

Proposed Changes

April 12, 2017

Standard Scope	1
Ad Hoc TGs	2
Special Issues	2
TG-2: Site and Lot Development.....	8
Chapter 4: Site Design and Development.....	8
Chapter 5: Lot Design, Preparation and Development.....	19
Others Assigned to TG-2	38
TG-3: Resource Efficiency and Indoor Environmental Quality	39
Chapter 6: Resource Efficiency	39
Chapter 9: Indoor Environmental Quality	55
Others Assigned to TG-3	70
TG-4: Water Efficiency, Operation & Owner Education	72
Chapter 8: Water Efficiency	72
Chapter 10: Operation, Maintenance, and Building Owner Education.....	84
Others Assigned to TG-4	90
TG-5: Energy Efficiency	91
Chapter 7: Energy Efficiency	91
Others Assigned to TG-5	132
TG-6: Multifamily	141
Chapter 3: 304 Green Multifamily Buildings	141
TG-7: Renovations and Additions	157
Chapter 3: 305 Green Remodeling	157
Chapter 11: Remodeling	158
Chapter 12: Remodeling of Functional Areas	191

TG-7: Renovations and Additions

Chapter 3: 305 Green Remodeling

Proposal ID TBD buildings)	LogID 6438	305.4.1 Applicability (Criteria for remodeled function areas of
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	<p>305.4.1 Applicability. The provisions of Section 305.4 shall apply to remodeling of one or more of the following functional areas of the existing building as follows:</p> <ol style="list-style-type: none"> 1. Addition, kitchen, bathroom, or basement in buildings other than multifamily buildings. 2. Kitchen or bathroom of a <u>An individual dwelling unit or residential common area</u> in a multifamily building. <p>305.4.1.1 Additions. The total above-grade conditioned area added during a remodel shall not exceed 400 square feet <u>per functional area</u>.</p> <p>305.4.2 NO CHANGE</p> <p>305.4.3 NO CHANGE</p> <p>305.4.5 NO CHANGE</p> <p>305.4.6 Existing attributes. The attributes of the existing building that were in compliance with the applicable provisions of Chapter 12 <u>for One- and Two-family Dwellings</u> and Chapter X <u>for Multifamily Buildings</u> prior to the remodel and remain in compliance after the remodel shall be eligible for contributing to demonstration of compliance under Section 305.4.</p>	
Reason:	The remodeling of single family homes and multifamily buildings are endeavors of vastly different proportions. The functional areas of importance in multifamily buildings are not bathrooms or kitchens but whole dwelling units and common spaces. Creating a new Chapter of the Standard to address this would greatly strengthen the use-case for existing multifamily buildings	
Concurrent Review Staff Note:	This proposal is also being reviewed by TG-6 (Multifamily) as the proposal will affect multifamily buildings.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Chapter 11: Remodeling

Proposal ID TBD	LogID 1509	11.1001.1 Building owner's manual is provided
Submitter:	Todd Jones, Center for Resource Solutions	
Requested Action:	Revise as follows	
Proposed Change:	Information on local available <u>Green-ecertified (or equivalent) utility green power programs or renewable electricity products, as well as information on how to find other certified renewable energy products using the Green-e website</u> utility programs that purchase a portion of energy from renewable energy providers.	
Reason:	(6) Many utilities will purchase a portion of energy of renewable energy providers. We recommend clarification of this requirement such that information is related to utility programs/products that deliver renewable energy to customers. We also recommend strengthening this requirement by requiring that this be information about renewable energy products/options available to the building, either from the local utility (e.g., differentiated renewable electricity/green power products/options) or competitive electricity suppliers (if in a deregulated region) or REC products that are available nationally. The Green-e website can be used to find green power options in your area. We also recommend that information be provided specifically about Green-e certified utility green power programs/products, competitive electricity products, and stand-alone REC products.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 1510	11.1002.2 Operations manual
Submitter:	Todd Jones, Center for Resource Solutions	
Requested Action:	Revise as follows	
Proposed Change:	Information on opportunities to purchase <u>Green-ecertified (or equivalent)</u> renewable energy from local utilities or national green power providers and information on utility and tax incentives for the installation on on-site renewable energy systems.	
Reason:	(4) We recommend that information be provided specifically about Green-e certified utility and national green power products, to ensure that they are high quality and independently verified, The Green-e website is a good resource for finding local and national green power options.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 10 – Proposal LogID 1508. The parallel proposal is being reviewed by TG-4. TG-7 should review the recommendation of TG-4 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-4 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6564	11.1002.4 Training of building owners
Submitter:	Kat Benner, US-EcoLogic / TexEnergy	
Requested Action:	Revise as follows	
Proposed Change:	<u>Mandatory 8 points</u>	

Reason:	"Mandatory" and "8 points" appears to have been overlooked when this section was added to Chapter 11, despite equivalent appearing in corresponding section 11.1001.2 for Single Family. Additionally, same suggestion for standard section 1002.4 in Chapter 10 was submitted, as minimum points "8" appears to have been inadvertently removed when submission for 2012 Protocol was submitted/ revised. Not possible to achieve level beyond Bronze if additional points not provided in this section of Chapter 10.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6434	11.1002.4 Training of building owners
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Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Revise as follows	
Proposed Change:	<div style="border: 1px solid black; padding: 5px;"> <p>11.1002.4 Training of building owners. Building owners are familiarized with the role of occupants in achieving green goals. On-site training is provided to the responsible party(ies) regarding equipment operation and maintenance, control systems, and occupant actions that will improve the environmental performance of the building. These include:</p> </div>	<p>Mandatory</p> <p>8</p>
Reason:	Aligns with Measure 11.1001.2; In the development of the 2015 NGBS this measure was changed from being worth 8 point to being Mandatory. While making this mandatory is good, the loss of 8 points in Chapter 10 makes it extremely difficult for projects to achieve Gold or Emerald Certification.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 10 – Proposal LogID 6433. The parallel proposal is being reviewed by TG-4. TG-7 should review the recommendation of TG-4 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-4 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6436	11.501.2 Multi-modal transportation
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Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	<p>ADD NEW OPTION TO 11.501.2</p> <p><u>(7) Employment Access: A site is selected in an area with a measured Jobs per Sq. Mi. of:</u></p> <p>a) 10,000 - less than 25,000 - 3 POINTS</p> <p>b) 25,000 to less than 50,000 - 4 POINTS</p> <p>c) 50,000 to less than 100,000 - 5 POINTS</p> <p>d) 100,000 or more - 6 POINTS</p>	
Reason:	Travel to and from work is a major source of carbon emissions. Locating housing near employment will significantly reduce the vehicle miles travelled of the average occupant. This metric can be accessed at: http://htaindex.cnt.org/	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 5 – Proposal LogID 6173. The parallel proposal is being reviewed by TG-2. TG-7 should review the	

	recommendation of TG-2 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-2 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6389	11.501.2 Multi-modal transportation
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	<u>(8) Lot is within a community that has a Bike sharing program and where facilities for bike sharing are planned for and constructed. - 5 points</u> <u>(9) Lot is within a community that has a Car sharing program and where facilities for car sharing are planned for and constructed. - 5 points</u>	
Reason:	Based on existing practice in NGBS 2015 (405.6) and applied to a single lot versus entire land development. Communities that provide for shared bike and vehicle usage should be rewarded as this reduces the production of green-house gases in the same way as mass transit or bicycle use.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 5 – Proposal LogID 6323. The parallel proposal is being reviewed by TG-2. TG-7 should review the recommendation of TG-2 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-2 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6548	11.503.3 Soil disturbance and erosion
Submitter:	Ben Edwards, Spindale NC	
Requested Action:	Delete without substitution	
Proposed Change:	Delete only item (3) from section 11.503.3 Limits of new clearing and grading are demarcated on the lot plan.	
Reason:	This comment is intended to highlight a larger issue in this document: double counting. 11.504.3(2) awards 5 points for flagging the site under Lot Construction. 11.503.3(3) awards 5 points for the same action under Lot Design (points are awarded when "the intent of the design is implemented." While flagging a site is important, does the committee believe 10 points should be awarded for a fundamental construction practice? Further, 4 more points are awarded in 11.504.1 On-site Supervision and Coordination if someone watches the flagged clearing and grading. The potential for 14 points for a standard practice is not appropriate in an above-code document. Points should be awarded based on outcome, and should clearly indicate the relative weight in compliance. Note: Similar issues are found in Chapters 4 and 5, and the topic of soil disturbance is illustrative. Philosophically, if points are to be awarded for planning, construction, and verification, the greatest weight should be on verification.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 5 – Proposal LogID 6546. The parallel proposal is being reviewed by TG-2. TG-7 should review the recommendation of TG-2 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-2 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	

TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6390	11.503.4 Stormwater management
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	<u>(5) Complete gutter and downspout system directs storm water away from foundation to landscaping or catchment system. - 8 points</u>	
Reason:	To direct rainwater away from the structure to prevent erosion and to protect the structure itself, and/or for rainwater capture	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 5 – Proposal LogID 6322. The parallel proposal is being reviewed by TG-2. TG-7 should review the recommendation of TG-2 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-2 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 1516	11.503.4 Stormwater management
Submitter:	Heather Dylla, National Asphalt Pavement Association	
Requested Action:	Delete without substitution	
Proposed Change:	Permeable materials are used for driveways, parking area, walkways and patios according to the following percentages (a) Less than 25 percent — 2 (b) 20 – 50 percent — 5 (c) Greater than 50 percent — 10	
Reason:	Giving points specifically to permeable materials may encourage their use where they are not practical or not even the best solution for stormwater management. Their efficacy depends on site limitations such as soil permeability, depth to impermeable layers and water table, and topography. It is recommended that permeable materials are evaluated together with all other low impact development practices (question 3) to encourage the best stormwater management solution.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 5 – Proposal LogID 1515. The parallel proposal is being reviewed by TG-2. TG-7 should review the recommendation of TG-2 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-2 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6239	11.503.5 Landscape plan
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Revise as follows	
Proposed Change:	503.5 Landscape plan. A plan for the lot is developed to limit water and energy use while preserving or enhancing the natural environment. (Where "front" only or "rear" only plan is implemented, only half of the points (rounding down to a whole number) are awarded for Items (1)-(8))	
Reason:	Remodels are more likely to improve their landscape using a design/build methodology which often skips the development of a formal plan during design. While this may not be best practice, the resulting verified installation should still receive full credit for the items that can still achieved without a design plan (i.e. 2-3,5-9).	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 5 – Proposal LogID 6240. The parallel proposal is being reviewed by TG-2. TG-7 should review the recommendation of TG-2 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-2 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6248	11.505.0 Intent (Innovative Practices)
Submitter:	Paul Gay, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	<u>11 505.XX</u> <u>Project has emergency plan in place to address relevant Natural Disasters</u>	
Reason:	to ensure project is protected against relevant potential impact from natural hazards e.g. Floods/Earthquakes/Landslides/Hurricanes/Tornadoes/Dust Storms/Wildfires	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 5 – Proposal LogID 6247. The parallel proposal is being reviewed by TG-2. TG-7 should review the recommendation of TG-2 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-2 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6382	11.505.4 Mixed-use development
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Revise as follows	
Proposed Change:	Mixed Use Development: <u>(1) The lot contains a mixed use building</u> <u>(2) Residential community contains a mixed use building (for Single Family homes only)</u>	

Reason:	Allows single family mixed use communities to be recognized for achieving the same goal.
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 5 – Proposal LogID 6174. The parallel proposal is being reviewed by TG-2. TG-7 should review the recommendation of TG-2 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-2 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6391	11.505.5 Community garden(s)
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	505.5 Community garden(s). Provide local food production for residents <u>or area consumers through one of the following:</u> <u>(1) A portion of the lot is established as a community garden(s), available to residents of the lot, to provide for local food production to residents or area consumers.</u> <u>(2) Locate the project within a 0.5-mile walk distance of an existing or planned farmers market that is open or will operate at least once a week for at least five months of the year.</u>	
Reason:	Access to fresh produce offers healthy food options for residents, and purchase of fresh produce directly from farmers demystifies the cycle of food production. This measure also supports local economic development that increases the economic value and production of farmlands and community gardens. This revision creates a path for sites where the community garden is not feasible but the end-goal can still be met through site-selection.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 5 – Proposal LogID 6192. The parallel proposal is being reviewed by TG-2. TG-7 should review the recommendation of TG-2 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-2 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6231	11.602.1.8 Water-resistive barrier
Submitter:	Paul Gay, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	<u>Have 3rd Party Water Barrier / Window Leakage Test conducted and Passed per Industry standards</u>	
Reason:	passing a performance test will help ensure weather barrier is installed as intended /per design.....potentially heading off potential moisture /intrusion problems and associated costs	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 6 – Proposal LogID 6226. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	

TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6309	11.605.2 Construction waste management plan
Submitter:	Susan Gitlin, US Environmental Protection Agency	
Requested Action:	Revise as follows	
Proposed Change:	<p>11.605.2 Construction waste management plan. ...diverting, through methods such as reuse, salvage, recycling or manufacturer reclamation, a minimum of 50 percent (by weight) of nonhazardous construction and demolition materials, excluding land clearing waste, from disposal in landfills and combustion, excluding energy and material recovery. <u>For this practice, land clearing debris is not considered a construction and demolition material and is excluded from the calculation.</u> Materials used as alternative daily cover are considered construction waste and do not count toward recycling or salvaging.</p> <p>Exceptions:</p> <p>Waste materials generated from land clearing, soil and sub-grade excavation and all manner of vegetative debris shall not be in the calculations.</p> <p>2) A recycling facility (traditional or E-Waste) offering material receipt documentation is not available within 50 miles of the jobsite.</p>	
Reason:	If the intent of the “Exceptions” section is to indicate specific circumstances when the practice does not apply, or to acknowledge situations when it cannot be met by the person seeking the points, then it is unclear why the first item is listed. How is stating “Waste materials generated from land clearing, soil and sub-grade excavation and all manner of vegetative debris shall not be in the calculations,” an Exception? We would argue this is an exclusion from the calculation, not an exception from the practice - due to some imposed practical difficulties - and as such, it is more appropriately emphasized in the language of the credit. Solution: Revise the body of the credit to more strongly emphasize that land clearing debris is excluded from the calculation. Delete the first item listed under Exceptions.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 6 – Proposal LogID 6300. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6349	11.606.3 Manufacturing energy
Submitter:	Cambria McLeod, Kohler	
Requested Action:	Delete without substitution	
Proposed Change:	<p>11.606.3 Manufacturing energy. Materials are used for major components of the building that are manufactured using a minimum of 33 percent of the primary manufacturing process energy derived from renewable source, combustible waste sources, or renewable energy credits (RECs).</p>	
Reason:	Use of the word ‘materials’ is does not promote use of this section for final products which could have multiple materials or assemblies and could be from various locations. An effective way to capture this information for products, or materials, would be through EPDs. EPDs are more widely recognized in the industry and easier for Standard user to obtain. Individually, these single-attributes have little bearing on	

	the final impact and are becoming antiquated, so they are being replaced with EPDs. Because EPDs are already a part of this standard, the available 6 points that would be removed with this section could be added into Product Declarations.
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 6 – Proposal LogID 6348. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 1511	11.606.3 Manufacturing energy
Submitter:	Todd Jones, Center for Resource Solutions	
Requested Action:	Revise as follows	
Proposed Change:	<p>Materials manufactured using <u>renewable energy</u> for a minimum of 33 percent of their primary manufacturing process energy. <u>Non-electric energy used in manufacturing materials must be derived from (1) renewable sources, or (2) combustible waste sources, or (3) renewable energy credits (RECs). Electricity used in manufacturing materials must be paired with renewable energy certificate (RECs), which must be retired. The building may purchase RECs on behalf of the building material supplier where the supplier has not purchase/used renewable electricity, with RECs, for manufacturing of building materials.</u></p> <p><u>Green-e certification (or equivalent) is requires [or recommended] for renewable electricity purchases and materials manufacturerd using renewable electricity.</u></p>	
Reason:	<p>This requirement refers to renewable energy use in manufacturing of building materials, and therefore may refer to use of both electricity and non-electric energy in manufacturing. Currently, the options 1-3 are not differentiated as apply to either electricity or non-electric energy use. However, since RECs are required to claim use of renewable electricity in all cases, including from on-site renewable generation equipment, we suggest differentiating between electricity used in manufacturing, in which case RECs are required, and non-electricity energy used in manufacturing. It is also not clear that in option 3, RECs are being purchased by the building to be applied to the building materials, i.e. its supply chain, and not to the building's own electricity usage, and that RECs/RE may also be purchased or used by the supplier of the building materials. Finally, we recommend that Green-e certification be required, or at least recommended, to ensure that use of renewable electricity has been properly verified.</p>	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 6 – Proposal LogID 1502. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6311	11.608.1 Resource-efficient materials
Submitter:	Susan Gitlin, US Environmental Protection Agency	
Requested Action:	Revise as follows	

Proposed Change:	608.1 Resource-efficient materials. Products containing fewer materials are used to achieve same end-use requirements as conventional products, including but not limited to: (1) Lighter, thinner brick with depth less than 3 inches and/or brick with coring of more than 25 percent (2) (1) Engineered wood or engineered steel products (3) (2) Roof or floor trusses
Reason:	Since engineered wood, engineered steel products and roof or floor trusses are incorporated intermittently in the façade, and/or entirely in the interior, their dematerialization is not likely to jeopardize the structure's overall energy efficiency. In fact, filling with insulation those spots in the exterior walls where the unneeded mass of structural elements would otherwise have been, reduces the thermal bridging associated with structural elements in exterior walls and improves the structure's energy efficiency. Conversely, the continuous dematerialization of a façade material, such as brick, may require an addition of more insulation to compensate for the loss of volume all along the perimeter, just to achieve comparable energy efficiency. A more accurate assessment of the benefits of the dematerialization of façade materials can possibly be made and if there are benefits, points can be captured through Life Cycle Assessments (11.610.1.1 and 11.610.1.2) that apply a material consumption impact category in addition to categories measuring energy-consumption impacts through the manufacturing, construction and use life-cycle stages.
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 6 – Proposal LogID 6303. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6338	11.609.1 Regional materials
Submitter:	Cambria McLeod, Kohler	
Requested Action:	Delete without substitution	
Proposed Change:	Regional materials. Regional materials are used for major and/or minor components of the building. (For a component to comply with this practice, a minimum of 75% of all products in that component category must be sourced regionally, e.g., stone veneer category — 75 percent or more of the stone veneer on a project must be sources regionally.)	
Reason:	To increase use of the standard, reduce the complexity and remove these calculations. Regional material impacts are captured through EPDs, which are easier for the end user to locate and provide a much better indicator as they focus on the outcome of the various inputs. Individually, single-attributes have little bearing on the final impact so they are being replaced with EPDs. Because EPDs are already a part of this standard, the 10 points removed with this section could be added into the Product Declarations, Section 11.611.4, if the Standard was to keep the same number of threshold points.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 6 – Proposal LogID 6337. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6312	11.610.1 Life cycle assessment
Submitter:	Susan Gitlin, US Environmental Protection Agency	
Requested Action:	Revise as follows	
Proposed Change:	<p>11.610.1.1 Whole-building life cycle assessment. A whole-building LCA is performed in conformance with ASTM E2921 using ISO14044 compliant life cycle assessment.</p> <p>Execute LCA at the whole-building level through a comparative analysis between the final and reference building designs as set forth under Standard Practice, ASTM E2921. The assessment criteria include the following environmental impact categories:</p> <ul style="list-style-type: none"> a. Primary energy use b. Global warming potential c. Acidification potential d. Eutrophication potential e. Ozone depletion potential f. Smog potential g. <u>Material Use</u> h. <u>Waste</u> i. <u>Water Use</u> j. <u>Pollution Discharges to Water</u> <p>...</p> <p>Execute full LCA, including <u>extraction and harvesting, manufacturing, construction, use and end-of-life phases</u>. For the use phase, calculate through calculation of operating energy impacts (c) – (f) using local or regional emissions factors from energy supplier, utility, or EPA. <u>For the use phase, also include impacts associated with material replacements.</u></p> <p>11.610.1.2.1 Product LCA. A product with improved environmental impact measures compared to another product(s) intended for the same use is selected. The environmental impact measures used in the assessment are selected from the following:</p> <ul style="list-style-type: none"> a. Primary energy use b. Global warming potential c. Acidification potential d. Eutrophication potential e. Ozone depletion potential f. Smog potential g. <u>Material Use</u> h. <u>Waste</u> i. <u>Water Use</u> j. <u>Pollution Discharges to Water</u> <p>11.610.1.2.2 Building Assembly LCA. A building assembly with improved environmental impact measures compared to an alternative assembly of the same function is selected...</p> <p>...The environmental impact measures used in the assessment are selected from the following:</p> <ul style="list-style-type: none"> a. Primary energy use b. Global warming potential c. Acidification potential d. Eutrophication potential e. Ozone depletion potential f. Smog potential g. <u>Material Use</u> h. <u>Waste</u> i. <u>Water Use</u> j. <u>Pollution Discharges to Water</u> 	
Reason:	<p>Using less material and recovering more is crucial to our economic and environmental future. Material use and waste generation over the life cycle of a building should be modeled. In addition, the “full” life cycle assessment should include all life cycle phases, including manufacturing, construction, use and end-of-life phases. While the NGBS-proposed language for whole-building life cycle assessment emphasizes that the assessment should include the use phase, it omits mentioning the manufacturing, construction and end-of-life phases. Finally, the language for the whole-building use phase indicates that impacts related to energy use should be evaluated, but remains silent on the need to evaluate impacts</p>	

	associated with the replacement of materials. Solution: Add the material use and waste impact categories to the assessment criteria. Emphasize that the boundary of the assessment should include the manufacturing, construction and end-of-life phase. Emphasize that the assessment of the use phase should include the analysis of impacts associated with the replacement of materials.
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 6 – Proposal LogID 6304. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6365	11.611.3 Universal design elements
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Submitter:	Cambria McLeod, Kohler
Requested Action:	Revise as follows
Proposed Change:	(6) All sink faucet controls are single-handle controls of both volume and temperature, lavatory and showering controls shall have cross or lever handles.
Reason:	The current language is design-limiting and also excludes other functional areas which could utilize universal design elements such as lavatories and showering areas. Cross and lever controls for all faucets and bathing/showering trim provide greater accessibility than controls with knob shapes. ADA and A117.1 allow center set, widespread and single handle controls.
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 6 – Proposal LogID 6363. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6412	11.611.3 Universal design elements
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Submitter:	Aaron Gary, US-EcoLogic
Requested Action:	Revise as follows
Proposed Change:	<p>11.611.3 Universal design elements. Dwelling incorporates one or more of the following universal design elements. Conventional industry construction tolerances are permitted.</p> <p><u>(1) High visibility address numbers at entrance to dwelling unit</u></p> <p><u>(2) Movement sensor light at entrance into dwelling unit</u></p> <p><u>(3) A sidelight or a peephole at 42 and 60 inches above the floor at entrance to dwelling unit</u></p> <p>RENUMBER SUBSEQUENT ITEMS</p>

Reason:	Provide good overall lighting and house number for nighttime security and ease-of-use. Additional lowered peephole for seated or short adults and children. (Based on NC State University publication of universal design elements for residences.)
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 6 – Proposal LogID 6195. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6519	11.701.4.0 Minimum energy efficiency requirements
Submitter:	John Woestman, Extruded Polystyrene Foam Association (XPSA)	
Requested Action:	Revise as follows	
Proposed Change:	11.701.4.0 Minimum energy efficiency requirements. Additions, alterations, or renovations to an existing building, building system or portion thereof shall comply with the provisions of the International Energy Conservation Code <u>ICC IECC</u> as they relate to new construction without requiring the unaltered portion(s) of the existing building or building system to comply with this code standard . An addition complies with the <u>ICC IECC</u> if the addition complies or if the existing building and addition comply with the <u>ICC IECC</u> as a single building.	
Reason:	Revising for clarity, and consistent reference to ICC IECC.	
Parallel Proposal Staff Note:	<i>A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 11 – Proposal LogID 6526.</i>	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6450	11.701.4.0 Minimum energy efficiency requirements
Submitter:	Craig Conner, Building Quality	
Requested Action:	Revise as follows	
Proposed Change:	11.701.4.0 Minimum energy efficiency requirements. Additions, alterations, or renovations to an existing building, building system or portion there of thereof shall comply with the provisions of the International Energy Conservation Code as they relate to new construction without requiring the unaltered portion(s) of the existing building or building system to comply with this code. An addition complies with the IECC if the addition complies or if the existing building and addition comply with the IECC as a single building.	
Reason:	Correct the spelling. This change is editorial. This change should be under only the name of “Howard C. Wiig, State of Hawaii, representing self”	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6364	11.701.4.3.2 Air sealing and insulation
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Revise as follows	
Proposed Change:	<p>11.701.4.3.2 Air sealing and insulation. Grade II and III insulation installation is not permitted <u>for newly installed insulation.</u> <u>For the portions of the building envelope that are exposed or created during the remodel, the B-building envelope air tightness and insulation installation is verified to be in accordance with Section 11.701.4.3.2(1) and 11.701.4.3.2(2)...</u></p> <p>No other revisions.</p>	
Reason:	Existing language appears to mandate insulation grading in existing walls that are not being disturbed as part of the remodel. This revision aligns the section with NGBS 2015 12.701.4.3.2 language.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6362	11.701.4.4 High-efficacy lighting
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Revise as follows	
Proposed Change:	<p>11.701.4.4 High-efficacy lighting. <u>Newly installed L-lighting efficacy</u> in dwelling units is in accordance with one of the following:</p> <p>(1) A minimum of 75 percent of the total hard-wired lighting fixtures or the bulbs in those fixtures qualify as high efficacy or equivalent</p> <p>(2) Lighting power density, measured in watts/square foot, is 1.1 or less.</p>	
Reason:	Current language mandates changing out existing lighting to meet this Mandatory item. Change aligns with other measures in Chapter 11 that only pertain to Newly Installed items. Calculating a lighting power density for newly installed lighting only does not make sense and hence option (2) should be removed.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6369	11.901.2.1 Solid fuel-burning fireplaces, inserts, stoves, and heaters
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	<p>(2) Factory-built, wood-burning fireplaces are in accordance with the certification requirements of UL 127 and are EPA certified or Phase 2 Qualified.</p>	
Reason:	The EPA does not certify factory-built wood burning fireplaces so the first reference is nonsensical. Very few fireplaces meet the EPA Phase 2 Qualified requirements and thus they are exorbitantly priced compared to other similar fireplaces. The second reference as a Mandatory measure represents undue burden for projects and should be removed.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 9 – Proposal LogID 6203. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to	

	remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6566	11.901.2.1 Solid fuel-burning fireplaces, inserts, stoves, and heaters
Submitter:	Kat Benner, US-EcoLogic / TexEnergy	
Requested Action:	Revise as follows	
Proposed Change:	(2) Factory-built, wood-burning fireplaces are in accordance with the certification requirements of UL 127 and are EPA certified or Phase 2 Qualified <u>insulated, fire-blocked, sealed and gasketed.</u>	
Reason:	(Same revision was also submitted for standard Chapter 9 901.2.1): Mandating "EPA certified or Phase 2 Qualified" is extremely cost-prohibitive and thus nearly impossible. Recommend keeping the points and removing the Mandatory OR simply strike "EPA certified or Phase 2 Qualified". If the unit is insulated, fire-blocked, sealed and gasketed, this would be a reasonable requirement.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 9 – Proposal LogID 6561. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6269	11.901.3 Garages
Submitter:	Paul Gay, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	<u>11.901.3. X</u> <u>Install CO detector/Monitor within 10 ft of Garage door (interior side)</u>	
Reason:	Points for going above Mandatory requirement. Easy / inexpensive health and safety measure	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 9 – Proposal LogID 6270. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6273	11.901.6 Carpets
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Submitter:	Paul Gay, US-EcoLogic
Requested Action:	Revise as follows
Proposed Change:	(1) wall-to-wall No New Carpeting is not installed adjacent to water closets and bathing fixtures in half/full bathrooms, kitchens, utility/laundry rooms or within 3 ft of entries. <u>XX Points if existing carpet in these areas is removed and replaced with hard flooring</u>
Reason:	who wants soggy socks??!original language is behind current /typical standard building practice
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 9 – Proposal LogID 6275. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6371	11.901.6 Carpets
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Revise as follows	
Proposed Change:	Carpets. Newly installed cCarpets are in accordance with the following: (1) Wall-to-wall carpeting is not installed adjacent to water closets and bathing fixtures.	
Reason:	Existing language appears to mandate changing flooring in otherwise undisturbed areas. Adding "newly installed" aligns this mandatory requirement with the other Mandatory requirements in section 11.901.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6413	11.902.2.1 Whole building ventilation system
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Revise as follows	
Proposed Change:	902.2.1 One of the following whole building ventilation systems is implemented and is in accordance with the specifications of Appendix B ASHRAE 62.2 and an explanation of the operation and importance of the ventilation system is included in either 1001.1 or 1002.2. DELETE APPENDIX B	
Reason:	As demonstrated during the NGBS 2015 Development Committee discussions , Appendix B, which includes only an excerpt of ASHRAE 62.2, does not adequately capture the depth or breadth of the Standard. Excerpting some of the calculations from 62.2 while leaving other out along with various exceptions results in more air being required to be delivered compared to if the whole Standard had been adopted.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 9 – Proposal LogID 6206. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to	

	remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6414	11.902.2.1 Whole building ventilation system
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Revise as follows	
Proposed Change:	<p>11.902.2.1 One of the following whole building ventilation systems is implemented and is in accordance with the specifications of Appendix B <u>ASHRAE 62.2</u> and an explanation of the operation and importance of the ventilation system is included in either 1001.1 or 1002.2.</p> <p>(1) exhaust or supply fan(s) ready for continuous operation and with appropriately labeled controls - 3 Points</p> <p>(2) <u>(2) exhaust or supply fan(s) with automatic smart ventilation controls to limit ventilation during periods of extreme temperature and extreme humidity. - 6 Points</u></p> <p>(2)<u>(3) balanced exhaust and supply fans with supply intakes located in accordance with the manufacturer's guidelines so as to not introduce polluted air back into the building - 6 Points</u></p> <p>(3)<u>(4) heat-recovery ventilator - 7 Points</u></p> <p>(5) <u>(5) balanced exhaust or supply fan(s) with automatic smart ventilation controls to limit ventilation during periods of extreme temperature and extreme humidity, and with intakes located in accordance with the manufacturer's guidelines so as to not introduce polluted air back in to the building - 8 Points</u></p> <p>(4)<u>(6) energy-recovery ventilator - 8 Points</u></p>	
Reason:	Initial research in this area, funded by the U.S. Department of Energy (U.S. DOE), investigated the proof-of-concept for smart ventilation and estimated typical ventilation energy savings of 40% (Turner and Walker 2012) or about 15% of total heating and cooling load, with savings increasing to more than 50% on average for economizer-equipped homes.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 9 – Proposal LogID 6207. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6415	11.902.2.2 Whole building ventilation airflow is tested
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Revise as follows	
Proposed Change:	<p><u>902.2.2</u> Ventilation airflow is tested to achieve the design fan airflow at point of exhaust <u>in accordance with ANSI/RESNET/ICC 380 and Section 902.2.1</u></p>	
Reason:	Not all ventilation systems can be tested at the point of exhaust and for many doing so while possible is not accurate. ANSI/RESNET/ICC 380 is an ICC approved Standard that includes guidelines for testing ventilation airflow at multiple locations, including the point of exhaust, so that the most appropriate and accurate means can be selected by the 3rd party verifier.	

Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 9 – Proposal LogID 6205. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6416	11.902.6 Living space contaminants
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Submitter:	Aaron Gary, US-EcoLogic
Requested Action:	Revise as follows
Proposed Change:	11.902.6 Living space contaminants. <u>Indoor contaminants are limited through the following:</u> <u>(1) The living space is sealed in accordance with Section 701.4.3.1 to prevent unwanted contaminants. - MANDATORY</u> <u>(2) A permanent shoe removal and storage space is implemented near the primary entryway. This space may not have wall-to-wall carpeting. - 3 POINTS</u>
Reason:	A majority of the dirt and dust in homes is tracked in by occupants. One of the most effective ways to reducing these indoor contaminants therefore is to encourage occupants and visitors to remove shoes at the door.
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 9 – Proposal LogID 6209. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6425	Other for Chapter 11 (include section and title below)
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Submitter:	Aaron Gary, US-EcoLogic
Requested Action:	Add new as follows
Proposed Change:	11.905.X Outdoor Living. Meet any or all of the following: <u>(1) Built-in outdoor kitchen (4 points)</u> <u>(2) Built-in outdoor fireplace (no indoor fireplace installed) (3 points)</u> <u>(3) Plumbed outdoor shower (3 points)</u> <u>(4) Covered, usable front porch protecting entry door. Minimum depth: 6'; minimum area: 100 sq. ft. (3 points)</u> <u>(5) Covered, usable porch other than front porch. Minimum side dimension: 6'; minimum area 100 sq. ft. One of the above porches fully screened (2 points)</u> <u>(6) Uncovered patio. Minimum side dimension: 6'; minimum area: 100 sq. ft. (1 point)</u>
Reason:	To reduce sources of indoor heat and humidity and associated indoor air quality issues by encouraging occupants to take advantage of outdoor living. Could fit in with other Health and Wellness credits to form a new section.

Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 9 – Proposal LogID 6427. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6493	Other for Chapter 11 (include section and title below)
Submitter:	Jeremy Velasquez, TexEnergy Solutions	
Requested Action:	Add new as follows	
Proposed Change:	Section 11-906 - <u>Add a new section as relevant for health and well-being credits.</u>	
Reason:	As sustainability protocols evolve, the natural progression is to include measures that have a positive benefit on occupant health and well-being.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 9 – Proposal LogID 6356. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6422	Other for Chapter 11 (include section and title below)
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	11.905.X Access to daylight. To promote health and well being of occupants the following measures are implemented: <u>(1) 75% of regularly occupiable spaces have windows, skylights, or glass doors. - 3 POINTS</u> <u>(2) 75% of regularly occupiable spaces have direct line of sight views to the outdoors. - 3 POINTS</u>	
Reason:	Studies have shown that access to outdoor light and views increase health and productivity of building occupants.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 9 – Proposal LogID 6355. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6430	Other for Chapter 11 (include section and title below)
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	ADD NEW SECTION <u>11.902.2.3 Factory-built, wood-burning fireplaces are EPA Phase 2 Qualified. - 6 points</u>	
Reason:	Very few fireplaces meet the EPA Phase 2 Qualified requirements and thus they are exorbitantly priced compared to other similar fireplaces. This measure should be moved from being a Mandatory items to an optional credit.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 9 – Proposal LogID 6429. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6421	Other for Chapter 11 (include section and title below)
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	<u>11.902.2.X Whole building ventilation system in installed with a automatic notification device to communicate performance degradation or failure. - 6 points</u>	
Reason:	2015 FSEC study (FSEC-CR-2002-15) showed a wide disconnect between the perceived and actual effectiveness of whole building ventilation systems in homes. The study found that of the homes surveyed only 5% of homes had a whole building ventilation system that was actually delivering the expected air as found while at the same time 48% of these same homeowners said they were happy with the performance of their whole building ventilation system. Existing and emerging technologies that can help address this disconnect should be well rewarded. The installation of non-performing ventilation systems both wastes resources and degrades the value of green building in the marketplace.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 9 – Proposal LogID 6418. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6423	Other for Chapter 11 (include section and title below)
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Add new as follows	

Proposed Change:	ADD SECTION 11.902.2.7 Preoccupancy flush. Dwelling is flushed with outdoor air for 48 hours prior to occupancy.
Reason:	During the construction process dwellings become contaminated with dust, debris and off-gassing from materials. Flushing the dwelling with outdoor air prior to occupancy helps remove these potentially harmful pollutants from the space.
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 9 – Proposal LogID 6424. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6409	Other for Chapter 11 (include section and title below)
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	505.12 Local Economic Development and Community Wealth Creation: <u>(1) Demonstrate that local preference for construction employment and subcontractor hiring was part of your bidding process - 3 POINTS</u> <u>(2) Demonstrate that you achieved at least 20% local employment - 4 POINTS</u> <u>(3) Provide physical space for small business, nonprofits, and/or skills and workforce education. - 5 POINTS</u>	
Reason:	Housing often has the opportunity to act as an economic catalyst within a neighborhood and community. Housing projects offer opportunities to directly enhance the lives of residents when they include physical space that can accommodate various programs for learning, job skill development and other social interactions. Numerous studies have documented the ways in which affordable housing projects have positive economic impacts on their surrounding neighborhoods.	
Parallel Proposal Staff Note:	<i>A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 5 – Proposal LogID 6179. The parallel proposal is being reviewed by TG-2. TG-7 should review the recommendation of TG-2 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-2 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.</i>	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6411	Other for Chapter 11 (include section and title below)
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	ADD NEW SECTION 11.505.X Building Orientation. Lot is part of a community where a minimum if 75% of the building sites are designed with the longer dimension of the structure to face within 20 degrees of south. - 6 points	
Reason:	Takes existing NGBS 2015 practice, 403.2, and applies it to a lot.	

Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 5 – Proposal LogID 6324. The parallel proposal is being reviewed by TG-2. TG-7 should review the recommendation of TG-2 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-2 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6406	Other for Chapter 11 (include section and title below)
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	ADD NEW SECTION <u>505.X Open Space:</u> Lot is within a community that has 1 acre or greater set aside as open space.	
Reason:	Based on NGBS 2015 405.9 and applied to a single lot versus entire land development	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 5 – Proposal LogID 6177. The parallel proposal is being reviewed by TG-2. TG-7 should review the recommendation of TG-2 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-2 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6407	Other for Chapter 11 (include section and title below)
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	ADD NEW SECTION <u>505.X Community Recycling Program:</u> Lot is within a community that has a recycling program. - 5 POINTS	
Reason:	Promotes recycling on a community level as a means to align with practice 11.607 which does the same on the house level. Being able to collect recycling in a homes when you have no place to take it is aspirational but not particularly effective	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 5 – Proposal LogID 6326. The parallel proposal is being reviewed by TG-2. TG-7 should review the recommendation of TG-2 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-2 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		

TG Vote:	
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Proposal ID TBD	LogID 6408	Other for Chapter 11 (include section and title below)
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	ADD NEW SECTION <u>505.X District Heating and Cooling: Lot is within a community that has a district heating and/or cooling system.</u>	
Reason:	District cooling and heating can be very efficient as it removes the need for building specific space heating systems, space cooling systems, and/or domestic water heating systems.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 5 – Proposal LogID 6178. The parallel proposal is being reviewed by TG-2. TG-7 should review the recommendation of TG-2 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-2 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6410	Other for Chapter 11 (include section and title below)
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	ADD NEW SECTION <u>505.13 Community Design for Cross Ventilation:</u> <u>Lot is within a community located in a hot, humid climate where 75% of streets are within 20-30 degrees either direction of parallel to the prevailing wind. - 5 POINTS</u>	
Reason:	In hot, humid climate good ventilation is necessary to remove excess heat from streets and open spaces and to provide cross-ventilation in buildings. Streets parallel to the prevailing wind have the highest velocity while streets perpendicular to the prevailing wind yield lower velocity and more turbulent wind in the streets.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 5 – Proposal LogID 6321. The parallel proposal is being reviewed by TG-2. TG-7 should review the recommendation of TG-2 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-2 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6435	Other for Chapter 11 (include section and title below)
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Submitter:	Aaron Gary, US-EcoLogic
Requested Action:	Add new as follows
Proposed Change:	11.1005.1 Appraisals. One or more of the following is implemented. <u>(1) Energy rating data is posted to publicly accessible database so that appraisers can access it for performing "green" property valuations. - 2 POINTS</u> <u>(2) Green certification data is provided so that appraisers can access it for performing "green" property valuations. - 2 POINTS</u>
Reason:	The real key to increasing demand for high-performance homes is getting the information to home appraisers in such a way that they can recognize the increased value of the green certified home above that of a conventionally built home.
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 10 – Proposal LogID 6291. The parallel proposal is being reviewed by TG-4. TG-7 should review the recommendation of TG-4 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-4 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6441	Other for Chapter 11 (include section and title below)
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Submitter:	Aaron Gary, US-EcoLogic																
Requested Action:	Add new as follows																
Proposed Change:	<u>ADD NEW SECTION</u> 11.611.X Resilient Construction. Buildings are designed to withstand sever weather per Table 611.X Table 611.3 Fortified Home Technical Requirements Level <table border="1"> <thead> <tr> <th></th> <th>Points for Bronze</th> <th>Points for Silver</th> <th>Points for Gold</th> </tr> </thead> <tbody> <tr> <td><u>(1) Fortified Home Hurricane Technical Requirements</u></td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td><u>(2) Fortified Home High Wind Technical Requirements</u></td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td><u>(1) Fortified Home High Wind & Hail Bronze Technical Requirements</u></td> <td>X</td> <td>X</td> <td>X</td> </tr> </tbody> </table>		Points for Bronze	Points for Silver	Points for Gold	<u>(1) Fortified Home Hurricane Technical Requirements</u>	X	X	X	<u>(2) Fortified Home High Wind Technical Requirements</u>	X	X	X	<u>(1) Fortified Home High Wind & Hail Bronze Technical Requirements</u>	X	X	X
	Points for Bronze	Points for Silver	Points for Gold														
<u>(1) Fortified Home Hurricane Technical Requirements</u>	X	X	X														
<u>(2) Fortified Home High Wind Technical Requirements</u>	X	X	X														
<u>(1) Fortified Home High Wind & Hail Bronze Technical Requirements</u>	X	X	X														
Reason:	Rebuilding homes after severe weather is costly in terms of time, money, and materials. This green building standard should recognize projects that build resiliently.																
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 6 – Proposal LogID 6442. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.																
TG Recommendation (AS or AM or D):																	
Modification of Proposed Change:																	
TG Reason:																	

TG Vote:	
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Proposal ID TBD	LogID 6525	Other for Chapter 11 (include section and title below)
Submitter:	John Woestman, Extruded Polystyrene Foam Association (XPSA)	
Requested Action:	Add new as follows	
Proposed Change:	<p>11.706 Innovative Practices 11.706.1 Ducts in conditioned space. In climate zones1-4, heating system and cooling system ducts are located in conditioned space. Points = TBD 11.706.2 Insulated basement and crawl space. In climate zones4-8, basement and crawl space are insulated as required by the ICC IECC. Points = TBD</p>	
Reason:	In cooling dominated climate zones, where basements or crawl spaces are rarely constructed, moving or placing heating and cooling system ducts within (insulated) conditioned space improves the efficiency of the heating / cooling system. In heating dominated climate zones, where basements or crawl spaces are common, insulating those spaces as required by the ICC IECC improves energy efficiency significantly.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 7 – Proposal LogID 6515. The parallel proposal is being reviewed by TG-5. TG-7 should review the recommendation of TG-5 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-5 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6375	Other for Chapter 11 (include section and title below)
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	<p>11.505.X Street Network: Locate the project in an area of high intersection density. - 5 POINTS</p>	
Reason:	This credit encourages health and well being of home owners and tenants on by encouraging daily physical activity. It has the added benefits of promoting projects that are well connected to the community at large as well as encourage development within existing communities that minimizes vehicle miles traveled.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 5 – Proposal LogID 6345. The parallel proposal is being reviewed by TG-2. TG-7 should review the recommendation of TG-2 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-2 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6428	Other for Chapter 11 (include section and title below)
Submitter:	Aaron Gary, US-EcoLogic	

Requested Action:	Add new as follows
Proposed Change:	11.902.2.X All HVAC filter locations are designed such that they are easily accessible to the occupant. - 3 POINTS
Reason:	HVAC filters do not get changed when they are not accessible reducing the air quality and energy efficiency of the HVAC system and eventually leading to system failure.
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 9 – Proposal LogID 6419. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6417	Other for Chapter 11 (include section and title below)
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	ADD NEW SECTION 904.3 Indoor Air Quality Metric. Dwelling receives a IAQ score using the DOE IAQ Metric of X. (threshold TBD)	
Reason:	Recognize and encourage the adoption of the new DOE sponsored IAQ metric for indoor air quality.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 9 – Proposal LogID 6294. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6310	Other for Chapter 11 (include section and title below)
Submitter:	Susan Gitlin, US Environmental Protection Agency	
Requested Action:	Add new as follows	
Proposed Change:	11.608.2Design for Adaptation and Disassembly. <u>For siding, windows, mechanical/electrical/plumbing (MEP) systems, wall paneling and flooring materials, incorporate three or more of the following measures, as applicable:</u> <u>Use reusable/recyclable materials. For example:</u> <ul style="list-style-type: none"> o <u>Use materials and fixtures for which take-back or reuse/recycling programs are established.</u> o <u>Use high-quality materials that exceed minimum performance standards.</u> o <u>Avoid use of coatings or adhesives that prevent reuse and recycling.</u> <u>Promote disentanglement of building components. For example:</u> <ul style="list-style-type: none"> o <u>To limit the destruction of the surrounding materials, incorporate installation details that permit easy removal and replacement of components.</u> o <u>Consolidate placement of MEP components in building floorplans and cross-sections.</u> 	

	<p><u>Provide access to and use reversible connections, such as screws, bolts, or clips.</u></p> <input type="checkbox"/> <u>Provide disassembly and reuse information to owner.</u>
Reason:	Section 11.608 currently includes a single subsection encouraging the dematerialization of building components. The Design for Adaptation and Disassembly is similarly, an upstream strategy to improve resource efficiency and therefore, fits with the upstream, resource-efficiency focus of this section. The Design for Adaptation and Disassembly involves the utilization of recyclable/reusable building materials and preserves resources by maximizing their recovery and ensuring their continuous reutilization.
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 6 – Proposal LogID 6302. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6331	Other for Chapter 11 (include section and title below)
Submitter:	Paul Gay, US-EcoLogic	
Requested Action:	Revise as follows	
Proposed Change:	2012 commentary has good info. Include an edited version.	
Reason:	the 2012 commentary provides short but helpful guidance for implementation. it makes sense to include this information upfront and center in the working standard not buried in another book	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6313	Other for Chapter 11 (include section and title below)
Submitter:	Susan Gitlin, US Environmental Protection Agency	
Requested Action:	Revise as follows	
Proposed Change:	<p>11.1001.1Homeowner’s manual. A homeowner’s manual is provided and stored in a permanent location in the dwelling that includes the following, as available and applicable...</p> <p>...</p> <p>(25) Retrofit energy calculator that provides baseline for future energy retrofits.</p> <p><u>(26) Disassembly plan with as-built drawings and information about the method of disassembly for major components; and material selection for recycling/reuse.</u></p> <p>11.1001.2Training of initial building homeowners. Initial homeowners are familiarized with <u>their role</u> and the role of occupants in achieving green goals. Training is provided to the responsible party(ies)regarding <u>newly installed equipment changes in building operation and maintenance, including newly installed equipment operation and building material replacement,</u> and regarding occupant actions that will improve the environmental performance of the building. These include, <u>as applicable...</u></p> <p>...</p> <p>(7) Recycling and composting practices.</p> <p><u>(8) Disassembly methods for building components, material suitability for recycling and reuse, replacement with other recyclable/reusable materials.</u></p>	

Reason:	Design for Adaptation and Disassembly involves the utilization of recyclable/reusable building materials and preserves resources by maximizing building-material recovery. A disassembly plan and building-owner training on the disassembly methods and reuse/recycling properties of the major building components, facilitate disassembly and appropriate material management, and help realize the intent and benefits of the Design for Adaptation and Disassembly measures. Solution: Add Disassembly Plan as an additional item to be provided to homeowner, as applicable. Include training on disassembly methods and building material reuse/recycling properties as an additional training for parties responsible for building maintenance and operation, including replacement of building materials.
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 10 – Proposal LogID 6307. The parallel proposal is being reviewed by TG-4. TG-7 should review the recommendation of TG-4 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-4 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6314	Other for Chapter 11 (include section and title below)
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Submitter:	Susan Gitlin, US Environmental Protection Agency
Requested Action:	Revise as follows
Proposed Change:	<p>11.1002.1Building construction manual. A building construction manual, including five or more of the following, is compiled and distributed...</p> <p>...</p> <p>(8) A photo record of framing with utilities installed. Photos are taken prior to installing insulation and clearly labeled.</p> <p><u>(9) Disassembly plan with as-built drawings and information about the method of disassembly for major components; and material selection for recycling/reuse.</u></p> <p>11.1002.3Maintenance manual. Maintenance manuals are created and distributed to the responsible parties in accordance with Section 1002.0. Between all of the maintenance manuals, five or more of the following options are included...</p> <p>...</p> <p>(10) A green cleaning plan which includes guidance on sustainable cleaning products.</p> <p><u>(11) For use during building component maintenance and replacement, a disassembly plan with as-built drawings and information about the method of disassembly for major components; and material selection for recycling/reuse.</u></p> <p>11.1002.4Training of building owners. Building owners are familiarized with the <u>roles of operations and maintenance staff and occupants</u> in achieving green goals. On-site training is provided to the responsible party(ies) regarding <u>newly installed equipment changes in building operation and maintenance, including newly installed equipment operation, control systems and building material replacement and regarding</u> occupant actions that will improve the environmental performance of the building. These include, <u>as applicable...</u></p> <p>...</p> <p>(7) Recycling and composting practices.</p> <p><u>(8) Disassembly methods for building components, material suitability for recycling and reuse, replacement with other recyclable/reusable materials.</u></p>
Reason:	Design for Adaptation and Disassembly involves the utilization of recyclable/reusable building materials and preserves resources by maximizing building-material recovery. A disassembly plan and building-owner training on the disassembly methods and reuse/recycling properties of the major building components, facilitate disassembly and appropriate material management, and help realize the intent and benefits of the Design for Adaptation and Disassembly measures. Solution: Add Disassembly Plan as an additional item to be provided to building owners and parties responsible for operations and maintenance. Include training on disassembly methods and building material reuse/recycling properties as an additional

	training for parties responsible for building maintenance and operation, including replacement of building materials.
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 10 – Proposal LogID 6308. The parallel proposal is being reviewed by TG-4. TG-7 should review the recommendation of TG-4 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-4 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6263	Other for Chapter 11 (include section and title below)
Submitter:	Paul Gay, US-EcoLogic	
Requested Action:	Revise as follows	
Proposed Change:	<u>Projects that are exempt from Mandatory Practices earn points if measure is done</u>	
Reason:	precedent set ...see 705.6.2.1 and 705.6.2.3 a project that is exempt from Blower door /Duct test is awarded points if they are done	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6262	Other for Chapter 11 (include section and title below)
Submitter:	Paul Gay, US-EcoLogic	
Requested Action:	Revise as follows	
Proposed Change:	<u>Add Innovative credits/trade off</u>	
Reason:	Provide opportunity for innovative practices to be rewarded	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6245	Other for Chapter 11 (include section and title below)
Submitter:	Paul Gay, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	<u>11.XXX.XX</u> <u>Create Remodel Innovative Practice Section</u>	
Reason:	encourage program participation and remodel specific solutions	
TG Recommendation (AS or AM or D):		

Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6558	Other for Chapter 11 (include section and title below)
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Submitter:	Kat Benner, US-EcoLogic / TexEnergy
Requested Action:	Add new as follows
Proposed Change:	HEALTH AND WELL BEING (...prior to each sub-section of INNOVATIVE PRACTICES: 11.405, 11.505, 11.611, 11.706, 11.802, 11.905, 11.1005)
Reason:	To include a new sub-section within each chapter of the Protocol, as relevant, immediately preceding (or after) Innovative Practices section, to address health and well being issues that are interconnected to the overall Green certification, but independent/optional, not required. This opens the program to reach lifestyle and living for overall occupant health.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6569	Other for Chapter 11 (include section and title below)
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Submitter:	Kat Benner, US-EcoLogic / TexEnergy
Requested Action:	Revise as follows
Proposed Change:	11.801.6.3 Mandatory <u>6 points</u>
Reason:	(Note: Water Chapter 8 was missing from drop-down options on Chapter 11 online revisions? Thus, hand-typing Title) (Note 2: Same Revision below was submitted for corresponding standard Chapter 8 801.6.3, fyi) Reason for revision: Requiring WaterSense labeling, plan, and certified staff to install is impossible in many areas of the country, especially those further from large metropolitan areas, as WaterSense certified professionals are simply not available nor within any range to install or implement materials. Thus, also cost-prohibitive or simply impossible. Additionally, no equivalent program currently exists. Suggest removing Mandatory and instead leave measure, but suggest with 6 points awarded vs. Mandatory.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6494	Other for Chapter 11 (include section and title below)
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Submitter:	Jeremy Velasquez, TexEnergy Solutions
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Requested Action:	Add new as follows
Proposed Change:	Section 11.906.1 - Isolation of remodeled areas. To prevent contamination of unrenovated spaces, meet one of the following two options: <u>(1) Remodeled space is isolated from unrenovated space by masking of openings and/or providing strip doors. 1</u> <u>(2) Remodeled space is isolated from unrenovated space by masking of openings and/or providing strip doors and the space is either negatively pressurized by ducting exhaust to the exterior OR a HEPA filtration system is installed. 2</u>
Reason:	Air quality should be maintained in spaces that are being occupied while renovations are happening in other areas of the building.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6498	Other for Chapter 11 (include section and title below)
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Submitter:	Jeremy Velasquez, TexEnergy Solutions
Requested Action:	Add new as follows
Proposed Change:	New Section Section 11.505.7 - Pest Control - Meet one or more of the following: <u>(1) Containers and garbage cans are sealed and storage of household materials outside is minimized. 1</u> <u>(2) Pest Inspection is performed by certified pest control professional. 1</u>
Reason:	In some areas, pests can become an issue if trash and storage isn't properly secured.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6249	Other for Chapter 11 (include section and title below)
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Submitter:	Paul Gay, US-EcoLogic
Requested Action:	Add new as follows
Proposed Change:	<u>11.10XX.XX or 1X.XXX.XX</u> <u>(Existing Multi Family)</u> <u>Management has contract with Cleaning Company that enforces Green Cleaning Practices / has written Green Cleaning protocols established or Management Has written/enforcable In House Green Cleaning protocols in place</u> <u>and 48 hour Pre Occupancy Flush is conducted prior to tenant move in</u>
Reason:	Prior to move in Units are cleaned using Green Cleaning Practices (carpets etc) and or flushed
Concurrent Review Staff Note:	<i>This proposal is also being reviewed by TG-6 (Multifamily) as the proposal will affect multifamily buildings.</i>
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	

TG Vote:	
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Proposal ID TBD	LogID 6242	Other for Chapter 11 (include section and title below)
Submitter:	Paul Gay, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	<u>11.505.X Pre Construction Durability Assessment</u> <u>Assess Project lot and Building risks associated with lot location,</u> <u>develop strategies to address specified risks. Include measures in</u> <u>plans</u>	
Reason:	assess and address site / location specific risks eg Pests/UV/Excessive thermal considerations (Hot/Cold/ Humidity) Moisture/Soil/Terrain/Landscape and include measures to address in plans	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 5 – Proposal LogID 6241. The parallel proposal is being reviewed by TG-2. TG-7 should review the recommendation of TG-2 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-2 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6236	Other for Chapter 11 (include section and title below)
Submitter:	Paul Gay, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	<u>11 611 XX Conduct "TBD" hours of documented onsite trades training.</u> <u>Documentation shows date /duration /trade and reason</u>	setting / showing expectations of the credit requirement is an ongoing process....one and done = none. Verifier and
Reason:	Contractor teamwork is the trick,with visual and hands on learning the best way to ensure thing pass early and often	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 6 – Proposal LogID 6225. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6230	Other for Chapter 11 (include section and title below)
Submitter:	Paul Gay, US-EcoLogic	

Requested Action:	Add new as follows
Proposed Change:	<u>11.505 XX Install Permanent or Maintained/Managed Post Construction Sewer/Street drain protection</u>
Reason:	protect sewer system and water ways from ongoing post construction pollutants
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 5 – Proposal LogID 6223. The parallel proposal is being reviewed by TG-2. TG-7 should review the recommendation of TG-2 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-2 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6244	Other for Chapter 11 (include section and title below)
Submitter:	Paul Gay, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	<u>11.XXX.XX</u> <u>Conduct 3rd party Air Seal/ Compartmentalization Plan evaluation with pre and during construction Trades training.</u>	
Reason:	ensure air seal /compartmentalize measures are in plans and in scope of work.conduct training and provide guidance for correct/timely install practices early and as often as necessary	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 6 – Proposal LogID 6243. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6221	Other for Chapter 11 (include section and title below)
Submitter:	Steven Rosenstock, Edison Electric Institute	
Requested Action:	Add new as follows	
Proposed Change:	11.505.7 Battery Storage System. <u>A battery storage system is installed that stores electric energy from an on-site renewable electric generation system or is grid-interactive or can perform both functions.</u>	
Reason:	As more electric grids and homes install renewable and variable electric generation systems, there is more need for energy storage. In Hawaii, there are now special electric rates for customers that can store electricity from on-site PV systems. This new section will allow more storage technologies to receive credit in the NGBS. Information on Hawaii rates: https://www.hawaiianelectric.com/clean-energy-hawaii/producing-clean-energy/customer-self-supply-and-grid-supply-programs Information on different battery storage technologies: https://cleantechnica.com/2015/05/07/tesla-powerwall-price-vs-battery-storage-competitor-prices-residential-utility-scale/ https://cleantechnica.com/2015/05/09/tesla-powerwall-powerblocks-per-kwh-lifetime-prices-vs-aquion-energy-eos-energy-imergy/ http://www.solarpowerworldonline.com/2016/05/comparison-residential-solar-batteries/	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 7 – Proposal LogID 6220. The parallel proposal is being reviewed by TG-5. TG-7 should review the	

	recommendation of TG-5 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-5 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Chapter 12: Remodeling of Functional Areas

Proposal ID TBD	LogID 6330	12.0.1 Applicability
Submitter:	Paul Gay, US-EcoLogic	
Requested Action:	Revise as follows	
Proposed Change:	<u>2012 commentary has good info. include an edited version.</u>	
Reason:	the 2012 commentary provides short but helpful guidance for implementation. it makes sense to include this information upfront and center in the working standard not buried in another book	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6260	12.1(A) Product or material selection
Submitter:	Paul Gay, US-EcoLogic	
Requested Action:	Revise as follows	
Proposed Change:	<u>Clarify language in 12. (A) ...does this mean you can pick from any item designated 12.1.A XXXX?</u>	
Reason:	Clear language of intent is a good thing	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6340	12.1(A).604.1 Recycled content
Submitter:	Cambria McLeod, Kohler	
Requested Action:	Delete and substitute as follows	
Proposed Change:	<p><u>12.1(A).604.1 Product Declarations. A minimum of 3 newly installed products comply with one of the following subsections.</u></p> <p><u>12.1(A).604.1.1 Industry-wide declaration.</u> A Type III industry-wide environmental product declaration (EPD) is submitted for each product. Where the program operator explicitly recognized the EPD as representative of the product group on a National level, it is considered industry-wide. In the case where an industry-wide EPD represents only a subset of an industry group, as opposed to being industry-wide, the manufacturer is required to be explicitly recognized as a participant by the EPD program operator. All EPDs are required to consistent with ISO Standards 14025 and 21930 with at least a cradle-to-gate scope.</p> <p><u>12.1(A).604.1.2 Product Specific Declaration.</u> A product specific Type III EPD is submitted froe ach product. The product specific declaration shall be manufacturer-specific for an individual product or product family. All Type III EPDs are required to be certified as complying, at a minimum, with the goal and scope for the cradle-to-gate requirements in accordance with ISO Standards14025 and 21930.</p>	
Reason:	Remove sections in entirety. (This changes includes removal of SECTION 12.1(A).604.1 RECYCLED CONTENT, SECTION 12.1(A).609.1 REGIONAL MATERIALS and SECTION 12.1(A).610.1 LIFE CYCLE ASSESSMENT) Replace these three sections with the proposed language above. To increase use of the standard, reduce the complexity and remove the recycled content and regional material calculations. Regional material impacts are captured through EPDs, which are easier for the end user to locate and	

	provide a much better indicator as they focus on the outcome of the various inputs. Individually, single-attributes have little bearing on the final impact so they are being replaced with EPDs. Asking a contractor or other Standard user to find an LCA tool and use it to select various inputs is not user-friendly, nor is it an effective way to understand the burden of that product. Essentially they would be guessing as to the inputs whereas the use of an EPD allows the manufacturer to utilize specific inputs, removing the guesswork.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6328	12.1(A).606.2 Wood-based products
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Submitter:	Rob Brooks, Rob Brooks & Associates
Requested Action:	Delete and substitute as follows
Proposed Change:	<p>See proposed changes to Section 606.2:</p> <p>606.2 Wood-based products. <u>Wood or wood-based products shall be derived from a manufacturers' fiber procurement system that has been audited by an <i>approved agency</i> as compliant with the provisions of:</u></p> <p><u>(a) ASTM D7612 as a responsible or certified source. Government or tribal forestlands whose water protection programs have been evaluated by an <i>approved agency</i> as compliant with the responsible source designation of ASTM D7612 are exempt from auditing in the manufacturers' fiber procurement system.</u></p> <p><u>(b) National Wood Flooring Association's Responsible Procurement Program (RPP)</u></p>
Reason:	<p>See reason statement in proposed change to Section 606.2:</p> <ul style="list-style-type: none"> • This proposed change related to the acceptance of forest products is vital to the use of ICC-700 in states where forest product production is an important source of revenue, such as Oregon. Neighboring states, such as Washington, Idaho and California also rely upon forest product production and support the use of sustainable forestry and best management practices to maintain (among other objectives) water quality. • The IgCC, USGBC Pilot Credit and the USDA BioPreferred Program currently recognize ASTM D7612 responsible and certified sources. The 2012 ICC-700 recognizes responsible sources through the SFI Fiber Sourcing program. Alternatively, SFI Chain of Custody is a certified source. (see attached table). All of the existing forest certification programs listing in ICC-700 are recognized by ASTM D7612. • ASTM D7612 provides a means to specify sustainable forestry via the certified sources designation without the reference to proprietary standards such as SFI, FSC, ATFS, etc. The American National Standards Institute's (ANSI) Essential Requirements for Due Process, excludes specifying ecolabels—FSC, PEFC, SFI—that is, their brand name—because that would run afoul of ANSI's prohibition on the use of commercial terms. It says in part, "[t]he appearance that a standard endorses any particular products, services or companies must be avoided." Previously, there was no method to generically specify these ecolabels, but with the advent of the ASTM D7612, the generic reference is available, which should replace the proprietary ecolabel. The USGBC Pilot Credit recognizes this advantage and avoids comparison between proprietary systems to avoid improper commercial endorsement. • ASTM D7612 provides a means to specify enforcement of best management practices by governmental agencies that have authority to protect water quality on both certified and non-certified forestlands via the responsible source designation. For Oregon, enforcement is achieved through the Oregon Forest Practices Act (OFPA), regardless of whether the forestland is certified to sustainable forestry standards, or not. <ul style="list-style-type: none"> o Enforcement is defined as having authority, staffing, budget, proof of citations and the ability to adapt the rules to improve the system. Oregon forestlands subject to the OFPA have been independently audited and found compliant to the responsible source designation by PFS Corporation. o The emphasis on water quality for government or tribal forestlands is due to the existing rules already in place to protect forests (see https://cfpub.epa.gov/watertrain/moduleFrame.cfm?parent_object_id=1517 The degree to which these rules are enforced by each state has been evaluation by the National Association of State Foresters http://www.stateforesters.org/state-forestry-agency-best-management-practices-protecting-water#sthash.7VDEx3y6.dpbs The three tiers of enforcement are non-regulatory, quasi-regulatory and

	<p>regulatory in order of increasing compliance. ASTM D76712 recognizes those states having quasi-regulatory and regulatory compliance under the responsible source designation.</p> <ul style="list-style-type: none"> o The strength of the responsible sources program is the ability to issue citations (fines) for noncompliance to water quality rules and to reward states/jurisdictions that fund enforcement. Citations are issued to operators on both certified and non-certified forests. In some states, such as Oregon, the OFPA rules extend beyond water quality. Oregon producers want recognition of their compliance to OFPA, but not at the same tier as certified sources to avoid market confusion that responsible and certified sources are equivalent. o Manufacturers are required to trace fiber procurement under both the responsible and certified sources designation. Further information can be provided to the ICC-700 committee upon request. o The strength of the certified sources program is to write rules that extend beyond issues related to water quality. When damage to the forest happens from non-compliance, certified source programs can de-certify clients, they cannot issue citations or stop-work orders to remediate damage. o Thus, the responsible source program is an important enforcement component (and partner) to a certified source program. It will provide recognition for those states who actively monitor, enforce and punish offenders not in compliance with the law. It encourages states to enforce their water quality rules through inspection, documentation and citation, which is complementary to the voluntary sustainable forestry standards, or certified sources. It supports the “boots on the ground”, actively monitoring harvest operations on both public and private lands. o ASTM D7612 not only supports the expanded enforcement of existing water quality rules (aka best management practices), but also recognizes voluntary compliance to those sustainable forestry practices above and beyond state water quality rules. • In Oregon, the OFPA applies to approximately 10 million acres; of which approximately 4 million acres are certified forests. If the responsible source designation were also applied to federal and tribal lands, the designation would apply to approximately 30 million acres of forestland in Oregon. The fiscal implication of the responsible source designation is significant to the increased value of building products derived from private and public lands, which is why the state of Oregon is presenting this request. The responsible source designation provides states recognition of best management practice enforcement on public lands without the controversial decision and cost to convert to the certified source designation. Further information about ASTM D7612 is found at https://www.astm.org/standardization-news/?q=features/green-greener-greenest-ma17.html.
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 6 – Proposal LogID 6327. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6316	12.1(A).608.1 Resource-efficient materials
Submitter:	Susan Gitlin, US Environmental Protection Agency	
Requested Action:	Revise as follows	
Proposed Change:	<p>12.608.1 Resource-efficient materials. Products containing fewer materials are used to achieve same end-use requirements as conventional products, including but not limited to:</p> <ul style="list-style-type: none"> (1) Lighter, thinner brick with depth less than 3 inches and/or brick with coring of more than 25 percent (2) (1) Engineered wood or engineered steel products (3) (2) Roof or floor trusses 	
Reason:	<p>Since engineered wood, engineered steel products and roof or floor trusses are incorporated intermittently in the façade, and/or entirely in the interior, their dematerialization is not likely to jeopardize the structure’s overall energy efficiency. In fact, filling with insulation those spots in the exterior walls where the unneeded mass of structural elements would otherwise have been, reduces the thermal bridging associated with structural elements in exterior walls and improves the structure’s energy efficiency. Conversely, the continuous dematerialization of a façade material, such as brick, may require an addition of more insulation to compensate for the loss of volume all along the perimeter, just to achieve comparable energy efficiency. A more accurate assessment of the benefits of the</p>	

	dematerialization of façade materials can possibly be made and if there are benefits, points can be captured through Life Cycle Assessments (12.610.1.1 and 12.610.1.2) that apply a material consumption impact category in addition to categories measuring energy-consumption impacts through the manufacturing, construction and use life-cycle stages.
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 6 – Proposal LogID 6303. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6341	12.1(A).609.1 Regional materials
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Submitter:	Cambria McLeod, Kohler
Requested Action:	Delete and substitute as follows
Proposed Change:	<p><u>12.1(A).604.1 Product Declarations. A minimum of 3 newly installed products comply with one of the following subsections.</u></p> <p><u>12.1(A).604.1.1 Industry-wide declaration.</u> A Type III industry-wide environmental product declaration (EPD) is submitted for each product. Where the program operator explicitly recognized the EPD as representative of the product group on a National level, it is considered industry-wide. In the case where an industry-wide EPD represents only a subset of an industry group, as opposed to being industry-wide, the manufacturer is required to be explicitly recognized as a participant by the EPD program operator. All EPDs are required to consistent with ISO Standards 14025 and 21930 with at least a cradle-to-gate scope.</p> <p><u>12.1(A).604.1.2 Product Specific Declaration.</u> A product specific Type III EPD is submitted froe ach product. The product specific declaration shall be manufacturer-specific for an individual product or product family. All Type III EPDs are required to be certified as complying, at a minimum, with the goal and scope for the cradle-to-gate requirements in accordance with ISO Standards14025 and 21930.</p>
Reason:	Remove sections in entirety. (This changes includes removal of SECTION 12.1(A).604.1 RECYCLED CONTENT, SECTION 12.1(A).609.1 REGIONAL MATERIALS and SECTION 12.1(A).610.1 LIFE CYCLE ASSESSMENT) Replace these three sections with the proposed language above. To increase use of the standard, reduce the complexity and remove the recycled content and regional material calculations. Regional material impacts are captured through EPDs, which are easier for the end user to locate and provide a much better indicator as they focus on the outcome of the various inputs. Individually, single-attributes have little bearing on the final impact so they are being replaced with EPDs. Asking a contractor or other Standard user to find an LCA tool and use it to select various inputs is not user-friendly, nor is it an effective way to understand the burden of that product. Essentially they would be guessing as to the inputs whereas the use of an EPD allows the manufacturer to utilize specific inputs, removing the guesswork.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6343	12.1(A).610.1 Life cycle analysis
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Submitter:	Cambria McLeod, Kohler
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Requested Action:	Delete and substitute as follows
Proposed Change:	<p><u>12.1(A).604.1 Product Declarations. A minimum of 3 newly installed products comply with one of the following subsections.</u></p> <p><u>12.1(A).604.1.1 Industry-wide declaration.</u> A Type III industry-wide environmental product declaration (EPD) is submitted for each product. Where the program operator explicitly recognized the EPD as representative of the product group on a National level, it is considered industry-wide. In the case where an industry-wide EPD represents only a subset of an industry group, as opposed to being industry-wide, the manufacturer is required to be explicitly recognized as a participant by the EPD program operator. All EPDs are required to consistent with ISO Standards 14025 and 21930 with at least a cradle-to-gate scope.</p> <p><u>12.1(A).604.1.2 Product Specific Declaration.</u> A product specific Type III EPD is submitted froe ach product. The product specific declaration shall be manufacturer-specific for an individual product or product family. All Type III EPDs are required to be certified as complying, at a minimum, with the goal and scope for the cradle-to-gate requirements in accordance with ISO Standards 14025 and 21930.</p>
Reason:	Remove sections in entirety. (This changes includes removal of SECTION 12.1(A).604.1 RECYCLED CONTENT, SECTION 12.1(A).609.1 REGIONAL MATERIALS and SECTION 12.1(A).610.1 LIFE CYCLE ASSESSMENT and subsections) Replace these three sections with the proposed language above. To increase use of the standard, reduce the complexity and remove the recycled content and regional material calculations. Regional material impacts are captured through EPDs, which are easier for the end user to locate and provide a much better indicator as they focus on the outcome of the various inputs. Individually, single-attributes have little bearing on the final impact so they are being replaced with EPDs. Asking a contractor or other Standard user to find an LCA tool and use it to select various inputs is not user-friendly, nor is it an effective way to understand the burden of that product. Essentially they would be guessing as to the inputs whereas the use of an EPD allows the manufacturer to utilize specific inputs, removing the guesswork.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6317	12.1(A).610.1 Life cycle analysis
Submitter:	Susan Gitlin, US Environmental Protection Agency	
Requested Action:	Revise as follows	
Proposed Change:	<p><u>12.1(A).610.1.1 Functional area life cycle assessment.</u> An LCA is performed in conformance with ASTM E2921 for an entire functional area using ISO14044 compliant a life cycle assessment.</p> <p>Execute LCA at the functional-area level through a comparative analysis between the final and reference building designs as set forth under Standard Practice, ASTM E-2921. The assessment criteria includes the following environmental impact categories:</p> <ul style="list-style-type: none"> a. Primary energy use b. Global warming potential c. Acidification potential d. Eutrophication potential e. Ozone depletion potential f. Smog potential g. <u>Material Use</u> h. <u>Waste</u> i. <u>Water Use</u> j. <u>Pollution Discharges to Water</u> <p>...</p>	

	<p>Execute full LCA, including <u>extraction and harvesting, manufacturing, construction, use and end-of-life phases</u>. <u>For the use phase, calculate through calculation of operating energy impacts (c) – (f) using local or regional emissions factors from energy supplier, utility or EPA. For the use phase, also include impacts associated with material replacements.</u></p> <p>12.1(A).610.1.2.1 Life cycle assessment for a product or assembly Product LCA. ...The environmental impact measures used in the assessment are selected from the following:</p> <ul style="list-style-type: none"> a. Primary energy use b. Global warming potential c. Acidification potential d. Eutrophication potential e. Ozone depletion potential f. Smog potential g. <u>Material Use</u> h. <u>Waste</u> i. <u>Water Use</u> j. <u>Pollution Discharges to Water</u> <p>12.1(A).610.1.2.2 Building Assembly LCA. A building assembly with improved environmental impact measures...</p> <p>...The environmental impact measures used in the assessment are selected from the following:</p> <ul style="list-style-type: none"> a. Primary energy use b. Global warming potential c. Acidification potential d. Eutrophication potential e. Ozone depletion potential f. Smog potential g. <u>Material Use</u> h. <u>Waste</u> i. <u>Water Use</u> j. <u>Pollution Discharges to Water</u> 			
Reason:	<p>Using less material and recovering more is crucial to our economic and environmental future. Material use and waste generation over the life cycle of a building should be modeled. In addition, the “full” life cycle assessment should include all life cycle phases, including manufacturing, construction, use and end-of-life phases. While the NGBS-proposed language for whole-building life cycle assessment emphasizes that the assessment should include the use phase, it omits mentioning the manufacturing, construction and end-of-life phases. The language for the whole-building use phase indicates that impacts related to energy use should be evaluated, but remains silent on the need to evaluate impacts associated with the replacement of materials. Finally, the organization of the section 12.1(A).610.1.2 is inconsistent with sections 11.610.1.2 and 6.610.1.2. Solution: Add the material use and waste impact categories to the assessment criteria. Emphasize that the boundary of the assessment should include the manufacturing, construction and end-of-life phase. Emphasize that the assessment of the use phase should include the analysis of impacts associated with the replacement of materials. Divide Section 12.1(A).610.1.2 into 12.1(A).610.1.2.1 Product LCA and 12.1(A).610.1.2.2 Building Assembly LCA for organizational consistency with 11.610.1.2 and 6.610.1.2.</p>			
Parallel Proposal Staff Note:	<p>A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 6 – Proposal LogID 6304. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.</p>			
TG Recommendation (AS or AM or D):				
Modification of Proposed Change:				
TG Reason:				
TG Vote:				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Proposal ID TBD</td> <td style="width: 20%;">LogID 6224</td> <td style="width: 60%;">12.1(A).610.1 Life cycle analysis</td> </tr> </table>		Proposal ID TBD	LogID 6224	12.1(A).610.1 Life cycle analysis
Proposal ID TBD	LogID 6224	12.1(A).610.1 Life cycle analysis		
Submitter:	Paul Gay, US-EcoLogic			

Requested Action:	Delete without substitution
Proposed Change:	<p>12.1(A).610.1 Life cycle assessment. A life cycle assessment (LCA) tool is used to select environmentally preferable products, assemblies, or entire functional area in accordance with Section 12.1(A).610.1.1 or 12.1(A).610.1.2, respectively. Only one method of analysis or tool may be utilized. The reference service life is 60 years for any LCA tool. Results of the LCA are reported in terms of the environmental impacts listed in this practice and it is stated if operating energy was included in the LCA.</p> <p>-</p> <p>- 12.1(A).610.1.1 Functional area life cycle assessment. An LCA is performed in conformance with ASTM E2921 for an entire functional area using ISO14044 compliant life cycle assessment.</p> <p>- (1) Execute LCA at the functional area level through a comparative analysis between the final and reference building designs as set forth under Standard Practice, ASTM E2921. The assessment criteria includes the following environmental impact categories:</p> <p>- (a) primary energy use</p> <p>- (b) Global warming potential</p> <p>- (c) Acidification potential</p> <p>- (d) Eutrophication potential</p> <p>- (e) Ozone depletion potential</p> <p>- (f) Smog potential</p> <p>- (2) Execute LCA on regulated loads throughout the building operations life cycle stage. Conduct simulated energy performance analyses in accordance with Section 702.2.1 ICC IECC analysis (IECC Section 405) in establishing the comparative performance of final versus reference building designs. Primary energy use savings and global warming potential avoidance from simulation analyses results are determined using energy supplier, utility, or EPA electricity generation and other fuels energy conversion factors and electricity generation and other fuels emission rates for the locality or Sub-Region in which the building is located.</p> <p>- (3) Execute full LCA, including use phase, through calculation of operating energy impacts (c) – (f) using local or regional emissions factors from energy supplier, utility, or EPA.</p> <p>-</p> <p>- 12.1(A).610.1.2 Life cycle assessment for a product or assembly. An environmentally preferable product or assembly is selected for an application based upon the use of an LCA tool that incorporates data methods compliant with ISO 14044 or other recognized standards that compare the environmental impact of products or assemblies.</p> <p>- (1) Two or more products with the same intended use are compared based on LCA and the product with at least a 15% average improvement is selected. A minimum of four environmental impact measures are included in the</p>

	<p>comparison. The environmental impact measures to be considered are chosen from the following:</p> <ul style="list-style-type: none"> - - (a) primary energy use - - (b) global warming potential - - (c) acidification potential - - (d) eutrophication potential - - (e) ozone depletion potential - - (f) smog potential <p>(2) An assembly with improved environmental impact measures that are on average at least 15% better than a comparable functionally assembly is selected. A minimum of four environmental impact measures are included in the comparison. The full life cycle, from resource extraction to demolition and disposal (including but not limited to on-site construction, maintenance and replacement, material and product embodied acquisition, and process and transportation energy), is assessed. The assessment includes all structural elements, insulation, and wall coverings of the assembly. The assessment does not include electrical and mechanical equipment and controls, plumbing products, fire detection and alarm systems, elevators, and conveying systems. The following functional building elements are eligible for points under this practice:</p> <ul style="list-style-type: none"> - - (a) exterior walls - - (b) roof/ceiling - - (c) interior walls or ceilings - - (d) intermediate floors <p>The environmental impact measures to be considered are chosen from the following:</p> <ul style="list-style-type: none"> - - (a) primary energy use - - (b) global warming potential - - (c) acidification potential - - (d) eutrophication potential - - (e) ozone depletion potential - - (f) smog potential <p>-</p> <p>- 12.1(A).611.1 Manufacturer's environmental management system concepts. For one or more products used in the remodel, the product's manufacturer's operations and business practices include environmental management system concepts, and the production facility is registered to ISO 14001 or equivalent.</p>
Reason:	this seems an excessive mandatory requirement for a remodel project. should be encouraged but not required, i suspect this section as a requirement will put off potential program users
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	

TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6361	12.1(A).611.1 Manufacturer's environmental management system
Submitter:	Cambria McLeod, Kohler	
Requested Action:	Revise as follows	
Proposed Change:	Manufacturer's environmental management system concepts. For one or more products used in the remodel, the product manufacturer's operations and business practices include environmental management system concepts, and the production facility is registered to ISO14001 or equivalent. <u>Product Specific Declaration Improvements. Utilizing a Type III environmental product declaration (EPD), one or more products used in the remodel shall demonstrate an improvement over prior EPDs for those same products.</u>	
Reason:	The use of ISO 14001 adds minimal value and is not widely used as a facility could be ISO 14001 compliant and have negative impacts. Proving that a product's impacts, throughout its lifecycle, are improving over time is a more effective way to demonstrate innovation. Comparing a product's EPD from one year to the next can demonstrate improvement in environmental management systems, regardless of the type of facility registration.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 6 – Proposal LogID 6360. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6257	12.1.601.2 Material usage (General)
Submitter:	Paul Gay, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	<u>Exemption if the exterior wall surface can not accommodate the advanced framing measures listed due to structural integrity issues.</u>	
Reason:	[Exception requires a stamped letter to be completed by the Professional Engineer designing the structural detailing for the building explaining why].	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6526	12.1.701.4.0 Minimum energy efficiency requirements
Submitter:	John Woestman, Extruded Polystyrene Foam Association (XPSA)	
Requested Action:	Revise as follows	
Proposed Change:	12.1.701.4.0 Minimum energy efficiency requirements. Additions, alterations, or renovations to an existing building, building system or portion thereof comply with the provisions of the International Energy Conservation Code-ICC IECC as they relate to new construction without requiring the unaltered portion(s) of the existing building or building system to comply with this code standard. <u>An addition complies with</u>	

	the <u>ICC IECC</u> if the addition complies or if the existing building and addition comply with the <u>ICC IECC</u> as a single building.
Reason:	Revising for clarity, and consistent reference to ICC IECC.
Parallel Proposal Staff Note:	<i>A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 11 – Proposal LogID 6519.</i>
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6443	12.1.701.4.1.1 HVAC system sizing
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Revise as follows	
Proposed Change:	12.1.701.4.1.1 HVAC system sizing TC"12.1.701.4.1.1HVAC system sizing" \f C \l "3" . Newly installed or modified space heating and cooling system is sized according to heating and cooling loads calculated using ACCA Manual J, or equivalent. New equipment is selected using ACCA Manual S or equivalent. Where existing equipment is used <u>to serve a functional area whose total conditioned area was increased during the remodel</u> , Manual J is used to verify the capacity is appropriate for the remodel.	
Reason:	Existing equipment that is not being modified in any other way and where this is not change to the amount of conditioned are being served should not be required to be modified.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6265	12.1.701.4.1.1 HVAC system sizing
Submitter:	Paul Gay, US-EcoLogic	
Requested Action:	Delete without substitution	
Proposed Change:	12.1.701.4.1.1 HVAC system sizing..." Where existing equipment is usedMan J is used to verify the capacity is appropriate for the remodel"	
Reason:	The additional "existing system" language isn't in Chapter 11 701.4.1.1 strike out to align standard language. what happens if the HVAC isn't "appropriate"?	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6384	12.1.701.4.4 High-efficacy lighting
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Revise as follows	

Proposed Change:	High-efficacy lighting. <u>Newly installed</u> Lighting efficacy in dwelling units is in accordance with one of the following: (1) A minimum of 75 percent of the total hard-wired lighting fixtures or the bulbs in those fixtures qualify as high efficacy or equivalent (2) Lighting power density, measured in watts/square foot, is 1.1 or less.
Reason:	Aligns with other measures in Chapter 12 that only pertain to Newly Installed items. Current language mandates changing out existing lighting to meet this Mandatory item. Calculating a lighting power density for newly installed lighting only does not make sense and hence option (2) should be removed.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6385	12.1.901.2.1 Solid fuel-burning appliances
Submitter:	Aaron Gary, US-EcoLogic	
Requested Action:	Revise as follows	
Proposed Change:	(2) Factory-built, wood-burning fireplaces are in accordance with the certification requirements of UL 127 and are EPA certified or Phase 2 Qualified.	
Reason:	The EPA does not certify factory-built wood burning fireplaces so the first reference is nonsensical. Very few fireplaces meet the EPA Phase 2 Qualified requirements and thus they are exorbitantly priced compared to other similar fireplaces. The second reference as a Mandatory measure represents undue burden for projects and should be removed.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 9 – Proposal LogID 6203. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6272	12.1.901.6 Carpets
Submitter:	Paul Gay, US-EcoLogic	
Requested Action:	Revise as follows	
Proposed Change:	(1) wall-to-wall No New Carpeting is not installed adjacent to water closets and bathing fixtures in half/full bathrooms, kitchens, utility/laundry rooms or within 3 ft of entries. <u>Exemplary credit if existing carpet in these areas is removed and replaced with hard flooring.</u>	
Reason:	who wants soggy socks??!original language is behind current /typical standard building practice	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 9 – Proposal LogID 6275. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		

Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6276	12.1.901.8 Interior wall coverings
Submitter:	Paul Gay, US-EcoLogic	
Requested Action:	Revise as follows	
Proposed Change:	is this standard common practice ie Home Depot off the shelf wallpaper meets it ? Can we simplify it?	
Reason:	Blah,blah, blahneed cleaner , clearer language	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6444	12.1.901.9.2 Interior coatings emission levels								
Submitter:	Aaron Gary, US-EcoLogic									
Requested Action:	Revise as follows									
Proposed Change:	<p>12.1.901.9.2 Newsite applied interior architectural coatings are in accordance with the emission levels of CDPH/EHLB Standard Method v1.1, footnote b in Table 4.1 doesnot apply (i.e., maximum allowable formaldehyde concentration is 16.5 µg/m³(13.5 ppb)). Emission levels are determined by a laboratory accredited to ISO/IEC 17025 and the CDPH/EHLB Standard Method v1.1 is in its scope of accreditation. The product is certified by a third-party program accredited to ISO 17065, such as, but not limited to, those in Appendix D.</p> <p><u>Architectural coating colorant additive VOC content is in accordance with Table 901.9.2.</u></p> <p><u>(Points for 901.9.2 are awarded only if base architectural coating is in accordance with 901.9.1.)</u></p> <p><u>Table 901.9.2</u></p> <p><u>VOC Content Limits for Colorants</u></p> <table border="1"> <thead> <tr> <th><u>Colorant</u></th> <th><u>LIMIT (g/l)</u></th> </tr> </thead> <tbody> <tr> <td><u>Architectural Coatings, excluding IM Coatings</u></td> <td><u>50</u></td> </tr> <tr> <td><u>Solvent-Based IM</u></td> <td><u>600</u></td> </tr> <tr> <td><u>Waterborne IM</u></td> <td><u>50</u></td> </tr> </tbody> </table>		<u>Colorant</u>	<u>LIMIT (g/l)</u>	<u>Architectural Coatings, excluding IM Coatings</u>	<u>50</u>	<u>Solvent-Based IM</u>	<u>600</u>	<u>Waterborne IM</u>	<u>50</u>
<u>Colorant</u>	<u>LIMIT (g/l)</u>									
<u>Architectural Coatings, excluding IM Coatings</u>	<u>50</u>									
<u>Solvent-Based IM</u>	<u>600</u>									
<u>Waterborne IM</u>	<u>50</u>									
Reason:	Aligns the requirements of 12.1.901.9.2 with sections 11.901.9.2 and 901.9.2.									
TG Recommendation (AS or AM or D):										
Modification of Proposed Change:										
TG Reason:										

TG Vote:	
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Proposal ID TBD	LogID 6282	12.1.902.1.1 Spot ventilation
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Submitter:	Paul Gay, US-EcoLogic
Requested Action:	Revise as follows
Proposed Change:	<p>12.1.902.1.4 <u>12.3. XXX.XX</u> Bathrooms are vented to the outdoors. The minimum ventilation rate is 50 cfm (23.6 L/s) for intermittent operation or 20 cfm (9.4 L/s) for continuous operation in bathrooms.</p> <p>Exemption if walls / ceilings are not opened up</p>
Reason:	as written the language indicates, regardless of the actual scope of work (ie addition/kitchen remodel/attic remodel) the bath fans have to be vented to outside. suggest moving to section 12.3 Chapter 11 902.1.1 has exemptions
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6283	12.1.902.1.1 Spot ventilation
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Submitter:	Paul Gay, US-EcoLogic
Requested Action:	Revise as follows
Proposed Change:	<p>(2) Clothes dryers (except listed and labeled condensing ductless dryers) are vented to the outdoors.</p> <p>Exemption if opening walls and ceilings is beyond project scope</p>
Reason:	as written the language indicates, regardless of the actual scope of work (ie addition/kitchen remodel/attic remodel) the clothes dryer have to be vented to outside. This would be a significant cost add and may force client to chose not to participate in program Chapter 11 902.1.1 has exemption
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6374	12.2.801.4.1 Faucets
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Submitter:	Cambria McLeod, Kohler
Requested Action:	Delete without substitution
Proposed Change:	12.2.801.4.1 Faucets. Newly installed lavatory faucets have a maximum flow rate of 1.5 gpm (5.68 L/m) or less when tested at 60 psi (414 kPa) in accordance with ASME A112.18.1.
Reason:	Lavatory faucets are not relevant for kitchen remodels.
TG Recommendation (AS or AM or D):	

Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6370	12.3.801.3 Showerheads
Submitter:	Cambria McLeod, Kohler	
Requested Action:	Revise as follows	
Proposed Change:	The total maximum combined flow rate of all newly installed showerheads controlled by a single valve at any point in time in a shower compartment is 1.6 to less than 2.5 gpm. Maximum of two valves are installed per shower compartment. The flow rate is tested at 80 psi (552kPa) in accordance with ASME A112.18.1. Showerheads shall comply with ASME A112.18.1/CSA B125.1. Showerheads are served by an automatic compensating valve that complies with ASSE 1016/ASME A112.1016/CSA B125.16 or ASME A112.18.1/CSA B125.1 and specifically designed to provide thermal shock and scald protection at the flow rate of the showerhead.	
Reason:	The language needs to be updated to reflect the harmonized standards. Including the pressure values is repetitive because they are included in the product standard requirements.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 8 – Proposal LogID 6367. The parallel proposal is being reviewed by TG-4. TG-7 should review the recommendation of TG-4 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-4 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6376	12.3.801.4.1 Faucets
Submitter:	Cambria McLeod, Kohler	
Requested Action:	Revise as follows	
Proposed Change:	801.4.1 <u>Lavatory</u> Faucets. Newly installed lavatory faucets shall have a maximum flow rate of 1.5 gpm (5.68 L/m) at 60 psi (414 kPa) in accordance compliance with ASME A112.18.1/CSA B125.1, and certified to the performance criteria of the U.S. EPA WaterSense High-Efficiency Lavatory Faucet <u>Specification</u> .	
Reason:	Add the term 'lavatory' in the section title for consistency with the rest of the standard. The ASME and CSA standards are harmonized standards. They are recognized in the industry as ASME A112.18.1/CSA B125.1 and should be referenced as such. The EPA Water Sense program is a well-recognized program and products carrying a WaterSense label demonstrate that they not only save water, but they have been third-party certified to meet performance criteria. This allows consumers to easily identify water-efficient products that also perform. This program has widespread support and there are over 12,000 bathroom faucets/accessories currently labeled with WaterSense.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 8 – Proposal LogID 6372. The parallel proposal is being reviewed by TG-4. TG-7 should review the recommendation of TG-4 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-4 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		

TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6381	12.3.801.5 Water closets
Submitter:	Cambria McLeod, Kohler	
Requested Action:	Revise as follows	
Proposed Change:	12.3.801.5 Water closets. All newly installed water closets have an effective flush volume of 1.28 gallons (4.85 L) or less when tested in accordance, in compliance with ASME A112.19.2/CSA B45.1 or ASME A112.19.14 as applicable, and is in accordance with EPA WaterSense Tank-Type Toilets. <u>Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type Toilets.</u>	
Reason:	Current language is permissive and unclear as to the requirements. The proposal keeps the intent but clarifies the language.	
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 8 – Proposal LogID 6377. The parallel proposal is being reviewed by TG-4. TG-7 should review the recommendation of TG-4 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-4 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6256	12.6.902.3 Radon control
Submitter:	Paul Gay, US-EcoLogic	
Requested Action:	Delete and substitute as follows	
Proposed Change:	<p>12.4.902.3 Radon control TC"12.4.902.3Radon control" \f C \l "3" . In Radon Zone 1, passive or active radon control system is installed in accordance with ICC IRC Appendix F.</p> <p>12.6.902.3 Radon control. In Radon Zone 1, passive or active radon control system is installed in accordance with ICC IRC Appendix F.</p> <p><u>12.6.902.3 Radon control</u> TC"11.902.3 Radon control" \f C \l "3" . Radon control measures are in accordance with ICC IRC Appendix F. Zones are defined in Figure 9(1). This practice is not mandatory if the existing building has been tested for radon and is accordance with federal and local acceptable limits.</p> <p><u>12.4.902.3 Radon control</u> TC"11.902.3 Radon control" \f C \l "3" . Radon control measures are in accordance with ICC IRC Appendix F. Zones are defined in Figure 9(1). This practice is not mandatory if the existing building has been tested for radon and is accordance with federal and local acceptable limits.</p>	
Reason:	Standard Language to align with Chapter 11. Also , as written potentially adds a huge cost add best to determine if measures are in fact warranted	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6246	Other for Chapter 12 (include section number and title below)
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Submitter:	Paul Gay, US-EcoLogic
Requested Action:	Add new as follows
Proposed Change:	<u>12.XXX.XX</u> Create Remodel Innovative Practice Section
Reason:	Encourage program participation and remodel specific solutions
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6255	Other for Chapter 12 (include section number and title below)
Submitter:	Paul Gay, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	<u>12 XXX.XX</u> allow Irrigation improvement/ upgrade to count toward total water savings.	
Reason:	e.g upgraded irrigation system saves XXXXXX gals of water per year its the equivalent of XX units switching to low flow faucets and toilets.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6495	Other for Chapter 12 (include section number and title below)
Submitter:	Jeremy Velasquez, TexEnergy Solutions	
Requested Action:	Add new as follows	
Proposed Change:	<u>Section 12.7.1 - Isolation of remodeled areas. To prevent contamination of unrenovated spaces, meet the following:</u> Remodeled space is isolated from unrenovated space by masking of openings and/or providing strip doors.	
Reason:	Air quality should be maintained in occupied spaces of the building while renovations of functional spaces is ongoing.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6532	Other for Chapter 12 (include section number and title below)
Submitter:	John Woestman, Extruded Polystyrene Foam Association (XPSA)	
Requested Action:	Add new as follows	
Proposed Change:	<u>12.706</u> <u>Innovative Practices</u>	

	<p>12.706.1 Ducts in conditioned space. In climate zones1-4, heating system and cooling system ducts are located in conditioned space. Points = TBD</p> <p>12.706.2 Insulated basement and crawl space. In climate zones4-8, basement and crawl space are insulated as required by the ICC IECC. Points = TBD</p>
Reason:	In cooling dominated climate zones, where basements or crawl spaces are rarely constructed, moving or placing heating and cooling system ducts within (insulated) conditioned space improves the efficiency of the heating / cooling system. In heating dominated climate zones, where basements or crawl spaces are common, insulating those spaces as required by the ICC IECC improves energy efficiency significantly.
Parallel Proposal Staff Note:	A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 7 – Proposal LogID 6515. The parallel proposal is being reviewed by TG-5. TG-7 should review the recommendation of TG-5 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-5 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6271	Other for Chapter 12 (include section number and title below)
Submitter:	Paul Gay, US-EcoLogic	
Requested Action:	Add new as follows	
Proposed Change:	<u>12.901 XX Carbon Monoxide Alarms. A carbon Monoxide alarm is provided</u>	
Reason:	allow battery/ hard wire or existing smoke to be switch out for combo CO/Smokeeasy/inexpensive life safety measure	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6261	Other for Chapter 12 (include section number and title below)
Submitter:	Paul Gay, US-EcoLogic	
Requested Action:	Revise as follows	
Proposed Change:	<u>Add Innovative credits/trade off</u>	
Reason:	Provide opportunity for innovative practices to be rewarded	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		

Proposal ID TBD	LogID 6315	Other for Chapter 12 (include section number and title below)
Submitter:	Susan Gitlin, US Environmental Protection Agency	

Requested Action:	Add new as follows
Proposed Change:	<p><u>12.608.2 Design for Adaptation and Disassembly.</u> <u>For siding, windows, mechanical/electrical/plumbing (MEP) systems, wall paneling and flooring materials, incorporate three or more of the following measures, as applicable:</u> <u>Use reusable/recyclable materials. For example:</u></p> <ul style="list-style-type: none"> o <u>Use materials and fixtures for which take-back or reuse/recycling programs are established.</u> o <u>Use high-quality materials that exceed minimum performance standards.</u> o <u>Avoid use of coatings or adhesives that prevent reuse and recycling.</u> <p><u>Promote disentanglement of building components. For example:</u></p> <ul style="list-style-type: none"> o <u>To limit the destruction of the surrounding materials, incorporate installation details that permit easy removal and replacement of components.</u> o <u>Consolidate placement of MEP components in building floorplans and cross-sections.</u> <p><u>Provide access to and use reversible connections, such as screws, bolts, or clips.</u></p> <p><input type="checkbox"/> <u>Provide disassembly and reuse information to owner.</u></p>
Reason:	Section 12.608 currently includes a single subsection encouraging the dematerialization of building components. The Design for Adaptation and Disassembly is similarly, an upstream strategy to improve resource efficiency and therefore, fits with the upstream, resource-efficiency focus of this section. The Design for Adaptation and Disassembly involves the utilization of recyclable/reusable building materials and preserves resources by maximizing their recovery and ensuring their continuous reutilization.
Parallel Proposal Staff Note:	<i>A parallel proposal was submitted by the same proponent for the corresponding section in Chapter 6 – Proposal LogID 6302. The parallel proposal is being reviewed by TG-3. TG-7 should review the recommendation of TG-3 to determine if any additional changes are necessary for application to remodeling, otherwise the recommendations of TG-3 on the parallel proposal will be adopted and automatically applied to the corresponding remodeling section.</i>
TG Recommendation (AS or AM or D):	
Modification of Proposed Change:	
TG Reason:	
TG Vote:	

Proposal ID TBD	LogID 6373	Other for Chapter 12 (include section number and title below)
Submitter:	Jeremy Velasquez, TexEnergy Solutions	
Requested Action:	Add new as follows	
Proposed Change:	Section 12.7 - <u>Add a new section as relevant for Health & Well-being credits</u>	
Reason:	As sustainability protocols evolve, the natural progression is to include measures that have a positive benefit on occupant health and well-being.	
TG Recommendation (AS or AM or D):		
Modification of Proposed Change:		
TG Reason:		
TG Vote:		