-11

Committee Action **Disapproved**

Committee Reason: This proposed code change was disapproved by the committee. Measurement of energy for purposes of addressing peak demand is important by the end user economically using electrical power. The committee understood the issue related to fossil fuels, but believed that peak demand needs to be addressed for electrical power.

Assembly Action: **None**

GEW96-11

Committee Action: **Disapproved**

Committee Reason: Metering solar thermal and waste heat is needed for accurate determination of their usage for the zEPI calculations.

Assembly Action: **None**

GEW97-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because there was confusion among proponents and opponents over the appropriate terminology and units. Therefore, the committee decided that the current code language is clear on its intent.

Assembly Action: **None**

GEW98-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because it felt that lowering the threshold for requiring metering is overreaching at this time.

Assembly Action: **None**

GEW99-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because it was consistent with action on proposed code change GEW98-11.

Assembly Action: **None**

GEW100-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change, consistent with action taken on proposed code changes GEW98-11 and GEW99-11.

Assembly Action: **None**

GEW101-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change in favor of proposed code change GEW103-11.

Assembly Action: **None**

GEW102-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the committee preferred making the automated demand response system a jurisdictional requirement as written in proposed code change GEW103-11.

Assembly Action: **None**

GEW103-11

Committee Action: **Approved as Submitted**

Committee Reason: The committee approved this proposed code change because more utilities can have an automated demand response infrastructure and related provisions from a compliance requirement to a jurisdictional requirement. It will also improve the adoptability and enforceability of the code.

Assembly Action: **None**

GEW104-11

Committee Action: **Approved as Modified**

Modify the proposal as follows:

Exceptions:

2. Buildings with a peak electric demand not greater than ~~0.90~~ 0.75 times that of the standard reference design.

(Portions of code change not shown remain unchanged.)

Committee Reason: The committee approved this proposed code change as modified because it makes the exception 2 not as harsh but meaningful by having buildings with a peak electric demand not greater than .75 times that of the standard reference design. This will make the Auto-DR exception to be consistent with ASHRAE standard 189.1 provisions, and limits the exception to peak electric demand.

Assembly Action: **None**

GEW105-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because more data is needed to support the viability of applying auto demand response to plug loads. Also it was unclear regarding load size

whether this was an option or a requirement for the code.

Assembly Action: **None**

GEW106-11 **Withdrawn by Proponent**

GEW107-11

Committee Action: **Disapproved**

Committee Reason: Auto demand response could be an issue for systems other than electricity, and they should be dealt with. The issue is practically dealt with in Exception #2.

Assembly Action: **None**

GEW108-11

Committee Action: **Approved as Modified**

Modify the proposal as follows:

605.2 Software clients. *Demand response automation software* clients shall be capable of communicating with a *demand response automation server* (DRAS)-via the internet or other communication relay.

Committee Reason: The committee approved this proposed code change as modified because it broadens available communications with a demand response automation server. The modification was editorial in nature.

Assembly Action: **None**

GEW109-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because signs can represent a larger portion of the energy load. ADR is needed for these.

Assembly Action: **None**

GEW110-11

Committee Action: **Approved as Modified**

Modify the proposal as follows:

605.4 Lighting

Exceptions:

5. Luminaires located within a daylight zone that are dimmable and connected To automatic daylight controls complying with Section 505.2.2.3 of the *International Energy Conservation Code*.

SECTION 202 DEFINITIONS

Revise definition as follows:

DAYLIGHT CONTROL. A device or system that provides automatic control of electric light levels based on the amount of daylight in a space. ~~An automatic control device or system responding to natural light.~~

(Portions of code change not shown remain unchanged.)

Committee Reason: This proposed code change was approved as modified because of previous actions on

proposed code change GEW191-11.

Note: Correct reference in 2012 IECC is C405.2.2.3.

Assembly Action: **None**

GEW111-11

Committee Action: **Approved as Modified**

Modify the proposal as follows:

605.4 Lighting. In group B office spaces, the Auto-DR system shall be capable of reducing the total connected power of lighting as determined in accordance with Section 505.5 of the *International Energy Conservation Code* by not less than 15 percent.

Add new definition as follows:

DEMAND RESPONSE (DR). The ability of a building system to reduce the energy consumption for a specified time period after receipt of demand response signal typically from the power company or demand response provider. Signals requesting demand response are activated at times of peak usage or when power reliability is at risk.

Committee Reason: This proposed code change was approved as modified because it removes ambiguous language from the code and clarifies the code by defining the baseline for calculation of the 15 percent reduction. The modification narrows the applicability to Group B and provides a needed definition of demand response.

Note: Correct reference in 2012 IECC is C405.

Assembly Action: **None**

GEW112-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change as it was unenforceable due to the fact that the utility cannot distinguish what type of equipment is plugged into a receptacle.

Assembly Action: **None**

GEW113-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change based on previous action with proposed code change GEW122-11.

Assembly Action: **None**

GEW114-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the new insulation and fenestration tables will only be an unnecessary source of confusion in the industry, given that the IECC contains tables. Also, the proposed tables do not contain the desired 10 percent increase in stringency.

Assembly Action: **None**

GEW115-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because Addendum bb of ASHRAE 90.1 – 2010 is not needed.

Assembly Action: **None**

GEW116-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the proponent requested disapproval. In addition, the committee disagreed that it was necessary to make this revision to enlarge the scope of the 10% increase in stringency. The UA alternative can be applied to the provision.

Assembly Action: **None**

GEW117-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the proponent requested disapproval. In addition, the committee disagreed that it was necessary to make this revision to enlarge the scope of the 10% increase in stringency. The UA alternative can be applied to the provision.

Assembly Action: **None**

GEW118-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the information is not comparable to ASHRAE 189.1. This proposed code change separates the prescriptive requirements for fenestration from the prescriptive requirements for insulation. It failed to establish the prescriptive requirements of the 2012 IECC as the minimum for fenestration in the 2012 IgCC

Assembly Action: **None**

GEW119-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the prescriptive table for fenestration does not improve the code. The footnotes of the table to be inserted in the code are inconsistent with the footnotes for the same table in the IECC.

Assembly Action: **None**

GEW120-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions with proposed code change GEW125-11.

Assembly Action: **None**

GEW121-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions with proposed code change GEW125-11.

Assembly Action:

None

GEW122-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

606.1.2.2 Testing requirement. The building envelope air tightness shall be considered to be acceptable where the tested air leakage is less than 0.25 cfm/ft² (4.57 m³/hr/m²) when tested at a pressure of .30 in w.c. (75 Pa). Testing shall occur after rough-in and after installation of penetrations of the building envelope, including penetrations for utilities, HVAC, plumbing and electrical equipment and appliances. Testing shall be done in accordance with ASTM E779. Buildings in occupancy type Business Group B shall be tested for air leakage in accordance with Section 502.4.1.2.3 of the International Energy Conservation Code. All other occupancy types shall comply with Section 502.4.1.2 of the International Energy Conservation Code.

(Portions of code change not shown remain unchanged.)

Committee Reason: The committee approved this proposed code change as modified because this is the best opportunity to put air leakage, air sealing and barrier requirements for all climate zones into the code. Requiring occupancy type Group B buildings to be tested will help the industry start to ensure that proper sealing methods are being utilized.

Assembly Action:

None

GEW123-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because proposed code change GEW125-11 was preferred..

Assembly Action:

None

GEW124-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because the committee believes that the energy conservation requirements in the IgCC should be improved over those of the IECC.

Assembly Action:

None

GEW125-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

606.1.1 Insulation and fenestration criteria. The building thermal envelope shall exceed the requirements of Tables 502.1.2, 502.2(1) and 502.3 of the *International Energy Conservation Code* by not less than 10 percent. Specifically, for purposes of compliance with this code, each U-factor, C-factor, F-factor and SHGC in the specified tables shall be reduced by 10 percent to determine the prescriptive criteria for this code, each R-Value shall be increased by 10 percent. In Sky Type 'C' locations as shown in Figure 609.5, the building roof area for skylights shall not exceed 5 percent.

(Portions of code change not shown remain unchanged.)

Committee Reason: The committee approved this proposed code change as modified because it clarifies the prescriptive thermal envelope requirements for the code. The building envelope requirements (wall and ceiling insulation, fenestration SHGC, etc. will be required to be 10% more stringent than the requirements of the 2012 *International Energy Conservation Code*. The modification to Section 606.1.1 will avoid issues of specifying products that have R-values not commonly produced. Keeping increases to U-factors will allow for greater flexibility using products or combinations of products to meet the new assembly values while maintaining a prescriptive path.

Note: Correct reference in 2012 IECC is Tables C402.1.2 and C402.3.

Assembly Action: **None**

GEW126-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW125-11.

Assembly Action: **None**

GEW127-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the proponent used the wrong reference for the code section as it should be 606.1.1. In exception 4 insulation was referenced and it should have been fenestration.

Assembly Action: **None**

GEW128-11

Committee Action: **Approved as Submitted**

Committee Reason: The committee approved this proposed code change because this section of code creates confusion and conflict with the IECC and would not save any energy, since the IECC provides a specific trade-off for SHGC and projection factor. Under the IECC, the prescriptive SHGC would be increased as a result of this requirement, offsetting any benefit.

Assembly Action: **None**

GEW129-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions with proposed code change GEW128-11. This proposed code change has nothing to do with dynamic glazing and this is not the right section in the code for this requirement.

Assembly Action: **None**

GEW130-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions with proposed code change GEW122-11.

Assembly Action: **None**

GEW131-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions with proposed code change GEW122-11.

Assembly Action: **None**

GEW132-11

Committee Action: **Approved as Modified**

Modify the proposal as follows:

606.1.2.2 Testing requirement. The building envelope air tightness shall be considered to be acceptable where the tested air leakage is less than 0.25 cfm/ft² (4.57 m³/hr/m²) when tested at a pressure of .30 in w.c. (75 Pa). Testing shall occur after rough in and after installation of penetrations of the building envelope, including penetrations for utilities, HVAC, plumbing, and electrical equipment and appliances. Testing shall be done in accordance with ASTM E779.

(Portions of code change not shown remain unchanged.)

Committee Reason: The committee approved this proposed code change as modified because the testing requirement in section 606.1.2.2 should be kept in the code. This proposed code change replaces the current air leakage requirements for the exterior building envelope with reference to those of the 2012 International Energy Conservation Code, while retaining special provisions in the code for vestibules and fireplaces. The modification was to keep Section 606.1.2.2 Testing requirement in the code as the proposed code change had shown it deleted.

Assembly Action: **None**

GEW133-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions with proposed code change GEW132-11.

Assembly Action: **None**

GEW134-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions with GEW132-11 and this information on ventilation holes of the luminaire is in the IECC.

Assembly Action: **None**

GEW135-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because it was confusing. The proponent was encouraged to work on a complete list to durably seal the building thermal envelope from exfiltration and infiltration.

Assembly Action: **None**

GEW136-11 **Withdrawn by Proponent**

GEW137-11 **Withdrawn by Proponent**

GEW138-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because this information is in the I-Codes.

Assembly Action: **None**

GEW139-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the air leakage criterion of building materials to be used for air sealing is in the IRC. This information is appropriately placed in the IRC and IECC, and is not needed in this code.

Assembly Action: **None**

GEW140-11

Committee Action: **Approved as Submitted**

Committee Reason: This proposed code change was approved by the committee because of clarification. It had the correct units' conversion to metric units and allowed for alternative approved methods.

Assembly Action: **None**

GEW141-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because it did not clarify whether the area is façade area or "per floor" area, and is inconsistent with ASHRAE 189.1 and the IECC.

Assembly Action: **None**

GEW142-11

Committee Action: **Disapproved**

Committee Reason: This proposed code change was disapproved because it lessened the stringency of the testing requirement.

Assembly Action: **None**

GEW143-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW140-11.

Assembly Action: **None**

GEW144-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW140-11.

Assembly Action: **None**

GEW145-11

Committee Action: **Disapproved**

Committee Reason: The committee did not approved this proposed code change because of previous actions with proposed code change GEW132-11. Another reason the proposed code change was disapproved was because the committee cited that the AMCA standard 500-D-07 Laboratory Methods of Testing Dampers for Rating did not comply with ICC Criteria for referenced standards in Section 3.6 of Council Policy CP#28.

Note: One reason the proposed code change was disapproved was because the AMCA standard 500-D-07 *Laboratory Methods of Testing Dampers for Rating* did not comply with ICC Standards Criteria. This statement was posted in a document titled New Standards Proposed in 2011 IgCC Code Change Cycle Listed by Standards Organization – Staff Analysis, posted April 25, 2011 on the ICC website. This statement was in error. AMCA Standard 500-D-07 was previously deemed to comply with the ICC Criteria for referenced standards in Section 3.6 of Council Policy CP#28 and was approved by reference in the 2012 *International Energy Conservation Code*.

Assembly Action: **None**

GEW146-11

Committee Action: **Disapproved**

Committee Reason: This proposed code change was not approved by the committee because the committee cited that there was no information on the standard AMCA 220-05, *Laboratory Methods of Testing Air Curtain Units for Aerodynamic Performance Rating*.

Note: The proponent did submit this standard, but it did not get posted due to a clerical error, and a staff analysis was not provided. In the opinion of the ICC staff, this standard does comply with the ICC Criteria for referenced standards in Section 3.6 of Council Policy CP#28. The standard can be viewed at the AMCA website, <http://www.amca.org/>.

Assembly Action: **None**

GEW147-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the term 'cooling design temperature' is not used in the code. A vestibule should be required at all times regardless of the area of space.

Assembly Action: **None**

GEW148-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because these provisions are dealt with in the *International Building Code* and the *International Residential Code*.

Assembly Action: **None**

GEW149-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW150-11.

Assembly Action: **None**

GEW150-11

Committee Action: **Approved as Submitted**

Committee Reason: The committee approved this proposed code change because the IECC already requires this for larger spaces and there is no justification for making small spaces, such as retail stores in strip malls, coffee shops, barber shops, etc. to have vestibules or rotating doors.

Assembly Action: **None**

GEW151-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the building envelope requirements (wall and ceiling insulation, fenestration SHGC, etc. in the IgCC will be required to be 10% more stringent than the requirements of the 2012 IECC.

Assembly Action: **None**

GEW152-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because deleting Section 607 of the code is counterproductive as this information is needed to obtain 10% more stringency than the requirements of the 2012 IECC.

Assembly Action: **None**

GEW153-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the standard OG-300 was never received and is not a standard. OG-300 is a certified solar water system for homes and businesses. Also, the information in this proposed code change is more applicable to Section 608 than Section 607 of the code.

Assembly Action: **None**

GEW154-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because it did not clarify the requirements for equipment not covered by federal standards.

Assembly Action: **None**

GEW155-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because this information is in the wrong place in the code.

Assembly Action:

None

GEW156-11

Committee Action:

Approved as Submitted

Committee Reason: The committee approved this proposed code change because it gives the proper designation of ENERGY STAR equipment uses and references them as "qualified". A new definition to clarify what the term "ENERGY STAR qualified" means will be added to the code.

Assembly Action:

None

GEW157-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

607.2.2.3 Minimum fan efficiency. Stand alone supply, return and exhaust fans designed for operating with motors over 750 watts (1hp) shall have an energy efficiency classification of not less than FEG71 as defined in AMCA 205-10. The total efficiency of the fan at the design point of operation shall be within 10 percentage points of either the maximum total efficiency of the fan or the static efficiency of the fan.

(Portions of code change not shown remain unchanged.)

Committee Reason: The committee approved this proposed code change as modified because the current section of the code requires ventilating fans to comply with the requirements of ENERGY STAR. However, the requirements for ENERGY STAR are for residential construction only. This proposed code change is referencing AMCA 205 Energy Efficiency Classification for Fans for commercial construction. The modification was to add technical design information on fans for operating with motors over 750 watts (1 hp).

Assembly Action:

None

GEW158-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

607.2.3 HVAC system controls. HVAC System Controls shall meet the requirements of the *International Energy Conservation Code* except as noted herein.

(Portions of code change not shown remain unchanged.)

Committee Reason: The committee approved this proposed code change as modified because the ENERGY STAR Program is no longer in existence for programmable thermostats. Also Section 607.2.3 of the code was deleted as it was not needed to reference deleted Section 607.2.3.1.

Assembly Action:

None

GEW159-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because the NEMA standard DC3 AnnexA-2010 was not in compliance with the ICC Criteria for referenced standards in Section 3.6 of Council Policy CP#28, and previous action on proposed code change GEW158-11.

Assembly Action: **None**

GEW160-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the proponent requested disapproval.

Assembly Action: **None**

GEW161-11

Committee Action: **Approved as Submitted**

Committee Reason: The committee approved this proposed code change because this topic on ventilation is covered in the *International Energy Conservation Code* and the *International Mechanical Code*.

Assembly Action: **None**

GEW162-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the sealing of ducts and insulation requirements are addressed in the *International Mechanical Code*.

Assembly Action: **None**

GEW163-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because sealing low-pressure duct systems is dealt with in the *International Energy Conservation Code*. If a provision in the IECC needs to be addressed, the proponent shall submit a code change proposal to the IECC.

Assembly Action: **None**

GEW164-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because this issue is dealt with in the *International Energy Conservation Code*.

Assembly Action: **None**

GEW165-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because it introduces a needlessly complex method for determination of insulation requirements for nonmetallic piping.

Assembly Action: **None**

GEW166-11

Committee Action: Disapproved

Committee Reason: The committee disapproved this proposed code change because it lacked supporting data to insulate the piping to reduce condensation.

Assembly Action: None

GEW167-11

Committee Action: Disapproved

Committee Reason: The committee disapproved this proposed code change because the committee thought the HVAC piping insulation table and exceptions were not significantly different than what is in the IECC.

Assembly Action: None

GEW168-11

Committee Action: Disapproved

Committee Reason: The committee disapproved this proposed code change because the proponent requested disapproval.

Assembly Action: None

GEW169-11

Committee Action: Disapproved

Committee Reason: The committee disapproved this proposed code change because it deleted the reference to ASHRAE 55 2004 Thermal Environmental Conditions on Human Occupancy. This information is absolutely needed in the code.

Assembly Action: None

GEW170-11

Committee Action: Disapproved

Committee Reason: The committee disapproved this proposed code change because they questioned the revised tables' data on equipment efficiency performance for economizers.

Assembly Action: None

GEW171-11

Withdrawn by Proponent

GEW172-11

Committee Action: Disapproved

Committee Reason: The committee disapproved this proposed code change because it is inappropriate to use fixed dry bulb controls in climate zones 1a, 2a, 3a and 4a.

Assembly Action: None

GEW173-11

Withdrawn by Proponent

GEW174-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because the design capacity for water economizer systems should be in the *International Energy Conservation Code* instead.

Assembly Action:

None

GEW175-11

Withdrawn by Proponent

GEW176-11

Committee Action:

Approved as Submitted

Committee Reason: The committee approved this proposed code change because it is consistent with ASHRAE 90.1 to reduce energy consumption associated with kitchen exhaust equipment. Research has shown that direct supply of makeup air, in excess of 10% of hood exhaust airflow, into the hood cavity significantly deteriorates the capture and containment performance of hoods. Short-circuit hoods waste energy and degrade the kitchen environment and hygiene by decreasing performance and increasing energy consumption.

Assembly Action:

None

GEW177-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because deleting technical information on kitchen exhaust systems is counterproductive for the code.

Assembly Action:

None

GEW178-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because the proponent requested disapproval and because of previous actions on proposed code change GEW176-11.

Assembly Action:

None

GEW179-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because the grease removal devices' information is in the International Mechanical Code and the requirements for cleaning the exhaust

hoods are in standard NFPA-96. The committee requested the proponent submit a public comment at the next hearing that would provide a baseline and performance metrics beyond the minimum requirements.

Assembly Action:

None

GEW180-11

Committee Action:**Approved as Submitted**

Committee Reason: The committee approved this proposed code change because it was editorial that the exception should be located after the requirements of this section in the code.

Assembly Action:**None**

GEW181-11**Committee Action:****Disapproved**

Committee Reason: The committee disapproved this proposed code change because, while the proponent advocated removing the rule that 25% of the annual energy consumption of pool operation be met by the

sources named on the basis that it did not belong in this section, he failed to provide a new location for that provision.

Assembly Action:**None**

GEW182-11**Committee Action:****Disapproved**

Committee Reason: The committee disapproved this proposed code change because water heating was not included in 50% of the peak design requirements for the space in which the pool is located.

Assembly Action:**None**

GEW183-11**Committee Action:****Approved as Submitted**

Committee Reason: The committee approved this proposed code change because the existing code text has proprietary language that benefits a specific industry to the detriment of others, in this case solar heating over geothermal heating. The installation of conduit for some potential future need puts the electrical code official in a quandary as far as approval is concerned in accordance with the electrical code requirements. Because of improvements in solar technology, there is no way to ensure that the equipment which is installed will meet code requirements when it is attempted to be utilized in the future.

Assembly Action:**None**

GEW184-11**Committee Action:****Approved as Submitted**

Committee Reason: The committee approved this proposed code change because it clarifies conduit with the term raceway, as permitted by NFPA 70® National Electrical Code®. Deleting the reference to "inch in" and "inches in" and replacing them with "trade" was made because electrical conduit and tubing sizes are for identification only and are not actual dimensions of the product.

Assembly Action:**None**

GEW185-11**Committee Action:****Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW183-11.

Assembly Action: **None**

GEW186-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW183-11.

Assembly Action: **None**

GEW187-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW183-11.

Assembly Action: **None**

GEW188-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW183-11. The information in exception 3 would be better placed in a separate section in Chapter 7 of the code. In addition it is confusing as it is an exception in an exception.

Assembly Action: **None**

GEW189-11

Committee Action: **Approved as Submitted**

Committee Reason: The committee approved this proposed code change because circulating hot water systems is dealt with in the *International Plumbing Code*.

Assembly Action: **None**

GEW190-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the information in Section 608 of the code is needed as options for projects.

Assembly Action: **None**

GEW191-11

Committee Action: **Approved as Modified**

Modify the proposal as follows:

609.1.1 Occupant sensor controls. Occupant sensor controls shall comply with Section 505.2 of the International Energy Conservation Code. ~~Occupant sensors shall be permitted to incorporate an integral maximum 3-watt LED night light that functions when loads are shut off.~~

609.1.2 Time switch controls. Time switch controls shall comply with Section 505.2 of the International Energy Conservation Code.

609.1.3 Automatic daylight controls. Automatic daylight controls shall comply with Section 505.2 of the International Energy Conservation Code.

SECTION 202 DEFINITIONS

OCCUPANT SENSOR CONTROL. ~~An automatic control. A device or system responding to movement that detects the presence or absence of people within an area and causes lighting, equipment, or appliances to be regulated accordingly.~~

DAYLIGHT CONTROL. A device or system that provides automatic control of electric light levels based on the amount of daylight in a space.

AUTOMATIC TIME SWITCH CONTROL. A device or system that automatically controls lighting or other loads, including switching ON or OFF, based on time schedules.

Committee Reason: The committee approved this proposed code change as modified because it removed the technical requirements from the definition of occupant sensor control, and relocated them to the appropriate section of the code. The modification was to add the definitions of daylight control and automatic time switch control, and put their technical requirements in the body of the code also.

Note: Correct reference in 2012 IECC is C405.2

Assembly Action: None

GEW192-11

Committee Action: Approved as Modified

Modify the proposal as follows:

609.2 Sleeping unit controls. *Sleeping units* in hotels, motels, boarding houses or similar *buildings* shall have ~~*captive key control at the main room entry to an automatic control system or device that shuts off all*~~ permanently wired luminaires and switched receptacles, except those in bathrooms, ~~when the unit is not occupied within 30 minutes of the unit being vacated.~~ Suites shall have a control meeting these requirements at the entry to each room or at the primary entrance to the suite.

Exception: Sleeping unit controls are not required *in sleeping units* where all permanently wired luminaires and switched receptacles, except those in bathrooms, are connected to a captive key control. ~~lighting and switched receptacles are controlled by an occupant sensor that requires manual intervention to energize circuits.~~

Committee Reason: The committee approved this proposed code change as modified because it clarifies the requirements of the sleeping unit controls, and makes the code more enforceable. The modification was to add an automatic control system or device that shuts off all permanently wired luminaires and switched receptacles, except those in bathrooms within 30 minutes of the unit being vacated.

Assembly Action: None

GEW193-11

Committee Action: Disapproved

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW192-11.

Assembly Action: None

GEW194-11

Committee Action: Approved as Modified

Modify the proposal as follows:

609.2 Sleeping unit controls. *Sleeping units in hotels, motels, boarding houses, dormitory or similar buildings* Group R-1 and R-2 occupancies shall have a control system for detecting occupancy to shut off all permanently wired luminaires and switched receptacles, except those in bathrooms, when the unit is not occupied.

Exception: Sleeping unit controls are not required *in sleeping units* where all lighting and switched receptacles are controlled by an *occupant sensor* that requires *manual* intervention to energize circuits.

609.2.1 Sleeping unit bathroom controls. All permanently wired luminaires located in bathrooms within *sleeping units in hotels, motels, boarding houses, dormitory or similar buildings* Group R-1 and R-2 occupancies shall be equipped with *occupant sensors* that require manual intervention to energize circuits.

Exception: Up to 5 watts of lighting in each bathroom shall be permitted to be connected to the *captive key control* at the main room entry instead of being connected to the *occupant sensor control*.

Committee Reason: The committee approved this proposed code change as modified because energy savings will be realized when sleeping units in building types Group R-1 and R-2 occupancies have a control system for detecting occupancy to shut off lights.

Assembly Action: **None**

GEW195-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW192-11.

Assembly Action: **None**

GEW196-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW197-11.

Assembly Action: **None**

GEW197-11

Committee Action: **Approved as Submitted**

Committee Reason: The committee approved this proposed code change because exception 4 means of egress lighting adds reference to the *International Building Code* and *International Fire Code*. Also the proposed code change states the means of egress lighting shall not be on circuits that are controlled by occupant sensors.

Assembly Action: **None**

GEW198-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because it is inappropriate to adjust requirements simply to address the performance of a single technology (HID lamps).

Assembly Action: **None**

GEW199-11

Committee Action: **Approved as Submitted**

Committee Reason: The committee approved this proposed code change because it was editorial.

Assembly Action: **None**

GEW200-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW191-11.

Assembly Action: **None**

GEW201-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW191-11.

Assembly Action: **None**

GEW202-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because there was not enough information to support the change.

Assembly Action: **None**

GEW203-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because signage is an energy load and with automatic controls can be energy efficient. Signage can be a significant part of a building's energy consumption.

Assembly Action: **None**

GEW204-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the committee thought additional data was needed to substantiate the time from midnight until 6 a.m. for turning off exterior decorative lighting.

Assembly Action: **None**

GEW205-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the proponent requested disapproval.

Assembly Action: **None**

GEW206-11

Committee Action: **Approved as Submitted**

Committee Reason: The committee approved this proposed code change because it improves the clarity and usability of the code in regards to automatic daylight controls and day lit area of building spaces. Also, revising the definition of exterior wall, obstructed and deleting roof, obstructed will allow only one roof shading analysis to be required for each project.

Assembly Action: **None**

GEW207-11

Committee Action: **Approved as Submitted**

Committee Reason: The committee approved the proposed code change because it improved the usability of the code regarding sky types. The NOAA Annual Mean Sunshine Percentage Table by Sky Type was removed as it was not produced at a high resolution and was lacking county boundary lines, Alaska, Hawaii and the US Territories.

Assembly Action: **None**

GEW208-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW207-11.

Assembly Action: **None**

GEW209-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this code change proposal because the provisions would be in conflict with the 2009 International Energy Conservation code. In addition the committee cited the statement that standard ASTM D1003 - 2000 did not comply with ICC Standards Criteria for referenced standards in Section 3.6 of Council Policy CP#28.

Note: As part of its reason for Disapproval of Code Change Proposal GEW 209, the committee cited the statement that standard ASTM D1003 did not comply with ICC Standards Criteria for referenced standards in Section 3.6 of Council Policy CP#28. This statement was posted in a document titled NEW STANDARDS PROPOSED IN 2011 IgCC CODE CHANGE CYCLE LISTED BY STANDARDS ORGANIZATION-STAFF ANALYSIS, posted April 25, 2011 on the ICC website. THIS STATEMENT WAS IN ERROR. Standard ASTM D1003 was previously deemed to comply with the ICC Criteria for referenced standards in Section 3.6 of Council Policy CP#28 and was approved by reference to be included in the 2012 Edition of the International Energy Conservation Code.

Assembly Action: **None**

GEW210-11

Committee Action: **Approved as Modified**

Modify the proposal as follows:

609.5 Automatic daylight controls. *Automatic daylight controls* shall be provided in all daylight zones with

minimum *fenestration* as specified in Table 609.5 and Figure 609.5. ~~General~~ Lighting in a side lighting day lit area that is within one window head height shall be separately controlled by automatic day lighting controls. (Portions of code change not shown remain unchanged.)

Committee Reason: The committee approved this proposed code change as modified because there is much less daylight available further from the window, so controlling all of this lighting together in one control zone will cause lights closer to the window to operate at a higher intensity. This proposed code change will help increase the likelihood that automatic day lighting controls are not disabled by the occupants they serve. Lights close to the windows will be dimmed more frequently than if they were grouped together over the full extent of the side lit area by windows. The modification to delete the word 'general' and retain 'daylight zones' was to make this section of the code applicable for all lighting.

Assembly Action: **None**

GEW211-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW 210-11

Assembly Action: **None**

GEW212-11

Committee Action: **Approved as Submitted**

Committee Reason: The committee approved this proposed code change because it improves the technical content of the automatic daylight controls in the code and adds a logical exception for lighting listed in the *International Energy Conservation Code*, which is a list of lighting requiring additional control devices that would be difficult to tie into the day lighting controls.

Assembly Action: **None**

GEW213-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW191-11.

Assembly Action: **None**

GEW214-11

Committee Action: **Approved as Submitted**

Committee Reason: The committee approved this proposed code change because it improves the usability and technical content of the code by moving the fenestration requirements to Section 808 of the code. Also, the effective aperture numbers for rooftop monitors will be in the code.

Assembly Action: **None**

GEW215-11

Committee Action: **Approved as Modified**

Modify the proposal as follows:

609.6 Plug load controls. Receptacles and electrical outlets in the following spaces shall be controlled by an

occupant sensor or time switch or Energy Management System as follows:
(Portions of code change not shown remain unchanged.)

Committee Reason: The committee approved the proposed code change as modified by removing the Energy Management System reference. Receptacles shall be 'switched' has been revised to 'controlled' for consistency throughout the code. The word 'controlled' more appropriately represents the intent of this requirement. The modification was to remove the Energy Management System reference as it is not defined in the code.

Assembly Action: **None**

GEW216-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because they believe that site energy is the most appropriate and practical basis for energy calculations.

Assembly Action: **None**

GEW217-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because it is not in mandatory language and not enforceable.

Assembly Action: **None**

GEW218-11

Committee Action: **Approved as Modified**

Modify the proposal as follows:

609.9 Exterior lighting. All exterior lighting on the building site shall comply with Sections 505.6.1 and 505.6.2 of the International Energy Conservation Code regardless of how the power for that lighting is supplied, except where approved because of historical, safety, signage, or emergency lighting considerations. Roadway lighting required by governmental authorities is exempt.

Committee Reason: The committee approved this proposed code change as modified because the lighting efficiency requirements of the *International Energy Conservation Code* are only applicable to exterior lighting when the power for exterior lighting is supplied through the energy service to the building. This only applies to buildings in Section 505.6 of the IECC. Whereas, exterior lighting on building sites that comply with the IgCC should not be excluded from basic efficiency requirements. The modification was to delete 'on the building site' because it was not needed as exterior lighting is only located outside of the building.

Note: Correct reference in 2012 IECC is Sections C405.6.1 and C405.6.2.

Assembly Action: **None**

GEW219-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the ASAE EP566.1-08 *Guidelines for Selection of Energy Efficient Agricultural Ventilation Fans* has permissive language, and

therefore is not in compliance with ICC Standards Criteria for referenced standards in Section 3.6 of Council

Assembly Action: **None**

GEW220-11

Committee Action: **Approved as Modified**

Replace the original proposal with the following:

609.12 Main Electrical Panel Rating. The main electrical service entrance panel for the building shall be listed and labeled as suitable for connection to an on-site renewable energy source.

Committee Reason: The committee approved the proposed code change as modified because it requires the main electrical service entrance panel for the building to be listed and labeled as suitable for connection to a future on-site renewable energy source. Also the modification was for clarification and provides a greater opportunity for future usage of on-site renewable energy sources.

Assembly Action: **None**

GEW221-11

Committee Action: **Approved as Submitted**

Committee Reason: The committee approved the proposed code change because it clarifies which appliances and equipment not listed in Sections 606 to 609 of the code are covered by federal efficiency standards.

Assembly Action: **None**

GEW222-11

Committee Action: **Approved as Modified**

Modify the proposal as follows:

610.2.1.1 Lighting. The total lighting in each elevator cab shall be not less than 35 lumens per watt, based on the total lumens from lamps divided by the total wattage of all of the luminaires in the cab, not including signals and displays.

Committee Reason: The committee approved the proposed code change as modified because it addresses issues of elevator cab lighting and where the lumens originate. The reduction to 35 lumens per watt minimum permits the use of LED lighting. The language clarifies that the measurement is an average of all lighting in each elevator cab and not on a pure-light basis. Also, it clarifies that cab signals and displays are not regulated by this section. The modification was to clarify that the total lumens is from lamps only and not lumens from signals and displays.

Assembly Action: **None**

GEW223-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved the proposed code change because of previous actions on proposed code change GEW220-11.

Assembly Action: **None**

GEW224-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved the proposed code change because it doesn't save energy, and the language should reflect ASHRAE 90.1.

Assembly Action:

None

GEW225-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved the proposed code change because it appeared that the proponent's only reason to delete Section 610.2.1.4 Standby mode was that the time duration for de-energizing the lighting, ventilation and car displays when the elevator is stopped, not occupied, and with the doors closed should be 15 minutes instead of 5 minutes. This single issue does not justify deleting an energy saving feature. The committee felt that standby mode operations help save energy as the power ceases to be applied to the door motor after the elevator is stopped, lighting is de-energized, and no one is in the car, and re-energized upon the next passenger's arrival.

Assembly Action:

None

GEW226-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved the proposed code change because using roller type elevator car guides helps reduce frictional energy losses.

Assembly Action:

None

GEW227-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

610.2.2.1 Lighting. Light sources, including, but not limited to, balustrade lighting, comb-plate lighting and step Demarcation lighting, shall have an efficacy of not less than 50 35 lumens/watt, based on the total lumens from lamps divided by the total wattage of all of the luminaires provided on the escalator or moving walk.

Committee Reason: The committee approved the proposed code change as modified because the language clarifies that the measurement is an average of all lighting on each unit, and not on a pure-light basis. The modification was to keep the lighting efficacy to 50 lumens/watt based on the total lumens from lamps based on previous action on proposed code change GEW222-11.

Assembly Action:

None

GEW228-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved the proposed code change because escalators and moving walkways should be automatically turned off when the building is unoccupied or outside of facility operations.

Assembly Action:

None

GEW229-11

Committee Action:

Approved as Submitted

Committee Reason: The committee approved the proposed code change because it is consistent with previous actions on proposed code change GEW156-11 regarding ENERGY STAR qualified appliance or

equipment.

Assembly Action: **None**

GEW230-11

Committee Action: **Approved as Modified**

Modify the proposal as follows:

610.2.3 Commercial food service equipment. Not less than 50 percent of the aggregate rated power allocated to commercial food service equipment shall be ENERGY STAR –eligible food service equipment including, but not limited to, open deep-fat fryers, hot food holding cabinets, reach-in refrigerators and freezers, solid door refrigerators defined by ENERGY STAR. Steam cookers, dishwashers, griddles and convection gas and electric ovens, shall be ENERGY STAR qualified if an ENERGY STAR category exists for the specific product type.

Committee Reason: The committee approved the proposed code change as modified because it addresses certain categories of commercial food service products where EPA has not yet developed qualification criteria for some specific model variations. The modification was to remove dishwashers because dishwashers' performance criteria is not in the ENERGY STAR equipment program.

Assembly Action: **None**

GEW231-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved the proposed code change because of previous actions on proposed code change GEW156-11. It would be difficult to administer and enforce because the proposed code change was written poorly.

Assembly Action: **None**

GEW232-11

Committee Action: **Approved as Modified**

Modify the proposal as follows:

610.2.3 Commercial food service equipment. Not less than 50 percent of the ENERGY STAR-eligible commercial food service equipment shall be ENERGY STAR qualified based on aggregate rated power-energy input rating.

Committee Reason: The committee approved the proposed code change as modified because the ENERGY STAR commercial food service equipment should have properly defined specifications to utilize energy and water efficiently. The modification was that the equipment shall be ENERGY STAR qualified based on aggregate rated energy input rating.

Assembly Action: **None**

GEW233-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW232-11.

Assembly Action: **None**

GEW234-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because Section 605.5 does not exist in the code.

Assembly Action:

None

GEW235-11

Committee Action:

Approved as Submitted

Committee Reason: The committee approved this proposed code change because of clarification and gives references for ENERGY STAR appliances and equipment efficiencies.

Assembly Action:

None

GEW236-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

Exception: Appliances and equipment within residential *dwelling units*. ~~do not have to be~~ ENERGY STAR qualified.~

(Remainder of proposed code change remains unchanged)

Committee Reason: The committee approved this proposed code change as modified because it would alleviate significant implementation problems, enforcement barriers and policy issues flowing from the regulation of personal appliances and electronics in private homes.

Assembly Action:

None

GEW237-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because the intent of the code is to require a list for all appliances including fossil-fuel appliances. This change is unnecessary.

Assembly Action:

None

GEW238-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW156-11.

Assembly Action:

None

GEW239-11

Committee Action:

Approved as Submitted

Committee Reason: The committee approved this proposed code change as submitted because it is consistent with proposed code change GEW232-11. This proposed code change will ensure that the building owner meets the requirement for ENERGY STAR appliances and equipment that operate on fossil fuels as well as those that operate on electricity, which will maximize energy savings in the building.

Assembly Action:

None

GEW240-11

Committee Action: Disapproved

Committee Reason: The committee disapproved this proposed code change because regulations on portable appliance and equipment are necessary, given that this equipment represents a large part of building energy consumption.

Assembly Action: None

GEW241-11

Committee Action: Disapproved

Committee Reason: The committee disapproved this proposed code change because it needed additional work by the proponent because it wasn't clear regarding specific appliances and equipment.

Assembly Action: None

GEW242-11

Committee Action: Disapproved

Committee Reason: The committee disapproved this proposed code change because it was not enforceable because it contained vague language" (Where feasible....)".

Assembly Action: None

GEW243-11

Committee Action: Disapproved

Committee Reason: The committee disapproved this proposed code change because the project elective option was not well written because it does not require an energy project elective. The committee disagreed with the change in Section 611.1 from "total building energy use" to only energy used for the building mechanical and service water heating; the IgCC should be based on total building energy use. Exception No. 1 is subjective regarding how the user can apply this.

Assembly Action: None

GEW244-11

Committee Action: Disapproved

Committee Reason: The committee disapproved this proposed code change because of exception 4 where the building's energy consumption is reduced by four percent beyond the adopted energy code of the jurisdiction may be less than the code. There is no need to include geothermal as alternative renewable energy systems.

Assembly Action: None

GEW245-11

Committee Action: Disapproved

Committee Reason: The committee disapproved this proposed code change because it prohibits gas mixing and trucking waste material.

Assembly Action: None

GEW246-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change for the same reasons it disapproved proposed code change GEW243-11.

Assembly Action:

None

GEW247-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

611.2.1 Requirements. The installation, inspection, maintenance, repair and replacement of solar photovoltaic systems and all system components shall comply with the manufacturer's instructions, Sections 611.2.1.1 through ~~611.2.1.2~~, and NFPA 70.

611.2.1.2 Solar photovoltaic modules. ~~Solar photovoltaic modules shall be listed and labeled in accordance with UL 1703.~~

(Portions of code change not shown remain unchanged.)

Committee Reason: The committee approved this proposed code change as modified because it relocates the requirement of solar photovoltaic systems in the code to the appropriate location. The modification was to remove an incorrect code section and technical requirements for solar photovoltaic modules.

Assembly Action:

None

GEW248-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW251-11.

Assembly Action:

None

GEW249-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because it addresses only solar photovoltaic systems. By increasing the threshold amount to 5%, the use of solar photovoltaic systems is disadvantaged.

Assembly Action:

None

GEW250-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because the provisions are covered in other sections in the code.

Assembly Action:

None

GEW251-11

Committee Action:

Approved as Submitted

Committee Reason: The committee approved this proposed code change because the 2012 editions of the International Building Code and International Fire Code have more detailed requirements for the installation, inspection, maintenance, repair and replacement of the solar photovoltaic systems.

Assembly Action:

None

GEW252-11

Withdrawn by Proponent

GEW253-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW251-11. It is redundant and has unnecessary language.

Assembly Action:

None

GEW254-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW251-11.

Assembly Action:

None

GEW255-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW251-11.

Assembly Action:

None

GEW256-11

Withdrawn by Proponent

GEW257-11

Committee Action:

Approved as Submitted

Committee Reason: The committee approved this proposed code change because Figure 611.4 Photovoltaic Resource Map is not referenced in the code; therefore, it should be omitted.

Assembly Action:

None

GEW258-11

Committee Action:

Approved as Submitted

Committee Reason: The committee approved this proposed code change because the technical information is in the I-Codes for solar voltaic modules and inverters.

Assembly Action:

None

GEW259-11

Committee Action:

Approved as Submitted

Committee Reason: The committee approved the proposed code change because the code needs the requirements for the proper installation of wind energy systems.

Assembly Action:

None

GEW260-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because energy harvesting systems installed on the roof must comply with the requirements of the *International Building Code* and the

International Fire Code; therefore it is unnecessary to restate this in the IgCC.

Assembly Action:

None

GEW261-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code changes GEW251-11 and GEW258-11.

Assembly Action:

None

GEW262-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because of previous action on proposed code changes GEW251-11 and GEW258-11.

Assembly Action:

None

GEW263-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because of previous actions with proposed code changes GEW251-11 and GEW258-11.

Assembly Action:

None

GEW264-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because of previous actions with proposed code changes GEW251-11 and GEW258-11.

Assembly Action:

None

GEW265-11

Committee Action: Disapproved

Committee Reason: The committee disapproved this proposed code change because of previous actions with proposed code changes GEW251-11 and GEW258-11.

Assembly Action: None

GEW266-11

Committee Action: Disapproved

Committee Reason: The committee disapproved this proposed code change because high efficiency back-up service water heating systems are not renewable energy systems, therefore this is the wrong place for these provisions.

Assembly Action: None

GEW267-11

Committee Action: Disapproved

Committee Reason: The committee disapproved this proposed code change because off peak energy storage systems and diesel energy systems are not renewable forms of energy. Therefore these provisions do not belong in this section.

Assembly Action: None

GEW268-11

Number Not Used

GEW269-11

Committee Action: Disapproved

Committee Reason: The committee disapproved this proposed code change because process heat recovery is beyond the scope of the code.

Assembly Action: None

GEW270-11

Withdrawn by Proponent

GEW271-11

Committee Action: Disapproved

Committee Reason: The committee disapproved this proposed code change because renewable energy systems requirements are an important part of the IgCC and therefore need to remain to be mandatory.

Assembly Action: None

GEW272-11

Committee Action: Disapproved

Committee Reason: The committee disapproved this proposed code change because a registered design professional can develop commissioning plans, and this is consistent with the IECC.

Assembly Action: None

GEW273-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because the language is less stringent than in the *International Energy Conservation Code*.

Assembly Action:

None

GEW274-11

Withdrawn by Proponent

GEW275-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because the standard ICC G-1 Guidelines for Replicable Buildings is not in compliance with the ICC Criteria for referenced standards in Section 3.6 of Council Policy CP#28.

Assembly Action:

None

GEW276-11

Withdrawn by Proponent

GEW277-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because "automatic" is already included in the definition of time switch; therefore the proposed code change is unnecessary.

Assembly Action:

None

GEW278-11

Committee Action:

Approved as Submitted

Committee Reason: The committee approved this proposed code change as submitted because for dimming systems with preset scenes acceptable industry standards such as NEMA LSD 23- 2010 should be used.

Assembly Action:

None

GEW279-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because the ICC G-1 Guidelines for Replicable Buildings referenced is not in compliance with the ICC Criteria for referenced standards in Section 3.6 of Council Policy CP#28.

Assembly Action:

None

GEW280-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because continuous automated commissioning and monitoring activities is a goal of the IgCC. The proposed code change stated that if the

automated commissioning and monitoring activities are overseen by a registered design professional they do not need to be repeated. There is no justification for this.

Assembly Action: **None**

GEW281-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the mechanical systems commissioning and completion requirements are essential for the code and therefore should remain as mandatory requirements.

Assembly Action: **None**

GEW282-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the exception regarding equipment in systems designed specifically to respond to renewable energy generation and/or off peak energy is not in the proper section of the code. The committee preferred proposed code changes GEW293-11 and GEW294-11.

Assembly Action: **None**

GEW283-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW156-11.

Assembly Action: **None**

GEW284-11

Withdrawn by Proponent

GEW285-11

Committee Action: **Approved as Submitted**

Committee Reason: The committee approved this proposed code change because ground source is the correct term for heat pumps. This ensures that ground source heat pumps cannot be considered as qualifying as on site renewable energy.

Assembly Action: **None**

GEW286-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because these provisions should be dealt with in the IECC.

Assembly Action: **None**

GEW287-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because the proposed code change limited testing only 50% of the duct for leakage.

Assembly Action:

None

GEW288-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because it limits ENERGY STAR qualified water heating equipment to residential when small commercial buildings should be allowed to use this option.

Assembly Action:

None

GEW289-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW156-11.

Assembly Action:

None

GEW290-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change of previous actions on proposed code change GEW282-11.

Assembly Action:

None

GEW291-11

Withdrawn by Proponent

GEW292-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because additional documentation is needed regarding the health concerns related to halogenated flame retardants.

Assembly Action:

None

GEW293-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

613.8 Renewable energy system project electives. Buildings seeking a renewable energy system project elective or electives shall be equipped with one or more renewable energy systems in accordance with Section 611.2 that have the capacity to provide the percent of annual energy used within the building for mechanical and service water heating equipment and lighting as selected in Table 303.1. Capacity shall be demonstrated in accordance with 611.1.1. or 611.1.2.

(Portions of code change not shown remain unchanged.)

Committee Reason: The committee approved this proposed code change as modified because all project electives for buildings with renewable energy systems to provide more than 2% of the annual energy used within the building for mechanical and service water heating equipment and lighting should be allowed to take credit for the additional energy they provide. Adding renewable energy system project electives provides a mechanism to give credit for providing more than the minimum level of required renewable energy. The modification to remove mechanical and service water heating equipment and lighting was to provide consistency in the code to determine the annual energy used within the building.

Assembly Action: **None**

GEW294-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because it is not enforceable. Determination of what "adequate usable amount of charged media" is would be difficult if not impossible.

Assembly Action: **None**

GEW295-11

Committee Action: **Approved as Submitted**

Committee Reason: The committee approved this proposed code change because there is criteria for CO_{2e} emission reductions in the chapter.

Assembly Action: **None**

GEW296-11

Committee Action: **Approved as Submitted**

Committee Reason: The committee approved this proposed code change because these are revisions to the jurisdictional electives in section 302.1 to reflect changes made to Chapter 6 in the code.

Assembly Action: **None**

GEW297-11

Committee Action: **Approved as Submitted**

Committee Reason: The committee approved this proposed code change because the changes are editorial to coordinate with the changes proposed in Chapters 6 and 10 of the code. The post-occupancy requirements are moved to Chapter 10 since they are to take place on existing buildings.

Assembly Action: **None**

GEW298-11

Withdrawn by Proponent

GEW299-11

Committee Action: **Disapproved**

Committee Reason: Consistent with action on GEW325.

Assembly Action: **None**

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GEW300-11

Committee Action:

Disapproved

Committee Reason: Rainwater should be an option for fire- fighting purposes.

Assembly Action:

None

GEW301-11

Committee Action:

Approved as Submitted

Committee Reason: The term “appliances” is too vague to be used in this table.

Assembly Action:

None

GEW302-11

Committee Action:

Approved as Submitted

Committee Reason: The proposal widens the scope to cover all of the items that Chapter 7 is concerned with.

Assembly Action:

None

GEW303-11

Committee Action:

Disapproved

Committee Reason: Chapter 4 is part of the code already so it does not need to be referenced in this section.

Assembly Action:

None

GEW304-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

**TABLE 702.1
MAXIMUM FIXTURE AND FITTING FLOW RATES
FOR REDUCED WATER CONSUMPTION**

FIXTURE OR FIXTURE FITTING TYPE	MAXIMUM FLOW RATE
Showerhead ^a	2.0 gpm ^b and WaterSense labeled
Lavatory faucet and bar sink -private	4.0 1.5 gpm ^c and WaterSense labeled
Lavatory faucet-public (metered)	0.25 gpc ^d

(Remainder of table remains unchanged)

Committee Reason: The modification was made to align the allowable lavatory and bar sink faucet flow rate with that required by WaterSense. The remainder of the proposal was approved to make the code simple for achieving the 20 percent reduction in water usage.

Assembly Action:

None

GEW305-11

Committee Action:

Disapproved

Committee Reason: The code section was deleted by proposal GEW304.

Assembly Action:

None

GEW306-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

702.1 Fitting and fixture consumption. A schedule of plumbing fixtures and fixture fittings shall be provided that demonstrates compliance with all of the following:

1. The maximum water consumption of fixtures and fittings shall comply with the flow rates specified in Table 702.1 for the fixtures and fittings listed therein.
2. The aggregate *potable* water consumption of fixtures and fittings shall be at least 20 percent less than the reference value calculated in accordance with Section 702.1.1.
3. For dwelling unit and guest room shower compartments with a floor area of not greater than ~~3000~~ 2600 in² (~~4-9~~ 1.7 m²), the combined flow rate from shower water outlets that are capable of operating simultaneously including rain systems, waterfalls, body sprays and jets shall not exceed 2.0 gpm (7.6 L/min). Where the floor area of such shower compartments is greater than ~~3000-2600~~ in² (~~4-9~~ 1.7 m²), the combined flow rate from simultaneously operating shower water outlets shall not exceed 2.0 gpm (7.6 L/min) for each additional ~~3000-2600~~ in² (~~4-9~~ 1.7 m²) of floor area or portion thereof.
4. In gang shower rooms, the combined flow rate from shower water outlets that are capable of operating simultaneously including rain systems, waterfalls, body sprays and jets shall not exceed 2.0 gpm (7.6 L/min) for every 1600 in² (1.01 m²) or portion thereof of room floor area.
5. In shower compartments required to comply with the requirements of Chapter 11 of the IBC, the combined flow rate from shower water outlets that are capable of operating simultaneously including rain systems, waterfalls, body sprays and jets shall not exceed 4.0 gpm (7.6 L/min) for every ~~3000~~ 2600 in² (~~4-9~~ 1.7 m²) or portion thereof of room floor area.

Exceptions: The following fixtures and devices shall not be required to comply with the reduced flow rates of this section.

1. Blowout design water closets having a maximum water consumption of 2.8 gallons (10.4 L) per flush.
2. Clinical sinks having a maximum water consumption of 4.5 gallons (17 L) per flush.
3. Service sinks, bath valves, pot fillers, laboratory faucets, utility faucets, and other fittings designed primarily for filling operations.

Committee Reason: The modification was made to be in agreement with what is required by the standard ASHRAE/USGBC/IES 189.1-2009. The remainder of the proposal was approved because allowing multiple 2.0 gpm showerheads to operate simultaneously in a shower compartment defeats the desired reduction of water usage.

Assembly Action:

None

GEW307-11

Committee Action:

Approved as Submitted

Committee Reason: Changing "gallons per flush" to "gpf" reads more consistent with other parts of table.

Assembly Action:

None

GEW308-11

Committee Action:

Disapproved

Committee Reason: Based upon action taken on GEW306-11.

Assembly Action:

None

GEW309-11

Committee Action:

Disapproved

Committee Reason: Action on GEW304-11 deleted this table.

Assembly Action:

None

GEW310-11

Committee Action: Disapproved

Committee Reason: Action on GEW304-11 deleted this table.

Assembly Action: None

GEW311-11

Committee Action: Disapproved

Committee Reason: Action on GEW304-11 deleted this table.

Assembly Action: None

GEW312-11

Committee Action: Disapproved

Committee Reason: Based upon action taken on GEW306.

Assembly Action: None

GEW313-11

Committee Action: Disapproved

Committee Reason: Based upon action taken on GEW307.

Assembly Action: None

GEW314-11

Committee Action: Approved as Submitted

Committee Reason: The footnotes to the table are unnecessary because the standards for these products already address the pressure for the stated flow rate.

Assembly Action: None

GEW315-11

Committee Action: Disapproved

Committee Reason: Based upon action taken on GEW304.

Assembly Action: None

GEW316-11

Committee Action: Approved as Submitted

Committee Reason: Adding flushometer type water closets for private applications reflects an option that exists in the marketplace.

Assembly Action: None

GEW317-11

Committee Action: Disapproved

Committee Reason: Based upon action on GEW304 that deleted this table.

Assembly Action: None

GEW318-11

Committee Action: Disapproved

Committee Reason: The language is not clear enough to determine which types of machines must be ENERGY STAR qualified in a public laundry facility.

Assembly Action: None

GEW319-11

Committee Action: Disapproved

Committee Reason: Larger capacity clothes washing machines are not currently covered by ENERGY STAR program.

Assembly Action: None

GEW320-11

Committee Action: Approved as Modified

Modify the proposal as follows:

702.6.2 Ice makers. Ice makers shall not be water cooled. Ice makers producing cubed-type ice shall comply with the requirements of the Energy Star Program for commercial ice machines. Ice makers of a type not currently Energy Star labeled qualified, such as flake, nugget or continuous type ice makers, shall not exceed the total water use of 25 gallons per 100 pounds of ice produced.

Committee Reason: The modification was made to be consistent with action taken on GEW156. The remainder of the proposal was approved as the volume of water for making 100 pounds of ice is reasonable as some of the available ice making machines are capable of meeting this requirement.

Assembly Action: None

GEW321-11

Committee Action: Disapproved

Committee Reason: The committee would like to see this proposal brought back in a public comment to include separate water use requirements for boiler-less and boiler- type food steamers.

Assembly Action: None

GEW322-11

Committee Action: Disapproved

Committee Reason: The committee would like to see this proposal brought back in a public comment to include separate water use requirements for boiler-less and boiler- type food steamers.

Assembly Action: None

GEW323-11

Committee Action:

Approved as Submitted

Committee Reason: The proposal sets reasonable values for types of dishwashers that are not covered by the ENERGY STAR program.

Assembly Action:

None

GEW324-11

Committee Action:

Disapproved

Committee Reason: Based upon action on GEW323.

Assembly Action:

None

GEW325-11

Committee Action:

Disapproved

Committee Reason: Municipally reclaimed water is what is intended to be in this section.

Assembly Action:

None

GEW326-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

702.7 Municipal reclaimed water. Where required by Table 302.1 and where *municipal reclaimed water* is accessible and allowed for such use by the laws, rules and ordinances applicable in the *jurisdiction*, it shall be supplied to water closets, water-supplied urinals, water-supplied trap primers and applicable industrial uses. A municipal reclaimed water supply shall be deemed accessible where the supply is not greater than 150 percent of the distance that the potable water supply is from the lot boundary or the supply is within 100 feet of a potable water supply that serves the lot.

Exception: Where the code official recognizes that barriers to the installation of the municipal reclaimed water supply exist such that the installation would be extremely difficult and the cost of installation of the municipal reclaimed water supply line to the lot boundary would exceed 200 percent of the cost of installation of the potable water supply to the lot boundary.

Committee Reason: The modification was made because the language of "recognizes that barriers exist" and "extreme difficulty" are confusing and vague.

Assembly Action:

None

GEW327-11

Committee Action:

Approved as Submitted

Committee Reason: This proposal greatly simplifies the hot water distribution pipe sizing process for achieving a reduction of time spent waiting for hot water to arrive at the indicated fixtures which in turn, reduces water waste.

Assembly Action:

None

GEW328-11

Committee Action:

Disapproved

Committee Reason: The proposed change does not save any energy.

Assembly Action:

None

GEW329-11

Committee Action:

Disapproved

Committee Reason: Based upon action on GEW327. This table was deleted.

Assembly Action:

None

GEW330-11

Committee Action:

Disapproved

Committee Reason: Based upon action on GEW327. This table was deleted.

Assembly Action:

None

GEW331-11

Committee Action:

Approved as Submitted

Committee Reason: In the context of this section, the term municipal is not needed. Any type of reclaimed can be used.

Assembly Action:

None

GEW332-11

Committee Action:

Approved as Submitted

Committee Reason: Total volume of water used for trap priming should be limited so as to not waste any type of water.

Assembly Action:

None

GEW333-11

Committee Action:

Approved as Submitted

Committee Reason: Appropriately replaces the term "labeling" with "marking" so as to not be confused with the "listing and labeling" of a product to a standard.

Assembly Action:

None

GEW334-11

Committee Action:

Disapproved

Committee Reason: Water in a trap is not sanitary to begin with. The plumbing code already covers sanitizing graywater.

Assembly Action:

None

GEW335-11

Committee Action: **Approved as Submitted**

Committee Reason: Removes a matter from the code that is confusing and not needed.

Assembly Action: **None**

GEW336-11

Committee Action: **Disapproved**

Committee Reason: The proposal allows the alarm to be turned off which could result in the owner continuing to rely on the pump for primary service. That would waste significant amounts of water.

Assembly Action: **None**

GEW337-11

Committee Action: **Disapproved**

Committee Reason: There are some applications where water powered sump pumps are needed as water is the only reliable, long lasting power source available.

Assembly Action: **None**

GEW338-11

Committee Action: **Approved as Submitted**

Committee Reason: A level of efficiency for water powered sump pumps is necessary to reduce the volume of volume of water that could be used by these types of pumps.

Assembly Action: **None**

GEW339-11

Committee Action: **Disapproved**

Committee Reason: Studies have shown that electronically controlled faucets do not reduce water consumption.

Assembly Action: **None**

GEW340-11

Committee Action: **Disapproved**

Committee Reason: A dipper well can waste a significant amount of water. The current requirement for 1 gpm is reasonable and does not appear to violate any health department requirements.

Assembly Action: **None**

GEW341-11

Committee Action: **Disapproved**

Committee Reason: Based on action on GEW341.

Assembly Action: **None**

GEW342-11

Committee Action:

Disapproved

Committee Reason: Proposal GEW343 is preferred.

Assembly Action:

None

GEW343-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

702.14 Automated vehicle wash facilities. Not less than 50 percent of the water used for the rinsing phase of the wash cycle at automated vehicle wash facilities shall be collected to be reused for the washing phase. Towel and chamois washing machines shall have high-level water cut-offs. Potable water use for automobile washing shall not exceed ~~55~~ 40 gallons (~~208~~ 151 L) per vehicle for in-bay automatic washing and 35 gallons (132.5 L) per vehicle for conveyor and express type car washing.

Exception: Bus and large commercial vehicle washing facilities.

Committee Reason: The modification was based on testimony that it is possible for in-bay automatic washing to use only 40 gallons of potable water and achieve the desired results. The remainder of the proposal was approved because it improves the water savings.

Assembly Action:

None

GEW344-11

Committee Action:

Disapproved

Committee Reason: Based on action on GEW343.

Assembly Action:

None

GEW345-11

Committee Action:

Disapproved

Committee Reason: Based on action on GEW343.

Assembly Action:

None

GEW346-11

Committee Action:

Disapproved

Committee Reason: Based upon action on GEW347.

Assembly Action:

None

GEW347-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

~~**702.19 Covers.** Heated pools and in-ground permanently installed spas shall be provided with vapor-retardant covers.~~

Committee Reason: The modification removed a requirement that is already required in IECC. The remainder of the proposal was approved as the language is already covered elsewhere in the code.

Assembly Action: **None**

GEW348-11

Committee Action: **Approved as Modified**

~~702.18 Splash troughs.~~ Swimming pool splash troughs that are located within 36 inches of a pool edge shall discharge to the pool water system. ~~Areas surrounding pools where food is consumed shall be located more than 60 inches from any pool edge and shall not drain to the pool water system.~~

Committee Reason: The modifications were made because public health codes would not allow food this close to a pool. The remainder of the proposal was approved because splash troughs outside of the pool would collect undesirable waste that would not be wanted in the pool.

Assembly Action: **None**

GEW349-11 **Withdrawn by Proponent**

GEW350-11

Committee Action: **Disapproved**

Committee Reason: While the intent of the proposal is good, the language needs to be cleaned up to change the word "trash" to perhaps "compost collection" and Item 2 needs to be changed so that it doesn't apply to residential food waste disposers.

Assembly Action: **None**

GEW351-11

Committee Action: **Approved as Submitted**

Committee Reason: The proposal reduces water usage by convection ovens.

Assembly Action: **None**

GEW352-11

Committee Action: **Disapproved**

Committee Reason: The use of the term "prohibited" along with an exception that allows use will be problematic to enforce. There should be some specific criteria about when liquid ring pumps can and cannot be used.

Assembly Action: **None**

GEW353-11

Committee Action: **Disapproved**

Committee Reason: The added language doesn't seem to be supported by the reason statement.

Assembly Action: **None**

GEW354-11

Committee Action: Disapproved

Committee Reason: This section needs to remain in the code so that hydronic systems can be regulated.

Assembly Action: None

GEW355-11

Committee Action: Disapproved

Committee Reason: The language is confusing and it is not clear as to what the proponent is trying to accomplish.

Assembly Action: None

GEW356-11

Committee Action: Disapproved

Committee Reason: The proposed language doesn't appear to be supported by the reason statement. This subject should be located in the International Mechanical Code.

Assembly Action: None

GEW357-11

Committee Action: Disapproved

Committee Reason: The proposed language should be placed in the International Mechanical Code and not in this code.

Assembly Action: None

GEW358-11

Committee Action: Disapproved

Committee Reason: While the intent of the proposed language is good, having to "perform cost benefit calculations" is ambiguous as any payback period could be selected to justify a method. The proposal would be better without the last sentence.

Assembly Action: None

GEW359-11

Committee Action: Disapproved

Committee Reason: Based upon action on GEW361.

Assembly Action: None

GEW360-11

Committee Action: Disapproved

Committee Reason: Based upon action on GEW361.

Assembly Action: None

GEW361-11

Committee Action: Approved as Submitted

Committee Reason: Condensate should be used as a nonpotable water source.

Assembly Action: None

GEW362-11

Committee Action: Approved as Submitted

Committee Reason: The elimination of the method of once- through cooling will reduce water usage.

Assembly Action: None

GEW363-11

Committee Action: Disapproved

Committee Reason: The location of cooling towers, evaporative condensers and fluid coolers is a subject covered by the International Building Code.

Assembly Action: None

GEW364-11

Committee Action: Disapproved

Committee Reason: The proposal unfairly limits designer choices for evaporative cooling and might result in a restraint of trade problem.

Assembly Action: None

GEW365-11

Committee Action: Approved as Submitted

Committee Reason: The proposal aligns the IgCC to be consistent with United States Green Building Council methodology.

Assembly Action: None

GEW366-11

Committee Action: Disapproved

Committee Reason: Based upon action on GEW365.

Assembly Action: None

GEW367-11

Committee Action:

Approved as Submitted

Committee Reason: The proposal provides for reasonable requirements concerning evaporative cooling water and will result in water savings.

Assembly Action:

None

GEW368-11

Committee Action:

Disapproved

Committee Reason: Water usage by HVAC systems is addressed elsewhere in the code.

Assembly Action:

None

GEW369-11

Committee Action:

Approved as Submitted

Committee Reason: The proposal corrects the terminology for compliance of water softeners to the standard.

Assembly Action:

None

GEW370-11

Committee Action:

Approved as Submitted

Committee Reason: The proposal corrects the terminology for compliance of reverse osmosis treatment systems to the standard.

Assembly Action:

None

GEW371-11

Committee Action:

Disapproved

Committee Reason: The standard is not yet published. It is unclear what types of building that the terms residential and commercial are including.

Assembly Action:

None

GEW372-11

Committee Action:

Disapproved

Committee Reason: Water fountains with potable water can use a significant amount of water so the penalty of requiring another projective elective is justified.

Assembly Action:

None

GEW373-11

Committee Action:

Disapproved

Committee Reason: Flow sensors are not as accurate as water meters.

Assembly Action:

None

GEW374-11

Committee Action:

Disapproved

Committee Reason: The capability of remote reading of meters is necessary to make it easier to get the data for checking the building performance.

Assembly Action:

None

GEW375-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

705.2 Metering. Water consumed from any source associated with the *building* or *building site* shall be *metered*. Each *potable* and reclaimed source of water, and each on-site non-potable water source, shall be *metered* separately. *Meters* shall be installed in accordance with the requirements of the *International Plumbing Code*. Each *meter* shall be capable of communicating water consumption data remotely and at a minimum, be capable of providing daily data with electronic data storage and reporting capability that can produce reports that show daily, monthly, and annual water consumption ~~so that information can be generated from the metering system to alert personnel of operational problems such as leaks.~~

Committee Reason: The modification eliminates language that is more suitable for a commentary publication. The remainder of the proposal was approved because it clarifies that all sources of water need to be metered.

Assembly Action:

None

GEW376-11

Committee Action:

Disapproved

Committee Reason: There is no indication that the laws in the cases cited in the reason statement have anything to do with intent of the IgCC.

Assembly Action:

None

GEW377-11

Committee Action:

Disapproved

Committee Reason: The proponent requested disapproval in order to rework the language of the proposal in public comment.

Assembly Action:

None

GEW378-11

Committee Action:

Approved as Submitted

Committee Reason: There is no need to meter water for a portable spa.

Assembly Action:

None

GEW379-11

Committee Action:

Disapproved

Committee Reason: The proposed requirements are overly broad and the language is difficult to read.

Assembly Action:

None

GEW380-11

Committee Action: **Approved as Submitted**

Committee Reason: The proposed thresholds are reasonable values for including in the code.

Assembly Action: **None**

GEW381-11

Committee Action: **Approved as Submitted**

Committee Reason: The proposed thresholds are reasonable values for including in the code.

Assembly Action: **None**

GEW382-11

Committee Action: **Disapproved**

Committee Reason: Leak detection equipment requirements belong in the International Plumbing Code.

Assembly Action: **None**

GEW383-11

Committee Action: **Disapproved**

Committee Reason: The proposed standard references codes and standards that will conflict with the I-codes.

Assembly Action: **None**

GEW384-11

Committee Action: **Disapproved**

Committee Reason: The proposed standard references codes and standards that will conflict with the I-codes.

Assembly Action: **None**

GEW385-11

Committee Action: **Approved as Submitted**

Committee Reason: Chapter 1 already has the requirements for permitting.

Assembly Action: **None**

GEW386-11

Committee Action: **Approved as Submitted**

Committee Reason: It is unclear what this code section is trying to achieve. Enforcement will be difficult if not impossible.

Assembly Action: **None**

GEW387-11

Committee Action: Disapproved

Committee Reason: The proposed standard was not received or made available to the committee members.

Assembly Action: None

GEW388-11

Committee Action: Disapproved

Committee Reason: The proponent requested disapproval in order to rework the language of the proposal in public comment.

Assembly Action: None

GEW389-11

Committee Action: Disapproved

Committee Reason: There is not a need to have general references to other I-codes. Those codes already apply.

Assembly Action: None

GEW390-11

Committee Action: Disapproved

Committee Reason: There are some surface materials that would be undesirable for water collection systems. The code official needs the authority for approving surface materials.

Assembly Action: None

GEW391-11

Committee Action: Disapproved

Committee Reason: Rainwater from vehicle parking areas or pedestrian walking surfaces could contain many contaminantst that would be problematic for any use other than landscape irrigation.

Assembly Action: None

GEW392-11

Committee Action: Disapproved

Committee Reason: The proponent requested disapproval in order to rework the language of the proposal in public comment.

Assembly Action: None

GEW393-11

Committee Action: Disapproved

Committee Reason: The proposal addresses a unique situation for a limited area of the country such that it would be better handled by amendments to local ordinances.

Assembly Action: None

GEW394-11

Committee Action:

Disapproved

Committee Reason: The committee would like to see this proposal brought back in public comment to change the wording of the code section to be more in alignment with the language that the Texas rainwater guidelines use.

Assembly Action:

None

GEW395-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

707.12.3 Roof gutters and downspouts. Gutters and downspouts shall be constructed of materials that are compatible with the collection surface and the *rainwater* quality for the desired end use. Joints shall be made water-tight. Where the collected *rainwater* is to be used for *potable* applications, gutters, downspouts, flashing and joints shall be constructed of materials *approved* for drinking water applications, ~~consistent with NSF 61 and shall not cause levels of copper or other metals to be in excess of the human consumption standards of the jurisdiction.~~

Committee Reason: The modification eliminated unnecessary language as the sentence already requires that materials be approved for drinking water applications. The remainder of the proposal was approved because flashings and joints need to also be approved for drinking water applications as some methods of flashing and jointing could be unsuitable for the application.

Assembly Action:

None

GEW396-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

707.12.3.1 Slope. Roof gutters, leaders, and *rainwater* collection piping shall slope continuously toward collection inlets. Gutters ~~and downspouts~~ shall have a slope of not less than 1/8 inch per foot along their entire length, and shall not permit the collection or pooling of water at any point.

Exception: Siphonic drainage systems installed in accordance with the manufacturer's installation instructions shall not be required to have slope.

Committee Reason: The modification was made to address horizontal sections of downspouts. The remainder of the text was approved as the deletions were reasonable improvements to the language to improve clarity.

Assembly Action:

None

GEW397-11

Committee Action:

Disapproved

Committee Reason: "Approved for drinking water applications" covers all types of undesirable materials without the need to specifically call out a prohibition against lead materials.

Assembly Action:

None

GEW398-11

Committee Action:

Disapproved

Committee Reason: Based upon action on GEW396, gutters need to be sloped to prevent stagnant pools of water.

Assembly Action:

None

GEW399-11

Committee Action:

Disapproved

Committee Reason: Roof washers need to have a standard, but until a standard is available, this language needs to stay in the code.

Assembly Action:

None

GEW400-11

Committee Action:

Approved as Submitted

Committee Reason: The proposal provides a needed standard for controlling the amount of chlorine used for disinfection.

Assembly Action:

None

GEW401-11

Committee Action:

Disapproved

Committee Reason: NSF 51 is a food equipment standard which is an inappropriate standard to reference. Three way valves can be problematic and are really not necessary. Section 707.12.6.2 is unnecessary as the plumbing code already provides for protection against backflow for potable water connections.

Assembly Action:

None

GEW402-11

Committee Action:

Disapproved

Committee Reason: Discussion of onsite energy storage tanks is not appropriate for a section concerning rainwater. A definition is needed for onsite energy storage tanks.

Assembly Action:

None

GEW403-11

Committee Action:

Approved as Submitted

Committee Reason: Fiberglass tanks are commonly used in the industry and should be included.

Assembly Action:

None

GEW404-11

Committee Action:

Approved as Submitted

Committee Reason: The NSF 61 standard is appropriate for tanks. The plumbing code does not have any requirements concerning tanks.

Assembly Action:

None

GEW405-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

707.12.7.2 Materials. Where water is collected onsite, it shall be collected in an *approved* tank constructed of durable, nonabsorbent and corrosion –resistant materials. Storage vessels shall be compatible with the material being stored ~~and shall be NSF compliant~~. Where collected water is to be treated to *potable* water standards, tanks shall be constructed of materials in accordance with the *International Plumbing Code*. Storage Tanks shall be constructed of materials compatible with the type of disinfection system used to treat water upstream of the tank used to maintain water quality within the tank.

Committee Reason: The modification was made because requiring storage vessels to be NSF compliant might be a restriction of trade. The remainder of the proposal was approved because if stored water is to be treated to potable water standards, the exposure of the water to unknown substances that have been contact with recycled materials would be a safety concern.

Assembly Action:

None

GEW406-11

Committee Action:

Disapproved

Committee Reason: Tanks should not be made of recycled materials as the recycled materials could contain contaminants that might leach into the stored water.

Assembly Action:

None

GEW407-11

Committee Action:

Disapproved

Committee Reason: The standards to be added should be added to the plumbing code and not this code.

Assembly Action:

None

GEW408-11

Committee Action:

Disapproved

Committee Reason: Tanks should be approved by code official to make sure that tanks are suitable for the intended purpose.

Assembly Action:

None

GEW409-11

Committee Action:

Approved as Submitted

Committee Reason: Striking the language from the code keeps the code focused on the green aspect of this code. The language is more appropriate for the building code.

Assembly Action:

None

GEW410-11

Committee Action:

Disapproved

Committee Reason: These code sections should not be in this code, therefore, the committee see no need to approve the proposed changes.

Assembly Action:

None

GEW411-11

Committee Action: Disapproved

Committee Reason: Based upon action on GEW409.

Assembly Action: None

GEW412-11

Committee Action: Disapproved

Committee Reason: This language belongs in the building code.

Assembly Action: None

GEW413-11

Committee Action: Disapproved

Committee Reason: The language appears to be proprietary to one manufacturer.

Assembly Action: None

GEW414-11

Committee Action: Disapproved

Committee Reason: Structural support language is more appropriate for the building code.

Assembly Action: None

GEW415-11

Committee Action: Approved as Submitted

Committee Reason: There are multiple ways to fill a storage tanks with makeup water. It is not necessary to have a hard piped makeup water supply line to a tank.

Assembly Action: None

GEW416-11

Committee Action: Approved as Submitted

Committee Reason: The added language is consistent with the requirements of other codes.

Assembly Action: None

GEW417-11

Committee Action: Approved as Submitted

Committee Reason: A trap on the overflow pipe can dry out so the overflow needs to be protected in some other way to prevent the entry of vermin and insects into the tank.

Assembly Action: None

GEW418-11

Committee Action: Disapproved

Committee Reason: The 22 inch dimension might conflict with OSHA requirements.

Assembly Action: None

GEW419-11

Committee Action: Disapproved

Committee Reason: Based upon action on GEW418.

Assembly Action: None

GEW420-11

Committee Action: Approved as Submitted

Committee Reason: Gasketing and bolting is not necessarily the only way to prevent water infiltration.

Assembly Action: None

GEW421-11

Committee Action: Disapproved

Committee Reason: The proponent's reason statement did not provide sufficient support for removing the existing language.

Assembly Action: None

GEW422-11

Committee Action: Disapproved

Committee Reason: There can be other methods for draining an underground tank.

Assembly Action: None

GEW423-11

Committee Action: Approved as Submitted

Committee Reason: The added language clarifies the various ways that a tank can be drained.

Assembly Action: None

GEW424-11

Committee Action: Approved as Submitted

Committee Reason: Cleanouts should not be covered in this code as the plumbing code already covers cleanouts.

Assembly Action: None

GEW425-11

Committee Action:

Approved as Submitted

Committee Reason: Labeling for the location of the upstream bypass valve is unnecessary as it should be intuitively obvious.

Assembly Action:

None

GEW426-11

Committee Action:

Approved as Submitted

Committee Reason: The language is not needed as it would be rare that any maintenance on a rainwater storage tank would be performed while it was raining.

Assembly Action:

None

GEW427-11

Committee Action:

Disapproved

Committee Reason: The proposal GEW-428 is preferred over this proposal.

Assembly Action:

None

GEW428-11

Committee Action:

Disapproved

Committee Reason: The proponent requested disapproval in order to rework the language of the proposal in public comment.

Assembly Action:

None

GEW429-11

Committee Action:

Disapproved

Committee Reason: The whole canale drain concept should be brought together in one package and resubmitted in the next code cycle.

Assembly Action:

None

GEW430-11

Committee Action:

Approved as Submitted

Committee Reason: Action inconsistent with prior actions on proposals dealing with listing and labeling.

Assembly Action:

None

GEW431-11

Committee Action:

Approved as Submitted

Committee Reason: The language is overly prescriptive and unnecessary.

Assembly Action:

None

GEW432-11

Committee Action:

Approved as Submitted

Committee Reason: Such alarms are unnecessary in some applications.

Assembly Action:

None

GEW433-11

Committee Action:

Disapproved

Committee Reason: The proposal needs to have more metrics as to what the health standards should be.

Assembly Action:

None

GEW434-11

Committee Action:

Disapproved

Committee Reason: Approval of this proposal would be inconsistent with the action taken on GEW433.

Assembly Action:

None

GEW435-11

Committee Action:

Disapproved

Committee Reason: Many of the struck out items are not covered in the plumbing code so the language needs to stay in the IgCC.

Assembly Action:

None

GEW436-11

Committee Action:

Disapproved

Committee Reason: The language of Item 3 is not clear such that the intent is not understood. A future proposal (GEW439-11) eliminates the confusing language and is preferred.

Assembly Action:

None

GEW437-11

Committee Action:

Disapproved

Committee Reason: The proposal is specific to only one type of tank.

Assembly Action:

None

GEW438-11

Committee Action:

Disapproved

Committee Reason: Allowing the use of manufacturer's installation instructions essentially allows the manufacturers to write their own code. The language needs to stay in the code to prevent this from occurring.

Assembly Action:

None

GEW439-11

Committee Action:

Approved as Submitted

Committee Reason: The proposed language is much clearer as to the intent of what needs to be accomplished when testing storage tanks.

Assembly Action:

None

GEW440-11

Committee Action:

Approved as Submitted

Committee Reason: The proposal provides necessary information about rainwater quality and an appropriate standard for assessing rainwater quality.

Assembly Action:

None

GEW441-11

Committee Action:

Approved as Submitted

Committee Reason: The standards are important to have in the code in order for rainwater to be properly assessed.

Assembly Action:

None

GEW442-11

Committee Action:

Disapproved

Committee Reason: Legionella is normally found in rainwater so all rainwater would be determined to be unsuitable.

Assembly Action:

None

GEW443-11

Committee Action:

Disapproved

Committee Reason: All sizes of graywater systems need to be covered by the IgCC.

Assembly Action:

None

GEW444-11

Committee Action:

Disapproved

Committee Reason: Treatment systems are covered by the plumbing code and Section 704.3 does not exist in this code.

Assembly Action:

None

GEW445-11

Committee Action: Disapproved

Committee Reason: This proposed information is already covered by the plumbing code.

Assembly Action: None

GEW446-11

Committee Action: Approved as Submitted

Committee Reason: Action is consistent with a prior proposal. Fiberglass is an appropriate material for storage tanks.

Assembly Action: None

GEW447-11

Committee Action: Disapproved

Committee Reason: It is inappropriate to allow the level in the tank to drop below the level of the graywater inlet.

Assembly Action: None

GEW448-11

Committee Action: Approved as Submitted

Committee Reason: The tank contents should be agitated to prevent sludge build up in the tank.

Assembly Action: None

GEW449-11

Committee Action: Disapproved

Committee Reason: Outlets should not be on the bottom of the tank.

Assembly Action: None

GEW450-11

Committee Action: Disapproved

Committee Reason: It doesn't matter how long it takes for a tank to drain.

Assembly Action: None

GEW451-11

Committee Action: Disapproved

Committee Reason: The language could possibly cause a restraint of trade.

Assembly Action: None

GEW452-11

Committee Action:

Approved as Submitted

Committee Reason: It is not necessary to have multiple backwater valves when in some cases one is sufficient.

Assembly Action:

None

GEW453-11

Committee Action:

Approved as Submitted

Committee Reason: Leaving distribution piping material requirements to the International Plumbing Code is appropriate.

Assembly Action:

None

GEW454-11

Committee Action:

Approved as Submitted

Committee Reason: Tanks are tested by the tank manufacturer. Tanks are not designed to be pressure vessels such that they could be included in the pressure tests required by the plumbing code.

Assembly Action:

None

GEW455-11

Committee Action:

Disapproved

Committee Reason: The code needs to be specifying the testing requirements for tanks, not the manufacturers of the tanks.

Assembly Action:

None

GEW456-11

Committee Action:

Approved as Submitted

Committee Reason: The ASTM standard is a good start for controlling how onsite reclaimed water systems should be designed.

Assembly Action:

None

GEW457-11

Committee Action:

Approved as Submitted

Committee Reason: It is appropriate to allow local laws to control the quality requirements for treatment of wastewater.

Assembly Action:

None

GEW458-11

Committee Action: Disapproved

Committee Reason: It is not necessary to repeat requirements already indicated in other codes.

Assembly Action: None

GEW459-11

Committee Action: Disapproved

Committee Reason: This is a requirement that should be placed in the fire code.

Assembly Action: None

GEW460-11

Committee Action: Disapproved

Committee Reason: Any type of nonpotable water is not suitable for a fire sprinkler system.

Assembly Action: None

GEW461-11

Committee Action: Approved as Submitted

Committee Reason: The proposal makes it clear that the only suitable nonpotable water for a sprinkler system is rainwater.

Assembly Action: None

GEW462-11

Committee Action: Approved as Submitted

Committee Reason: Action consistent with the action on GEW461.

Assembly Action: None

GEW463-11

Committee Action: Disapproved

Committee Reason: There are no parameters for how much more efficient a hot water delivery system needs to be.

Assembly Action: None

GEW464-11

Committee Action: Disapproved

Committee Reason: The manufacturers of cooling towers already specify the requirements for makeup water based upon the materials of construction used.

Assembly Action: None

GEW465-11

Committee Action:

Approved as Submitted

Committee Reason: Multiple on-site water sources should be recognized so as to broaden the use of nonpotable waters.

Assembly Action:

None

GEW466-11

Committee Action:

Disapproved

Committee Reason: Action based on action taken on GEW457. The language of GEW457 is preferred.

Assembly Action:

None

GEW467-11

Committee Action:

Disapproved

Committee Reason: The current language is clear. Bringing the reference design into this scenario brings no value.

Assembly Action:

None

GEW468-11

Committee Action:

Disapproved

Committee Reason: This is unnecessary as it is already addressed in Table 302.1, which already has a yes or no box.

Assembly Action:

None

GEW469-11

Committee Action:

Disapproved

Committee Reason: Metering is already addressed in the body of the code and any revisions to metering should be made to Chapter 7, not this appendix.

Assembly Action:

None

GEW470-11

Committee Action:

Disapproved

Committee Reason: To be consistent with previous committee actions on GG34-11 Pt V, GEW102-11, GEW159-11 and GEW169-11, which disapproved proposals which included the same ashrae standards which are referenced in this proposal.

Assembly Action:

None

GEW471-11

Committee Action:

Disapproved

Committee Reason: This proposal makes the code less stringent. The language in Chapter 6 refers to the building envelope while this proposal refers to the assembly, which sets up a two-tier approach, one for new

buildings and another for existing buildings, which could be confusing. The only way this could be applied is where the insulation was exposed, which is awkward for existing buildings. This proposal should have pointed out how it differs from the requirements in the IECC.

Assembly Action:

None

GEW472-11

Withdrawn by Proponent

IgCC – General Provisions Committee
(Chapters 1 - 5, 8 – Appendices)

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<p>INTERNATIONAL GREEN CONSTRUCTION CODE COMMITTEE – GENERAL HEARING RESULTS</p>

GG1-11

Committee Action: Disapproved

Committee Reason: To be consistent with committee action on GG7-11.

Assembly Action: None

GG2-11

PART I

Committee Action: Disapproved

Committee Reason: Low-rise residential should be addressed separately. The code already contains requirements for alternative methods and alternative residential paths would only add confusion.

Assembly Action: None

PART II Withdrawn by Proponent

PART III Withdrawn by Proponent

PART IV Withdrawn by Proponent

PART V Withdrawn by Proponent

PART VI Withdrawn by Proponent

PART VII Withdrawn by Proponent

PART VIII Withdrawn by Proponent

PART IX Withdrawn by Proponent

GG3-11

Committee Action: Approved As Submitted

Committee Reason: This proposal adds clarity and points out the IgCC's unique characteristics.

Assembly Action: None

GG4-11

Committee Action: Disapproved

Committee Reason: The concepts addressed in this proposal are already covered in the IgCC and this proposal would only add confusion.

Assembly Action: None

GG5-11

Committee Action:

Disapproved

Committee Reason: There are many problems with this proposal. Among them, the term "small scale" is too subjective; all new construction should comply with the IgCC; only previously approved buildings should be considered with regard to relocated buildings; and there are site implications when relocating buildings which must be addressed.

Assembly Action:

None

GG6-11

Committee Action:

Disapproved

Committee Reason: Size should not matter. It may be acceptable to fine tune the exceptions, but a blanket exception based on size is not acceptable.

Assembly Action:

None

GG7-11

Committee Action:

Approved as Submitted

Committee Reason: This proposal helps align the IgCC with other I-Codes.

Assembly Action:

None

GG8-11

Committee Action:

Disapproved

Committee Reason: The code's provisions for alternative materials and methods already address the proposed concept.

Assembly Action:

None

GG9-11

Committee Action:

Approved as Submitted

Committee Reason: This proposal clarifies the code.

Assembly Action:

None

GG10-11

Committee Action:

Disapproved

Committee Reason: Any other green building program or standard can be addressed under the IgCC's provisions for alternative materials, design and methods. It is important to separate ICC-700 from the IgCC and make a clear distinction between the two.

Assembly Action:

None

GG11-11

Committee Action:

Diapproved

Committee Reason: The concepts in this proposal are already addressed by the codes that the IgCC overlays.

Assembly Action:

None

GG12-11

Committee Action: Disapproved

Committee Reason: To be consistent with previous committee action on GG2-11 and GG7-11.

Assembly Action: None

GG13-11

Committee Action: Disapproved

Committee Reason: The term is defined by performance metrics rather than words.

Assembly Action: None

GG14-11

Committee Action: Disapproved

Committee Reason: To be consistent with previous committee action on GG135-11.

Assembly Action: None

GG15-11

Committee Action: Disapproved

Committee Reason: These items should not be excluded and should be addressed in Chapter 6, not Chapter 1.

Assembly Action: None

GG16-11

Committee Action: Disapproved

Committee Reason: Although specific exceptions might be in order, the application of green building should not be limited based on building size. This would only inhibit market penetration.

Assembly Action: None

GG17-11

Committee Action: Approved as Submitted

Committee Reason: This proposal clarifies the code.

Assembly Action: None

GG18-11

Committee Action: Disapproved

Committee Reason: This expands the scope and the proposed list could change over time. This intent of the IgCC is more in line with the original language.

Assembly Action: None

GG19-11

Committee Action:

Approved as Submitted

Committee Reason: Striking the word “effective” reduces ambiguity. The items proposed for deletion are already addressed in the code under alternative materials and methods of construction.

Assembly Action:

None

GG20-11

Committee Action:

Disapproved

Committee Reason: This question is typically addressed by the jurisdiction and, therefore, it is not necessary to address it in the code.

Assembly Action:

None

GG21-11

Committee Action:

Disapproved

Committee Reason: A reference to a firm foundation of specific codes is assumed by other provisions and must be included here to ensure that the foundation is provided.

Assembly Action:

None

GG22-11

Committee Action:

Disapproved

Committee Reason: Nothing in the IgCC will override health safety concerns.

Assembly Action:

None

GG23-11

Committee Action:

Disapproved

Committee Reason: The IECC does not include development and use of building sites. The language in this proposal is not consistent with the proponent’s reason statement.

Assembly Action:

None

GG24-11

Committee Action:

Disapproved

Committee Reason: Modular buildings may have their place, but the IBC or IgCC Chapter 10 may more appropriately be that place.

Assembly Action:

None

GG25-11

Committee Action:

Disapproved

Committee Reason: These provisions are important and are worth repeating in the IgCC.

Assembly Action:

None

GG26-11

Committee Action:

Approved as Submitted

Committee Reason: The text proposed for deletion is already addressed in other sections of the codes.

Assembly Action:

None

GG27-11

Committee Action:

Disapproved

Committee Reason: These issues are addressed in other sections of the code and, as proposed, are too broad. Evaluation of used structural members by a design professional without testing may not be a good idea.

Assembly Action:

None

GG28-11

Committee Action:

Disapproved

Committee Reason: The idea is important, but the language need work. This information does not belong in this code. As soon as equipment is altered, it loses its listing and needs to be re-listed before it can be used again.

Assembly Action:

None

GG29-11

Committee Action:

Disapproved

Committee Reason: The existing code text is not in conflict with the International Fire Code. Furthermore, Section 503.2.1 addresses materials only, while Section 105.2.1 addresses equipment and other items.

Assembly Action:

None

GG30-11

Committee Action:

Disapproved

Committee Reason: The concepts proposed for deletion are critical for the IgCC. For example, it is important that the IgCC specifically address alternative materials and methods of construction.

Assembly Action:

None

GG31-11

Committee Action:

Disapproved

Committee Reason: To be consistent with prior committee action on GG21-11.

Assembly Action:

None

GG32-11

Committee Action:

Approved as Submitted

Committee Reason: The IgCC is an overlay code and the information proposed for deletion is already contained in other codes that are referenced in the IgCC.

Assembly Action:

None

GG33-11

Committee Action:

Disapproved

Committee Reason: This is a valid concept, but leaves too many open questions. We do not want to mandate post occupancy commissioning.

Assembly Action:

None

GG34-11

PART I

Committee Action:

Disapproved

Committee Reason: Many of this proposal's concepts have been addressed by previous committee action. Proposed new Section 1056.6 is redundant with existing Section 105.4.

Assembly Action:

None

PART II

Committee Action:

Disapproved

Committee Reason: Eliminating Chapter 3 would provide less guidance and flexibility for jurisdictions.

Assembly Action:

None

PART III

Committee Action:

Disapproved

Committee Reason: The committee felt that the proposal was too complex to approve. While there are some good concepts within the proposal, it also would eliminate important provisions. The committee urged the proposal be broken up into smaller proposals.

Assembly Action:

None

PART IV

Committee Action:

Disapproved

Committee Reason: The proponent recommended disapproval.

Assembly Action:

None

PART V

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because standard OG-300 is a certification for water heating equipment and was never submitted for review by ICC staff. The proposed code change should have been written and submitted in multiple parts for each section of the code. It needs additional work regarding roofing, lighting, conditioned spaces, and cooling regarding 10% lower UA alternative so that it is understandable by code officials.

Assembly Action:

None

PART VI

Committee Action:

Disapproved

Committee Reason: Approval of this proposal will be sending conflicting information to final action hearing as actions on many previous proposals would be inconsistent with what this proposal is attempting to do. The rainwater portion of the proposal was oversimplified.

Assembly Action:

None

PART VII

Committee Action:

Disapproved

Committee Reason: The proposal needs to be revisited in the public comment process after it has been coordinated and revised based on the numerous revisions recommended in the other Chapter 8 proposals.

Assembly Action:

None

PART VIII

Committee Action:

Disapproved

Committee Reason: The proponent recommended disapproval; to be consistent with previous committee action on GG693-11, GG694-11 and GG34 Parts I, II, III and IV.

Assembly Action:

None

PART IX

Committee Action:

Disapproved

Committee Reason: Increasing the performance of existing buildings is key to reducing greenhouse gas emissions and saving energy. Relegating this chapter to an appendix undermines that effort.

Assembly Action:

None

PART X

Withdrawn by Proponent

Note: GG34-11 Part X and GG760-11 are duplicate code change proposals that were inadvertently installed in the monograph. Proponent of GG34-11 will be listed as a co-proponent on GG760. The reason statement supplied by the proponent of the Part X will be installed in GG760 along with the reason statement originally published for GG760.

PART XI

Committee Action:

Disapproved

Committee Reason: This is an appendix and optional adoptive ordinance that the committees feels is important for the IgCC.

Assembly Action:

None

PART XII

Committee Action:

Disapproved

Committee Reason: The focus of the main body of the text in Chapter 6, for example, is on new buildings. This appendix gives the local jurisdiction an option to address existing buildings if they wish to. If the proponent or others think the language could be improved, specific modifications would be in order, but the option provided by this appendix should be retained.

Assembly Action:

None

PART XIII

Committee Action:

Approved as Submitted

Committee Reason: This appendix is not in useable form. It could be interpreted to be applicable to all buildings and be retroactive. It could be that some interpret this appendix as an option to hose in the body of the code and that the body of the code would not apply to existing buildings.

Assembly Action:

None

GG35-11

Committee Action:

Disapproved

Committee Reason: The committee felt that the definitions do need to be refined, but this proposal still results in inconsistency. The definition still references ASTM E1980 which was eliminated by other committee actions for Chapter 4.

Assembly Action:

None

GG36-11

Committee Action: Disapproved

Committee Reason: As with GG35, the committee agreed that the definitions need refinement, but these proposals are not the best solution. The change to the impervious surface definition was a particular concern.

Assembly Action: None

GG37-11

Committee Action: Disapproved

Committee Reason: The committee felt that adding the term green adds little for clarity to the code. There was no need at this point for these definitions as the related code change (GG300) was disapproved. There was no clear information why the definitions specify a single weight and why that single weight.

Assembly Action: None

GG38-11

Committee Action: Disapproved

Committee Reason: The proposed definition would be too restrictive. Farm land and agricultural land are not necessarily the same thing.

Assembly Action: None

GG39-11

Withdrawn by Proponent

GG40-11

Withdrawn by Proponent

GG41-11

Committee Action: Disapproved

Committee Reason: The committee disapproved this proposed code change because the addition of the word site in the definition for annual net energy performance (ANEP) was unnecessary.

Assembly Action: None

GG42-11

Committee Action: Disapproved

Committee Reason: The committee disapproved this proposed code change because the definition of appliance is in the *International Mechanical Code*.

Assembly Action: None

GG43-11

Committee Action: Approved as Submitted

Committee Reason: This proposal expands the definition of approved agency to include inspection services, which is sometimes necessary for application of Chapter 9.

Assembly Action: None

GG44-11

Committee Action:

Disapproved

Committee Reason: The committee was concerned that the 5 referenced standards will conflict with how floor area is determined in the IBC and other codes.

Assembly Action:

None

GG45-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because the terms defined are not used in the code.

Assembly Action:

None

GG46-11

Committee Action:

Disapproved

Committee Reason: The "other" types of bales that might be intended to be addressed have not been made clear.

Assembly Action:

None

GG47-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

ENERGY MANAGEMENT AND CONTROL SYSTEM, BUILDING (EMCS). A computerized, intelligent network of electronic devices, designed to automatically monitor and control the energy using systems in a building.

(Portions of code change not shown remain unchanged.)

Committee Reason: The committee approved this proposed code change as modified because 'energy management and control system, building (EMCS)' is used in the code presently. Therefore, the code change proposal was modified to retain definition of EMCS. However, the term 'building management system (BMS)' is not presently used in the code.

Assembly Action:

None

GG48-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

BROWNFIELD. A site documented as contaminated by means of an ASTM E1903 Phase II Environmental Site Assessment or a site classified as a brownfield by a local, state, or federal government agency. the expansion, redevelopment or reuse of which would be required to address the presence or potential presence of a hazardous substance, pollutant or contaminant. Brownfield sites include:

1. EPA recognized brownfield sites as defined in Public Law 1007-118 (H.R. 2869)"Small Business Liability Relief and Brownfield Revitalization Act", 40CFR, Part 300; and
2. Sites determined to be contaminated according to local or state regulation.

ASTM

E1903-(97)2002 Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process

Committee Reason: The modification improves the proposal and results in a clearer definition of how a site can be designated as a brownfield.

Assembly Action:

None

GG49-11

Withdrawn by Proponent

GG50-11

Committee Action:

Approved as Submitted

Committee Reason: The revisions provide clarification to the definition. The committee expects that there is further improvements that can be done to the surface water protection section which may include further improvements to the definition of buffer.

Assembly Action:

None

GG51-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because it was not enforceable. Also, the carbon dioxide equivalent for a gas in the definition was questioned by the committee.

Assembly Action:

None

GG52-11

Committee Action:

Approved as Submitted

Committee Reason: The committee approved this proposed code change because the definition of CO₂ emissions is used in many codes and standards. Also, the 100- year time horizon for global warming potential is necessary to align with EPA terminology.

Assembly Action:

None

GG53-11

Committee Action:

Approved as Submitted

Committee Reason: Provides for an improved definition that includes graywater piping.

Assembly Action:

None

GG54-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action:

None

GG55-11

Committee Action:

Approved as Submitted

Committee Reason: The change simplifies the definition. It is not essential that the process by which conservation areas are designated be specified in the code. Conservation areas might be designated by state or federal processes which are not necessarily community processes.

Assembly Action:

None

GG56-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW191-11.

Assembly Action:

None

GG57-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW191-11.

Assembly Action:

None

GG58-11

Number Not Used

GG59-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action:

None

GG60-11

Committee Action:

Committee Reason: Based on previous committee action on GG104-11.

Assembly Action:

None

GG61-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because the definitions of demand response, automated (AUTO-DR) and demand response, automation internet software needed more work as they were not readily understood.

Assembly Action:

None

GG62-11

Committee Action:

Approved as Submitted

Committee Reason: The committee approved this proposed code change because it was written in code language and was enforceable.

Assembly Action:

None

GG63-11

Committee Action:

Disapproved

Committee Reason: This definition was addressed by GG64-11.

Assembly Action:

None

GG64-11

Committee Action:

Approved as Submitted

Committee Reason: These terms are used in the code and need to be defined.

Assembly Action:

None

GG65-11

Committee Action:

Approved as Submitted

Committee Reason: Eliminates unnecessary language.

Assembly Action:

None

GG66-11

Committee Action:

Approved as Submitted

Committee Reason: Laundry lists of various types of distribution piping within a definition are not necessary.

Assembly Action:

None

GG67-11

Committee Action:

Approved as Submitted

Committee Reason: The committee approved this proposed code change because the term 'feeder conductors' is used in the code and the definition proposed is appropriate for the use of the term in this code..

Assembly Action:

None

GG68-11

Committee Action:

Approved as Submitted

Committee Reason: The committee approved this proposed code change because the term 'fenestration' is used in the code and the definition proposed is appropriate for the use of the term in this code.

Assembly Action:

None

GG69-11

Committee Action:

Approved as Submitted

Committee Reason: It is necessary to distinguish between factory-built fireplaces.

Assembly Action:

None

GG70-11

Committee Action:

Approved as Submitted

Committee Reason: The change is editorial in nature and provides consistency with the definitions in the *International Building Code*.

Assembly Action:

None

GG71-11

Committee Action:

Disapproved

Committee Reason: Based on the approval of GG170 which clarifies the regulation in flood hazard areas, the committee felt this change was unnecessary.

Assembly Action:

None

GG72-11

Committee Action:

Approved as Submitted

Committee Reason: The term "freeboard" is no longer used in the IgCC.

Assembly Action:

None

GG73-11

Committee Action:

Disapproved

Committee Reason: The proposed definition is too narrow.

Assembly Action:

None

GG74-11

Committee Action:

Disapproved

Committee Reason: This proposed code change was disapproved by the committee because the committee preferred the definition of global warming potential (GWP) offered in proposed code change GG75-11.

Assembly Action:

None

GG75-11

Committee Action:

Approved as Submitted

Committee Reason: This proposed code change was approved by the committee because the term 'global warming potential (GWP)' is used in the code and the definition proposed is appropriate for the use of the term in this code. The committee agreed that the reference to the 100 year time horizon is necessary for agreement with EPA regulations.

Assembly Action:

None

GG76-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because 'ground source or geoechange' is not used in the code.

Assembly Action:

None

GG77-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because 'ground source energy' is not used in the code.

Assembly Action:

None

GG78-11

Withdrawn by Proponent

GG79-11

Committee Action:

Disapproved

Committee Reason: While there was support for the concept of adding a definition of heat island, the one proposed is seriously flawed. Heat island isn't limited to urban areas. It may be appropriate for the definition to include the causes, or materials which contribute to heat island effects.

Assembly Action:

None

GG80-11

Committee Action:

Approved as Submitted

Committee Reason: The change provides consistency with commonly used terms and eliminates portions of the definition that are unenforceable.

Assembly Action:

None

GG81-11

Committee Action:

Disapproved

Committee Reason: The committee concluded that the term is not only used in the code, but the definition is necessary for understanding the regulation.

Assembly Action:

None

GG82-11

Committee Action:

Disapproved

Committee Reason: There is conflicting information within the proposal. The committee was specifically concerned that indigenous species could be classified as invasive. Reform of these definitions is needed, but this proposal isn't the correct fix. The committee hoped someone would add a definition of adaptive species.

Assembly Action:

None

GG83-11

Committee Action:

Disapproved

Committee Reason: There is no need to be held to the ISO definition. The existing definition is broader and more suited to the goals of the IgCC.

Assembly Action:

None

GG84-11

Committee Action:

Approved as Submitted

Committee Reason: The current definition is limited to spelling out the words of the acronym without stating the purpose of the term.

Assembly Action:

None

GG85-11

Committee Action:

Disapproved

Committee Reason: Definition in GG86 is preferred.

Assembly Action:

None

GG86-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

METER. A volume measuring device used to collect data and indicate usage abnormalities. Such devices are provided by the serving utility or the ~~building owner~~.

Committee Reason: Modification cleans up definition and eliminates commentary statement. Modified proposal is simple and concise.

Assembly Action:

None

GG87-11

Committee Action:

Disapproved

Committee Reason: Proposal attempts to make a simple concept too complicated.

Assembly Action:

None

GG88-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

~~**MODULAR CONSTRUCTION.** A design and construction process performed in an approved, controlled manufacturing facility which produces building components or modules that are constructed to be transported to a permanent building site, or may be deconstructed to be re-used or re-purposed and relocated to different building sites multiple times.~~

~~**MODULAR BUILDING.** A building built using a modular construction process in a controlled manufacturing facility where components or modules are constructed to be transported to a building site, or may be deconstructed to be re-used or re-purposed and relocated to different building sites multiple times. A modular building is inspected at the manufacturing facility, and portions of the electrical, plumbing, heating, ventilation, insulation and other service systems in the building modules are concealed at the factory after inspection, and cannot be readily re-inspected at the installation site without disassembly, damage to, or destruction of the building modules.~~

~~**RELOCATABLE (RELOCATED) MODULAR BUILDING.** A partially or completely assembled building that complies with applicable codes, or state regulations, and is constructed in a building manufacturing facility using a modular construction process. Relocatable modular buildings are and designed to be reused or repurposed multiple times and transported to different building sites.~~

Committee Reason: This definition supports prior committee action on GG706-11. The modification replaces three proposed definitions with a single modified definition to eliminate confusion.

Assembly Action:

None

GG89-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

MUNICIPAL RECLAIMED WATER. *Reclaimed water* that was treated by a municipality.

Committee Reason: Modification eliminates unnecessary words. Modified proposal improves and simplifies definition.

Assembly Action: **None**

GG90-11

Committee Action: **Approved as Submitted**

Committee Reason: The listing of native plant species needs to be vetted at a local level because only they are likely to have the knowledge of the local environment and what is native to it.

Assembly Action: **None**

GG91-11

Committee Action: **Disapproved**

The committee disapproved this proposed code change because of previous actions on proposed code change GEW9-11. The term 'Peak Net Energy Demand' does not need to be defined as it is no longer will be in the code if GEW9-11 is ultimately approved by the ICC membership.

Assembly Action: **None**

GG92-11

Committee Action: **Approved as Submitted**

Committee Reason: Pervious concrete is a term used in the code. The definition provides needed clarity for application of the related provisions.

Assembly Action: **None**

GG93-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because the term 'power conversion system (elevator)' is not used in the code.

Assembly Action: **None**

GG94-11

Committee Action: **Disapproved**

Committee Reason: The text as proposed is insufficient relative to qualifying what that capital investment requires and also the quantification of that thereof.

Assembly Action: **None**

GG95-11

Committee Action: **Approved as Submitted**

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action: **None**

GG96-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

RAINWATER. Water from natural precipitation. ~~falling on the site.~~

Committee Reason: Modification was made because the eliminated words made the definition too limiting. The modified proposal improves and simplifies the definition.

Assembly Action:

None

GG97-11

Committee Action:

Disapproved

Committee Reason: The code doesn't need another term for reclaimed water.

Assembly Action:

None

GG98-11

Committee Action:

Disapproved

Committee Reason: The original definition better captures the intent of what recyclability is in the context of Sections 503.2, 503.2.2 and 503.2.3.

Assembly Action:

None

GG99-11

Committee Action:

Disapproved

Committee Reason: This proposal adds too much complexity, creates confusion and places an additional burden on the code official which is likely to be difficult or impossible to enforce.

Assembly Action:

None

GG100-11

Committee Action:

Disapproved

Committee Reason: These terms do not need to be defined and the definitions proposed only add confusion.

Assembly Action:

None

GG101-11

Committee Action:

Disapproved

Committee Reason: A regularly occupied space does not have to be occupied by the same occupants; they can be different people.

Assembly Action:

None

GG102-11

Committee Action:

Approved as Submitted

Committee Reason: The committee approved this proposed code change because the definition of renewable energy source on site clarifies renewable, corrects the language regarding biogas, and adds technology to renewable energy sources.

Assembly Action:

None

GG103-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because small scale hydroelectric energy systems have proven to be renewable, but not large scale hydroelectric energy systems.

Assembly Action:

None

GG104-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

DECONSTRUCTION. The process of disassembling a building or structure, or portion of a building or structure, or the disconnecting of the modules of a modular building, with the intent of repurposing, reusing, recycling, or salvaging the materials, components, modules, products or assemblies produced by the deconstruction process.

DEMOLITION. The process of intentionally destroying and removing a ~~condemned~~ building or structure, or a portion thereof, that is deemed to be unfit for human use or occupancy under controlled conditions to prevent injury to pedestrians, or damage to surrounding personal or real property, and the environment.

REPURPOSE. To divert a material, product, component, a module, or a building from the waste stream for use for an application that is different than its original use or occupancy.

REUSE. To divert a material, product, component, module, or a building from the waste stream in order to use it again for a purpose that is consistent with its original use or occupancy.

Committee Reason: These definitions are worthwhile additions to the code that support existing text.

Assembly Action:

None

GG105-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because the current definition of semi-heated space is not used in the code.

Assembly Action:

None

GG106-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because the proposed revised definition does not provide improved clarity.

Assembly Action:

None

GG107-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because of previous actions with proposed code change GG106-11.

Assembly Action:

None

GG108-11

Committee Action:

Disapproved

Committee Reason: This definition was addressed by GG64-11.

Assembly Action:

None

GG109-11

Committee Action:

Approved as Submitted

Committee Reason: While the committee felt that the definition could be refined, even in its present form it provides clarity for the code.

Assembly Action:

None

GG110-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because the definitions provided specific details that were unnecessary; also previous actions on proposed code change GG111-11.

Assembly Action:

None

GG111-11

Committee Action:

Approved as Submitted

Committee Reason: The committee approved this proposed code change because the definition of skylight is needed as the term is used extensively in Chapter 6 and Section 808 of Chapter 8 in the code. The definition of 'skylights and sloped glazing' has been deleted because the definition of skylight was better in this proposed code change, and agreed with definition in I-Codes.

Assembly Action:

None

GG112-11

Committee Action:

Approved as Submitted

Committee Reason: The committee approved this proposed code change because the term 'solar heat gain coefficient' (SHGC) is used in the code and the definition proposed is appropriate for the use of the term in this code.

Assembly Action:

None

GG113-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

SOLAR PHOTOVOLTAIC EQUIPMENT-SYSTEM. Devices such as photovoltaic (PV) modules and inverters that are used to transform solar radiation into energy.

(Portions of code change not shown remain unchanged.)

Committee Reason: The committee approved this proposed code change as modified because the terms 'solar photovoltaic system' and 'solar thermal equipment' are used in the code and need to be defined.

Assembly Action:

None

GG114-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because the definition of standard reference design just referenced the minimum requirements of the 2009 *International Energy Conservation Code* and Section 603.3 of the code. It was not a good definition.

Assembly Action:

None

GG115-11

Committee Action:

Disapproved

Committee Reason: Rainwater is stormwater. The added term is not necessary.

Assembly Action:

None

GG116-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because the proponent requested disapproval.

Assembly Action:

None

GG117-11

Committee Action:

Disapproved

Committee Reason: The proposed definition is too narrow in scope and does not sufficiently describe the concept of sustainability.

Assembly Action:

None

GG118-11

Committee Action:

Disapproved

Committee Reason: The definition is too broad. Professionals and laymen need to be able to understand the definition.

Assembly Action:

None

GG119-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because the term 'vapor permeability' is not used in the code.

Assembly Action:

None

GG120-11

Committee Action:

Disapproved

Committee Reason: The proposal isn't code language in that it just provides information regarding the other codes and not a reliance on the regulations in those codes. Putting this language in the IgCC could result in attempts to use the IgCC term, vegetative roofs for applications in the IBC and IFC.

Assembly Action:

None

GG121-11

Number Not Used

GG122-11

Committee Action:

Disapproved

Committee Reason: The revision doesn't improve the code and the application of vegetative roofs. It may actually limit options for vegetative roof designs.

Assembly Action:

None

GG123-11

Committee Action:

Disapproved

Committee Reason: The current definition comes from a reliable source organization, whereas the proposed definition was crafted solely by the proponent.

Assembly Action:

None

GG124-11

Committee Action:

Disapproved

Committee Reason: Disapproval is based on the action taken on GG125.

Assembly Action:

None

GG125-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

VOLATILE ORGANIC COMPOUND (VOC). A volatile chemical compound based on carbon chains or rings that typically contain hydrogen and sometimes contain oxygen, nitrogen and other elements and that has a vapor pressure of greater than 0.1 mm of mercury at room temperature.

Committee Reason: The proposed definition is recognized in the industry among other standards and professionals. The modification adds the missing unit of measure.

Assembly Action:

None

GG126-11

Committee Action:

Disapproved

Committee Reason: There were many proposed definitions for such terms and there appears to be no consensus in the industry regarding the correct definitions.

Assembly Action:

None

GG127-11

Committee Action:

Approved as Submitted

Committee Reason: The committee approved this proposed code change because the definition of waste energy recovery can be deleted from the code as it is unclear and lacks practical use for its inclusion here. Also, it is recommended deleting the WE(Waste Energy Recovery) term from compliance equations based on previous actions on proposed code change GEW9-11.

Assembly Action:

None

GG128-11

Committee Action:

Disapproved

Committee Reason: The committee was not convinced that a definition of water budget is needed. The proposed definition is overly complex and the details in it may be more appropriately placed in a regulation, not a definition.

Assembly Action:

None

GG129-11

Withdrawn by Proponent

GG130-11

Committee Action:

Approved as Submitted

Committee Reason: The committee approved this proposed code change because the definition of wind class can be deleted as it is not used in the code.

Assembly Action:

None

GG131-11

Withdrawn by Proponent

GG132-11

Committee Action:

Approved as Submitted

Committee Reason: The committee approved this proposed code change because it clarifies zEPI and its' benchmark year.

Assembly Action:

None

GG133-11

Withdrawn by Proponent

GG134-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposed code change because of previous actions on proposed code change GEW9-11.

Assembly Action:

None

GG135-11

Committee Action:

Disapproved

Committee Reason: Because of the many differences between the IgCC and ASHRAE 189.1 and the complexity of the documents, it will be difficult for jurisdictions to familiarize themselves with and administer both sets of green and sustainable requirements.

Assembly Action:

None

GG136-11

Committee Action:

Disapproved

Committee Reason: Based on previous committee action and floor testimony on GG135-11.

Assembly Action:

None

GG137-11

Committee Action:

Disapproved

Committee Reason: Based on previous committee action and floor testimony on GG135-11 and GG136-11.

Assembly Action:

None

GG138-11

Committee Action:

Disapproved

Committee Reason: Based on prior committee action and floor testimony on GG135-11, GG136-11 and GG137-11.

Assembly Action:

None

GG139-11

Committee Action:

Disapproved

Committee Reason: There may be some good ideas in this proposal, but it would have been more palatable if it were submitted as multiple proposals to separate chapters.

Assembly Action:

None

GG140-11

Committee Action:

Disapproved

Committee Reason: Based on prior committee action and floor testimony on GG135-11, GG136-11 and GG137-11.

Assembly Action:

None

GG141-11

Committee Action:

Disapproved

Committee Reason: Although ANSI/GBI 01 has some merit, it is not yet on par with the IgCC, does not appear to be in compliance with CP-28 and is a rating tool which may not be appropriate as an alternate compliance path.

Assembly Action:

None

GG142-11

Committee Action:

Disapproved

Committee Reason: ASHRAE 189.1 has been deemed to comply with the IgCC by the ICC Board of Directors. The existing IgCC structure with regard to ASHRAE 189.1 recognizes agreements between ICC and ASHRAE. The IgCC and ASHRAE 189.1 need to be correlated and keeping the reference in the IgCC helps accomplish that.

Assembly Action:

None

GG143-11

Committee Action:

Disapproved

Committee Reason: This change is not necessary, adds confusion and should be addressed in Section 303.

Assembly Action:

None

GG144-11

Committee Action:

Approved as Submitted

Committee Reason: This proposal adds clarification.

Assembly Action:

None

GG145-11

Committee Action:

Disapproved

Committee Reason: While the intent of the proposal is good, it creates confusion due to its complexity.

Assembly Action:

None

GG146-11

Committee Action:

Disapproved

Committee Reason: Jurisdictional requirements and project electives have great merit in that they provide flexibility and encourage the consideration of some green concepts that are otherwise impossible to mandate.

Assembly Action:

None

GG147-11

Committee Action:

Disapproved

Committee Reason: This proposal should have included companion enforceable requirements in Section 407 but did not.

Assembly Action:

None

GG148-11

Committee Action:

Approved as Submitted

Committee Reason: This proposal adds clarity.

Assembly Action:

None

GG149-11

Committee Action:

Disapproved

Committee Reason: To be consistent with committee action on GG150-11.

Assembly Action:

None

GG150-11

Committee Action:

Approved as Submitted

Committee Reason: The committee was impressed with the consensus of opinion in support of this proposal by the assembly. Life Cycle Analysis is inevitable and important.

Assembly Action:

None

GG151-11

Withdrawn by Proponent

GG152-11

Committee Action:

Approved as Submitted

Committee Reason: This proposed editorial changes clarifies the code.

Assembly Action:

None

GG153-11

Committee Action:

Disapproved

Committee Reason: Process loads are needed for flexibility.

Assembly Action:

None

GG154-11

Committee Action:

Disapproved

Committee Reason: Process loads are needed for flexibility.

Assembly Action:

None

GG155-11

Committee Action:

Disapproved

Committee Reason: This proposal lacks tools or standards to measure toxicity. Furthermore, toxicity is more appropriately addressed in Chapter 8.

Assembly Action:

None

GG156-11

Committee Action:

Approved as Submitted

Committee Reason: The proposal provides a good opportunity to bring life cycle analysis for relocatable buildings into the fold.

Assembly Action:

None

GG157-11

Committee Action:

Approved as Submitted

Committee Reason: The term "specialty items" was deleted from the code text because it is not defined and adds confusion.

Assembly Action:

None

GG158-11

Withdrawn by Proponent

GG159-11

Committee Action:

Approved as Submitted

Committee Reason: The proposal adds clarification and reduces ambiguity.

Assembly Action:

None

GG160-11

Withdrawn by Proponent

GG161-11

Committee Action:

Disapproved

Committee Reason: There are some excellent ideas in this proposal, but the reduction from 20 to a 10 percent improvement is not acceptable.

Assembly Action:

None

GG162-11

Committee Action:

Disapproved

Committee Reason: Biodiversity and toxicity should be addressed, but the proposed reduction in stringency related to global warming potential is not acceptable.

Assembly Action:

None

GG163-11

Committee Action:

Disapproved

Committee Reason: This proposal conflicts with the committee action on GG150-11 and would create confusing dual or parallel tracks for life cycle assessment.

Assembly Action:

None

GG164-11

Committee Action:

Disapproved

Committee Reason: The 55 percent number is likely to be difficult to obtain and the proposal offers no substantiation for it.

Assembly Action:

None

GG165-11

Committee Action:

Disapproved

Committee Reason: This proposal is very similar to GG139-11 and GG145-11 in that the intention is excellent. However, it goes too far by tinkering with mandatory requirements that may need to be looked at in the future by a technical committee.

Assembly Action:

None

GG166-11

Committee Action:

Approved as Submitted

Committee Reason: The intent of the change is simply to reorganize the provisions currently contained in Chapter 4 of IgCC PV 2.0. The reorganization adds clarity to the provisions. The committee approved the change with the intent that all other approved changes would be placed within the organizational framework provided by this change.

Assembly Action:

None

GG167-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved the code change because the changes approved in GG168-11 addressed the issues in Section 402.2 and 402.2.1. Further, since the proposal indicated deleting a previous version of a definition, the committee felt the intent of this part of the proposal was unclear.

Assembly Action:

None

GG168-11

Committee Action:

Approved as Submitted

Committee Reason: The change reflects the intent of the section. It changes terms to be consistent with federal regulations (FEMA) limiting development in flood hazard areas.

Assembly Action:

None

GG169-11

Committee Action:

Disapproved

Committee Reason: The committee felt that the proposed change to the text of Section 402.2.1 was not needed. The committee felt that there may be merit to the intent of the exception, but wording needed to be improved to clarify its application.

Assembly Action:

None

GG170-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

402.2.1.2 Flood hazard area preservation, specific. Where this section is indicated to be applicable in Table 302.1, new buildings and structures, site disturbance, and development of land shall be prohibited within the specific *flood hazard areas* established pursuant to local land use authority ~~and listed below:~~

~~[LIST THE NAME OR OTHERWISE DELINEATE SPECIFIC FLOOD HAZARD AREAS OR IDENTIFY THE MAPS ON WHICH SPECIFIC FLOOD HAZARD AREAS ARE SHOWN]~~

402.2.1.3 Development in flood hazard areas. Development in flood hazard areas shall comply with the following:

- ~~1. New buildings and structures in flood hazard areas shall be prohibited where alternative sites outside of flood hazard areas are available.~~
2. New buildings, structures and *substantial improvements* constructed in flood hazard areas shall be in compliance with Section 1612 of the *International Building Code* provided the lowest floors are elevated or dry floodproofed to not less than one foot above the elevation required by Section 1612 of the *International Building Code*, or the elevation established by the jurisdiction, whichever is higher.

(Portions of proposal not shown remain unchanged)

Committee Reason: The proposal restores the ability of jurisdiction to decide the level of regulation of flood plain and flood hazard areas within the jurisdiction by making the section a jurisdictional option. Such was the case in PV 1.0 but not in PV 2.0. Because of the highly variable nature of flood hazard areas in various communities, the flexibility is important. Modification removed text that would have been unenforceable.

Assembly Action:

None

GG171-11

Committee Action:

Disapproved

Committee Reason: Based on the approval of GG170-11, the committee disapproved this proposal. GG170 is the preferred solution to the issues raised by both proposals.

Assembly Action:

None

GG172-11

Committee Action:

Disapproved

Committee Reason: The committee approved significant revisions to the flood hazard regulation in GG170-11. It felt that those changes are appropriate and saw no need to delete the flood plain, or flood hazard requirements.

Assembly Action:

None

GG173-11

Committee Action:

Disapproved

Committee Reason: The committee found the concept of the proposal interesting and encouraged the proponent to further explore it. The committee would have like to see more background information to justify the selection of the distances contained in the table as well as refinements of the various categories and thresholds contained in the proposal.

Assembly Action:

None

GG174-11

Committee Action:

Approved as Submitted

Committee Reason: The committee approved the additional exception to provide coordination with this existing federal program. The permits issued under the Army Corps program are required to address impacts on wetlands and the provision of mitigation, where necessary.

Assembly Action:

None

GG175-11

Committee Action:

Approved as Submitted

Committee Reason: The change provides needed flexibility to communities in addressing development in or near wetlands. The committee liked the concept of more stringent limitation on wetlands, as well as allowing other surface water protection to be a jurisdictional regulation option. While the approved text states that the buffer will be established by the jurisdiction, the committee felt the code should include a minimum buffer width.

Assembly Action:

None

GG176-11

Committee Action:

Approved as Submitted

Committee Reason: The change was approved because it brings clarity to the intent of the section by limiting development with respects to designated conservation areas.

Assembly Action:

None

GG177-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

402.2.3 Conservation area. Where this section is indicated to be applicable in Table 302.1, site disturbance or development of land within 50 feet (15 240 mm) of any designated conservation area shall not be permitted.

Exception: *Buildings* and associated site improvements located in or within 50 feet of a conservation area where the *building* and associated site improvements serve a purpose related to the conservation area as determined by the authority which designated the conservation area.

Committee Reason: The committee agreed that the exception was appropriate to allow improvements related to the conservation area. Without such an exception even related development would be prohibited. The first modification was to coordinate the new exception with the change made to the main text of Section 402.2.3 by code change GG176. The change provides consistency with other sections of 402.2.

Assembly Action:

None

GG178-11

Committee Action:

Disapproved

Committee Reason: The committee felt that making this protection mandatory in all jurisdictions was not necessary. The code needs to provide flexibility to communities regarding limiting use of land in order for each community to access local conditions, needs and community goals.

Assembly Action:

None

GG179-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved the proposal in order to maintain the flexibility within the IgCC for communities to designate conservation areas and thereby restrict development in and near such areas.

Assembly Action:

None

GG180-11

Committee Action:

Disapproved

Committee Reason: The exceptions provide sufficient clarity as to development activities which can occur in park land areas.

Assembly Action:

None

GG181-11

Committee Action:

Disapproved

Committee Reason: The committee felt the change was not appropriate because it no longer clearly contained the housing exception provided in the PV 2.0 text and the proposed exception #3 would have the effect of taking farm land out of the production of foods. In addition, the committee disagreed with the proposal which would have eliminated jurisdictional flexibility to determine whether to include this part of the IgCC in the local mandatory requirements.

Assembly Action:

None

GG182-11

Committee Action:

Disapproved

Committee Reason: The committee felt that each jurisdiction should decide whether to include it in the mandatory regulations under the IgCC. Similar to other provisions of Section 402.2, this is a regulation on the use of land and therefore should be left for each community to determine what limit is appropriate for the conditions of the community. The committee would like to see improvements to the Agricultural land provisions, but flexibility within those provisions is essential.

Staff note: Susan Gittlin of the U.S Environmental Protection Agency withdrew as a proponent of this change however, the proposal still has another proponent.

Assembly Action:

None

GG183-11

Committee Action:

Disapproved

Committee Reason: The committee felt that maintaining an option within the IgCC for each local community to determine restrictions on agricultural land was appropriate. The committee acknowledged in GG182 that this section needs refinement, but it needs to be retained as basic guidance for adopting jurisdictions.

Assembly Action:

None

GG184-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

402.2.6 Greenfield sites. Where this section is indicated to be applicable in Table 302.1, site disturbance or development shall not be permitted on *greenfield* sites.

Exception: The development of new *buildings* and associated site improvements shall be permitted on

greenfield sites where the jurisdiction determines that adequate infrastructure exists, or will be provided, and where the sites comply with at least one of the following:

(Portions of proposal no shown remain unchanged)

Committee Reason: The committee disagreed with the intent of the original code change because it would constrain any development of greenfields to locations where the infrastructure exists and is determined adequate and it would prohibit developers from solving infrastructure issues as part of the development. The committee's modification revises the text to more specifically require infrastructure to be provided rather than the current text which simply relies on the possibility of it being provided. Without this text, there would be less incentive for developers to provide the infrastructure.

Assembly Action: **None**

GG185-11

Committee Action: **Disapproved**

Committee Reason: The committee felt that the proposal took the adjacent density factor in the wrong direction. Since the code is not scoped to address one and two family development, but is addressing non-residential development and denser residential development, if any change is made to this factor it should be to increase the density, not lower it. As the greenfield provision is a jurisdiction option, the density factor should not be lowered.

Assembly Action: **None**

GG186-11

Committee Action: **Disapproved**

Committee Reason: The committee felt that the quarter mile distance was appropriate and consistent with the intent of encouraging mixed development and allowing people to walk to services. The committee again emphasized that this is one of the jurisdictional options that allows each community to adopt the land use related provisions that are appropriate for their community.

Assembly Action: **None**

GG187-11

Withdrawn by Proponent

GG188-11

Committee Action: **Disapproved**

Committee Reason: The change would weaken the intent of the greenfield section and goes against encouraging walking instead of driving. The committee did not feel that alignment with the ICC 700 standard was necessary in all instances.

Assembly Action: **None**

GG189-11

Committee Action: **Disapproved**

Committee Reason: The committee felt radius was not a good metric for measuring proximity to uses and transit. Radius can run into topography issues, or the presence of a water body or other barrier. Since one of the intents of greenfield limitations is to encourage a walkable environment, the use of walking distance is appropriate.

Assembly Action: **None**

GG190-11

Withdrawn by Proponent

GG191-11

Committee Action:

Disapproved

Committee Reason: At this time the proposed standard is incomplete. It is not available to the general public to consider. It would not be appropriate to adopt it as a reference standard.

Assembly Action:

None

GG192-11

Committee Action:

Disapproved

Committee Reason: At this time the proposed standard is incomplete. It is not available to the general public to consider. It would not be appropriate to adopt it as a reference standard. The committee also felt that the draft standard was too restrictive.

Assembly Action:

None

GG193-11

Withdrawn by Proponent

GG194-11

Committee Action:

Disapproved

Committee Reason: The committee felt that overall the proposal was too vague and was hampered by undefined terms. In this instance the use of the phrase 'including, but not limited to' would be problematic in that the limit on what uses would be allowed wouldn't be clear – or limited.

Assembly Action:

None

GG195-11

Committee Action:

Disapproved

Committee Reason: There were two schools of thought on the proposal, but the majority felt that the exception would simply allow communities to ignore the limitations established by the greenfield section by saying in their planning documents that an area can be developed. The committee expressed the idea that the concept could be worked into the charging language of the exception, thereby linking the community planning process into the greenfield criteria.

Assembly Action:

None

GG196-11

Committee Action:

Disapproved

Committee Reason: The committee expressed appreciation to the proponent regarding the depth of the information provided in the reasons statement. The committee also expressed their feeling that the IgCC needs to provide a solid framework to initiate discussions within the community. Protection of greenfields is a vital element which should be in the code, but it is too soon to make these provisions mandatory. Jurisdictions need to be provided with flexibility in this portion of the IgCC. The committee believes strongly in protecting greenfields, but to make this requirement mandatory would make the code less adoptable. Adoption of the code with flexibility to address greenfields is better than no adoption at all.

Assembly Action:

None

GG197-11

Committee Action:

Disapproved

Committee Reason: As stated in its reason statement for GG197, the committee feels protection of greenfields within the IgCC is essential and does not support removing it from the code. The committee

encouraged the proponent to submit revisions to the section to address his concerns and not just elimination of the requirement.

Assembly Action: **None**

GG198-11

Committee Action: **Disapproved**

Committee Reason: The committee felt that the proposed text was vague. It was unclear how an 'equivalent area' would be measured.

Assembly Action: **None**

GG199-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved the proposal because they felt that compliance with the existing provisions would not be difficult. They were also concerned about the phrase 'trees and vegetative cover' being vague and therefore would not result in consistent enforcement.

Assembly Action: **None**

GG200-11

Committee Action: **Disapproved**

Committee Reason: The committee felt that the parameters of the section are workable and should not be eliminated from the code.

Assembly Action: **None**

GG201-11

Committee Action: **Disapproved**

Committee Reason: While the committee recognized that this section needs to be improved, deletion from the inventory of the existing plants on the site is not an appropriate change. They expressed a desire to see more criteria for the inventory as well as a clearer reporting element. They encouraged the proponent to return with a more specific proposal.

Assembly Action: **None**

GG202-11

Committee Action: **Disapproved**

Committee Reason: The committee felt that the definition is not clear and could result in very stringent limitations. Only allowing 'green' infrastructure would be very limiting in existing built up urban areas. The committee also emphasized that while this is the International Green Construction Code, the use of the term 'green' should be avoided. The term 'green' isn't defined in the code, and a consensus definition is unlikely. 'Green' comes about from the totality of the code.

Assembly Action: **None**

GG203-11

Committee Action: **Disapproved**

Committee Reason: The committee found there to be too many competing issues in this proposal and they deserved individual consideration. The discussion focused on adding 'quality' to the criteria and many in the committee felt that quality should be included in the stormwater runoff criteria. However the committee

recognized that quality is not defined, and may be difficult to define. If it was to be included there would need to be some measurement of 'quality'.

Assembly Action:

None

GG204-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

402.3.2 Stormwater management. Where this section is indicated to be applicable in Table 302.1, stormwater management systems, including, but not limited to, infiltration, evapo-transpiration; *rainwater* harvest and runoff reuse; shall be provided and maintained on the *building site*. Stormwater management systems shall address the increase in runoff that would occur resulting from development on the *building site* and shall either:

1. Manage rainfall on-site and size the management system to retain, at a minimum, the volume of a single storm which is equal to the *95th percentile rainfall event* and all smaller storms and maintain the predevelopment natural ~~temperature of the~~ runoff; or
2. Maintain or restore the pre-development stable, natural runoff hydrology of the site throughout the development or redevelopment process. Post construction runoff rate, volume and duration shall not exceed predevelopment rates. The stormwater management system design shall be based, in part, on a hydrologic analysis of the *building site*.

The stormwater management system shall not redirect or concentrate off-site discharge that would cause increased erosion or other drainage related damage to adjoining *lots* or public property.

Committee Reason: The committee concluded that temperature of the stormwater runoff was an important factor, but was not practical to enforce at this time. The proposed code change had only removed the temperature reference from Item #2. The committee modified Item #1 to provide consistency between the two compliance paths.

Assembly Action:

None

GG205-11

Committee Action:

Disapproved

Committee Reason: The committee was not convinced that terracing and sediment basins were compatible with the more natural systems already specified in the section. The committee felt a need for a more comprehensive proposal on stormwater management system design which might include these techniques, but at this time the addition seemed unclear and possibly not in the right location in the code.

Assembly Action:

None

GG206-11

Committee Action:

Disapproved

Committee Reason: The exception was too broad. Even if stormwater was to be managed off site as part of an area wide system, it would still be important for the larger system to meet the criteria of Section 402.3.2. This proposal eliminates the larger system from having to meet the criteria.

Assembly Action:

None

GG207-11

Committee Action:

Disapproved

Committee Reason: The committee felt that this proposal was too broad and simply allowed someone to avoid trying to manage the stormwater on site. The committee suggested that this could be an appropriate change if it provided guidance or limitations on when one could take the stormwater off the site. One idea was where infiltration was not feasible on a given site.

Assembly Action:

None

GG208-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

INFILTRATION. The penetration of water through the ground surface into sub-surface soil and the water table.

(Portions of proposal not shown remain unchanged)

Committee Reason: The committee approved the change to provide important limitations on the design of stormwater management systems. The proposed definition was eliminated because infiltration doesn't always result in the water reaching the water table.

Assembly Action:

None

GG209-11

Committee Action:

Approved as Submitted

Committee Reason: The committee approved the change in order to make it clear that stormwater management regardless of the location needs to be a basic element of green construction. Stormwater management is readily achievable. The costs are lower if included in the initial planning for the development or redevelopment of a site.

Assembly Action:

None

GG210-11

Committee Action:

Disapproved

Committee Reason: Stormwater needs to be addressed as a part of the IgCC.

Assembly Action:

None

GG211-11

Committee Action:

Approved as Submitted

Committee Reason: The committee approved the proposal because they felt it wasn't realistic to completely rely on non-potable water sources. The proposal provides for a good transition from 100% potable water use to something less. This provision gives options for water use.

Assembly Action:

None

GG212-11

Committee Action:

Disapproved

Committee Reason: The use of potable water should be an exception; not the rule. This proposal would reverse that concept.

Assembly Action:

None

GG213-11

Committee Action:

Disapproved

Committee Reason: Local jurisdictions have the best knowledge regarding the use of water resources within their borders. This standard and exception could be refined, but this serves well until such refinement can be developed.

Assembly Action:

None

GG214-11

Committee Action:

Disapproved

Committee Reason: The committee felt that the proposal was inappropriate because it would eliminate the use of groundwater or surface water for landscape irrigation. As written, it could also eliminate the use of graywater when the graywater has been treated to meet potable standards. In summary the committee felt the proposal needs further work.

Assembly Action:

None

GG215-11

Committee Action:

Disapproved

Committee Reason: In most areas in this country bamboo is considered an invasive species. Mentioning it within this category of establishment periods could be viewed as making the species acceptable.

Assembly Action:

None

GG216-11

Committee Action:

Approved as Submitted

Committee Reason: The committee felt that these specific limits may not be appropriate for all climate zones. Unless there is a post certificate of occupancy role for the jurisdiction, the limits are probably unenforceable.

Assembly Action:

None

GG217-11

Committee Action:

Disapproved

Committee Reason: The intent of the provisions of the IgCC is to limit the use of potable water. This change would reverse that priority.

Assembly Action:

None

GG218-11

Committee Action:

Disapproved

Committee Reason: This section of the code is about limiting the use of potable water. The proposal would eliminate any limit on the use of potable water and simply require the preparation of a 'water budget'. A budget doesn't specifically limit water use. This action is consistent with previous actions on GG211 through GG217.

Assembly Action:

None

GG219-11

Committee Action:

Disapproved

Committee Reason: This proposal is similar to GG218. Again the proposal would eliminate any limit on potable water use. The regulation needs to show a reduction on potable water use, not just a measurement of water used.

Assembly Action:

None

GG220-11

Committee Action:

Disapproved

Committee Reason: The text would be redundant with Item 4 which provides a different route by which a jurisdiction can take action to allow use of potable water. Committee approval of GG211-11 addressed the balance between potable and not potable water use.

Assembly Action:

None

GG221-11

Committee Action:

Disapproved

Committee Reason: While members of the committee expressed support for the concept of maximizing the efficiency of an irrigation system which one might choose to install, it was unclear how one would determine compliance with a requirement for maximum efficiency. While efficiency is important, the goal of the section is to conserve water, not to maximize the efficiency of delivering water for irrigation. Conservation is different than efficiency.

Assembly Action:

None

GG222-11

Committee Action:

Disapproved

Committee Reason: Information that this code change would require is not readily available in all parts of this country. Availability of information in other countries is unknown.

Assembly Action:

None

GG223-11

Committee Action:

Disapproved

Committee Reason: The committee found that the proposed text in Section 402.3.3.2 would be unenforceable. Further, portions of the definitions were unclear and would not provide consistency in application.

Assembly Action:

None

GG224-11

Committee Action:

Disapproved

Committee Reason: The committee found that the proposal, overall, did not improve the code. There were good elements of the proposal, but many of the terms required subjective conclusions and therefore would not provide for consistent application and enforcement.

Assembly Action:

None

GG225-11

Withdrawn by Proponent

GG226-11

Committee Action:

Approved as Modified

Replace the original proposal as follows:

402.3.3.2_Irrigation system design and installation. Where in-ground irrigation systems are provided, the systems shall comply with all of the following:

1. The design and installation of outdoor irrigation systems shall be under the supervision of an irrigation professional accredited or certified by an appropriate local or national body.

2. Landscape irrigation systems shall not direct water onto building exterior surfaces, foundations or exterior paved surfaces. Systems shall not generate runoff.
3. If an irrigation controller is used, it must be one that regulates irrigation based on weather, climatological, or soil moisture status data. The controller shall have integrated or separate sensors to suspend irrigation events during rainfall.
4. Irrigation zones shall be based on plant water needs with plants of similar need grouped together. Turfgrass shall not be grouped with other plantings on the same zone.
5. Microirrigation zones shall be equipped with pressure regulators that assure zone pressure is no more than 40 psi (275.8 kPa), filters, and flush end assemblies.
6. Sprinklers shall:
 - 6.1. Have nozzles with matched precipitation rates.
 - 6.2. Be prohibited on landscape areas less than 4 feet (1230 mm) in any dimension.
 - 6.3. Be prohibited on slopes greater than 1 unit vertical to 4 units horizontal

Exception: Where the application rate of the sprinklers is less than or equal to 0.5 inches (12.7 mm) per hour.

- 6.4. Be permitted for use on turfgrass and crop areas only excepting microsprays of a flow less than 45 gallons (170 liters) per hour.
- 6.5. If of the pop-up configuration, pop-up to a height of not less than four inches (101 mm).
- 6.6. Only be installed in zones composed exclusively of sprinklers and shall be designed to achieve a lower quarter distribution uniformity of not less than 0.65.

Committee Reason: The revised proposal represented efforts by a group of interested parties to provide a workable design requirement for irrigation systems. Although there was concern by some that the requirements may be too prescriptive, it does provide clear standards.

Assembly Action: **None**

GG227-11

Committee Action: **Disapproved**

Committee Reason: The committee preferred the revisions contained in GG226-11, approved as modified.

Assembly Action: **None**

GG228-11

Withdrawn by Proponent

GG229-11

Committee Action: **Disapproved**

Committee Reason: The proposal and the proposed reference standards do not add any additional clarity for irrigation system design.

Assembly Action: **None**

GG230-11

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposal based on the previous action to approve GG226. However it was noted that the proposed item 2 had merit as it addressed an issue not addressed elsewhere.

Assembly Action: **None**

GG231-11

Committee Action: **Disapproved**

Committee Reason: The committee felt that the existing text which prohibits irrigation water from being sprayed onto building walls needs to be maintained in the code.

Assembly Action: **None**

GG232-11

Committee Action:

Disapproved

Committee Reason: The committee felt that the issue raised by the proponent has merit, but that the sentence needed to be revised. It also felt that the sentence was backwards.

Assembly Action:

None

GG233-11

Committee Action:

Approved as Submitted

Committee Reason: Recirculation of water in ornamental features clearly conserves the use of water, whatever the water that is used in the feature. This is an appropriate addition to the code.

Assembly Action:

None

GG234-11

Committee Action:

Disapproved

Committee Reason: The standard has not been completed. The committee felt there was insufficient information to review the standard at this time.

Assembly Action:

None

GG235-11

Committee Action:

Disapproved

Committee Reason: The committee felt that the protection of topsoils was an essential element of the code, they don't want to see the destruction of greenfields and agricultural lands as a 'mine' for topsoil resources. The committee acknowledged that there may be additional exceptions to the ban that could be added.

Assembly Action:

None

GG236-11

Committee Action:

Disapproved

Committee Reason: Removing this text would reduce the clarity the code now gives as to the content of the management plan.

Assembly Action:

None

GG237-11

Withdrawn by Proponent

GG238-11

Committee Action:

Disapproved

Committee Reason: The committee felt that the exceptions were too broad and unlimited. There was particular concern regarding exception #2, as the committee felt that completely exempting burial grounds is not appropriate. Exception #3 would appear to be unlimited.

Assembly Action:

None

GG239-11

Withdrawn by Proponent

GG240-11

Committee Action:

Disapproved

Committee Reason: The committee felt that it was not necessary to include mention of artificial turf and that, as written, the proposal would seem to be requiring artificial turf.

Assembly Action:

None

GG241-11

Withdrawn by Proponent

GG242-11

Withdrawn by Proponent

GG243-11

Committee Action:

Disapproved

Committee Reason: The code does need to limit the use of turfgrass. While there is probably a need to have some regional specific provisions within the turfgrass limitations, it is not appropriate to ignore the issue altogether. The committee did not feel that the potential impact outweighed the need to limit the use of turfgrass. The code doesn't ban the use of turfgrass, as some who testified for this proposal seemed to claim, but simply limits the quantity.

Assembly Action:

None

GG244-11

Committee Action:

Disapproved

Committee Reason: The committee felt that the proposal removed too many provisions that benefit sustainable development. Reliance on NPDES permits would leave sites under one acre unaddressed.

Assembly Action:

None

GG245-11

Committee Action:

Disapproved

Committee Reason: While this issue of proper handling of toxic waste which might be found in the soils of a site is important, the direct reference to handling such waste in accordance with a United States federal law would be problematic where this code is adopted outside of this country. A restructured proposal addressing this issue should be considered.

Assembly Action:

None

GG246-11

Committee Action:

Approved as Submitted

Committee Reason: The change Improves the code by providing consistency between three similar sections. The committee praised to work of a collaborative working group in bringing forth this proposal.

Assembly Action:

None

GG247-11

Committee Action:

Approved as Submitted

Committee Reason: The proposal improves the code with language that is more clear and specific than the existing text.

Assembly Action:

None

GG248-11

Withdrawn by Proponent

GG249-11

Committee Action:

Disapproved

Committee Reason: The committee prefers the revisions approved in GG250. This proposal would complicate the determination by requiring a estimation of nontransient building occupants. The term is not defined.

Assembly Action:

None

GG250-11

Committee Action:

Approved as Submitted

Committee Reason: The committee considered a variety of proposals to clarify this section and found this to be the best as it provides an easy method to calculate the requirement and to provide enforcement. The requirement for the shower and changing facility would now rely on the provisions of bicycle parking. Participants were encouraged to explore how to encourage and support other modes of non-motorized transportation.

Assembly Action:

None

GG251-11

Withdrawn by Proponent

GG252-11

Committee Action:

Disapproved

Committee Reason: Based on the action to approve GG250, the committee felt this change was not needed.

Assembly Action:

None

GG253-11

Committee Action:

Disapproved

Committee Reason: Based on the action to approve GG250, the committee felt this change was not needed.

Assembly Action:

None

GG254-11

Committee Action:

Approved as Submitted

Committee Reason: The change provides consistency of terms between the IgCC and the IBC with respect to the determination of floor area.

Assembly Action:

None

GG255-11

Committee Action:

Approved as Submitted

Committee Reason: This improves the code by changing the metric to the area of the building, which will be static, versus the number of employees, which will vary over time and tenant. It eliminates an additional calculation, and therefore simplifies enforcement.

Assembly Action:

None

GG256-11

Committee Action:

Approved as Submitted

Committee Reason: Consistent with the action on GG255, the committee approved this change. This improves the code by changing the metric to the area of the building, which will be static, versus the number of employees, which will vary over time and tenant. It eliminates an additional calculation, and therefore simplifies enforcement.

Assembly Action:

None

GG257-11

Committee Action:

Approved as Submitted

Committee Reason: Consistent with the action on GG255, the committee approved this change. This improves the code by changing the metric to the area of the building, which will be static, versus the number of employees, which will vary over time and tenant. It eliminates an additional calculation, and therefore simplifies enforcement.

Assembly Action:

None

GG258-11

Committee Action:

Approved as Submitted

Committee Reason: Consistent with the action on GG255, the committee approved this change. This improves the code by changing the metric to the area of the building, which will be static, versus the number of employees, which will vary over time and tenant. It eliminates an additional calculation, and therefore simplifies enforcement.

Assembly Action:

None

GG259-11

Committee Action:

Approved as Submitted

Committee Reason: Consistent with the action on GG255, the committee approved this change. This improves the code by changing the metric to the area of the building, which will be static, versus the number of employees, which will vary over time and tenant. It eliminates an additional calculation, and therefore simplifies enforcement.

Assembly Action:

None

GG260-11

Withdrawn by Proponent

GG261-11

Committee Action:

Approved as Submitted

Committee Reason: Restores a provision from PV1.0 which makes the location of short term bike parking readily apparent to visitors to a building or facility. The visibility helps encourage the use of bicycles for transportation.

Assembly Action:

None

GG262-11

Committee Action:

Approved as Submitted

Committee Reason: The change reinforces the connection between the IgCC and the local zoning regulations, where such regulations exist. Consistent with the action on GG255, the committee approved this change. This improves the code by changing the metric to the area of the building, which will be static, versus the number of

employees, which will vary over time and tenant. It eliminates an additional calculation, and therefore simplifies enforcement.

Assembly Action: **None**

GG263-11

Committee Action: **Approved as Submitted**

Committee Reason: The change is a minor editorial correction, but it does provide clarity regarding the application and enforcement of this section.

Assembly Action: **None**

GG264-11

Committee Action: **Approved as Submitted**

Committee Reason: The proposal was approved by the committee because it addresses a real situation of a larger building with only a few employees. The committee expressed concern that text isn't as clear as they would like and that the exception may be too broad. They encourage public comments be considered to refine the proposal, but felt the topic too important to not approve this version.

Assembly Action: **None**

GG265-11

Committee Action: **Disapproved**

Committee Reason: The committee felt this was a solution looking for a problem. The text would be difficult to enforce. The code shouldn't try to limit the designations and use of the parking to this level.

Assembly Action: **None**

GG266-11

Committee Action: **Disapproved**

Committee Reason: This proposal would result in text which is not enforceable. It goes beyond what should reasonably be expected from the building department. Spaces only need to be designated, later use is not enforced.

Assembly Action: **None**

GG267-11

Committee Action: **Disapproved**

Committee Reason: The committee felt that trading all vehicle parking spaces for low emission vehicles for a single charging station was too much of a trade-off.

Assembly Action: **None**

GG268-11

Committee Action: **Disapproved**

Committee Reason: This change would impose too great a burden on buildings at this time. For the initial edition of the IgCC, this is not an appropriate requirement.

Assembly Action: **None**

GG269-11

Committee Action:

Disapproved

Committee Reason: The committee found the concept of the proposal, to limit overall vehicle parking, to be an appropriate issue to explore. They encouraged the proponent to consider refinements that would provide more flexibility. They felt that it was not appropriate at this time as a mandatory requirement but might be explored as either a jurisdictional option or a project elective. Another suggestion was to include this in the *International Zoning Code*.

Assembly Action:

None

GG270-11

Committee Action:

Disapproved

Committee Reason: The proposal is inappropriate in limiting the requirement to fewer zones. Testimony indicated that there is benefit in any zones where air conditioning is common. It is not essential that the heat island limitations on hardscape occur in the same climate zones as the limits on roofing.

Assembly Action:

None

GG271-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved the proposed change because they felt that the 50% threshold is appropriate at this time. The current electives support the 50% mandatory threshold and should be retained as well.

Assembly Action:

None

GG272-11

Committee Action:

Approved as Submitted

Committee Reason: The committee concluded that the metric proposed in this change is appropriate to the material being analyzed and approved.

Assembly Action:

None

GG273-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

Exception: The following materials shall be deemed to comply with this section and need not be tested in accordance with ASTM E1980:

1. Pervious concrete pavements,
2. Concrete paving without added color or stain.

Committee Reason: The proposed change will simplify compliance for materials that routinely test within the acceptable limits. The modification was made to provide consistency with the decision on GG272 to change the referenced standards. Restating them in the exception is not needed.

Assembly Action:

None

GG274-11

Committee Action:

Disapproved

Committee Reason: The committee preferred the change approved in GG273.

Assembly Action:

None

GG275-11

Committee Action:

Disapproved

Committee Reason: The committee preferred the change approved in GG273.

Assembly Action:

None

GG276-11

Committee Action:

Disapproved

Committee Reason: The proposal would not improve the effectiveness of the code, but would add a layer of complexity and hamper enforceability

Assembly Action:

None

GG277-11

Committee Action:

Disapproved

Committee Reason: The committee preferred the change approved in GG273.

Assembly Action:

None

GG278-11

Committee Action:

Approved as Submitted

Committee Reason: Pervious and permeable are used consistently in other locations in the code.

Assembly Action:

None

GG279-11

Committee Action:

Disapproved

Committee Reason: The committee felt that there was no compelling reason to eliminate the regulation of hardscape materials. Leaving the requirement in the code will hopefully promote more research into these materials and solar reflectance.

Assembly Action:

None

GG280-11

Committee Action:

Disapproved

Committee Reason: The change would conflict with previous actions on GG273. The committee felt that providing the exception was appropriate and should remain in both sections, even though one refers to the other.

Assembly Action:

None

GG281-11

Committee Action:

Disapproved

Committee Reason: The committee concluded that adding this proposed requirement for maintenance was not appropriate for the IgCC. This would appear to impose duties on the code official to conduct inspections after the issuance of a Certificate of Occupancy.

Assembly Action:

None

GG282-11

Committee Action:

Disapproved

Committee Reason: The committee preferred the change approved in GG273.

Assembly Action:

None

GG283-11

Committee Action:

Disapproved

Committee Reason: The committee felt that there wasn't sufficient documentation presented to consider adding these materials to the list of those deemed to comply with the SRI limitations.

Assembly Action:

None

GG284-11

Committee Action:

Approved as Submitted

Committee Reason: The change provides proper correlation between the roof covering heat island requirements and where roofed shading structures are used to shade site hardscaping.

Assembly Action:

None

GG285-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

404.2.3 Shade by trees. Where shading is provided by trees, such trees shall be selected and placed in accordance with all of the following:

1. Trees selected shall be those that are native or to the region and climate zone in which the project site is located. *Invasive plant species* shall not be selected.

(Portions of proposal not shown remain unchanged)

Committee Reason: The revision provides clearer language as compared to that in PV 2.0. As the section is about trees, the committee felt that the term plant would confuse the application of the section and therefore modified the proposal.

Assembly Action:

None

GG286-11

Committee Action:

Disapproved

Committee Reason: The committee found many issues with the proposal including that it was unclear if the limitation only applied at the time of construction or whether it applied only within a site or could be imposed across lot lines to another site. The provision would appear to prohibit shading during all daylight hours and

during all seasons, which would be unreasonable. There is considerable legal debate over rights to solar access. As such the IgCC should not add anything which complicates the issue.

Assembly Action: **None**

GG287-11

Committee Action: **Disapproved**

Committee Reason: The committee found the concerns regarding the engineering of the design and the difficulty imposed for enforcement compelling. The proposal did raise the issue that this section of the code needs to address paving systems and not just paving materials.

Assembly Action: **None**

GG288-11

Committee Action: **Approved as Submitted**

Committee Reason: The committee deleted the provision for a specific depth of gravel in order to allow for more design options for pervious and permeable pavement.

Assembly Action: **None**

GG289-11

Committee Action: **Disapproved**

Committee Reason: The text would change the scope of the section from one to limit the impacts of heat island to one of water management. The additional language may be appropriate in other sections of the code, but does not apply here.

Assembly Action: **None**

GG290-11

Committee Action: **Disapproved**

Committee Reason: The committee was concerned that this proposal introduced text into the IgCC that is in other codes and need not be repeated. The committee questions whether the metrics included in this proposal are the correct ones.

Assembly Action: **None**

GG291-11

Committee Action: **Approved as Submitted**

Committee Reason: The proposed change greatly improves the clarity of the section. The format helps distinguish the items exempted. Vegetative roofs need not be included in the exception as they are the other option by which roof surfaces can comply with the heat island limitation provisions.

Assembly Action: **None**

GG292-11

Withdrawn by Proponent

GG293-11

Withdrawn by Proponent

GG294-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposal to be consistent with the action on GG284.

Assembly Action:

None

GG295-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved this proposal to be consistent with the action on GG291.

Assembly Action:

None

GG296-11

Committee Action:

Disapproved

Committee Reason: Adding mass to the roof, as contained in this proposal doesn't solve or reduce the heat island effects of roof surfaces.

Assembly Action:

None

GG297-11

Committee Action:

Disapproved

Committee Reason: Consistent with the action on GG296, the committee again concluded that adding mass to the roof doesn't address heat island effects. The term 'green' should not be used within the code.

Assembly Action:

None

GG298-11

Committee Action:

Disapproved

Committee Reason: The committee concluded that adding the word 'listed' is contrary to the intent of the section as written. Products may be tested and labeled according to the standards without being listed.

Assembly Action:

None

GG299-11

Committee Action:

Disapproved

Committee Reason: The committee felt that the proposal eliminated options for the testing of roofing materials and was not convinced that such action was appropriate.

Assembly Action:

None

GG300-11

Committee Action:

Disapproved

Committee Reason: Consistent with the actions on GG297 and GG298, the committee disapproved this proposal. Adding ballast to a roof does not reduce its impact on heat island.

Assembly Action:

None

GG301-11

Committee Action:

Approved as Submitted

Committee Reason: The change to the table makes the ranges consistent with industry test methods.

Assembly Action:

None

GG302-11

Committee Action:

Disapproved

Committee Reason: The rationale for the proposal is all based on limiting the buildings use of energy as it can be impacted by the design of the roof system. This section of the code is to limit the impact of the roof on the heat island resulting from the development. Energy use limitation provisions should be addressed in Chapter 6.

Assembly Action:

None

GG303-11

Committee Action:

Disapproved

Committee Reason: The proposal was disapproved to be consistent with the action taken on GG302.

Assembly Action:

None

GG304-11

Committee Action:

Disapproved

Committee Reason: The committee was not convinced that artificial turf provided the same benefits as a vegetative roof. Testimony on a previous code change related to use of artificial turf raised the issue that such material needed to be irrigated to cool it. Such seems contrary to limiting heat island effects.

Assembly Action:

None

GG305-11

Committee Action:

Disapproved

Committee Reason: The committee concluded that there were significant questions raised about the proposal. It questioned whether this even belongs in this code and that it may be more appropriate in the IBC. The standards do not meet ICC policy for referenced standards. It was not clear why a new roof would need to be tested. Further, as an inspection requirement, this proposal, if in this code, may be better placed in Chapter 9. Finally, a sufficient case was not made that the two specific professionals (registered roof observer and registered roof consultant) were needed to be added to the code to make such provision viable.

Assembly Action:

None

GG306-11

Committee Action:

Disapproved

Committee Reason: The change would essentially eliminate any regulation of the heat island impact of roofs and roofing materials and turn this provision into another energy conservation regulation. The committee feels that elimination of the regulation of heat island effects of roofs is inappropriate.

Assembly Action:

None

GG307-11

Committee Action:

Disapproved

Committee Reason: The committee felt that the use of the phrase "all signs" to be too broad an exception. Some felt that the existing Item #2 is adequate as written, but refinement of the item may be helpful.

Assembly Action:

None

GG308-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

405.1 Light pollution control. Where this section is indicated to be applicable in Table 302.1, upright, light trespass, and glare shall be limited for all exterior lighting equipment as described in Sections 405.2 and 405.3.

Exceptions: Lighting used for the following exterior applications is exempt where equipped with a control device independent of the control of the non-exempt lighting:

1. Specialized signal, directional, and marker lighting associated with transportation;
2. Advertising signage or directional signage;
3. Lighting integral to equipment or instrumentation and installed by its manufacturer;
4. Theatrical purposes, including performance, stage, film production, and video production;
5. Athletic playing areas where lighting is equipped with hoods or louvers for glare control;
6. Temporary lighting;
7. Lighting for industrial production, material handling, transportation sites, and associated storage areas where lighting is equipped with hoods or louvers for glare control;
8. Theme elements in theme and amusement parks
9. Roadway lighting required by governmental authorities;
10. Lighting used to highlight features of public monuments and registered landmark *structures*.
11. Lighting classified for and used in hazardous areas.
12. Lighting for swimming pools and water features.
13. Searchlights.

Committee Reason: That committee approved the code change, with the modification for consistency with ASHRAE 189.1.

Assembly Action:

None

GG309-11

Committee Action:

Disapproved

Committee Reason: The change would add an element of limited energy usage. Such requirement belongs in Chapter 6 and is not directly related to the effects of light spilling off the building site where it is generated.

Assembly Action:

None

GG310-11

Committee Action:

Approved as Submitted

Committee Reason: The revisions provide clarity in the application of the requirements of the section. The changes also are consistent with IES's Model Lighting Ordinance and put in categories as established in the *International Energy Conservation Code*.

Assembly Action:

None

GG311-11

Committee Action: Disapproved

Committee Reason: The committee prefers the revisions approved in GG310.

Assembly Action: None

GG312-11

Withdrawn by Proponent

GG313-11

Committee Action: Approved as Submitted

Committee Reason: The change was approved as an editorial clarification that any one system need not comply with all three standards for non-potable water systems.

Assembly Action: None

GG314-11

Committee Action: Approved as Submitted

Committee Reason: Many states and local regulations prohibit or limit the use of non-potable water. While Chapter 1 generally provides for such regulations to take precedence over the code, the committee felt it was important to restate the limit here.

Assembly Action: None

GG315-11

Committee Action: Approved as Submitted

Committee Reason: The change improves the section and clarifies that reclaimed water doesn't have to be provided by a municipal system.

Assembly Action: None

GG316-11

Committee Action: Disapproved

Committee Reason: The committee found the definitions problematic. Is there really any distinction between stormwater and rainwater? Isn't groundwater likely to also be freshwater? The intent of the irrigation provisions of Chapter 4 is to limit use of water overall, this proposal would specifically not limit the use of any freshwater sources.

Assembly Action: None

GG317-11

Committee Action: Approved as Submitted

Committee Reason: The revision clarifies the intent of the section because it is better language. Parallel language in the IPC should be revised to provide similar clarity.

Assembly Action: None

GG318-11

Committee Action:

Disapproved

Committee Reason: The proposal deletes text that needs to be retained for the installation of gray water systems.

Assembly Action:

None

GG319-11

Committee Action:

Disapproved

Committee Reason: The provisions are already correlated with the IPC. The changes would move the IgCC away from being consistent.

Assembly Action:

None

GG320-11

Committee Action:

Disapproved

Committee Reason: Determination of occupant load is the province of the building official in Chapter 10 of the IBC. Allowing the designer to determine occupant load without approval by the code official would be in conflict with the IBC.

Assembly Action:

None

GG321-11

Committee Action:

Disapproved

Committee Reason: The current language which uses occupants to determine the system design is the correct metric and needs to be retained.

Assembly Action:

None

GG322-11

Committee Action:

Disapproved

Committee Reason: Based on committee action approving GG328, these provisions would no longer be in the IgCC.

Assembly Action:

None

GG323-11

Committee Action:

Disapproved

Committee Reason: Based on committee action approving GG328, these provisions would no longer be in the IgCC.

Assembly Action:

None

GG324-11

Committee Action:

Disapproved

Committee Reason: Based on committee action approving GG328, these provisions would no longer be in the IgCC.

Assembly Action:

None

GG325-11

Committee Action:

Disapproved

Committee Reason: Based on committee action approving GG328, these provisions would no longer be in the IgCC.

Assembly Action:

None

GG326-11

Committee Action:

Approved as Modified

Replace the original proposal with the following:

**TABLE 708.12.6.2
LOCATION OF GRAYWATER STORAGE TANKS**

Element	Minimum Horizontal Distance from Storage Tank (feet)
Critical root zone (CRZ) of protected trees	2
Lot line adjoining private lots	5
Seepage pits	5
Septic tanks	5
Water wells	50
Streams, lakes, wetlands, and lakes other bodies of water	50
Water service	5
Public water main	10

For SI: 1 minute per inch = min/25.4 mm

Committee Reason: The revisions to Section 406.3.4 and Table 406.3.4 were removed from the proposal because these sections would be removed from the IgCC based on the committee action to approve GG328. The remaining change to Table 708.12.6.2 is to be consistent with areas of concern in Section 402.

Assembly Action:

None

GG327-11

Committee Action:

Approved as Submitted

Committee Reason: The new language expands potential sources of irrigation water. The definitions of graywater and reclaimed water are too limiting and do not allow use of other sources of non-potable water.

Assembly Action:

None

GG328-11

Committee Action:

Approved as Submitted

Committee Reason: The graywater provisions are now contained within the main body of the IPC. The IgCC no longer needs to provide its own provisions and can refer to the IPC. The text remaining addresses issues not covered by the IPC.

Assembly Action:

None

GG329-11

Committee Action:

Disapproved

Committee Reason: The committee was concerned that the addition of this technical term and definition did not result in an unintended change to the regulations.

Assembly Action:

None

GG330-11

Committee Action:

Approved as Submitted

Committee Reason: The change provides specificity and direction on how to comply with this section. Many cone penetrometers are available. This is not an onerous requirement.

Assembly Action:

None

GG331-11

Committee Action:

Disapproved

Committee Reason: The committee felt that these provisions need to be included in the code. Reliance on NPDES permits would result in sites under 1 acre not being regulated. Conflicts, where they occur, are resolved by the provisions addressing conflicts in Chapter 1.

Assembly Action:

None

GG332-11

Committee Action:

Disapproved

Committee Reason: The committee disapproved the change because they felt that changing Item 3 to be applicable during construction was not appropriate. The items listed in Item 3 do not just occur during construction.

Assembly Action:

None

GG333-11

Committee Action:

Disapproved

Committee Reason: Using or encouraging the use of inorganic fertilizers is not appropriate for inclusion in a 'green' construction code.

Assembly Action:

None

GG334-11

Committee Action:

Disapproved

Committee Reason: The current text for item 3.2 is appropriate for this portion of the regulation. The error in the publication made the full extent of the changes unclear.

Assembly Action:

None

Note: The proposal was not correctly shown in the posted monograph. Text proposed to be added was not shown underlined. Item 3.2 should have appeared as follows:

- 3.2. A schedule for the use of fertilizers appropriate to the installed and maintained plants species (turf, shrubs, trees, and other botanical aspects of the landscape), pre- and post-establishment needs of the plants relative to the intended use of the plant species, and environmental factors relating to the plants and their uses (local climate, soil needs as determined by soil tests, et al). and the pre-establishment and post-establishment needs of the installed turf and landscaping. Non-organic fertilizers shall be discontinued following plant establishment.
-

GG335-11

Committee Action:

Approved as Submitted

Committee Reason: The text is probably redundant with the fire code. The current text presents a challenge to building officials as they are likely not plant experts. There is not a significant record of fires on these roofs. During a severe drought, few if any plant species will survive.

Assembly Action:

None

GG336-11

Committee Action:

Disapproved

Committee Reason: The text does address issues not addressed directly in the IFC and therefore needs to be retained. The committee's intent in disapproving GG336 is not to change the decision of GG335 which also deleted the same text.

Assembly Action:

None

GG337-11

Committee Action:

Approved as Submitted

Committee Reason: The revised language improves the enforceability of the text. Tying this provision to Chapter 9 is important. Additional changes to Section 904.3 need to be provided.

Assembly Action:

None

GG338-11

Withdrawn by Proponent

GG339-11

Committee Action:

Approved as Submitted

Committee Reason: The change provides reference to provisions of the IFC which address setbacks for the vegetative roof from various rooftop features.

Assembly Action:

None

GG340-11

Committee Action:

Disapproved

Committee Reason: Nonpotable water is not always available in locations where a vegetative roof is the chosen solution for heat island effect mitigation. Water usage should be addressed along with the planning for landscape irrigation.

Assembly Action:

None

GG341-11

Withdrawn by Proponent

GG342-11

Committee Action:

Approved as Submitted

Committee Reason: The revision provides refined project electives for flood hazard areas. The proposal compliments the revisions approved under GG171.

Assembly Action:

None

GG343-11

Committee Action:

Approved as Submitted

Committee Reason: The changes provide improved information for the development of brownfield sites.

Assembly Action:

None

GG344-11

Committee Action:

Approved as Submitted

Committee Reason: The revision is to a certain extent editorial in that the reuse of an existing building saves materials. Materials are addressed in Chapter 5 and not the topic of Chapter 4.

Assembly Action:

None

GG345-11

Committee Action:

Disapproved

Committee Reason: The existing project elective for greenfield development isn't clear, but the proposal doesn't provide any improvement. In fact the committee felt that this proposal has the intent backwards. The intent of the code is to limit development in greenfields but this proposal actually encourages development in a greenfield.

Assembly Action:

None

GG346-11

Committee Action:

Disapproved

Committee Reason: The committee understood that the existing project elective doesn't require a lot of effort in order to comply. But the committee did not find the change as a solution. They encouraged the proponent to continue to work the issue and perhaps consider a minimum threshold.

Assembly Action:

None

GG347-11

Committee Action:

Disapproved

Committee Reason: The committee found the proposed text to be vague and unenforceable. The limit on potable water use was not clearly justified.

Assembly Action:

None

GG348-11

Committee Action:

Disapproved

Committee Reason: Consistent with the action on GG347, the committee disapproved this similar proposal.

Assembly Action:

None

GG349-11

Committee Action:

Disapproved

Committee Reason: Forest lands are already extensively protected and the committee was not sure that adding another project elective was appropriate. There was also concern that the 50% threshold would discourage protection of forest and wooded areas in jurisdiction with less forested area. There was concern

regarding areas where lands are set aside as timber lands and it is unclear how this provision would work in conjunction with such designations.

Assembly Action: **None**

GG350-11

Committee Action: **Disapproved**

Committee Reason: The wording of the proposal doesn't clearly require that the historic nature of the facility be maintained. Given the project elective for reuse of an existing building, this elective struck some as a double dipping for the same action. It would seem to allow the development of a new building on a site with an existing historic building and one would achieve the elective. Unclear how this is related to 'sustainability'.

Assembly Action: **None**

GG351-11

Committee Action: **Approved as Submitted**

Committee Reason: The committee felt that the addition would serve to encourage mixed development communities which can encourage more walking and less reliance on vehicular travel. Even as the committee approved the proposal, they expressed the hope that the concept be refined and clarified. Ideas for refinement include considering requiring a minimum height of 4 stories and clarifying application to single buildings versus a group of buildings.

Assembly Action: **None**

GG352-11

Committee Action: **Disapproved**

Committee Reason: The committee felt that there should be provisions for requiring charging stations in the code, but felt that this proposal provided an elective at too low a threshold. The committee also hoped that the needs for infrastructure for other fuels also be addressed.

Assembly Action: **None**

GG353-11

Committee Action: **Approved as Submitted**

Committee Reason: While the information provided in the two subparts of the definition is useful to a distinction between vegetative roof types, at this time the code doesn't provide any differing requirements for the installation of these roofs, therefore the committee concluded that the detail in the definition wasn't needed at this time.

Assembly Action: **None**

GG354-11

Committee Action: **Disapproved**

Committee Reason: Although the intent of the proposal is good, the numbers proposed are questionable. Tools to determine these numbers and more overall guidance are needed. The concept may work better as a project elective.

Assembly Action: **None**

GG355-11

Committee Action:

Approved as Submitted

Committee Reason: This proposal improves the clarity of the code and reorganizes the code in a logical manner and in a sequence similar to the way construction is normally managed.

Assembly Action:

None

GG356-11

Committee Action:

Disapproved

Committee Reason: The proposal does not tell us where or how to "identify" surplus materials.

Assembly Action:

None

GG357-11

Committee Action:

Disapproved

Committee Reason: The proposal lacks clarity and could be cumbersome.

Assembly Action:

None

GG358-11

Committee Action:

Disapproved

Committee Reason: Flexibility and options with regard to compliance methods are important.

Assembly Action:

None

GG359-11

Committee Action:

Disapproved

Committee Reason: The proposed language is unenforceable and introduces undefined terms.

Assembly Action:

None

GG360-11

Committee Action:

Disapproved

Committee Reason: The proposal contains vague and unenforceable language. If the jurisdiction that the project is in doesn't have the infrastructure to recycle to the extent required by the code, the next one may. Jurisdictions looking to adopt the IgCC may deal with the issue in other ways when necessary, and they always have the ability to do so by modifying or amending the code upon adoption.

Assembly Action:

None

GG361-11

Committee Action:

Disapproved

Committee Reason: Most studies show that 50 percent is achievable.

Assembly Action:

None

GG362-11

Withdrawn by Proponent

GG363-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

502.1 Construction material and waste management plan. Not less than 50 percent of non-hazardous construction waste shall be diverted from disposal, except where other percentages are indicated in Table 302.1. A Construction Material and Waste Management Plan shall be developed and implemented to recycle or salvage construction materials and waste. The Construction Material and Waste Management Plan shall comply with all of the following:

1. The location where the collection, separation and storage of recyclable construction waste materials such as wood, paper, plastic, aluminum, steel, iron, gypsum board, carpet, mineral fiber, acoustical ceiling tile, glass and concrete, shall be indicated.
2. Materials to be diverted from disposal by efficient usage, recycling, reuse on the project, or salvage for future use, donation or sale shall be specified.
3. The amount of materials to be diverted shall be specified and shall be calculated by weight or volume, but not both.

For the purpose of this section, construction and waste materials shall not include land clearing debris, excavated soils and fill and base materials such as, but not limited to, *topsoil*, sand and gravel. Land-clearing debris shall include trees, stumps, rocks, and vegetation. Excavated soil, fill material and land-clearing debris shall be managed in accordance with Section 402.3.6.

Exception: This section shall not apply in regions where recycling programs are not available within a 25-mile radius of the project.

Committee Reason: The replacement of the word "landfills" with "disposal" and the addition of the word "donation" are improvements to the code. However, the 25 mile radius requirement in the exception is not workable in all jurisdictions and many materials, such as gypsum and wood, can be processed and spread on site.

Assembly Action:

None

GG364-11

Committee Action:

Disapproved

Committee Reason: As GG364 replaced the term "landfills" with "disposal," the intent of this proposal may be better met by defining "disposal" and clarifying that it includes incineration.

Assembly Action:

None

GG365-11

Committee Action:

Disapproved

Committee Reason: This proposal lacks definitive methods or guidance to determine compliance with the metrics it proposes.

Assembly Action:

None

GG366-11

Committee Action:

Approved as Submitted

Committee Reason: The laundry list of items included in the original code text is not necessary and unintentionally is too restrictive.

Assembly Action:

None

GG367-11

Committee Action:

Approved as Submitted

Committee Reason: Based on proponent's reason statement.

Assembly Action:

None

GG368-11

Committee Action:

Approved as Submitted

Committee Reason: This proposal furthers the intent of the code by clarifying that the code section is also applicable to packaging.

Assembly Action:

None

GG369-11

Committee Action:

Approved as Submitted

Committee Reason: The proposed language clarifies the intent of the section and reinforces what the committee approved in GG366-11.

Assembly Action:

None

GG370-11

Committee Action:

Disapproved

Committee Reason: The proposed language increases ambiguity. Some numbers need to be nailed down, but the numbers proposed are questionable.

Assembly Action:

None

GG371-11

Committee Action:

Disapproved

Committee Reason: The language is proposed to the wrong section. It should be in a section that addresses post construction waste.

Assembly Action:

None

GG372-11

Committee Action:

Disapproved

Committee Reason: Based on prior committee action related to Section 502.1.

Assembly Action:

None

GG373-11

Committee Action:

Disapproved

Committee Reason: This proposal creates more problems than it solves. There is no purpose in separating hardscape and construction waste if there is no requirement to measure them separately.

Assembly Action:

None

GG374-11

Committee Action:

Disapproved

Committee Reason: The proposal removes flexibility for jurisdictions.

Assembly Action:

None

GG375-11

Committee Action:

Disapproved

Committee Reason: The original language is clearer and the laundry list proposed is inappropriate.

Assembly Action:

None

GG376-11

Committee Action:

Disapproved

Committee Reason: The existing language is clear and the proposed language adds confusion.

Assembly Action:

None

GG377-11

Committee Action:

Disapproved

Committee Reason: The code text is sufficient as written. The proposal adds confusion. Furthermore, many of the proposed concepts are already addressed in other codes.

Assembly Action:

None

GG378-11

Committee Action:

Disapproved

Committee Reason: The proposed language is inappropriate in that it is difficult to enforce and places an unnecessary burden on building owners.

Assembly Action:

None

GG379-11

Committee Action:

Disapproved

Committee Reason: All of the material characteristics addressed by Section 503 should be retained in the code.

Assembly Action:

None

GG380-11

Committee Action:

Disapproved

Committee Reason: To be consistent with prior committee actions on GG150-11 and GG383-11.

Assembly Action:

None

GG381-11

Committee Action:

Disapproved

Committee Reason: The committee prefers GG150-11 and GG400-11.

Assembly Action:

None

GG382-11

Committee Action:

Disapproved

Committee Reason: To be consistent with prior committee action on GG150-11.

Assembly Action:

None

GG383-11

Committee Action:

Disapproved

Committee Reason: The original intention of the exception was to apply to a relatively broad range of equipment and controls, while this proposal is too specific

Assembly Action:

None

GG384-11

Committee Action:

Disapproved

Committee Reason: To be consistent with prior committee action on GG150-11.

Assembly Action:

None

GG385-11

Withdrawn by Proponent

GG386-11

Committee Action:

Disapproved

Committee Reason: To be consistent with prior action on GG383-11.

Assembly Action:

None

GG387-11

Committee Action:

Disapproved

Committee Reason: The committee prefers GG150-11 and GG400-11.

Assembly Action:

None

GG388-11

Committee Action:

Disapproved

Committee Reason: The proposal has some merit, but lacks clarity as to what is and is not included and, as such, is not code ready at this time.

Assembly Action:

None

GG389-11

Committee Action:

Disapproved

Committee Reason: The elective was moved into the mandatory requirements with GG150-11, and having another choice here would cause many to simply go with the lowest common denominator.

Assembly Action:

None

GG390-11

Committee Action:

Disapproved

Committee Reason: Wood as a material or product under bio-based materials, as currently addressed in the code, is adequate and sufficient as opposed to creating a separate category for it.

Assembly Action:

None

GG391-11

Committee Action:

Disapproved

Committee Reason: Volume based calculations can be problematic. The existing mass and cost based calculation methods are adequate.

Assembly Action:

None

GG392-11

Committee Action:

Disapproved

Committee Reason: Although a good concept, this proposal adds ambiguity to the code and is not ready for inclusion in the code at this time. The building official should not be put in a position to determine whether materials are environmentally preferable.

Assembly Action:

None

GG393-11

Committee Action:

Disapproved

Committee Reason: This proposal reduces the flexibility of the code and the text of ASTM C 1600 does not provide enough direction.

Assembly Action:

None

GG394-11

Committee Action:

Disapproved

Committee Reason: Based on prior committee action on GG150-11. The language in this proposal does not appear to be consistent with the language in GG150-11.

Assembly Action:

None

GG395-11

Committee Action:

Disapproved

Committee Reason: Although providing exceptions for particular regional characteristics is an interesting concept, there are already 5 ways to comply with these provisions, making the proposed exception unnecessary.

Assembly Action:

None

GG396-11

Committee Action:

Disapproved

Committee Reason: The existing language provides a connection to design life and service life that is a good reminder of their relationship to material selection.

Assembly Action:

None

GG397-11

Committee Action:

Withdrawn by Proponent

GG398-11

Committee Action:

Disapproved

Committee Reason: The proposed lower percentage threshold decreases the effectiveness of Section 503.2.

Assembly Action:

None

GG399-11

Committee Action:

Approved as Submitted

Committee Reason: Based on proponent's printed reason.

Assembly Action:

None

GG400-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

NON RENEWABLE PRIMARY ENERGY. The fossil and mineral energy sources, coal, natural gas, crude oil and uranium, drawn directly from the earth and that cannot be replaced once they are consumed was used in the work to make any building material, bring it to market, install or assemble the product in the building, and maintain it over its service life, including feedstock energy.

TABLE 503.3.1 (1)
BUILDINGS 5 6 STORIES IN HEIGHT OR GREATER ABOVE GRADE PLANE

(Remainder of proposal to be unchanged)

Committee Reason: This is the best proposal we have seen for LCA analysis, provides opportunities for industry to move forward and, as an exception to Section 503.1, is not a mandatory requirement. This proposal differs from the whole building LCA analysis approved earlier by the committee in GG150-11. The modified definition is much cleaner than that originally proposed.

Assembly Action:

None

GG401-11

Committee Action: Disapproved

Committee Reason: Not all projects, an example being design/build projects, have a schedule of values such as assumed by this proposal.

Assembly Action: None

GG402-11

Committee Action: Disapproved

Committee Reason: It is important to give designers the option of using either cost or mass.

Assembly Action: None

GG403-11

Committee Action: Disapproved

Committee Reason: The proposal adds unnecessary complexity and does not further the intent of Section 503.2.

Assembly Action: None

GG404-11

Committee Action: Disapproved

Committee Reason: This information is already sufficiently addressed elsewhere in the IgCC and other I-Codes.

Assembly Action: None

GG405-11

Committee Action: Approved as Submitted

Committee Reason: This proposal adds clarity and reinforces the intent of the code.

Assembly Action: None

GG406-11

Committee Action: Disapproved

Committee Reason: This information is already addressed in Chapter 1 of the IgCC.

Assembly Action: None

GG407-11

Committee Action: Disapproved

Committee Reason: The intent of this section is to treat materials as a whole.

Assembly Action: None

GG408-11

Committee Action:

Disapproved

Committee Reason: It is important to keep the metrics in the existing text and both pre and post consumer recovered materials should be addressed. The proposed mass or cost component could create confusion.

Assembly Action:

None

GG409-11

Committee Action:

Disapproved

Committee Reason: The standard referenced in the proposal is not yet approved.

Assembly Action:

None

GG410-11

Withdrawn by Proponent

GG411-11

Committee Action:

Disapproved

Committee Reason: The connection between recycled and recyclable materials needs to be maintained.

Assembly Action:

None

GG412-11

Committee Action:

Approved as Submitted

Committee Reason: Based on floor testimony, this proposal has widespread appeal and industry support.

Assembly Action:

None

GG413-11

Committee Action:

Disapproved

Committee Reason: Although it may be valuable to allow additional options, guidelines are typically not suitable for inclusion in the codes.

Assembly Action:

None

GG414-11

Committee Action:

Disapproved

Committee Reason: This proposal takes recyclable building materials out of the listing and brings recyclable and reusable back into recycled content, which leaves fewer options for compliance with 503.2.

Assembly Action:

None

GG415-11

Committee Action:

Disapproved

Committee Reason: To be consistent with prior committee action on GG408-11.

Assembly Action:

None

GG416-11

Committee Action:

Approved as Submitted

Committee Reason: No one particular metric should be the exclusive option for recyclability of building materials and this proposal expands the opportunity for recycling. The proposed closed loop concept is extremely valuable and this proposal could encourage more companies to establish take-back programs. This step of having manufacturer's take more responsibility for recycling is a long time coming.

Assembly Action:

None

GG417-11

Committee Action:

Disapproved

Committee Reason: It would be difficult to get the program in place given the hardship placed on some industries, such as related to by floor testimony from representatives of the plastics industry. As such, the proposal is a bit pre-mature and may be unenforceable. ASTM D7611 is not in accordance with CP-28.

Assembly Action:

None

GG418-11

Committee Action:

Disapproved

Committee Reason: The proposal does not clearly identify what is required.

Assembly Action:

Approved as Submitted

GG419-11

Committee Action:

Approved as Submitted

Committee Reason: It is appropriate to add "building components" to the scope of Section 503.2.3. This builds upon prior committee action on GG405-11.

Assembly Action:

None

GG420-11

Committee Action:

Disapproved

Committee Reason: Relating only to the USA in an international code can be problematic. Structural wall panels would not comply. Fifty percent should be the absolute minimum threshold.

Assembly Action:

None

GG421-11

Committee Action:

Approved as Submitted

Committee Reason: Requirements, such as the referenced standard, belong in the body of the code, not in the definitions.

Assembly Action:

None

GG422-11

Committee Action:

Disapproved

Committee Reason: This proposal relies too heavily on the term "approved source."

Assembly Action:

None

GG423-11

Committee Action:

Disapproved

Committee Reason: The committee prefers GG424-11.

Assembly Action:

None

GG424-11

Committee Action:

Approved as Submitted

Committee Reason: This proposal brings the code in much closer alignment with USDA standards.

Assembly Action:

None

GG425-11

Committee Action:

Approved as Submitted

Committee Reason: As the first sentence in Item 1 is out of place in Section 503.2.4, deletion is appropriate.

Assembly Action:

None

GG426-11

Committee Action:

Withdrawn by Proponent

GG427-11

Committee Action:

Disapproved

Committee Reason: Similar programs for other materials should be recognized.

Assembly Action:

None

GG428-11

Committee Action:

Disapproved

Committee Reason: This proposal makes some good points, but the language is not clear and the water and rail numbers are questionable.

Assembly Action:

None

GG429-11

Committee Action:

Disapproved

Committee Reason: The proposal substantially reduces the effectiveness of Section 503.2.5.

Assembly Action:

None

GG430-11

Committee Action: Disapproved

Committee Reason: Although the proposed definitions provide some clarity, the use of “and” rather than “or” in the first proposed sentence is a problem in that it makes this provision much less effective.

Assembly Action: None

GG431-11

Committee Action: Disapproved

Committee Reason: While the proposed calculation is valid, it is overly complex and is unnecessary in light of the metrics that are already provided.

Assembly Action: None

GG432-11

Committee Action: Disapproved

Committee Reason: Indigenous materials are an important concept which should be addressed by the code.

Assembly Action: None

GG433-11

Committee Action: Disapproved

Committee Reason: Great concept, but this code may not be the place for it and the language has problems.

Assembly Action: None

GG434-11

Committee Action: Disapproved

Committee Reason: The proposal is technically unclear and the reason statement primarily addresses gas ranges.

Assembly Action: None

GG435-11

Committee Action: Approved as Submitted

Committee Reason: Based on proponent’s reason.

Assembly Action: None

GG436-11

Committee Action: Disapproved

Committee Reason: A floor modification by the proponent cast doubt on the validity of the proposal. As the proponent was attending Track 1 of the hearings, he was unable to offer a supporting argument to clarify the confusion.

Assembly Action: None

GG437-11

Committee Action:

Approved as Submitted

Committee Reason: Most fluorescent lamps will comply with this standard.

Assembly Action:

None

GG438-11

Committee Action:

Disapproved

Committee Reason: Service life may need further refinement, but it should remain in the code so that it can move forward. Service life is a necessity which presents an opportunity to move forward. This will make the market more competitive.

Assembly Action:

None

GG439-11

Withdrawn by Proponent

GG440-11

Committee Action:

Disapproved

Committee Reason: To be consistent with the committee's prior action on GG438-11.

Assembly Action:

Approved as Submitted

GG441-11

Committee Action:

Approved as Submitted

Committee Reason: This version of the project elective is more likely to actually be used than the original version.

Assembly Action:

None

GG442-11

Committee Action:

Disapproved

Committee Reason: Based on prior committee action on GG441-11.

Assembly Action:

None

GG443-11

Committee Action:

Disapproved

Committee Reason: The numbers in question must be coordinated with the codes requirements for Life Cycle Analysis.

Assembly Action:

None

GG444-11

Committee Action:

Disapproved

Committee Reason: This proposal has language problems and the service life for non-structural items may be excessive.

Assembly Action:

None

GG445-11

Committee Action: Disapproved

Committee Reason: This is good guiding information, but is not yet code ready.

Assembly Action: None

GG446-11

Committee Action: Approved as Submitted

Committee Reason: This proposal is primarily editorial in nature and adds consistency to the terms used in the code related to service life and design life.

Assembly Action: None

GG447-11

Committee Action: Approved as Submitted

Committee Reason: This is good practice.

Assembly Action: None

GG448-11

Committee Action: Disapproved

Committee Reason: Rather than the language "reference service life" being struck, it might be preferable to replace it with "if made available or "if available." It is important that parameters for design life be placed around windows, but this proposal needs work. Possibly a separate row for glazing that addresses various frame materials is in order.

Assembly Action: None

GG449-11

Committee Action: Disapproved

Committee Reason: Design life is an important concept which should be addressed in the IgCC.

Assembly Action: None

GG450-11

Committee Action: Disapproved

Committee Reason: The intent of the proposed change is already addressed by other portions of the table.

Assembly Action: None

GG451-11

Committee Action: Disapproved

Committee Reason: This is a good start, but it eliminates some sustainable equipment, such as some photovoltaics.

Assembly Action: None

GG452-11

Committee Action: Disapproved

Committee Reason: The proposal is vague and the language is incomplete.

Assembly Action: None

GG453-11

Committee Action: Disapproved

Committee Reason: Building design life requirements should not be reduced.

Assembly Action: None

GG454-11

Committee Action: Disapproved

Committee Reason: Electrical systems are important components and should be required to have a minimum service life as specified in the code.

Assembly Action: None

GG455-11

Committee Action: Disapproved

Committee Reason: The information submitted in the proposal is incomplete.

Assembly Action: None

GG456-11

Committee Action: Disapproved

Committee Reason: This proposal is redundant with information already contained in Table 505.1.1. The concept might be more acceptable if it specifically addressed exterior wall coverings.

Assembly Action: None

GG457-11

Committee Action: Disapproved

Committee Reason: Modular buildings are purported to be equal to other buildings. As such, we need their design life to be consistent with other similar structures.

Assembly Action: None

GG458-11

Committee Action: Disapproved

Committee Reason: Moisture control is an important component of the IgCC.

Assembly Action: None

GG459-11

Committee Action:

Disapproved

Committee Reason: Previous committee action on GG502-11 made this a project elective.

Assembly Action:

None

GG460-11

Committee Action:

Disapproved

Committee Reason: Previous committee action on GG502-11 made this a project elective. This proposal adds a metric that is not clear or measurable.

Assembly Action:

None

GG461-11

Committee Action:

Disapproved

Committee Reason: Previous committee action on GG502-11 made this a project elective.

Assembly Action:

None

GG462-11

Committee Action:

Approved as Submitted

Committee Reason: Printed instructions are better than recommendations.

Assembly Action:

None

GG463-11

Committee Action:

Disapproved

Committee Reason: The proposed language is vague and unenforceable.

Assembly Action:

None

GG464-11

Committee Action:

Disapproved

Committee Reason: The proposed language is unnecessary as it duplicates information which is already addressed elsewhere in the codes.

Assembly Action:

None

GG465-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

506.2 Construction phase moisture control. Porous or fibrous materials and other materials subject to moisture damage shall be protected from moisture during the construction phase. Material damaged by moisture or that are visibly colonized by fungi either prior to delivery or during the construction phase shall be cleaned and dried or, where damage cannot be corrected by such means, shall be removed and replaced, or not installed.

Committee Reason: The proposed revisions provide clarity. The modification removes unnecessary and potentially confusing language.

Assembly Action: **None**

GG466-11

Committee Action: **Disapproved**

Committee Reason: Waterproofing and dampproofing are already adequately addressed in other codes.

Assembly Action: **None**

GG467-11

Committee Action: **Disapproved**

Committee Reason: This is an unnecessary duplication of information that is already in the building code. To be consistent with previous committee action on GG464-11. If the proponent is concerned with applications relative to concrete, an exception in IgCC Section 506.2 might be in order rather than a duplication of requirements in other I-Codes.

Assembly Action: **None**

GG468-11

Committee Action: **Disapproved**

Committee Reason: The proposed change does not clarify or improve the language of the code. Furthermore, some inorganic materials can be damaged by moisture.

Assembly Action: **None**

GG469-11

Committee Action: **Disapproved**

Committee Reason: Though this proposal adds a number of improvements, especially regarding the commissioning plan, it introduces definitions that are not clear. This item should not be made a requirement determined by the jurisdiction in Table 302.1.

Assembly Action: **None**

GG470-11

Committee Action: **Disapproved**

Committee Reason: To be consistent with prior committee action on GG472-11. It is important to retain verification.

Assembly Action: **None**

GG471-11

Committee Action: **Approved as Submitted**

Committee Reason: Based on proponent's reason.

Assembly Action: **None**

GG472-11

Committee Action:

Approved as Submitted

Committee Reason: This proposal deletes redundant language in the code.

Assembly Action:

None

GG473-11

Committee Action:

Disapproved

Committee Reason: This proposal is convoluted and unclear.

Assembly Action:

None

GG474-11

Committee Action:

Approved as Submitted

Committee Reason: The continued development of strawbale technology can be facilitated in the appendix, but there are structural and life safety issues which should be vetted. Strawbale requirements, if they were to remain in the body of the code, may be better addressed as an elective with no construction parameters at this point in time. The I-Codes should apply similar fundamental principles to all materials and not give preferential treatment to any. Yet the IgCC needs to embrace and encourage the development of "natural" materials, though some committee members feel Sections 503 and 105.4 facilitate this already. Strawbale requirements will continue to be vetted through the ICC code development process during the subsequent public comment period and final action hearings.

Assembly Action:

None

GG475-11

Committee Action:

Approved as Submitted

Committee Reason: There are many examples of commercial strawbale construction. This criteria is not suited for the body of the code and is more appropriately placed in an appendix. Although strawbale provisions may ultimately be better suited for the IBC, it is not there, and an appendix is a good holding place. One of the reasons for creating the IgCC is to move sustainable practices forward that have not been addressed in other codes, and this proposal does that.

Assembly Action:

None

GG476-11

Committee Action:

Disapproved

Committee Reason: The current code language is sufficiently clear.

Assembly Action:

None

GG477-11

Committee Action:

Approved as Submitted

Committee Reason: This proposal makes beneficial technical fixes and cleans up vague language.

Assembly Action:

None

GG478-11

Committee Action:

Approved as Submitted

Committee Reason: Based on proponent's reason.

Assembly Action:

None

GG479-11

Committee Action:

Approved as Submitted

Committee Reason: This proposal simplifies Section 507.4 and clarifies how to comply.

Assembly Action:

None

GG480-11

Committee Action:

Approved as Submitted

Committee Reason: A conservative approach such as this is prudent at this time.

Assembly Action:

None

GG481-11

Committee Action:

Approved as Submitted

Committee Reason: This proposal deletes unnecessary language.

Assembly Action:

None

GG482-11

Committee Action:

Disapproved

Committee Reason: To be consistent with the committee's prior action on GG480-11.

Assembly Action:

None

GG483-11

Committee Action:

Approved as Submitted

Committee Reason: The proposed language clarifies straw bale construction methods.

Assembly Action:

None

GG484-11

Committee Action:

Approved as Submitted

Committee Reason: Based on proponent's printed reason.

Assembly Action:

None

GG485-11

Committee Action:

Disapproved

Committee Reason: To be consistent with the committee's prior action on GG480-11 and because the proposal is too complex.

Assembly Action:

None

GG486-11

Committee Action:

Disapproved

Committee Reason: Based on floor testimony, this is a technically flawed proposal that could create more problems than it solves.

Assembly Action:

None

GG487-11

Committee Action:

Disapproved

Committee Reason: The existing language is sufficiently clear such that a reference to a standard is not necessary.

Assembly Action:

None

GG488-11

Committee Action:

Approved as Submitted

Committee Reason: It is not within the scope or purpose of the IgCC to set requirements for electrical systems.

Assembly Action:

None

GG489-11

Committee Action:

Disapproved

Committee Reason: To be consistent with prior committee action on GG488-11.

Assembly Action:

None

GG490-11

Committee Action:

Disapproved

Committee Reason: Different methods are allowed for the calculation of thermal resistance and the existing criteria in the IgCC is acceptable. The proposed standards were not made available for review by the committee prior to the hearings.

Assembly Action:

None

GG491-11

Committee Action:

Disapproved

Committee Reason: Technical disparities with this proposal were raised during floor testimony.

Assembly Action:

None

GG492-11

Committee Action:

Disapproved

Committee Reason: The proposed requirements clearly belong in the IBC initially. Then the IgCC can deal with the sustainable aspects. The first sentence indicates that the proposal regulates the design and construction of frost protected shallow foundations, yet there are no design or construction requirements.

Assembly Action:

None

GG493-11

Committee Action:

Approved as Submitted

Committee Reason: This is an important clarification to the provision.

Assembly Action:

None

GG494-11

Committee Action:

Approved as Submitted

Committee Reason: Based on proponent's printed reason.

Assembly Action:

None

GG495-11

Committee Action:

Approved as Submitted

Committee Reason: This proposal coordinates Section 508.3 with the related mandatory provisions of the code.

Assembly Action:

None

GG496-11

Committee Action:

Disapproved

Committee Reason: The proposed language is not specific enough to provide adequate guidance.

Assembly Action:

None

GG497-11

Committee Action:

Approved as Submitted

Committee Reason: This project elective further encourages the diversion of waste.

Assembly Action:

None

GG498-11

Committee Action:

Approved as Submitted

Committee Reason: This is a necessary addition and is consistent with Table 505.1.

Assembly Action:

None

GG499-11

Committee Action: Disapproved

Committee Reason: To be consistent with the committee's previous action on GG498-11.

Assembly Action: None

GG500-11

Committee Action: Disapproved

Committee Reason: Previous floor testimony indicated that electrical components could have a service life of up to 25 years.

Assembly Action: None

GG501-11

Committee Action: Disapproved

Committee Reason: The proposed text is vague and a 20 year requirement in a 200 year building is not adequate.

Assembly Action: None

GG502-11

Committee Action: Approved as Submitted

Committee Reason: The proposed project elective promotes building design and reuse.

Assembly Action: None

GG503-11

Committee Action: Disapproved

Committee Reason: The practice proposed has questionable value in some applications.

Assembly Action: None

GG504-11

Committee Action: Disapproved

Committee Reason: This is not as worthy or effective as other practices addressed in Section 503.2. Furthermore, this is not the proper location to address such a practice.

Assembly Action: None

GG505-11

Committee Action: Disapproved

Committee Reason: The proposed revision minimizes the intent of the overall code. Well being is not defined in any statement of intent in any code. The intent of a code is not a regulation in itself. If it is appropriate to remove a select term, that suggests that all such terms could be removed.

Assembly Action: None

GG506-11

Committee Action: Disapproved

Committee Reason: Sections 802 through 805 provide the details for what is to be included in the IAQ management plan.

Assembly Action: None

GG507-11

Committee Action: Disapproved

Committee Reason: The proposed text overlaps Section 805, goes beyond what the occupants would be exposed to and is impossible to enforce in the design phase of a project.

Assembly Action: None

GG508-11

Committee Action: Disapproved

Committee Reason: The IgCC is not an operation code. Such plans should be developed under OSHA rules.

Assembly Action: None

GG509-11

Withdrawn by Proponent

GG510-11

Committee Action: Approved as Submitted

Committee Reason: This subject is already covered in the IMC.

Assembly Action: None

GG511-11

Committee Action: Approved as Submitted

Committee Reason: This subject is already covered in the IMC.

Assembly Action: None

GG512-11

Committee Action: Disapproved

Committee Reason: Substantiating data lacking. The proposed text limits options for designers, limits reuse of existing buildings and restricts floor plans. This subject is more appropriate for the IMC. The prohibition on pipes and wires could interfere with the installation of fire sprinkler piping and communication cables.

Assembly Action: None

GG513-11

Committee Action:

Approved as Submitted

Committee Reason: The proposed text is consistent with SMACNA guidelines and provides a "green" option for ventilation that limits the migration of contaminants from the work areas.

Assembly Action:

None

GG514-11

Committee Action:

Committee Reason: This proposal appropriately duplicates provisions of Section 716.5.2 exception 3 as an exception 4 for fire partitions to allow for a wall type with lesser restrictions on its use.

Assembly Action:

None

GG515-11

Committee Action:

Disapproved

Committee Reason: The proposed guidelines do not comply with ICC policy for referenced standards.

Assembly Action:

None

GG516-11

Committee Action:

Disapproved

Committee Reason: The proposed text would apply to new construction and to building constructed after the 1978 ban of lead in paints. The revision should apply to remodeling only. Higher MERV ratings result in more frequent filter replacement.

Assembly Action:

None

GG517-11

Committee Action:

Disapproved

Committee Reason: The proposed standard does not comply with ICC policy for referenced standards and the proposal would limit all such designs to a single standard.

Assembly Action:

None

GG518-11

Committee Action:

Disapproved

Committee Reason: The requirement for signage is needed because this code is not limited to application in the USA, because local laws are not consistent in the USA and because this issue is not limited to large buildings. The signage is informative to visitors and it is easy to provide.

Assembly Action:

Approved as Submitted

GG519-11

Withdrawn by Proponent

GG520-11

Committee Action:

Disapproved

Committee Reason: This is a core issue for a "green" code, is consistent with typical local and state laws, is enforceable and is needed to prevent smoke from entering outdoor air intake openings.

Assembly Action:

None

GG521-11

Committee Action:

Disapproved

Committee Reason: The proposed revision relates to a post-occupancy issue that cannot be enforced and would expand this section to include any rooms where any chemicals are used.

Assembly Action:

None

GG522-11

Committee Action:

Disapproved

Committee Reason: The proposed exhaust rate of 200 cfm and the requirement for a "point source" hood are not justified and could be overkill in this application.

Assembly Action:

None

GG523-11

Committee Action:

Disapproved

Committee Reason: The threshold of 200 ft² is needed to limit the application of this section. The proposed sealing requirements could be excessive and an unnecessary expense.

Assembly Action:

None

GG524-11

Committee Action:

Disapproved

Committee Reason: The current text is needed to address contaminants in enclosed spaces and addressing selective contaminant sources is preferable to being silent on the issue.

Assembly Action:

None

GG525-11

Committee Action:

Approved as Submitted

Committee Reason: The proposed revision will help maintain a balance between indoor air quality and energy efficiency.

Assembly Action:

None

GG526-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

804.1 Fireplaces and appliances. Where located within *buildings*, *fireplaces*, solid fuel-burning appliances, vented decorative gas appliances, vented gas *fireplace* heaters and decorative gas appliances for installation in *fireplaces* shall comply with Sections 804.1.1 through 804.1.7 ~~and the International Mechanical Code,~~

~~International Fuel Gas Code, and International Building Code.~~ Unvented room heaters and unvented decorative appliances, including alcohol burning, shall be prohibited.

804.1.5 Wood-fired appliances. Wood stoves and wood *fireplace* inserts shall be *listed* in accordance with UL 1482 and shall be certified in accordance with the requirements of the International Mechanical Code and with of the EPA Standards of Performance for New Residential Wood Heaters, 40 CFR Part 60 subpart AAA.

Committee Reason: Approval is based on proponent's printed reason. Masonry fireplaces don't have installation instructions. The modification recognizes that if references to other codes are needed here, then they are needed everywhere. The references to other codes are redundant with the principle of an overlay code.

Assembly Action: **None**

GG527-11

Committee Action: **Disapproved**

Committee Reason: It is not appropriate for the code to ban specific products. Upcoming proposal may better address the issue.

Assembly Action: **None**

GG528-11

Committee Action: **Disapproved**

Committee Reason: Disapproval is based on action taken on GG527.

Assembly Action: **None**

GG529-11

Committee Action: **Disapproved**

Committee Reason: Combustion products don't belong indoors. This is a matter of indoor air quality, not a matter of appliance safety.

Assembly Action: **None**

GG530-11

Committee Action: **Disapproved**

Committee Reason: The proposed standard does not comply with ICC policy for referenced standards.

Assembly Action: **None**

GG531-11

Committee Action: **Disapproved**

Such text is more appropriate in another ICC code. The proposed new text is confusing in an exception format relative to prohibiting something in the main section and not prohibiting it in the exception.

Assembly Action: **None**

GG532-11

Committee Action: **Disapproved**

Committee Reason: The proposed requirements belong in another ICC code, not in an overlay code.

Assembly Action: **None**

GG533-11

Committee Action:

Approved as Submitted

Committee Reason: Based on proponents printed reason.

Assembly Action:

None

GG534-11

Committee Action:

Disapproved

Committee Reason: The proposed requirements belong in another ICC code, not in an overlay code.

Assembly Action:

None

GG535-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action:

None

GG536-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action:

None

GG537-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action:

None

GG538-11

Committee Action:

Disapproved

Committee Reason: The outdoor air requirements for fireplaces and other specific coverage for fuel-fired appliances need to remain in the IgCC as they are IAQ related.

Assembly Action:

None

GG539-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reasons.

Assembly Action:

None

GG540-11

Committee Action:

Disapproved

Committee Reason: The map and table are needed to provide guidance for this health issue and to promote local testing of buildings.

Assembly Action:

None

GG541-11

Committee Action:

Disapproved

Committee Reason: There is no justification for limiting the application to certain use groups as opposed to all. The code would be less stringent by equating an ASD system to a PSD system.

Assembly Action:

None

GG542-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action:

None

GG543-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action:

None

GG544-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action:

None

GG545-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action:

None

GG546-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

804.2.2 Radon vent piping. Radon vent piping shall be not less than 6 inches in diameter and constructed of solid PVC or equivalent gas-tight pipe.

804.2.2.1 Subslab suction pit horizontal vent pipe. A section of vent pipe not less than of 5 feet in length shall be placed in the aggregate and shall enter the suction pit horizontally. One end of the vent pipe shall be placed so as to terminate midway in the suction pit. The vent pipe shall be supported at the boundary of the aggregate-void space so as to maintain its position. The horizontal pipe run shall provide positive condensation drainage to the suction pit with a pitch of not less than 1/8 inch per foot.

804.2.2.2 Subslab suction pit vertical vent pipe A 90-degree elbow shall be installed on the end of the vent pipe in the aggregate. A section of vent pipe shall be connected to the elbow and shall pass vertically through and above the slab to a height of not less than two feet, and shall be covered with a temporary cap. A pipe sleeve or coupling extending through the full depth of the slab shall be used to protect the vent pipe where it passes through the slab, and the slab penetration shall be sealed in accordance with Section 804.2.3.

Committee Reason: Approval is based on the proponent's printed reason. The modification allows cellular core piping as an option to solid- wall piping

Assembly Action: **None**

GG547-11

Committee Action: **Approved as Submitted**

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action: **None**

GG548-11

Committee Action: **Approved as Submitted**

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action: **None**

GG549-11

Committee Action: **Approved as Submitted**

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action: **None**

GG550-11

Committee Action: **Approved as Modified**

Modify the proposal as follows:

804.2.5.1 Vent piping. Radon vent piping shall be constructed of solid PVC or equivalent gas-tight pipe and shall be not less than 6 inches in diameter. The vent pipe shall be extended from above the slab at the suction pit up through the building floors, and terminate at least 24 inches (610 mm) above the surface of the roof. The vent piping between the slab and the interior roof of the building shall be labeled at not greater than 10 foot intervals as a radon reduction system. The section of vent pipe above the roof shall be labeled as a radon reduction system. The roof label shall also prohibit the placement of air intakes within 25 feet (7620 mm) of the vent pipe discharge. Radon reduction systems with a vent fan shall be configured to achieve a dilution ratio of not less than 1000:1 at the nearest air intake or operable opening.

804.2.5.2 Multiple vent pipes. In buildings with interior footings or other barriers in the subslab aggregate or other gas-permeable material, each area separated by such footings or barriers shall be fitted with an individual suction pit and vent pipe. Vent pipes shall connect to a single vent that terminates above the roof or individual vent pipes shall terminate separately above the roof.

Committee Reason: Approval is consistent with the action on GG546. The modification allows cellular core piping as an option to solid- wall piping

Assembly Action: **None**

GG551-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason

Assembly Action:

None

GG552-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason

Assembly Action:

None

GG553-11

Committee Action:

Disapproved

Committee Reason: The proposed text limits the location of the junction box to only the roof and the code allows other vent pipe termination locations.

Assembly Action:

None

GG554-11

Committee Action:

Disapproved

Committee Reason: Radon mitigation is an important issue and demoting its coverage to an appendix lessens the chances that such coverage will be applied.

Assembly Action:

None

GG555-11

Committee Action:

Disapproved

Committee Reason: Disapproval is based on the assembly action for GG560.

Assembly Action:

None

GG556-11

Committee Action:

Disapproved

Committee Reason: Disapproval is based on the assembly action for GG506-11.

Assembly Action:

None

GG557-11

Committee Action:

Disapproved

Committee Reason: Disapproval is based on the assembly action for GG560.

Assembly Action:

None

GG558-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

804.3 Building flush out. After all interior finishes are installed, the *building* shall be flushed-out by supplying continuous *ventilation* with all air handling units at their maximum outdoor air rate for at least 14 days while maintaining an internal temperature of at least 60°F, and relative humidity not higher than 60 percent. Occupancy shall be permitted to start 7 days after start of the flush-out, provided that flush-out continues for the full 14 days. The *building* shall not be “baked out” by increasing the temperature of the space. Where continuous *ventilation* is not possible, the aggregate of flush-out periods shall be equivalent to 14 days of continuous *ventilation*.

Exceptions:

1. Group S, F, H and U occupancies shall not be required to comply with this section.
2. A building shall not be required to be flushed-out where it is tested for indoor air quality and the testing results indicate that the levels of VOC's meet the levels specified in Table 804.3 using testing protocols in accordance with ASTM-D1357 and ASTM-D3686, ASTM-D3687, ASTM D5197 or ASTM D5466. or the U.S. EPA Compendium of Methods for the Determination of Air Pollutants in Indoor Air.

Table 804.3
Maximum Concentration of Air Pollutants

Pollutant	Maximum Concentration Level, ug/m ³ (unless otherwise noted)
Acetaldehyde	140
Acrylonitrile	5
Benzene	60
1,3-Butadiene	20
t-Butyl methyl ether	8000
Carbon disulfide	800
Caprolactam ^a	100
Carbon tetrachloride	40
Chlorobenzene	1000
Chloroform	300
1,4-Dichlorobenzene	800
Dichloromethane	400
1,4-Dioxane	3000
Ethylbenzene	2000
Ethylene glycol	400
Formaldehyde	27
2-Ethylhexanoic acid ^a	25
n-Hexane	7000
1-Methyl-2-pyrrolidinone ^a	160
Naphthalene	9
Nonanal ^a	13
Octanal ^a	7.2
Phenol	200
4-Phenylcyclohexene (4-PCH) ^a	2.5

Pollutant	Maximum Concentration Level, ug/m ³ (unless otherwise noted)
2-Propanol	7000
Styrene	900
Tetrachloroethene	35
Toluene	300
1,1,1-Trichloroethane	1000
Trichloroethene	600
Xylene isomers	700
Total Volatile Organic Compounds (TVOC)	500
Particulates (PM 2.5)	35 (24-hr)
Particulates (PM 10)	150 (24-hr)
Carbon Monoxide	9 ppm and not greater than 2 ppm above outdoor levels

- a. This chemical has a limit only where carpets and fabrics with styrene butadiene rubber (SBR) latex backing material are installed as part of the base building systems.

Add new standards to Chapter 12 as follows:

ASTM D1357-(2005)
Practice for Planning the Sampling of the Ambient Atmosphere

ASTM D3686-08
Practice for Sampling Atmospheres to Collect Organic Compound Vapors
(Activated Charcoal Tube Method)

ASTM D3687-07
Practice for Analysis of Organic Compound Vapors Collected by the Activated Charcoal Tube Adsorption Method

ASTM D5197-09
Test Method for Determination of Formaldehyde and Other Carbonyl Compounds in Air (Active Sampler Methodology)

ASTM D5466-01 (2007)
Test Method for Determination of Volatile Organic Chemicals in Atmospheres (Canister Sampling Methodology)

EPA 625/R-96/010A-1999
Compendium of Methods for the Determination of Toxic Organic Pollutants in Ambient Air

Committee Reason: The proposed text provides the means for code officials to interpret the testing results. Building flush-outs are not always effective. The modification deletes the standards that do not comply with the ICC policy for referenced standards.

Assembly Action: **None**

GG559-11

Committee Action: **Approved as Modified**

Modify the proposal as follows:

804.3 Building flush out. After all interior finishes are installed, the *building* shall be flushed-out by supplying continuous *ventilation* with all air handling units at their maximum outdoor air rate for at least 14 days while maintaining an internal temperature of at least 60°F, and relative humidity not higher than 60 percent. Occupancy shall be permitted to start 7 days after start of the flush-out, provided that flush-out continues for the full 14 days. The *building* shall not be “baked out” by increasing the temperature of the space. Where

continuous *ventilation* is not possible, the aggregate of flush-out periods shall be equivalent to 14 days of continuous *ventilation*.

Exceptions:

1. Group S, F, H and U occupancies shall not be required to comply with this section.
2. A building shall not be required to be flushed-out where it is tested for indoor air quality and the testing results indicate that the levels of VOC's are acceptable. ~~using testing protocols in accordance with ASTM D1357 and ASTM D3686, ASTM D3687, ASTM D5197, ASTM D5466, or the U.S. EPA Compendium of Methods for the Determination of Air Pollutants in Indoor Air.~~
3. A building shall not be required to be flushed-out where a similarly designed and constructed building - as determined by the *registered design professional*, for the same Owner or Tenant has been tested for indoor air quality and the testing results indicate that the level of VOC's are acceptable using testing protocols in accordance with ASTM D1357 and ASTM D3686, ASTM D3687, ASTM D5197 ~~or~~ ASTM D5466. ~~or the U.S. EPA Compendium of Methods for the Determination of Air Pollutants in Indoor Air.~~

Add new standards to Chapter 12 as follows:

ASTM D1357-(2005)
Practice for Planning the Sampling of the Ambient Atmosphere

ASTM D3686-08
Practice for Sampling Atmospheres to Collect Organic Compound Vapors
(Activated Charcoal Tube Method)

ASTM D3687-07
Practice for Analysis of Organic Compound Vapors Collected by the Activated Charcoal Tube Adsorption Method

ASTM D5197-09 e1
Test Method for Determination of Formaldehyde and Other Carbonyl Compounds in Air (Active Sampler Methodology)

ASTM D5466-01 (2007)
Test Method for Determination of Volatile Organic Chemicals in Atmospheres (Canister Sampling Methodology)

EPA 625/R-96/010A-1999
Compendium of Methods for the Determination of Inorganic Compounds in Ambient Air

Committee Reason: Approval as modified is consistent with the action on GG558.

Assembly Action: **None**

GG560-11

Committee Action: **Disapproved**

Committee Reason: The flush-out requirement is not that onerous and the current exceptions allow the flush-out to be avoided.

Assembly Action: **None**

GG561-11

Committee Action: **Disapproved**

Committee Reason: The building entry protection system prevents contaminants from entering the building and is green code worthy. Total deletion of it goes too far.

Assembly Action: **None**

GG562-11

Committee Action: **Disapproved**

Committee Reason: Such coverage belongs in the IBC. It is questionable that rodent control is a sustainability related subject.

Assembly Action: **None**

GG563-11

Committee Action:

Disapproved

Committee Reason: The proposed text is not within the scope of the IgCC and is better left in federal regulations. The proposed text is not consistent with typical code language.

Assembly Action:

None

GG564-11

Committee Action:

Approved as Submitted

Committee Reason: Applied is based on the proponent's printed reason.

Assembly Action:

None

GG565-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

806.1 Emissions from glued wood products. Glued Composite wood products used interior to the approved weather covering of the building shall comply with the emission limits or be manufactured in accordance with the standards cited in Table 806.1. Compliance with emission limits shall be demonstrated following the requirements of Section 93120 of title 17, California Code of Regulations, Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Products.

Exceptions:

1. Glued Composite wood products that are made using adhesives that do not contain urea-formaldehyde (UF) resins.
2. Glued Composite wood products that are sealed on all sides and edges.
3. Glued Composite wood products that are used to make elements considered to be furniture, fixtures and equipment (FF&E) that are not permanently installed.
4. ~~Glued Wood Products that are not included in the definition of "Composite Wood Products" in Section 93120.1, paragraph (a), subsection (8) of title 17, California Code of Regulations, Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Products~~

**TABLE 806.1
GLUED PRODUCTS EMISSIONS**

PRODUCT	FORMALDEHYDE LIMIT (ppm)	STANDARD
Hardwood plywood	0.05	-
Particle board	0.09	-
Medium density fiberboard	0.11	-
Thin medium density fiberboard ^a	0.13	-
Wood Structural Panels (plywood and OSB) manufactured with moisture resistant adhesives rated with the EXTERIOR or EXPOSURE 1 Bond Classification	-	DOC PS1 or DOC PS2
Prefabricated I-joist	-	ASTM D5055
Structural Composite Lumber	-	ASTM D5456
Glued-laminated Timber	-	ANSI/AITC 190.1

a. Maximum thickness of 5/16 inch (8mm).

Add new standard to Chapter 12 as follows:

ANSI/AITC 190.1-2007 Structural Glued Laminated Timber

Committee Reason: Approval is based on the proponent's printed reason. The modification aligns this text with the definition in GG54.

Assembly Action:

None

GG566-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action:

None

GG567-11

Committee Action:

Disapproved

Committee Reason: Deleting the exceptions is not consistent with the intent to promote air quality.

Assembly Action:

None

GG568-11

Committee Action:

Disapproved

Committee Reason: The proposed standard was not reviewed for compliance with ICC policy for referenced standards.

Assembly Action:

None

GG569-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

806.2 Adhesives and sealants. A minimum of 85 percent by weight or volume, of specific categories of site applied adhesives and sealants used on the interior side of the building envelope ~~within the weatherproofing system~~ shall comply with the VOC content limits in Table 806.2(1) or alternative VOC emissions limits in Table 806.2(2). The VOC content shall be determined in accordance with the appropriate standard being either U.S. EPA Method 24, SCAQMD Method 304, 316A or 316B. The exempt compound content shall be determined by either SCAQMD Methods 302 and 303 or ASTM D 3960. Table 806.2(1) adhesives and sealants regulatory category and VOC content compliance determination shall conform to the SCAQMD Rule 1168 Adhesive and sealant Applications as amended on 1/7/05. The provisions of this section shall not apply to adhesives and sealants subject to state or federal consumer product VOC regulations. HVAC duct sealants shall be classified as "Other" category within the SCAQMD Rule 1168 sealants table.

Exception: HVAC air duct sealants are not required to meet the emissions or the VOC content requirements when the air temperature in which they are applied is less than 40°F (4.5°C).

Table 806.2(2) adhesive alternative emissions standards compliance shall be determined utilizing test methodology incorporated by reference in the CDPH/EHLB/Standard Method V1.1 "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers Version 1.1" dated February 2010. The alternative emissions testing shall be performed by a laboratory that has the CDPH/EHLB/Standard Method V1.1 test methodology in the scope of its ISO 17025 Accreditation.

Committee Reason: Approval is based on the proponent's printed reason. The revision clarifies that this section applies inside of the envelope, consistent with the IEQ theme of Chapter 8. The modification clarifies that this section does not apply to roof membranes and adhesives.

Assembly Action:

None

GG570-11

Committee Action:

Disapproved

Committee Reason: Disapproval is consistent with the action on GG578.

Assembly Action:

None

GG571-11

Committee Action:

Disapproved

Committee Reason: There are other available methods that are not included. The proposed standard was not reviewed for compliance with ICC.

Assembly Action:

None

GG572-11

Committee Action:

Disapproved

Committee Reason: Disapproval is consistent with the action on GG578.

Assembly Action:

None

GG573-11

Committee Action:

Disapproved

Committee Reason: The proposed revision is not necessary to maintain IAQ.

Assembly Action:

None

GG574-11

Committee Action:

Disapproved

Committee Reason: Based on the action on GG601.

Assembly Action:

None

GG575-11

Withdrawn by Proponent

GG576-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

TABLE 806.2(2)
SITE APPLIED ADHESIVE AND SEALANTS VOC LIMITS

VOC	LIMIT
Individual VOCs	$\leq \frac{1}{2}$ CA chronic REL ^a
Formaldehyde	$\leq 16.5 \mu\text{g}/\text{m}^3$ or $\leq 13.5 \text{ ppb}$ ^{b,c}

- VOC limit less water and less exempt compounds in grams/liter.
- For low-solid adhesives and sealants, the VOC limit is expressed in grams/liter of material as specified in Rule 1168. For all other adhesives and sealants, the VOC limits are expressed as grams of VOC per liter of adhesive or sealant less water and less exempt compounds as specified in Rule 1168.
- Formaldehyde emission levels need not be reported for materials where formaldehyde is in inherent, trace amounts and formaldehyde is not added by the manufacturer of the material.

TABLE 806.3(2)
ARCHITECTURAL COATINGS VOC EMISSION LIMITS

VOC	LIMIT
Individual	$\leq \frac{1}{2}$ CA chronic REL ^a
Formaldehyde	$\leq 16.5 \mu\text{g}/\text{m}^3$ or $\leq 13.5 \text{ ppb}$ ^b

- CA Chronic Reference Exposure Level (CREL)
- Formaldehyde emission levels need not be reported for materials where formaldehyde is in inherent, trace amounts and formaldehyde is not added by the manufacturer of the material.

**TABLE 806.4(2)
FLOORING VOC EMISSION LIMITS**

VOC	LIMIT
Individual VOCs	≤½ CA chronic REL ^a
Formaldehyde	≤ 16.5 ug/m ³ or ≤ 13.5 ppb ^b

a. CA Chronic Reference Exposure Level (CREL)

b. ~~Formaldehyde emission levels need not be reported for materials where formaldehyde is in inherent, trace amounts and formaldehyde is not added by the manufacturer of the material.~~

Committee Reason: Approval is based on the proponent's printed reason. The modification clarifies that the notes relate only to intentionally added formaldehyde.

Committee Reason:

Assembly Action: **None**

GG577-11

Committee Action: **Disapproved**

Committee Reason: Based on the action on GG601.

Assembly Action: **None**

GG578-11

Committee Action: **Disapproved**

Committee Reason: The proposed revisions would be better suited to a jurisdictional option. The proposed project elective (in a modification) is confusing in that it is already an option in current Section 806.2 and 806.3. It is not clear if the elective satisfies the requirements of the current Sections 806.2 and 806.3

Assembly Action: **None**

GG579-11

Committee Action: **Disapproved**

Committee Reason: Based on the action on GG648.

Assembly Action: **None**

GG580-11

Committee Action: **Disapproved**

Committee Reason: The proposed standards are not comparable with the current standards and do not comply with the ICC policy for referenced standards.

Assembly Action: **None**

GG581-11

Committee Action: **Disapproved**

Committee Reason: Such text is more appropriate in another ICC code. The proposed new text is confusing in an exception format relative to prohibiting something in the main section and not prohibiting it in the exception.

Assembly Action: **None**

GG582-11

Committee Action:

Disapproved

Committee Reason: Based on the action on GG578.

Assembly Action:

None

GG583-11

Committee Action:

Disapproved

Committee Reason: Based on the action on GG569.

Assembly Action:

None

GG584-11

Withdrawn by Proponent

GG585-11

Withdrawn by Proponent

GG586-11

Committee Action:

Disapproved

Committee Reason: Based on the action on GG578.

Assembly Action:

None

GG587-11

Committee Action:

Disapproved

Committee Reason: Based on the action on GG648.

Assembly Action:

None

GG588-11

Committee Action:

Disapproved

Committee Reason: Based on the action on GG578.

Assembly Action:

None

GG589-11

Committee Action:

Disapproved

Committee Reason: Based on the action on GG580 and the fact that the proposed standards do not comply with ICC policy for referenced standards.

Assembly Action:

None

GG590-11

Committee Action:

Disapproved

Committee Reason: Based on the action on GG648.

Assembly Action:

None

GG591-11

Committee Action:

Disapproved

Committee Reason: Based on the action on GG601.

Assembly Action:

None

GG592-11

Committee Action:

Disapproved

Committee Reason: Based on the action on GG578.

Assembly Action:

None

GG593-11

Committee Action:

Disapproved

Committee Reason: The proposed text is more appropriate in a definition. It is clear what is meant by flooring and vinyl is an example.

Assembly Action:

None

GG594-11

Committee Action:

Disapproved

Committee Reason: The current Table is useful to the end user and deleting it will place a burden on manufacturers of products where such products do not need to be tested.

Assembly Action:

None

GG595-11

Committee Action:

Disapproved

Committee Reason: Based on the action on GG648.

Assembly Action:

None

GG596-11

Committee Action:

Disapproved

Committee Reason: Based on the action on GG601.

Assembly Action:

None

GG597-11

Committee Action:

Disapproved

Committee Reason: Gypsum board systems include joint compounds, tapes and adhesives that may not fit the intent of this table.

Assembly Action:

None

GG598-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action:

None

GG599-11

Committee Action:

Disapproved

Committee Reason: Disapproval is consistent with the action on GG594 and for the same reasoning.

Assembly Action:

None

GG600-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action:

None

GG601-11

Committee Action:

Disapproved

Committee Reason: The school/classroom scenario is unclear in the industry. The proposed revision moves some material traditionally thought of as "outside" materials into the scope of this section by referring to inside of the weather-proofing membrane.

Assembly Action:

None

GG602-11

Committee Action:

Disapproved

Committee Reason: The proponent suggested that GG603-11 was a better solution for her concern.

Assembly Action:

None

GG603-11

Committee Action:

Approved as Submitted

Committee Reason: The proposed revision removes an unnecessary requirement for other products.

Assembly Action:

None

GG604-11

Committee Action:

Disapproved

Committee Reason: Section 806 is appropriately located in the IgCC as it addresses IAQ. Relocation of such text the IBC, for example, could affect adoption of the IBC. The IgCC was created to establish such higher performance requirements.

Assembly Action:

None

GG605-11

Committee Action:

Approved as Submitted

Committee Reason: The proposed revisions offer technical improvements for text that is believed by all in the industry to be flawed. Broad industry support is evidenced by the multiple proponents.

Assembly Action:

None

GG606-11

Committee Action:

Disapproved

Committee Reason: The committee believes that the acoustic provisions of the code belong in the mandatory part of Chapter 8.

Assembly Action:

None

GG607-11

Committee Action:

Disapproved

Committee Reason: Based on action on GG619.

Assembly Action:

None

GG608-11

Committee Action:

Disapproved

Committee Reason: The proposed text repeats what is in the IBC.

Assembly Action:

None

GG609-11

Committee Action:

Disapproved

Committee Reason: Based on the action on GG605.

Assembly Action:

None

GG610-11

Committee Action:

Disapproved

Committee Reason: Based on the action on GG605.

Assembly Action:

None

GG611-11

Withdrawn by Proponent

GG612-11

Committee Action: Disapproved

Committee Reason: No compelling argument was presented for exempting B occupancies.

Assembly Action: None

GG613-11

Committee Action: Disapproved

Committee Reason: The proposal replicates IBC and ASHRAE 189.1 text with no apparent improvement to the IgCC.

Assembly Action: None

GG614-11

Committee Action: Approved as Submitted

Committee Reason: The proposed text is an enhancement of the provisions in the IBC and this is consistent with the theme of an "overlay" code (IgCC).

Assembly Action: None

GG615-11

Committee Action: Disapproved

Committee Reason: Based on the action on GG605.

Assembly Action: None

GG616-11

Withdrawn by Proponent

GG617-11

Committee Action: Disapproved

Committee Reason: Noise criteria sound levels are not appropriate for exterior sound transmission.

Assembly Action: None

GG618-11

Committee Action: Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action: None

GG619-11

Committee Action:

Disapproved

Committee Reason: Based on the action on GG605.

Assembly Action:

None

GG620-11

Committee Action:

Approved as Submitted

Committee Reason: The revision simplifies compliance. Approval is based upon the proponent's printed reason.

Assembly Action:

None

GG621-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action:

None

GG622-11

Committee Action:

Disapproved

Committee Reason: The proposal would delete a requirement for testing for compliance with the sound transmission provisions of the code and such requirement is essential to the intent of the code.

Assembly Action:

None

GG623-11

Committee Action:

Disapproved

Committee Reason: The rooms and spaces need to be coordinated with the occupancy groups in the IBC. There is no consensus in the industry on how to determine the thresholds.

Assembly Action:

None

GG624-11

Committee Action:

Disapproved

Committee Reason: The effect of Chapter 8 should not be diluted by converting mandatory code requirements to project electives.

Assembly Action:

None

GG625-11

Committee Action:

Disapproved

Committee Reason: Providing for occupant comfort is appropriate for a green code. The provisions of Section 807 will not impact the adoptability of the IgCC. The provisions have been greatly improved and deserve a place in the IgCC.

Assembly Action:

None

GG626-11

Committee Action:

Disapproved

Committee Reason: Based on the action on GG625.

Assembly Action:

None

GG627-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action:

None

GG628-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action:

None

GG629-11

Committee Action:

Disapproved

Committee Reason: Based on the action on GEW206.

Assembly Action:

None

GG630-11

Committee Action:

Disapproved

Committee Reason: Connectivity between the indoors and outdoors is an important concept in the IgCC. The IECC addresses the subject from strictly an energy perspective.

Assembly Action:

None

GG631-11

Committee Action:

Disapproved

Committee Reason: The proposed revisions are incomplete as many other sections need revision as well.

Assembly Action:

None

GG632-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action:

None

GG633-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action:

None

GG634-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action:

None

GG635-11

Committee Action:

Disapproved

Committee Reason: Based on the action on GG633.

Assembly Action:

None

GG636-11

Committee Action:

Disapproved

Committee Reason: It is not clear what hours are referred to in a "day."

Assembly Action:

None

GG637-11

Committee Action:

Disapproved

Committee Reason: Based on the action on GG633.

Assembly Action:

None

GG638-11

Committee Action:

Disapproved

Committee Reason: The proposal would reduce the required amount of fenestration and would allow full height partitions which defeats the purpose of this section.

Assembly Action:

None

GG639-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action:

None

GG640-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action:

None

GG641-11

Committee Action:

Disapproved

Committee Reason: Based on the action on GG640.

Assembly Action:

None

GG642-11

Committee Action:

Disapproved

Committee Reason: Based on the action on GG632.

Assembly Action:

None

GG643-11

Committee Action:

Disapproved

Committee Reason: Low VOC materials are good choices and the electives allow the choice to exceed the mandatory requirements of the code.

Assembly Action:

None

GG644-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason.

Assembly Action:

None

GG645-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason and the action on GG644.

Assembly Action:

None

GG646-11

Committee Action:

Approved as Submitted

Committee Reason: Approval is based on the proponent's printed reason and the action on GG644.

Assembly Action:

None

GG647-11

Committee Action:

Disapproved

Committee Reason: The proposed revision creates an incomplete sentence. Disapproval is consistent with the action on GG650.

Assembly Action:

None

GG648-11

Committee Action:

Disapproved

Committee Reason: The proposed text does not reference a standard for the test methodology and places undue burden on the code official to determine the methodology.

Assembly Action:

None

GG649-11

Committee Action:

Disapproved

Committee Reason: The testing methodology is not well established. The conversion of the text from an elective to a mandatory requirement exceeds the intent of the IgCC.

Assembly Action:

None

GG650-11

Committee Action:

Disapproved

Committee Reason: The 500 ug/m³ limit may not be well established, but it serves the purpose. There are many chemicals of concern and the current elective is justified. The current requirement is an elective (not mandatory) and the 500ug/m³ is consistent with LEED.

Assembly Action:

None

GG651-11

Committee Action:

Disapproved

Committee Reason: Based on the action on GG650.

Assembly Action:

None

GG652-11

Committee Action:

Approved as Modified

Committee Reason: Approval is based on the proponent's printed reason. The modification coordinates the terminology in Section 809.4 with note "a" to the table. GG633 was recommended for approval which deleted the definition of regularly occupied space.

Assembly Action:

None

GG653-11

Committee Action:

Approved as Submitted

Committee Reason: The proposal would simplify use of the table use of the table by providing names of common types of species.

Assembly Action:

None

GG654-11

Committee Action:

Disapproved

Committee Reason: Based on the action on GG655.

Assembly Action:

None

GG655-11

Committee Action:

Disapproved

Committee Reason: Connectivity with nature produces a sense of well-being and the intent of this text is not limited to achieving indoor air quality. The current text is appropriate as an elective as is the "view to the outdoors" elective.

Assembly Action:

None

GG656-11

Committee Action:

Approved as Submitted

Committee Reason: The proposed text is essential to indoor environmental quality and is value added to a green code.

Assembly Action:

None

GG657-11

Committee Action:

Disapproved

Committee Reason: The proposed text is not appropriate subject matter for regulation in this code, similar to the subject of engine idling on jobsites. The proposed text is unenforceable.

Assembly Action:

None

GG658-11

Committee Action:

Disapproved

Committee Reason: The proposed text lacks criteria and is not clear relative to intent and demonstration of compliance. Any combination of equipment could be allowed by such text provided that no noise is transmitted to the indoors.

Assembly Action:

None

GG659-11

Committee Action: Disapproved

Committee Reason: Encouraging building longevity may belong in the IgCC in some places, but the concepts addressed in this proposal are more closely related to other I-Codes.

Assembly Action: None

GG660-11

Committee Action: Disapproved

Committee Reason: Encouraging building longevity may belong in the IgCC in some places but the concepts addressed in this proposal are more closely related to other I-Codes.

Assembly Action: None

GG661-11

Committee Action: Disapproved

Committee Reason: To be consistent with prior committee action on GG681-11.

Assembly Action: None

GG662-11

Committee Action: Disapproved

Committee Reason: To be consistent with prior committee action on GG681-11.

Assembly Action: None

GG663-11

Committee Action: Disapproved

Committee Reason: To be consistent with prior committee action on GG681-11.

Assembly Action: None

GG664-11

Committee Action: Disapproved

Committee Reason: The importance of storm shelters is addressed in other I-Codes and is not specific to green buildings.

Assembly Action: None

GG665-11

Withdrawn by Proponent

GG666-11

Committee Action: Disapproved

Committee Reason: Encouraging building longevity may belong in the IgCC in some places, but this proposal goes too far.

Assembly Action: None

GG667-11

Committee Action: Disapproved

Committee Reason: The concepts addressed in this proposal are best addressed in other I-Codes.

Assembly Action: None

GG668-11

Committee Action: Disapproved

Committee Reason: Passive survivability issues are more closely related to other I-Codes and should be addressed there.

Assembly Action: None

GG669-11

Committee Action: Disapproved

Committee Reason: To be consistent with prior committee action on GG667-11.

Assembly Action: None

GG670-11

Committee Action: Disapproved

Committee Reason: To be consistent with prior committee action on GG668-11.

Assembly Action: None

GG671-11

Committee Action: Disapproved

Committee Reason: To be consistent with prior committee action on GG668-11.

Assembly Action: None

GG672-11

Committee Action: Disapproved

Committee Reason: The proponent requested disapproval.

Assembly Action: None

GG673-11

Committee Action: Disapproved

Committee Reason: Building height and area requirements are under the purview of the *International Fire Code* and the *International Building Code*.

Assembly Action: None

GG674-11

Committee Action:

Disapproved

Committee Reason: The proponent has not demonstrated a connection to material conservation.

Assembly Action:

None

GG675-11

Committee Action:

Disapproved

Committee Reason: To be consistent with prior committee action on GG668-11.

Assembly Action:

None

GG676-11

Committee Action:

Disapproved

Committee Reason: The proponent has not demonstrated a cost benefit between increasing the proposed construction requirements and its impact on material conservation. Type of construction and fire protection requirements are under the scope of the *International Building Code* and the *International Fire Code*.

Assembly Action:

None

GG677-11

Committee Action:

Disapproved

Committee Reason: The proponent has not sufficiently demonstrated a connection between the proposed practices and the scope of the IgCC. Fire protection practices are under the purview of the *International Fire Code* and the *International Building Code*.

Assembly Action:

None

GG678-11

Committee Action:

Disapproved

Committee Reason: To be consistent with prior committee action on GG677-11.

Assembly Action:

None

GG679-11

Committee Action:

Disapproved

Committee Reason: The proponent has not adequately demonstrated how fire and smoke protection features are within the scope of the IgCC.

Assembly Action:

None

GG680-11

Committee Action:

Disapproved

Committee Reason: The proponent has not adequately demonstrated how fire and smoke protection feature support green design and construction.

Assembly Action:

None

GG681-11

Committee Action:

Disapproved

Committee Reason: The proponent has failed to effectively demonstrate how the proposed practices relate to green design and construction. The proposed requirements are under the scope of other I-Codes, such as the *International Fire Code* and the *International Building Code*, and should be heard by the committees responsible for those I-Codes.

Assembly Action:

None

GG682-11

Committee Action:

Disapproved

Committee Reason: The proponent has failed to effectively demonstrate how the proposed practices relate to green design and construction. The proposed requirements are under the scope of the other I-Codes, such as the *International Fire Code* and the *International Building Code*, and should be heard by the committees responsible for those I-Codes.

Assembly Action:

None

GG683-11

Committee Action:

Disapproved

Committee Reason: Commissioning and Operations and Maintenance are an essential parts of the IgCC code and the *International Building Code*.

Assembly Action:

None

GG684-11

Committee Action:

Disapproved

Committee Reason: There are times when commissioning consists of relatively minor activities and may be most cost effectively performed by the code official.

Assembly Action:

None

GG685-11

Committee Action:

Disapproved

Committee Reason: Current language is the same as in Chapter 27 of the IBC and has served the building community well.

Assembly Action:

None

GG686-11

Committee Action:

Disapproved

Committee Reason: "Certified" is not defined. Certified to what standard? There may not be certifications for all practices. Design professional certification is generally a state and local issue.

Assembly Action:

None

GG687-11

Committee Action:

Disapproved

Committee Reason: Post occupancy commissioning is important and necessary to maintain a building. However, that puts a tremendous burden on the building official. Action by previous committees approved a compromise whereby a commissioning report would be provided to the building official, but the building official was under no obligation to read or approve the report. The existing text more accurately reflects these intentions.

Assembly Action:

None

GG688-11

Committee Action:

Disapproved

Committee Reason: The code official must make decisions every day based on his/her experience.

Assembly Action:

None

GG689-11

Committee Action:

Disapproved

Committee Reason: Based on prior committee action on GG33-11.

Assembly Action:

None

GG690-11

Committee Action:

Approved as Submitted

Committee Reason: This proposal cleans up a number of items. The current code text is applicable to any type of certificate of occupancy, including temporary certificate of occupancy.

Assembly Action:

None

GG691-11

Committee Action:

Disapproved

Committee Reason: This is an important item requiring testing and should be done prior to occupancy. If these requirements move to post occupancy, they do not have any bearing on the certificate of occupancy, which provides leverage for implementation and a vehicle for enforcement.

Assembly Action:

None

GG692-11

Committee Action:

Approved as Submitted

Committee Reason: This is the best of 3 proposals to replace the missing values in the text of Table 903.1

Assembly Action:

None

GG693-11

Committee Action:

Disapproved

Committee Reason: To coordinate with prior committee action on GG692-11.

Assembly Action:

None

GG694-11

Committee Action:

Disapproved

Committee Reason: To coordinate with prior committee action on GG692-11.

Assembly Action:

None

GG695-11

Committee Action:

Disapproved

Committee Reason: The predominance of buildings that are covered by this code are not likely to have building management systems in place and the intent of these provisions is to benefit the building owner and the building operations staff, not the code official.

Assembly Action:

None

GG696-11

Committee Action:

Disapproved

Committee Reason: Section 904.1.1 is addressed in the IBC. Section 904.1.1.1, however, addresses periodic reporting and should remain as it may be enforceable where indicated by the jurisdiction in Table 302.1.

Assembly Action:

None

GG697-11

Committee Action:

Disapproved

Committee Reason: As 904.1.1.1 is tied to Table 302.1, the jurisdiction has the power to decide whether it is appropriate for enforcement.

Assembly Action:

None

GG698-11

Committee Action:

Disapproved

Committee Reason: Although the existing language may have some issues, it should be retained until it can be improved.

Assembly Action:

None

GG699-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

904.2 Record documents. The cover sheet of the record documents for the project shall clearly indicate that at least one copy of the materials shall be in the possession of the owner and at least one additional copy shall remain with the *building* throughout the life of the *structure*. Record documents shall include all of the following:

1. Copies of the *approved construction documents*, including plans and specifications.
2. As-built plans and specifications indicating the actual locations of piping, ductwork, valves, controls, equipment, access panels, lighting and other similar components where they are concealed or are installed in locations other than those indicated on the *approved construction documents*.
3. For sites that have previously been a brownfield, or ~~that have~~ required environmental corrective action, remediation or restoration at the Federal, State or local level in order for commissioning, copies of engineering and institutional control information ~~all of the following~~ shall be provided;
 - 3.1 ~~The approved documents, including plans and specifications.~~
 - 3.2 ~~An acknowledgment of completion of the work in accordance with the approved documents or as approved by the code official.~~
4. A copy of the Certificate of Occupancy.

Committee Reason: Based on the proponent's reason statement. The modification is a reorganization which adds clarity.

Assembly Action:

None

GG700-11

Committee Action:

Disapproved

Committee Reason: Much like automobile owner's manuals, this information can be extremely useful to the building owner, as well as future owners.

Assembly Action:

Approved as Submitted

GG701-11

Committee Action:

Approved as Submitted

Committee Reason: To be consistent with prior committee action on GG447-11.

Assembly Action:

None

GG702-11

Committee Action:

Disapproved

Committee Reason: The IgCC is not the place to address these issues. The proponent should look to other I-Codes.

Assembly Action:

None

GG703-11

Committee Action:

Disapproved

Committee Reason: While a wide variety of existing buildings do exist, this proposal presents too relaxed a position. Existing buildings are an important challenge as we move forward with green building. This code can be applied in many ways. Some jurisdictions use it as an incentive to reinvigorate older previously developed areas. Existing buildings are host to a number of problems, many of which are related to energy and green house gas emissions and, therefore, it is important to retain these provisions in their current form.

Assembly Action:

None

GG704-11

Committee Action:

Disapproved

Committee Reason: The committee prefers GG716-11 and GG721-11.

Assembly Action:

None

GG705-11

Committee Action:

Disapproved

Committee Reason: New modular buildings should meet the same requirements that other buildings are required to meet.

Assembly Action:

None

GG706-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

EXISTING BUILDING. A *building* erected prior to the date of adoption of the appropriate code, or one for which a legal *building permit* has been issued.

1001.1 Scope. The provisions of this chapter shall control the *alteration, repair, addition, maintenance and operation and change of occupancy* of existing *buildings and structures*. ~~Relocated~~ ~~Existing~~ relocatable modular buildings shall comply with Chapter 10. Existing *building sites* shall comply with Chapter 11.

Committee Reason: There is a component of relocatable modular building that is green. The modification uses the term "relocatable modular building" which is intended to coordinate with GG88-11.

Assembly Action:

None

GG707-11

Committee Action:

Disapproved

Committee Reason: To be consistent with prior committee action on GG703-11.

Assembly Action:

None

GG708-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

1001.2 Building operation and maintenance. Existing *buildings* and parts thereof, shall be operated and maintained in conformance with the code applicable at the time of construction. The owner shall be responsible for the operation and maintenance of existing *buildings*. The requirements of this chapter shall not provide the basis for removal or abrogation of fire protection and safety systems and devices in *existing structures*.

1001.2.1 Permitted work. Where permitted work is undertaken, compliance with Sections 1001.3, 1001.4 and 1001.5 shall be required.

1001.2.2 Sale of buildings. Buildings that are sold shall comply with Sections 1001.3, 1001.4 and 1001.5 in accordance with Section 1006.3.

1001.3 Heating, ventilation and air conditioning. Heating, *ventilation* and air conditioning systems and equipment shall be in accordance with the following:

1. Non-functioning thermostats shall be repaired or replaced.
2. Leaking accessible supply air and return ducts shall be sealed with *approved* sealants. Although the presence of existing duct tape shall not be deemed to indicate noncompliance where a duct is not leaking, duct tape shall not be acceptable for repair of such a leak.

3. Outside air dampers, damper controls and linkages controlled by HVAC units shall be in good repair and adjustment.
4. Hot water and steam leaks, defective steam traps and radiator control, relief, and vent valves shall not be permitted in any accessible piping.
5. Leaking accessible chilled water lines and equipment shall be repaired or replaced.
6. The programming of the building management systems (BMS) shall be tested and verified to confirm that schedules, alarms, lockouts and other performance algorithms operate as intended for the building.

1001.4 Service water systems. Defective hot and cold water piping and equipment within service water systems shall be repaired or replaced.

1001.5 Motor-driven equipment. There shall not be leaks in compressed air or pumped water systems

1001.6 Compliance. *Alterations, repairs, additions* and changes of occupancy to *existing structures* shall comply with the provisions of this chapter.

1001.7 Existing materials, assemblies, configurations and systems. Materials, assemblies, configurations and systems already in use in a *building* in conformance with requirements or approvals in effect at the time of their erection or installation shall be permitted to remain in use unless determined by the *code official* to be dangerous to life, health or safety. Where such conditions are determined to be dangerous to the environment, life, health or safety, they shall be mitigated or made safe.

Committee Reason: This proposal is primarily a reorganization that cleans up and clarifies the code. Elimination of the zoning and site related requirements is good as they were unenforceable. The modification was to retain the “existing materials, assemblies, configuration and systems” provisions as the committee felt they were important enough to be reiterated in the IgCC.

Assembly Action: **None**

GG709-11

Committee Action: **Disapproved**

Committee Reason: There was a clear intent by those involved in the development of this provision to include and apply to alterations and to delete them would be contrary that intent and to the fundamental scope and intent of the IgCC.

Assembly Action: **None**

GG710-11

Committee Action: **Disapproved**

Committee Reason: The proposed language is unnecessary as the concept is already addressed in Chapter 1.

Assembly Action: **None**

GG711-11

Committee Action: **Approved as Submitted**

Committee Reason: This proposal clarifies the sections applicability.

Assembly Action: **None**

GG712-11

Committee Action: **Disapproved**

Committee Reason: This proposed change is inconsistent with language in other I-Codes with regard to health, safety and welfare.

Assembly Action: **None**

GG713-11

Committee Action:

Disapproved

Committee Reason: Most of this information is covered by the IBC which this code overlays. There is also a gap in that this proposal should have been coordinated with the Chapter 4 provisions for heat island mitigation. This conflicts with previous committee action on GG406-11.

Assembly Action:

None

GG714-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

1002.1 General. *Additions* to any *building or structure* shall comply with the requirements of this code for new construction.

Additions shall not be permitted to buildings and structures that are located in flood hazard areas

Exception: Where an existing ~~building or structure~~ is located such that all habitable space is located not less than 1 foot above the flood elevation, ~~additions~~ located not less than 1 foot above the flood elevation shall be permitted.

Committee Reason: This is a good clean-up and simplification of the code text.

Assembly Action:

None

GG715-11

Committee Action:

Disapproved

Committee Reason: To be consistent with prior committee action on GG714-11.

Assembly Action:

None

GG716-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

1002.1 General. Additions to any site-built building or structure shall comply with the requirements of this code for new construction. Any addition to a modular building that is relocated within or into a jurisdiction that is in conformance with requirements or approvals in effect at the time of its construction shall comply with Section 1002 of this code. The unaltered portions of a site-built building, including a relocated modular building, or structure shall be in accordance with the provisions of the code in force at the time of their construction and shall comply with Section 1003.2. ~~Except as provided in Section 1003.2 of this code, portions of buildings or structures that are not added to or altered shall not be required to comply with this code as a new structure.~~

Additions to existing portions or components of any building or structure shall be in accordance with the provisions of this code for those portions or components being altered.

Committee Reason: Based on proponent's reason statement.

Assembly Action:

None

GG717-11

Committee Action:

Disapproved

Committee Reason: To be consistent with prior committee action on GG714-11.

Assembly Action:

None

GG718-11

Committee Action:

Disapproved

Committee Reason: To be consistent with prior committee action on GG714-11.

Assembly Action:

None

GG719-11

Committee Action:

Approved as Submitted

Committee Reason: This proposal adds clarity.

Assembly Action:

None

GG720-11

Committee Action:

Approved as Submitted

Committee Reason: This proposal clarifies the code text and its applicability.

Assembly Action:

None

GG721-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

1003.1 General. Alterations to existing buildings and building systems, ~~including relocatable modular buildings,~~ shall be in accordance with the provisions of this code for those areas, assemblies, systems and components being altered. Unaltered portions and components, areas and systems of the building or structure, including ~~relocatable~~ relocated modular buildings, shall be in accordance with the provisions of the code in force at the time of their construction and shall comply with Section 1003.2. Alterations shall be such that the existing building or structure is not less conforming to the provisions of this code upon the completion of work than the existing building or structure was prior to the alteration. Energy compliance for this purpose shall be evaluated in accordance with Section 602.3. Areas, assemblies, systems and components that are altered shall be in accordance with this section and Sections 1003.2 and 1003.3.

Committee Reason: Based on proponent's reason statement.

Assembly Action:

None

GG722-11

Committee Action:

Disapproved

Committee Reason: The proposed definition addresses level one alterations which are not part of this code. Reroofing also address the practice of recovering so that this proposal requires added insulation whenever roofs are reroofed or recovered. The modification that was ruled out of order may be worthy of bringing forward in the public comment period.

Assembly Action:

None

GG723-11

Committee Action:

Approved as Submitted

Committee Reason: This proposal provides needed clarification.

Assembly Action:

None

GG724-11

Committee Action:

Disapproved

Committee Reason: Although some expansion of the requirements of Section 1003.2.1 may be in order, the reference to Section 607.4 adds a test requirement that was not referenced previously.

Assembly Action:

None

GG725-11

Committee Action:

Approved as Submitted

Committee Reason: This proposal give more specificity to the code official and is coordinated with the IMC.

Assembly Action:

None

GG726-11

Committee Action:

Disapproved

Committee Reason: A dollar amount is inappropriate in an international code.

Assembly Action:

None

GG727-11

Committee Action:

Disapproved

Committee Reason: There are already numerous exceptions in the code, many of which are applicable to small projects.

Assembly Action:

None

GG728-11

Committee Action:

Disapproved

Committee Reason: This proposal adds a requirement for a water audit which might be too burdensome in light of the fact that this section already has a requirement for an energy audit.

Assembly Action:

None

GG729-11

Committee Action:

Approved as Submitted

Committee Reason: "Approved" is a code defined term that clarifies the intent of Section 1003.3.1.

Assembly Action:

None

GG730-11

Committee Action:

Approved as Submitted

Committee Reason: Much can happen in 24 months and the proponent has not supplied information to support that time period.

Assembly Action:

None

GG731-11

Committee Action:

Disapproved

Committee Reason: Though additional guidance is needed, the proposed guidelines do not meet the requirements of CP-28.

Assembly Action:

None

GG732-11

Committee Action:

Approved as Submitted

Committee Reason: This proposal clarifies the code text and its application.

Assembly Action:

None

GG733-11

Committee Action:

Approved as Submitted

Committee Reason: This proposal coordinates requirements with the *International Building Code*.

Assembly Action:

None

GG734-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

1003.3.3 Heating, ventilation and air conditioning. Heating, *ventilation* and air conditioning systems and equipment shall be in accordance with the following:

1. Time clock and *time switch controls* that can turn systems off and on according to *building* occupancy requirements shall be provided and connected to the following HVAC equipment: chillers and other space cooling equipment, chilled water pumps, boilers and other space heating devices, hot water pumps, heat exchanger circulation pumps, supply fans, return fans, and exhaust fans. Where occupant override is provided, it shall be designed with a timer to automatically revert to time clock and *time switch controls* in not longer than twelve hours.

Exception: A time clock and *time switch controls* shall not be required for spaces with twenty-four-hour occupancy or containing materials with special atmospheric requirements dependent on twenty-four-hour space conditioning, or where a majority of areas of the *building* served by the system are under set-back thermostat control, or where manufacturer's specifications stipulate that the system must not be shut off.

2. Functional outside air economizers shall be provided on all cooling systems of more than 6-1/4 4 1/2 tons total cooling capability, 54K Btu/hr., or more than two-thousand-five eighteen hundred cubic feet per minute air flow, provided manufacturer's guidelines are available for adding the economizer to the existing system.

(Items 3 through 10 are not changed)

Committee Reason: This proposal correlates the IgCC with the IMC and ASHRAE and it would not need to be in this code if it was less stringent than those other codes and standards. The modification correlates the tons with the Btu/hrs with the IECC and ASHREA 90.1.

Assembly Action:

None

GG735-11

Committee Action:

Approved as Submitted

Committee Reason: This proposal is consistent with the definition in Chapter 2 and provides clarity.

Assembly Action:

None

GG736-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

1003.3.3 Heating, ventilation and air conditioning. Heating, *ventilation* and air conditioning systems and equipment shall be in accordance with the following:

1. Time clock and *time switch controls* that can turn systems off and on according to *building* occupancy requirements shall be provided and connected to the following HVAC equipment: chillers and other space cooling equipment, chilled water pumps, boilers and other space heating devices, hot water pumps, heat exchanger circulation pumps, supply fans, return fans, and exhaust fans. Where occupant override is provided, it shall be designed with a timer to automatically revert to time clock and *time switch controls* in not longer than twelve hours.

Exception: A time clock and *time switch controls* shall not be required for spaces with twenty-four-hour occupancy or containing materials with special atmospheric requirements dependent on twenty-four-hour space conditioning, or where a majority of areas of the *building* served by the system are under set-back thermostat control, or where manufacturer's specifications stipulate that the system must not be shut off.

2. Functional outside air economizers shall be provided on all cooling systems of more than 6 1/4 tons total cooling capability, 75K Btu/hr., or more than two thousand five hundred cubic feet per minute air flow, provided manufacturer's guidelines are available for adding the economizer to the existing system.

Exceptions: An outside air economizer shall not be required for *buildings* or special uses requiring one hundred percent outside air for *ventilation*, where the existing system has a water based economizer, where the existing system does not have an outside air intake, where special economizer operations such as, but not limited to, carefully controlled humidity would require more energy use than is conserved, where there is insufficient space to install necessary equipment, where installation of an economizer would require major modifications to the *building's* life-safety system, or where the existing system is a multi-zone system where the same intake air may be used at the same time for either heating or cooling in different parts of the *building*.

3. HVAC piping and ducts, including those located above suspended ceilings, shall comply with Sections 607.4 and 607.5.

Exception: Additional insulation shall not be required for piping within HVAC equipment, within conditioned space that conveys fluids between sixty degrees Fahrenheit and one hundred five degrees Fahrenheit, piping that is already insulated and the insulation is in good condition, or where the insulation cannot be installed without structural *alteration*. Where HVAC ducts and piping are installed in a building cavity or interstitial framing space of insufficient width to accommodate the duct or pipe and the insulation required by Section 607.4 and Table 607.5, the insulation thickness shall be permitted to have the maximum thickness that the wall can accommodate, but shall not be less than 1/2-inch thick.

(Items 4 through 10 are not changed)

1003.3.4 Service water systems. Service water systems and equipment shall be in accordance with the following:

1. Water heater and hot water *storage tanks* shall have a combined minimum total of external and internal insulation value of R-16.
2. Accessible hot and cold water supply and *distribution pipes* shall comply with Section 608.7. The insulation is not required to extend beyond the building thermal envelope.
3. In Seismic Design Categories D, E and F, as established in accordance with the *International Building Code*, water heater and water *storage tanks* with a tank capacity of thirty gallons or greater shall be strapped or otherwise secured to a wall, floor, ceiling, or other object that itself is adequately secured to a wall, floor, or ceiling. Water, gas and overflow pipes connected to water tanks shall be similarly secured. Gas water heaters shall have a flexible gas line entering the appliance.
4. Circulating pump systems for hot water supply purposes other than comfort heating shall be controlled as specified in Section 608.8.
5. Showerhead, toilet, urinal and faucet flow rates shall be in accordance with this code.

Committee Reason: This proposal recognizes the constraints inherent in existing buildings.

Assembly Action:

None

GG737-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

1003.3.8 Swimming pools and spas. Swimming pools and spas and their equipment shall be in accordance with the following:

1. Heated swimming pools and spas shall be equipped with a cover listed and labeled in accordance with ASTM F1346 for unoccupied hours.

Exception: A cover shall not be required for indoor pools or spas in which water temperature is less than eighty degrees Fahrenheit during time of non-use.

2. Pool and spa recirculation pumps shall be under timeclock control.

Exception: Filtration pumps where the public health standard requires 24 –Hour pump operation.

3. Heaters shall be cleaned and tuned for efficiency within one year prior to the *change of occupancy*.

Committee Reason: Based upon the proponent's reason statement. The modification addresses scenarios where the public health standard in the jurisdiction requires 24-hour pump operation.

Assembly Action:

None

GG738-11

Committee Action:

Disapproved

Committee Reason: Based on prior committee action on GG737-11 and because the proponent recommended disapproval.

Assembly Action:

None

GG739-11

Committee Action:

Approved as Submitted

Committee Reason: Based upon proponent's reason statement.

Assembly Action:

None

GG740-11

Committee Action:

Approved as Submitted

Committee Reason: The proposal will add clarity as it eliminates redundant language.

Assembly Action:

None

GG741-11

Committee Action:

Disapproved

Committee Reason: An exception would be more appropriate than a complete deletion of this section.

Assembly Action:

None

GG742-11

Committee Action:

Approved as Submitted

Committee Reason: This proposal provides needed clarity.

Assembly Action:

None

GG743-11

Committee Action:

Disapproved

Committee Reason: This language is better in some ways, but it goes too far in other ways, such as with regard to filing, and it does not address Section 1003.3.

Assembly Action:

None

GG744-11

Committee Action:

Approved as Modified

Modify the proposal as follows:

SECTION 1006 DEMOLITION

1006.1 Demolition. Where *buildings, structures* or portions thereof are *deconstructed* or demolished, a minimum of 50 percent of materials shall be diverted from landfills and incineration. Documentation of the total materials in *buildings, structures* and portions thereof to be *deconstructed* or demolished and materials to be diverted, and evidence of diversion, shall be provided. Material quantities shall be indicated and calculated by weight or volume, but not by both.

SECTION 1007 SALE OF BUILDINGS

1007.1 Sale of existing buildings and portions of buildings. ~~Buildings~~ and portions of buildings that are sold shall comply with Sections 1003.2 and 1003.3 within 1 year of sale.

SECTION 1007 1008 JURISDICTIONAL REQUIREMENTS

1007.1 1008.4 General. Section 1006.4 shall be enforced only where specifically indicated by the *jurisdiction* in Table 302.1.

1007.2 1008.2 Evaluation and certification of existing buildings and building sites. Where a *permit* application is accepted by a *jurisdiction* for the evaluation of an existing *building* and *building site* in accordance with the requirements of this code as applicable to a new project, and this code does not otherwise require conformance, evaluation shall be in accordance with the requirements of this section. *Project electives* in accordance with Table 303.1 shall be included in the evaluation of the existing *building*.

1007.2.1 1008.2.1 Certificate of conformance. Where conformance with the requirements of this code as applicable to a new *building* is verified by the *code official* for an existing *building* and *building site*, a certificate shall be issued indicating conformance with this code, as modified by the limitations contained in Sections 1008.2.2 through 1008.2.3.2. 1007.2.2 through 1007.2.3.2.

1007.2.2 1008.2.2 Specific exclusions. Where evidence of compliance is not available, *existing buildings* evaluated under Section 1008.2 1007.2 shall not be subject to the requirements of Section 806. Provisions of this code related to the project's construction phase, including Sections 402.3.1, 402.3.5, 402.3.6, 502.1, 506 and 803.1, and other sections as approved by the *code official*, shall not be required for *buildings* evaluated under Section 1008.2 1007.2. Where buildings do not comply with the aforementioned sections, the certification shall specifically list the sections for which compliance has not been required or verified.

1007.2.3 1008.2.3 Existing concealed construction. Existing concealed construction in *buildings* regulated by Section 1008.2 1006.4 shall be in accordance with Sections 1008.2.3.1 and 1008.2.3.2. 1007.2.3.1 and 1007.2.3.2.

1007.2.3.1 1008.2.3.1 Previously approved documents. Previously *approved construction documents* for the initial construction of an existing *building* and, where possible, description of changing uses and major upgrades over the *building's* lifetime for which a certificate of occupancy was previously issued shall be deemed an acceptable indication of materials, assemblies and equipment in concealed spaces, except where field inspection reveals sufficient evidence suggesting noncompliance, subject to the evaluation of the *code official*.

1007.2.3.2 1008.2.3.2 Previously approved documents not available. Where previously approved construction documents for the initial construction of an existing project are not available, materials, assemblies and equipment in spaces in existing buildings and existing portions thereof that are concealed, including, but not limited to, materials in spaces within walls and floor/ceiling assemblies, shall be exposed and spot checked in limited areas as determined by the code official.

Committee Reason: The proposal provides better reorganization of existing text. The modification deletes provisions which included a trigger based on the sale of existing buildings to coordinate with prior committee action.

Assembly Action: **None**

GG745-11

Committee Action: **Approved as Modified**

Modify the proposal as follows:

1006.2 Deconstruction and Demolition. Where buildings, structures or portions thereof are deconstructed or demolished, a minimum of 50 percent of materials shall be ~~deconstructed~~ and diverted from landfills and incineration. A Construction Material and Waste Management Plan in accordance with Section 502.1 shall be developed and implemented to recycle or salvage renovation and demolition waste. The Construction Material and Waste Management Plan shall describe the plan for deconstruction. Documentation of the total materials in buildings, structures and portions thereof to be deconstructed or demolished and materials to be diverted, and evidence of diversion, shall be provided. Material quantities shall be indicated and calculated by weight or volume, but not by both.

Committee Reason: It is critical to add deconstruction, particularly in a green code. We are seeing more deconstruction, particularly in urban environments. The proposal was modified to delete the words "deconstructed and" to be consistent with prior committee action.

Assembly Action: **None**

GG746-11

Committee Action: **Disapproved**

Committee Reason: The committee prefers GG748-11.

Assembly Action: **None**

GG747-11

Committee Action: **Approved as Submitted**

Committee Reason: To be consistent with prior committee action on GG364-11.

Assembly Action: **None**

GG748-11

Committee Action: **Approved as Modified**

Modify the proposal as follows:

1006.2 Deconstruction and Demolition. Where buildings, structures or portions thereof are deconstructed or demolished, a minimum of 50 percent of materials shall be ~~deconstructed~~ and diverted from landfills and incineration. A Construction Material and Waste Management Plan shall be developed and implemented in accordance with Section 502.1 and shall indicate deconstruction procedures.

Committee Reason: The proposal removes redundant language that was covered by a reference to Section 502.1. The words "deconstructed and" were removed to be consistent with prior committee action.

Assembly Action: **None**

GG749-11

Committee Action:

Approved as Submitted

Committee Reason: Capturing property sale information can be very problematic.

Assembly Action:

None

GG750-11

Withdrawn by Proponent

GG751-11

Committee Action:

Disapproved

Committee Reason: Post occupancy commissioning and re-commissioning at this level is onerous.

Assembly Action:

None

GG752-11

Committee Action:

Disapproved

Committee Reason: This project elective will not further encourage the construction of relocatable modular building. Section 502 already encompasses and encourage this practice.

Assembly Action:

None

GG753-11

Committee Action:

Disapproved

Committee Reason: The IgCC is an overlay code and its provisions augment the provisions of the base codes for purposes of sustainability. The International Existing Building Code does not address sustainability. Greening existing buildings is one of the greenest things we can do.

Assembly Action:

None

GG754-11

Committee Action:

Approved as Submitted

Committee Reason: The proposal adds clarity to the scope of Chapter 11. There may be a need to further clarify the permitting requirements when only building site features are being altered, but there are no alterations to the building on the site.

Assembly Action:

None

GG755-11

Committee Action:

Approved as Submitted

Committee Reason: The proposal provides an editorial clean up o the provisions of these sections and is better at accomplishing this change than GG756-11.

Assembly Action:

None

GG756-11

Committee Action: Disapproved

Committee Reason: The committee 0preferred the change found in GG755-11 which was approved.

Assembly Action: None

GG757-11

Committee Action: Disapproved

Committee Reason: To be consistent with other actions and with Chapter 1 in that the IgCC shouldn't be imposing compliance with federal laws on the code official.

Assembly Action: None

GG758-11

Committee Action: Disapproved

Committee Reason: Removal of regulation of changes of the hardscape on the site is not appropriate.

Assembly Action: None

GG759-11

Committee Action: Disapproved

Committee Reason: Historic buildings are defined and the additional language is not needed. If language was felt to be necessary, it should refer to a state historic preservation officer.

Assembly Action: None

GG760-11

Errata: Add Craig Conner as a co-proponent for GG760-11. Mr. Conner's reason statement for EC34-11, Part X applies. See note on GG34-11, Part X.

Committee Action: Disapproved

Committee Reason: As existing buildings are addressed in Chapter 10, existing buildings sites need to also be addressed. That is the role of Chapter 11.

Assembly Action: None

GG761-11

Committee Action: Approved as Submitted

Committee Reason: Although other code changes proposals were approved which would delete references to this standard, where the references to the standard are maintained in the 2012 IgCC, it is important to reference the most up to date edition of the standard.

Assembly Action: None

GG762-11

Committee Action:

Disapproved

Committee Reason: The proposal needs much work before it is ready to be codified. The proposal would exempt these buildings from compliance with the IgCC and that is not acceptable.

Assembly Action:

None

GG763-11

Committee Action:

Disapproved

Committee Reason: This proposal conflicts with Chapter 10 of the IgCC.

Assembly Action:

None
