



**Home Innovation**  
NGBS GREEN CERTIFIED™

NGBS GREEN  
CERTIFIED PRODUCTS

APRIL 2023

OVERVIEW &  
APPLICATION RESOURCES



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## OVERVIEW

**The NGBS Green product certification is designed to help the building design team, including architects, builders, and contractors, more easily find and select products that earn them points toward NGBS Green Certification for their homes and multifamily projects.**

The ICC 700 *National Green Building Standard*<sup>®</sup> (NGBS) is the only residential-specific green building rating system approved by ANSI, the American National Standards Institute, as an American National Standard. The NGBS provides practices for the design, construction, and certification of new and renovated single-family homes, multifamily buildings, and mixed-use buildings.

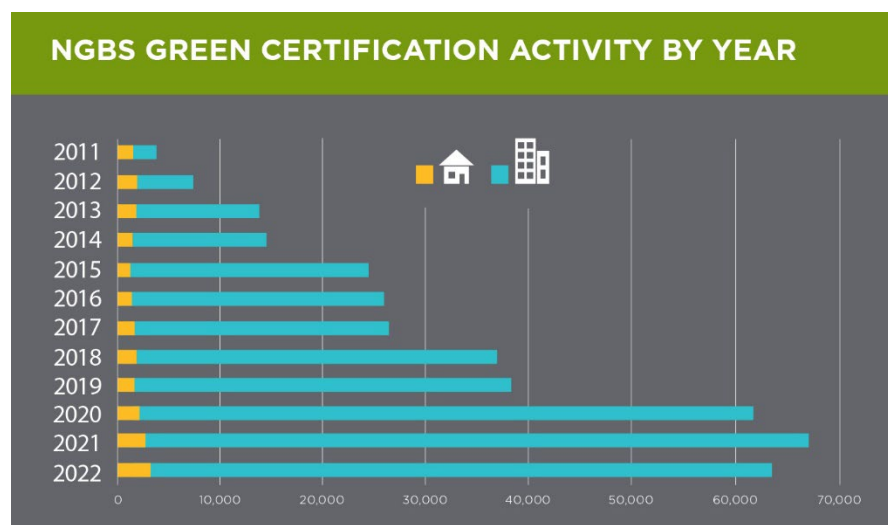
Under the NGBS, green building practices are assigned point values. A home or multifamily building can attain one of four performance levels — Bronze, Silver, Gold, or Emerald. For a building to attain any certification level, all the applicable mandatory provisions must be correctly implemented. In addition to the mandatory provisions, the NGBS requires homes to include sufficient green building practices in each of the six categories of green building practices to meet the category and overall point minimums for each green certification level.

As an ANSI-approved green building rating system that is part of the ICC suite of I-codes, the NGBS provides builders and consumers with a credible definition of green building. Since it provides a flexible, expansive, point-based system for certification, it also offers architects, builders, and developers an affordable process to build green homes that meets their goals; is appropriate for all climates; and meets the needs of their particular market and homebuyers or renters.

Home Innovation Research Labs certifies buildings and confers the NGBS Green certification mark when buildings are compliant with the NGBS's rigorous requirements. Our certification relies on accredited NGBS Green Verifiers to visually inspect buildings and verify compliance. This stringent, third-party verified certification program ensures homes and apartments are built in compliance with the NGBS and focuses on the primary attributes that are highly marketable to today's discerning consumers. To learn more about the certification program, visit [HomeInnovation.com/Green](https://HomeInnovation.com/Green).

## NGBS Green Market Activity & Clients

### Program Activity & Market Penetration



Since 2009, Home Innovation has certified homes, multifamily buildings, and renovation projects to the NGBS. The program has experienced notable year-over-year growth and has become the leading certification program for residential construction.

As of April 2023, over 420,000 homes and apartments have been certified, and over 8,000 single-family homes and 390,000 apartments were in-process for certification. For more information on NGBS Green certification activity, visit [HomeInnovation.com/NGBSGreenStats](https://HomeInnovation.com/NGBSGreenStats).



### Single-Family Builders

A “typical” single-family builder seeking NGBS Green certification wants to set his/her business apart from national production builders. These builders tend to be custom, small-volume, or regional production builders. Home Innovation’s single-family activity extends across all densities (e.g., urban, suburban, and ex-urban), and price points.



### Multifamily Developers

The largest and most rapidly growing segment of the NGBS Green certification program is multifamily projects, both new construction and renovation. Home Innovation works with all segments of the multifamily sector, including market-rate, affordable, and low-income. An increasing percentage of multifamily certifications are specialty communities, including student housing, senior, assisted living, and memory care.

Key drivers for multifamily certification activity include:

- Recommendations from institutional equity investors
- Preferred financings from Fannie Mae and Freddie Mac
- HUD Mortgage Insurance Premium Reduction
- State Low-Income Housing Tax Credits (see [HomeInnovation.com/NGBSIncentives](https://HomeInnovation.com/NGBSIncentives) for all current QAP and other incentive inclusions for NGBS)

## NGBS Green+

Homes and buildings that go “above and beyond” in certain areas of green practices may be eligible to earn NGBS Green+ certification. NGBS Green+ certifications provide a streamlined, supplementary, third-party recognition for NGBS Green Certified homes based on their exceptional performance in one (or more) of six categories of green practices. To learn more, visit [www.HomeInnovation.com/NGBSGreenPlus](http://www.HomeInnovation.com/NGBSGreenPlus).

- Net Zero Energy
- Resilience
- Smart Home
- Universal Design
- Wellness
- Zero Water



Certified products that contribute toward one or more badges are identified with additional logos on their online listings and product certificates. Manufacturers can benefit from highlighting these green categories that are recognizable and valued by consumers.

## Overview of NGBS Green Certified Products

Home Innovation’s NGBS Green Certified Product program bridges the gap between manufacturers who produce green products and the architects, builders, and designers who want to use them in homes.

To earn the NGBS Green Certified mark for a product(s), manufacturers must provide sufficient and appropriate evidence that the product(s) meets the applicable NGBS-specified criteria in a given practice(s) for a building to garner points toward NGBS Green Home Certification.

NGBS Green Certified Products earn a certificate that identifies the specific NGBS practice(s) where points are available toward building certification for those who select that product. This information facilitates designers’ selection of products to be used in green buildings, and the approval of those points by Home Innovation-accredited green building verifiers (listed online at [HomeInnovation.com/FindNGBSVerifier](http://HomeInnovation.com/FindNGBSVerifier)).

View current NGBS Green Certified Products at [HomeInnovation.com/GreenProducts](http://HomeInnovation.com/GreenProducts).

## Certification Benefits

Manufacturers can enhance their brand value and drive product sales by associating with the leading national residential green building program. Product certification has the potential to drive increased sales due to the high visibility of NGBS Green Certified products and resources available to manufacturers to connect with green builders and architects specifying products for residential and mixed-use buildings.

Benefits of product certification include:

- Third-party product certification
- Use of NGBS Green program logos for product labeling and marketing materials

- Online product listings at [HomeInnovation.com/GreenProducts](https://www.HomeInnovation.com/GreenProducts)
- Products featured on Home Innovation’s company homepage
- Products featured in monthly NGBS Green *Insider Update* and *Verifier Update* newsletters; distributed to approximately 16,000+ builders, developers, architects, and verifiers involved with the green certification program
- Networking opportunities; connect your sales representatives with NGBS Green architects and verifiers located in the regions where they work to grow business
- IBS Promotion – Home Innovation regularly collaborates with the National Association of Home Builders (NAHB) to promote NGBS Green Certified product manufacturers at the International Builders’ Show (IBS) at no cost to manufacturers. Promotional offerings change each year but have included special designation/identification in the exhibitor book and on the show floor, and provided special speaking and networking opportunities with NGBS Green program partners.
- Quarterly newsletters and semi-annual webinars with NGBS Green program updates, including incentives and code/policy recognition; product and building spotlight; green building resources; and relevant industry events.

#### Getting the Most from Your NGBS Green Certification

Manufacturers receive the best return when they actively promote their product certification(s). Manufacturers are equipped with product certificates, logos, and ready-made marketing materials to highlight their involvement with NGBS Green and the NGBS point-worthy green features of their products. Some ideas for promoting NGBS Green certified products include:

- Put NGBS Green Certified and/or NGBS Green+ logos on product specifications, marketing materials, and product packaging.
- Link to Home Innovation’s NGBS Green Certified listings from your product webpages.
- Link NGBS Green product certificates from your product webpages to show third-party certification to prospective clients.
- Utilize ready-made NGBS Green marketing materials at trade shows and other events.
- Promote NGBS Green on social media by including @NGBSGreen and @HomeResearchLabs.
- Include NGBS Green certification information when meeting with architectural firms that design multifamily or mixed-use projects.



## Green Certification and ESG

Green product certification can validate a manufacturer's contribution toward environmental, social, and governance (ESG) commitments. Manufacturers can bolster their brand by highlighting green product certifications in communication with investors and customers and annual reporting. Learn more about ESG [here](#).

The GRESB (formerly known as the “Global Real Estate Sustainability Benchmark”) Real Estate Assessment is the most relevant ESG framework for the commercial and multifamily real estate sectors. Each spring, commercial developers and owners complete an annual survey to measure and benchmark the ESG performance of their buildings, properties, and portfolios.

To aid manufacturers in communicating about the green building and ESG, we published a crosswalk report that shows the alignment between the NGBS and GRESB framework. The report includes a list of NGBS Green Certified products that, when used, may fulfill one or more GRESB indicators.



## PROCESS

### Initial Certification

The following steps outline the typical process that new manufacturer clients follow to obtain NGBS Green product certification.

1. Manufacturer contacts Home Innovation team to schedule an introductory call. Manufacturers are encouraged to invite both technical and marketing colleagues to this discussion. On this call, the Home Innovation Program Manager will provide a broad overview of the NGBS Green program and outline the steps for product certification. Manufacturers are invited to introduce their company and product offerings.
2. Following the call, the Home Innovation Program Manager will follow-up with suggestions of NGBS practices that may align with the products discussed on the call.
3. Manufacturer will complete the provided application packet and submit relevant document and fees to Home Innovation (contact information included on page 1 of [Appendix A](#)). Items include:
  - a. Manufacturer contact information form
  - b. Signed agreement
  - c. Proof of insurance
  - d. Product application form(s)
  - e. Third-party documentation, if needed
  - f. Relevant product technical and marketing literature
  - g. Application fee (\$300)

4. Home Innovation Program Manager will review and process application materials. If the product application is complete and sufficient, Home Innovation will respond with certification/listing invoice, draft product certificate(s) for review, and instructions for providing photos and other webpage listing information within two weeks. If the product application is unacceptable/insufficient for certification, the Home Innovation Program Manager will follow-up with the Manufacturer to identify where products fail to meet identified NGBS practices and/or obtain additional information necessary.
5. Manufacturer submits certification/listing fee, feedback on draft certificates (if any), and requested photos/weblinks.
6. Home Innovation delivers product certificates and logos and hosts call with the Manufacturer's marketing team to discuss proper use of program logos and marketing resources.
7. Products are listed online for 12 months.

### Annual Renewal

Each year, manufacturers must: (1) notify Home Innovation of any changes to the product that would impact eligibility for NGBS Green certification; and (2) pay certification/listing fee.

1. After 12 months of certification/listing, Home Innovation delivers renewal notice to the Manufacturer.
2. Manufacturer submits signed renewal notice, payment, and current insurance certificate within 30 days.
3. Home Innovation updates online product listings based on changes indicated by the Manufacturer, if necessary. Home Innovation prepares and delivers new product certificates to the Manufacturer.
4. Products are listed online for 12 months.

### Agreement Renewal

All participating manufacturers must commit to the "NGBS Green Certified Product Agreement," (see the example included in [Appendix A](#)) which outlines terms of program participation. The agreement must be renewed every six years, with renewal occurring at the time of annual product listing renewal.

### Adding Additional Products or Practices

Manufacturers can add new products or NGBS practices at any time.

1. Manufacturer completes the Product Application Form (see the example included in [Appendix A](#)) for any new products or practices being sought. Product literature and third-party documentation is required, but no additional application fee is required.
2. Home Innovation reviews and processes application materials and issues certification, as appropriate.
3. Certification/listing fee is requested. If new products or practices are added outside of the annual renewal, the certification/listing fees will be pro-rated to reflect when the process was completed. After that, annual renewal will occur at the same time as Manufacturer's other certified products.

## APPLYING FOR CERTIFICATION

### National Green Building Standard® (NGBS)

Home Innovation's NGBS Green Certified Product recognition is available for products that enable builders to earn points toward a building's certification to the ICC 700 *National Green Building Standard*® (NGBS). Download the 2020 NGBS from [BuilderBooks.com](http://BuilderBooks.com) or find a link on Home Innovation's website.

The NGBS was first approved by ANSI in 2008, and subsequent versions were released in 2012, 2015, and 2020.

Manufacturers are eligible to seek certification for products under the versions of the NGBS that are currently available for home and building certification. Currently, Home Innovation is certifying homes and buildings to the 2015 (though no new registrations being accepted for this version) and 2020 NGBS versions.

A list of 2020 NGBS new construction practices with a clear qualifying product is included in [Appendix B](#). Additional certification opportunities may be available for atypical or emerging product innovations; please contact Home Innovation staff if you feel that there is an opportunity to qualify under another practice that is not identified in this document.

### Aligning with New NGBS Versions

On a regular cycle (typically, ever three years), a new version of NGBS is developed through an ANSI standard development process. To learn more, visit [HomeInnovation.com/NGBS](http://HomeInnovation.com/NGBS).

When a new NGBS version is released, Home Innovation will immediately begin offering certification to the new version. Home Innovation will continue certifying to the prior version for a period of time to allow the market to adjust.

It is not uncommon for a product to be certified to similar NGBS practices across 1-3 NGBS versions (e.g., 2012, 2015, and 2020). If the practices achieve a similar intent in all NGBS versions, the group of practices is considered one practice for billing purposes.

After the publication of a new standard, Home Innovation will review product listings and assign appropriate practices from the new standard. This is typically done at the same time as the annual renewal process. Manufacturers may be contacted for additional information at this time.

### Product Eligibility

Products must specifically contribute to compliance with at least one green practice within the NGBS. While certification is not a general qualification that a product is "green," Home Innovation Research Labs maintains the right to deny certification and use of the NGBS Green Certified mark to any product that it determines does not conform to general green building principles.

When applying for certification, it should be clear that products are designed and marketed for the residential construction sector and/or are applicable in the commercial spaces of residential mixed-use buildings.

Certification is not available for practices where the main focus is on how a product is installed, rather than the benefits afforded by the product itself. An example of this is 2015 NGBS 701.4.3.2.1, which

awards points based on insulation installation. The focus of the practice is on how the insulation is installed. As any type of insulation can be installed at a Grade I, the type of insulation selected makes no difference. Certification or any product is unavailable under that practice.

There are multiple pathways for building certification under the NGBS: new construction (SF and MF); commercial spaces; remodeling; and land development. In some categories, there are very similar practices under multiple pathways and products may be certified under any of the pathways. We recommend that manufacturers apply for new construction practices, and our team will identify any similar practices under the other pathways.

### HOME INNOVATION NEEDS TO BE “ADDITIONAL INSURED”

An “Additional Insured” is a party listed on an insurance policy that has some type of liability interest in a given product(s) and its manufacturing. The “Additional Insured” has no right or authority to make policy changes or to cancel the policy. An “Additional Insured” is ONLY afforded liability protection under the liability portion of the policy, and there is no coverage for physical losses resulting from vandalism, theft, fire, wind, hail, and so on. We do not ask to be included as an “*additional named insured*” – sometimes there is confusion between the two.

If there is litigation involving the manufacturer and the “Additional Insured” is named in the suit for any reason, the policy provides liability protection for legal and defense costs for the “Additional Insured” and the insurance company issuing the coverage would have a “duty to defend” any and all “Additional Insured parties” listed in the policy. The most common example of this involves commercial policies, such as general liability. Home Innovation is listed as an “Additional Insured” on a manufacturer’s insurance so that in the event of a liability claim regarding a product’s attributes or performance, related to environmental claims or otherwise, where Home Innovation is also listed in the claim, Home Innovation would receive coverage for legal and defense costs from the manufacturer’s policy.

Insurance companies routinely provide this coverage. Also, if your General Liability policy provides additional insured status when it is required in a written contract or agreement, such as the agreement you sign with Home Innovation, then a COI with said provision displayed would satisfy the requirements and should be submitted.

### “Product Group” Definition

Manufacturers can group multiple products that provide the same benefits and qualify for the same NGBS practices as a “product group” for the ease of certification. A product group is evaluated for certification and billed as a single item. For example, if a manufacturer has multiple toilet models with the same flush volume, all toilets could be certified as a single product group under 2015 NGBS 801.5. For a typical listing, a product group appears on a single webpage in a single listing. However, manufacturers can select to break the product group into individual online product listings to capitalize on enhanced online exposure and related search engine optimization for an additional \$200 per webpage. See the *Fee Schedule* included in [Appendix A](#) for additional information.

### Completing the Application Form

Complete one Product Application Form for each product or product group.

In the column labeled “*NGBS Practice #*,” list each specific green practice for which your product contributes points toward NGBS Green certification (e.g., 604.1 [Recycled Content]).

Apply only for specific practices with mandatory requirements and/or points. Certification is not available for broad category sections. For example, a manufacturer may apply for 604.1(1) Recycled Content, as that section has specific requirements and points available. You could not, on the other hand, apply for 604 Recycled Content, as it is not specific.

For each NGBS practice, note the expected number of points for the product, the third-party reference (if applicable), an explanation of product applicability, and a description to appear on the web listing.

- **Points Expected:** list the number of potential points that your product contributes toward certification. If two items are required to get the points, show the total possible points for that practice; do not divide the points in half.
- **Third-Party Reference:** show the title of the third-party report (or similar documentation) and the name of the third party that supports the product’s compliance with the green practice. Additional guidance about third-party references is included below.
- **Explanation of Product Applicability:** add any information that will help Home Innovation Research Labs understand why the product is entitled to the points claimed for this practice.
- **Manufacturer’s Product Description:** provide text that describes the product features as they relate to the applicable NGBS practice – this will be the description for the product’s online listing. This is also your opportunity to communicate other benefits of using your product. This description is limited to 250 characters (including spaces and punctuation).

## Product Literature

Be sure to submit all product technical and marketing literature that is relevant to your product’s application.

## Acceptable Third-Party References

If it is obvious that the product meets the criteria, no documentation beyond the product literature is needed. For example, it may be clear from the product literature and design that a rain barrel is designed to collect rain or that a wood product is bio-based; however, it would not be obvious that wool carpet is bio-based, and Home Innovation would need documentation that the carpet was actually made of wool.

When additional documents are required to assess product eligibility, the documents must come from a credible and independent third-party. Home Innovation must receive this documentation before processing your application. If the information is publicly available on a website, simply provide the URL. If this information is not publicly available, request that the third-party forward a copy of the documentation directly to Home Innovation, using the contact information included in this document. If a test report is needed to support the claimed practice (e.g., low VOC), the testing should be done by an ISO 17025 accredited lab. If an assessment or evaluation is needed (e.g., recycled content), a consultant or organization professionally engaged in providing those assessment/evaluation services is acceptable, but the report should also include appropriate credentials. Product descriptions and groupings must match the information from the third party. Customer reviews and similar attestations do not qualify as acceptable third-party documentation.

## IDENTIFYING NGBS PRACTICES FOR YOUR PRODUCTS

### Appliances

A variety of appliance types are eligible for NGBS Green Certification, including:

- Refrigerators
- Dishwashers
- Washing machines
- Induction cooktops
- Central vacuum systems

The Energy Efficiency and Water Efficiency practice areas of the NGBS award points for ENERGY STAR-certified appliances.

Various products with remote sensing and control are eligible for points under the “Smart Appliances & Systems” practice within the Energy Efficiency practice area.

When installed in commercial spaces of mixed-used buildings, efficient residential and commercial clothes washers can contribute toward mandatory water efficiency and conservation requirements.

#### Documentation Required:

Depending on the selected practice(s) to be pursued, the following documentation may be required for submission with the NGBS Green Certification application:

- Manufacturer’s literature
- Evidence of ENERGY STAR certification

#### Residential NGBS Practices:

2015 & 2020 NGBS Practices <i>(Unless specified, practice numbers are the same across both versions)</i>	
Practice	Description
703.6	Appliances
705.3	Induction cooktop
706.3	Smart appliances and systems
802.2	Water-conserving appliances
902.5	Central vacuum systems

#### Commercial NGBS Practices:

2020 NGBS Practices	
Practice	Description
13.106.3	Water Efficiency & Conservation (provisions for residential and commercial clothes washers)

## Building Materials

Various types of building products and materials are eligible for certification under multiple NGBS practice areas, including the following. (See full list of 2020 NGBS product-specific practices for additional details.)

- Downspout systems
- Hardscaping materials
- Capillary break and vapor retarder products
- Flashing products
- Termite-resistant products
- Water-resistive barriers
- Rainscreens
- Cladding products
- Wood and wood-based products
- Radiant barrier products
- Mass wall and floor products
- Structural and hardwood plywood
- Particleboard and MDF
- Sound barrier products
- Flooring
- Carpeting
- Roof and floor trusses
- Railing & deck material

Modular, panelized, and manufactured homes are also eligible for certification under the Resource Efficiency practice area.

The Commercial Spaces certification path includes many of the same requirements as the residential practices. When installed in commercial portions of mixed-use buildings, building materials may contribute toward various Resource Efficiency and Indoor Air Quality requirements.



### Documentation Required:

Depending on the selected practice(s) to be pursued, the following documentation may be required for submission with the NGBS Green Certification application:

- Manufacturer's literature
- Third-party evidence of compliance with referenced standard or certification
- Third-party laboratory results that demonstrate stated product properties or performance (specific to practice pursued)

### Residential NGBS Practices:

There are numerous practice areas where building products and materials are eligible. The most common practices for product certification are included below; see the full list of product eligibility for more details (see [Appendix B](#)).

<b>2015 &amp; 2020 NGBS Practices</b> <i>(Unless specified, practice numbers are the same across both versions)</i>	
<b>Practice</b>	<b>Description</b>
601.5	Prefabricated components
602.1.1	Capillary breaks
602.1.6	Termite-resistant materials
602.1.8	Water-resistive barrier
602.1.9	Flashing
604.1	Recycled content
606.1	Biobased materials
606.2	Wood-based products
608.1	Resource-efficient materials
701.4.3.1	Building thermal envelope air sealing
901.4	Wood materials

#### **Commercial NGBS Practices:**

<b>2020 NGBS Practices</b>	
<b>Practice</b>	<b>Description</b>
13.104.1	Resource efficiency
13.104.3.1	Material selection
13.107.3	Product emissions

## **Energy & Water Management**

Products that enable residents to understand and better control their water and energy usage are eligible for certification under the Energy Efficiency, Water Efficiency, and Homeowner Education & Maintenance practice areas of the NGBS. The following products are eligible:

- Automatic water leak detection and control devices
- Energy monitoring and management systems
- Grid-interactive battery storage systems
- Grid-interactive space heating and cooling systems
- Programmable thermostats
- Utility benchmarking service or software products
- Submetering systems
- Water usage meters

When installed in commercial portions of mixed-use buildings, tenant-level energy metering products can contribute toward mandatory Energy Efficiency requirements of the NGBS.

#### **Documentation Required:**

Depending on the selected practice(s) to be pursued, the following documentation may be required for submission with the NGBS Green Certification application:

- Manufacturer’s literature



### Residential NGBS Practices:

2015 & 2020 NGBS Practices	
<i>(Unless specified, practice numbers are the same across both versions)</i>	
Practice	Description
705.7	Submetering systems
706.1	Energy consumption control
706.7	Grid-interactive electric thermal storage system
2020 Only: 706.11	Grid-interactive battery storage system
2020 Only: 706.14	Third-party utility benchmarking services
802.3	Water usage monitoring
2020 Only: 803.3	Automatic leak detection and control devices
1004.1	Verification system

### Commercial NGBS Practices:

2020 NGBS Practices	
Practice	Description
13.105.4	Energy metering

## HVAC

Various HVAC products are eligible for certification under the Energy Efficiency and Indoor Environmental Quality practice areas of the NGBS due to their efficiency and low-emission properties, including:

- Exhaust and supply fans
- Fireplaces
- Heat and cooling systems
- Heat pumps
- Humidifiers & Dehumidifier systems
- Oil & gas boilers and furnaces
- Space heating and water heating systems
- Ventilation systems

When installed in commercial portions of mixed-use buildings, HVAC products may contribute toward mandatory Energy Efficiency and Indoor Environmental Quality requirements.

### Documentation Required:

Depending on the selected practice(s) to be pursued, the following documentation may be required for submission with the NGBS Green Certification application:

- Manufacturer's literature
- Third-party documentation showing efficiency
- Third-party documentation showing GWP of refrigerants
- Third-party documentation showing compliance with applicable referenced standards, such as:
  - NFPA 54, ICC IFGC or applicable
  - CSA Z21.88/CSA 2.33 or CSA Z21.50b/CSA 2.22b
  - UL 127 and are EPA Phase 2 Emission Level Qualified Model
  - UL 1482 and emission requirements of EPA certification and the State of Washington WAC 173-433-100(3)
  - ASTM E1509 or are EPA certified
  - ASTM E1602 and ICC IBC Section 2112.1
  - ASHRAE 62.1

### Residential NGBS Practices:

2015 & 2020 NGBS Practices (Unless specified, practice numbers are the same across both versions)	
Practice	Description
2020 Only: 701.1.6(3)	Alternative Gold level compliance for Tropical Zones
703.3	HVAC equipment efficiency
706.1	Energy consumption control
2020 Only: 706.12	Smart ventilation
2020 Only: 706.13	Alternative refrigerant
2015: 802.5 2020: 803.5	Recirculating humidifier
901.2	Solid fuel-burning appliances
902.1	Spot ventilation
902.2	Building ventilation systems
903.3	Relative humidity
2020 Only: 905.6	Evaporative coil mold prevention

### Commercial NGBS Practices:

2020 NGBS Practices	
Practice	Description
13.105.5	Efficiency of HVAC equipment
13.106.6	Heat exchangers
13.107.4	Fireplaces and appliances
13.107.7	Spot ventilation
13.107.8	Building ventilation systems

## Insulation

Various types of insulation and radiant barrier products are eligible for certification based on their thermal performance under the Energy Efficiency practice area of the NGBS.

Low-emission insulation products are also eligible for certification under the Resource Efficiency and Indoor Environmental Quality practice areas.

When installed in commercial portions of mixed-use buildings, low-emission insulation products may contribute toward mandatory Indoor Air Quality requirements.

### Documentation Required:

Depending on the selected practice(s) to be pursued, the following documentation may be required for submission with the NGBS Green Certification application:

- Manufacturer's literature
- Third-party documentation showing product R-value
- Evidence of ISO 17065 certification of compliance with CDPH/EHLB Standard Method v1.1



### Residential NGBS Practices:

2015 & 2020 NGBS Practices <i>(Unless specified, practice numbers are the same across both versions)</i>	
Practice	Description
2015: 611.2 2020: 612.2.(3)	Sustainable products
2020: 701.1.6(6-7)	Alternative gold level compliance for tropical zones
701.4.5	Boiler piping
703.3.8	Whole dwelling unit fan
705.6.3	Insulating hot water pipes
901.11	Insulation

### Commercial NGBS Practices:

2020 NGBS Practices	
Practice	Description
13.107.3	Indoor air quality

## Irrigation & Landscaping

Water-efficient irrigation systems are eligible for certification under the Site Design & Development and Water Efficiency practice areas of the NGBS. There are practices specific to the irrigation system type and spray body technology.

Landscaping materials are eligible for certification under multiple NGBS practice areas. The types of products that are eligible for certification include:

- Permeable construction materials
- Water efficient grasses
- Recycled content asphalt and concrete products
- Organic soil amendments
- Vegetation and trellises designed for shade or vegetation growth

### Documentation Required:

Depending on the selected practice(s) to be pursued, the following documentation may be required for submission with the NGBS Green Certification application:

- Manufacturer's literature
- Evidence of Turfgrass Water Conservation Alliance (TCWA) or equivalent water efficient grass recognition
- Evidence of testing and compliance with ASABE/ICC 802 Landscape Irrigation Sprinkler and Emitter Standard
- Third-party documentation showing percentage of recycled content
- Evidence of compliance with WaterSense performance criteria

**Residential NGBS Practices:**

<b>2015 &amp; 2020 NGBS Practices</b> <i>(Unless specified, practice numbers are the same across both versions)</i>	
<b>Practice</b>	<b>Description</b>
403.5	Stormwater management
403.6	Landscape plan
403.10	Existing and recycled materials
404.3	Soil disturbance and erosion
503.3	Soil disturbance and erosion
503.4	Stormwater management
503.5	Landscape plan
504.3	Soil disturbance and erosion implementation
505.2	Heat island mitigation
703.7.3	Passive cooling design
2015: 801.6 2020: 802.6	Irrigation systems

**Siding**

Siding products may be eligible for certification in the Resource Efficiency section of the NGBS for the following attributes:

- Prefinished
- Termite-resistant
- Recycled-content materials

**Documentation Required:**

Depending on the selected practice(s) to be pursued, the following documentation may be required for submission with the NGBS Green Certification application:

- Manufacturer’s literature
- Third-party documentation showing termite resistance
- Third-party documentation showing percentage of recycled content



**Residential NGBS Practices:**

<b>2015 &amp; 2020 NGBS Practices</b> <i>(Unless specified, practice numbers are the same across both versions)</i>	
<b>Practice</b>	<b>Description</b>
601.7	Prefinished materials
602.1.6	Termite-resistant materials
604.1	Recycled-content materials

## Sustainable Materials

The NGBS includes a variety of practices that recognize products that are:

- Third-party certified as low-emitting products
- More sustainable due to their manufacturing and/or manufacturer’s environmental responsibility
- More transparent, due to Environmental Product Declarations (EPDs)
- Shown to have lower environmental impact when compared against a comparable product using a Life Cycle Assessment (LCA) analysis

These practices are available for both residential and commercial products.

### Documentation Required:

Depending on the selected practice(s) to be pursued, the following documentation may be required for submission with the NGBS Green Certification application:

- Manufacturer’s literature
- Evidence of third-party certification to a 17065 program
- Evidence that materials were manufactured using energy derived from renewable sources, combustible waste sources, or renewable energy credits
- LCA showing product as having lower environmental impact when compared against a comparable product

### Residential NGBS Practices:

<b>2015 &amp; 2020 NGBS Practices</b> <i>(Unless specified, practice numbers are the same across both versions)</i>	
<b>Practice</b>	<b>Description</b>
606.3	Manufacturing energy
610	Life cycle assessment
611	Product declarations
2015: 611.1 2020: 612.1	Manufacturer’s environmental management system concepts
901.5	Cabinets
901.6	Carpets
901.7	Hard-surface flooring
901.8	Wall coverings
901.9	Architectural Coatings
901.10	Adhesives and sealants
901.11	Insulation
2020 Only: 901.12	Furniture and furnishings

### Commercial NGBS Practices:

<b>2020 NGBS Practices</b>	
<b>Practice</b>	<b>Description</b>
13.104.3.1	Material selection

## Windows/Doors

There are NGBS practices specific to windows, doors, skylights, and TDDs.

Under the Energy Efficiency practice area, window and door products can contribute toward buildings meeting air leakage and UA requirements.

Under the Resource Efficiency practice area, window and door products may also be eligible for certification if they are prefinished, contain recycled content, or are made of biobased products (e.g., certified solid wood, engineered wood).

When installed in commercial portions of mixed-use buildings, well-sealed and gasketed doors may contribute toward mandatory Indoor Air Quality requirements.



### Documentation Required:

Depending on the selected practice(s) to be pursued, the following documentation may be required for submission with the NGBS Green Certification application:

- Manufacturer’s literature
- Third-party documentation showing percentage of recycled content
- Third-party documentation showing percentage of biobased content
- NFRC certificate or similar showing UA and SHGC values

### Residential NGBS Practices:

2015 & 2020 NGBS Practices <i>(Unless specified, practice numbers are the same across both versions)</i>	
Practice	Description
601.7	Prefinished materials
604.1	Recycled content building materials
606.1	Biobased products
606.2	Wood-based products
701.4.3.4	Fenestration air leakage
703.2.1	UA Improvement
703.2.5.1	Fenestration
703.2.5.2	Enhanced Fenestration (aka dynamic glazing)
705.2.2	TDD or skylights

### Commercial NGBS Practices:

2020 NGBS Practices	
Practice	Description
13.107.6	Indoor Air Quality (practice focuses on seal and gasketing of doors)

APPENDIX A:  
NGBS GREEN CERTIFIED APPLICATION PACKAGE

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# NGBS GREEN CERTIFIED PRODUCT APPLICATION

Home Innovation NGBS Green Certified Product recognition is available for products that enable builders to earn points toward a building's certification to the ICC/ASHRAE 700 National Green Building Standard (NGBS). Products must specifically contribute to complying with at least one green practice of the NGBS. Products cannot be approved for NGBS practices that are installation based.

## SEND ALL REQUIRED DOCUMENTATION TO:

Cindy Wasser  
NGBS Green Certified Products  
Home Innovation Research Labs  
400 Prince George's Boulevard  
Upper Marlboro, MD 20774-8731  
P: 301.430.6206 | E: [cwasser@homeinnovation.com](mailto:cwasser@homeinnovation.com)

Once all documentation has been received and processed, you will be e-mailed your payment notice, a draft certificate, and instructions on providing photos, website links, and other information that will enhance your web listing.

## NGBS GREEN CERTIFIED PRODUCT IMAGE REQUIREMENTS

The NGBS Green Certified online product directory provides visual appeal to visitors in an effort to provide our participating manufacturers the best possible marketing vehicle. In order to ensure your NGBS Green Certified product(s) is displayed optimally in the [HomeInnovation.com/GreenProducts](http://HomeInnovation.com/GreenProducts) directory, please adhere to the following guidelines. We ask that you provide two different images for each product listed online—one that will be used as the general "Product Gallery" image; one that will be used on your "Product Detail" page. Please note that we are looking for different types of images for each of these and that different sizes apply to each for optimal display on those pages as noted below:

### ***Product Gallery Image Specs:***

- ***Content/Subject:*** From an aesthetic standpoint, images where the product is isolated on a white background is ideal, but we understand this may not always be possible.
- ***Dimensions:*** 138px wide x 151px tall
- ***Format:*** All images should be saved as a JPG at a resolution of 72dpi. Color format must be RGB (not CMYK).

### ***Product Detail Image Specs:***

- ***Content/Subject:*** This image should show the product in context within a home or residential setting; it does not have to be an isolated image like the Gallery image.
- ***Dimensions:*** 300px wide x 230px to 350px tall
- ***Format:*** All images should be saved as a JPG at a resolution of 72dpi. Color format must be RGB (not CMYK).



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**MANUFACTURER CONTACT INFORMATION FORM**

I. **Manufacturer Name** \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_  
Website \_\_\_\_\_

II. **Mailing Address – Regular Mail Delivery**  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

III. **Primary Contact Information**  
Name \_\_\_\_\_  
Phone \_\_\_\_\_ Email \_\_\_\_\_

IV. **Marketing Contact Information (if different than above)**  
Name \_\_\_\_\_  
Phone \_\_\_\_\_ Email \_\_\_\_\_

V. **Accounting Contact Information (if different than above)**  
Name \_\_\_\_\_  
Phone \_\_\_\_\_ Email \_\_\_\_\_

**SELECT A PAYMENT OPTION BELOW:** (see fee schedule for details)

Pricing options are mutually exclusive. Please select one.

**Top-Shelf Listing**  
\$10,000/year for up to 50 product listings in addition to benefits below. Please note that multi-year listing discounts do not apply to Top Shelf Listings.

**Annual Certification Pricing**

**Multi-Year Listing Contract**

- Year 1 - Annual pricing applies
- Year 2 - 25% discount off Year 1 pricing
- Year 3 - 50% discount off Year 1 pricing

Manufacturers who sign on for a three-year commitment will receive *a discount that is gradually applied throughout the period*. After Year Three, the fee cycle starts again with the annual pricing, at that time you will be eligible to apply for and begin another multi-year listing contract.



## NGBS GREEN CERTIFIED PRODUCT AGREEMENT

This Agreement ("Agreement") is made and entered into by and between Home Innovation Research Labs, Inc. ("the Company"), a Maryland corporation with an office at 400 Prince George's Boulevard, Upper Marlboro, MD 20774, and

\_\_\_\_\_ ("Manufacturer") having its principal place of business at:

\_\_\_\_\_  
\_\_\_\_\_

regarding Manufacturer's participation in the Home Innovation NGBS Green Certified Product Program ("Program").

Manufacturer produces various products for residential construction applications and Manufacturer anticipates seeking recognition of the "points" that such products may contribute toward a building achieving certification by the Company in accordance with the *National Green Building Standard™* ("NGBS"). Manufacturer is familiar with the NGBS and the Green Scoring Tools at [www.HomeInnovation.com/GreenScoring](http://www.HomeInnovation.com/GreenScoring).

In consideration of the agreements hereinafter contained and other good and valuable consideration to each of the parties by the other in hand paid, the receipt of which is hereby acknowledged, the parties agree as follows:

1. Manufacturer agrees to make application to the Company for each product (or product group or product family) that Manufacturer desires to have recognized as "NGBS Green Certified." The application will be made on forms acceptable to the Company.
2. Manufacturer will identify in the application all practices contained within the NGBS that Manufacturer believes the products incorporate or will enable the project to earn "points" toward certification. Manufacturer agrees to seek recognition of points only when the use of the product will satisfy or significantly contribute to satisfying the practice(s) in the NGBS.
3. Manufacturer agrees that the Company will ordinarily recognize "points" only for practices that are supported by independent third-party analysis, test report, or other appropriate documentation regarding the product's features and benefits. Manufacturer agrees that when test reports are used, those test reports shall come from laboratories accredited by IAS, NVLAP, A2LA or equivalent and the specific test method is included in the scope of the accreditation. Test reports from laboratories not meeting the above criteria may be accepted at the Company's sole discretion. If the Company determines that a test report is not appropriate documentation, other independent

third-party evidence may be accepted at the Company's sole discretion. Manufacturer shall provide the Company a release such that the Company may contact the third party providing such documentation to verify the documentation. The release shall authorize the third party to provide such confirmation to the Company.

4. Manufacturer agrees that Manufacturer is responsible for selecting the appropriate third-party organization to document compliance with the claimed practices and that Manufacturer is responsible for any cost associated with such analysis, test report, or documentation.
5. Manufacturer may request the Company to conduct a test or evaluation of the product in lieu of third-party testing. The Company shall not be obligated to conduct such test or analysis but may agree to do so at its sole discretion. Any such testing or analysis done by the Company will be done per a separate agreement with Manufacturer and Manufacturer shall pay for such services at an agreed upon price. The Company, at its sole discretion, may recognize obvious compliance of the product without the need for formal testing or other documentation (e.g., wood based products).
6. Manufacturer agrees that any products submitted for recognition will be manufactured under formal quality control with controls in place to ensure that all production of the recognized product(s) will meet the appropriate criteria for which "point" recognition is sought. Manufacturer agrees to submit to the Company upon request its quality control system or other evidence to demonstrate the capability to reliably produce compliant product.
7. Manufacturer agrees that "points" for practices will only be recognized after review and approval by the Company of Manufacturer's application and supporting documentation and the determination in the Company's sole discretion that the "points" are appropriate.
8. Manufacturer acknowledges that, even if its product(s) are recognized by the Company as "NGBS Green Certified," there are frequently other criteria and conditions that must be met in order for the building to earn "points" as a result of the product. These criteria include but are not limited to the amount of the product used in the building and use of the product in conjunction with other materials. These criteria are described in the NGBS and the Green Scoring Tools. Manufacturer acknowledges that recognition by the Company as NGBS Green Certified does not guarantee that points are automatically assigned to any building incorporating that product. Manufacturer recognizes that all products are not eligible to be recognized as "NGBS Green

Certified” and that the Company, in its sole discretion, determines the eligibility criteria.

9. Manufacturer will maintain any supporting documentation related to the features and benefits of the product relating to the “points” claimed for each product for a period of at least three (3) years.

10. Manufacturer agrees that recognition by the Company is done on an annual basis. Renewal is made automatically every year for two years after the initial certification provided Manufacturer certifies that the process to produce the product, the raw materials, and product itself have not changed in any way to affect the points as recognized. If there has been a change in the process, materials, or product, the Company may require submission of additional third-party documentation that the recognized points are still valid. Manufacturer agrees that recognition beyond the second renewal may require submission of new current third-party evidence of compliance for the recognized points. Manufacturer agrees to promptly notify the Company of any change in process, materials, or design that might impact the points as recognized.

11. Manufacturer agrees to pay a non-refundable initial application fee for participation in the Program. Manufacturer agrees to pay the then current annual Program fee for each type of product for which recognition is sought. The Company agrees to give Manufacturer sixty (60) days notice of any change in fees.

12. The Company agrees to promptly review Manufacturer’s application and supporting documentation and make a determination of points, if any, that will be recognized. If the Company determines in its sole discretion that all the requested points should be recognized based on the submitted documentation, the Company will issue to Manufacturer an NGBS Green Certified product certificate for the product[s]. If the Company determines in its sole discretion that some of the requested points are not appropriate, the Company will notify the Manufacturer with an explanation and provide thirty (30) days for a response from the Manufacturer. After the response has been received and considered by the Company, or the thirty (30) days has elapsed, the Company will issue the NGBS Green Certified product certificate with the “points” as approved by the Company. The Company may also determine, in its sole discretion, that none of the requested points will be recognized. In that event, the Company will provide an explanation to the Manufacturer and will consider any response submitted by the Manufacturer.

13. The Company will provide a link from the relevant Green Scoring Tools to an online listing of products that have been NGBS Green Certified for each practice in the NGBS. The link will lead users of the Green Scoring Tools to a listing of all the practices and “points” for which the Manufacturer’s product has been NGBS Green Certified. The Company may from time to time change the format of the links and/or display elements within the NGBS Green Certified web pages at the Company’s discretion. The

Company reserves the right of editorial control over the content of the NGBS Green Certified web pages. Images of the NGBS Green Certified product will be displayed as part of the online product listing when such images are provided by the Manufacturer according to the Company’s image specifications noted on the application. Links to the Manufacturer’s website and to the relevant spec sheet for the Manufacturer’s NGBS Green Certified product will also be provided as part of the online product listing when such URLs are provided with the application.

14. The Company shall instruct Verifiers to accept the NGBS Green Certified product certificate or website listing as verification that the points are available. The Company shall instruct Verifiers to award points toward certification of the building for NGBS Green Certified product(s) provided the product(s) are used according to any additional criteria included in the NGBS or in the Green Scoring Tools, as will be noted on the NGBS Green Certified product certificate or web listing.

15. Manufacturer shall not use or display any logos or marks of the Company or the Program apart from or beyond the NGBS Green Certified mark issued by the Company, except as expressly permitted by this Agreement or by another agreement with the Company.

(a) Manufacturer acknowledges and agrees that the Company has the sole and exclusive right and authority to license others to use the “Home Innovation NGBS Green Certified” mark, as set forth below (the “Mark”). Manufacturer further acknowledges and agrees that the Company may change the design, format, or text of the Mark at any time in its sole discretion.



(b) The Company hereby grants to Manufacturer, for the duration of this Agreement only and only while Manufacturer is in compliance with Manufacturer’s obligations under this Agreement, the non-exclusive right to use the Mark in connection with such products for which the Company has issued an NGBS Green Certified product certificate. No other right or license is granted by the Company to Manufacturer, either express or implied, with respect to any other trademark, trade name, service mark, or other intellectual property right owned, possessed, or licensed by or to the Company.

(c) The Mark shall only be used by product manufacturers who have had their product (or product group) certified by the Company to comply with one or

more specific point-worthy practice(s) within the NGBS, and shall only be used together with a statement in close proximity that identifies the features/practices of the product that have been approved as being eligible to contribute points toward a building under the NGBS. In addition, the Manufacturer may refer the reader to the NGBS Green Certified certificate or other source from which additional information may be obtained.

(d) Notwithstanding any other provisions in this Agreement, Manufacturer shall be solely responsible for assuring that its use of the Mark complies with all applicable governmental laws, rules, regulations, and guides, including but not limited to any applicable "Guides for the Use of Environmental Marketing Claims" of the Federal Trade Commission.

(e) All use of the Mark by Manufacturer shall inure to the sole and exclusive benefit of the Company. Manufacturer shall not contest the Company's rights in the Mark. This obligation shall survive any termination of this Agreement.

(f) Manufacturer shall not use the Mark in any way that is misleading or otherwise misrepresents the recognition of any product(s) pursuant to this Agreement. In particular, the Mark represents only that the product is eligible to contribute points toward a building under the NGBS, and Manufacturer agrees not to use the Mark in such a way to represent any broader claim. Manufacturer will not state or suggest, directly or indirectly, that the Company is guaranteeing, endorsing, recommending, warranting, or certifying code compliance of the product(s) that may be recognized pursuant to this Agreement or any completed building in which such products are installed. The Mark is not a representation, warranty, guarantee of performance, or certification of code compliance of any product or of any building in which the product(s) are installed.

(g) Manufacturer shall comply with any style manual or other guidelines that may be provided to Manufacturer by the Company concerning use of the Mark.

(h) Upon the expiration of this Agreement or any earlier termination thereof: (i) all rights granted to Manufacturer hereunder shall automatically revert to the Company; (ii) Manufacturer shall discontinue use of any advertising, marketing, promotional or other material bearing the Mark; and (iii) Manufacturer shall, in the Company's sole discretion, either deliver to the Company all patterns, proofs, and any other material which reproduce the Mark or give to the Company satisfactory proof of the destruction thereof.

16. Should any products subsequently be found not to meet the criteria for points that were approved under the Program, the NGBS Green Certified certificate may be revised or revoked as appropriate at the Company's sole discretion. If the NGBS Green Certified certificate is revoked, the license to use the Mark granted herein shall be suspended until such time as the Company, in its sole

discretion, is satisfied that Manufacturer's product(s) meet the criteria for the NGBS Green Certified certificate.

17. The Company, in its sole discretion, shall make the final determination regarding any dispute regarding approval of products under the Program or the points approved or not approved on the NGBS Green Certified certificate.

18. The Company shall incur no liability with respect to nonperformance or delay in performing any act required of it under this Agreement, if such nonperformance or delay is caused by act of God or the public enemy, strikes, the requirements of any law or governmental regulations or orders, or any other circumstances beyond the control of the Company.

19. Manufacturer shall indemnify, hold harmless, and defend (and pay any and all other expenses and attorney's fees in connection therewith) the Company and its officers, directors, agents, affiliates and employees from and against any and all actions, liability, loss, claims and demands whatsoever arising out of any actual or alleged acts or omissions of Manufacturer in connection with the Program, except to the extent that any such injury or damage is found to be due to the gross negligence or willful misconduct of the Company. The obligations of Manufacturer under this paragraph shall survive any suspension, revocation, termination, or cancellation of this Agreement.

20. The Agreement shall commence on the date of execution, and unless modified by mutual agreement of the parties or terminated earlier pursuant to the terms of the Agreement, shall continue for six (6) years. The Agreement may be extended or renewed by mutual agreement.

21. Except as otherwise provided herein, this Agreement may be terminated by either party upon sixty (60) days prior written notice to the other. Notice shall be directed to the signatory at the address above or to such other person and address as the party may designate in writing.

22. This Agreement may be suspended and/or terminated by the Company upon written notice for failure by Manufacturer to comply with any term of this Agreement.

23. This Agreement has been finally executed in the State of Maryland. This Agreement shall be governed by and construed in accordance with the substantive law of the State of Maryland, without regard to the conflicts of law rules thereof.

24. In the event any one or more of the provisions contained in this Agreement shall for any reason be held invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any of the other provisions of this Agreement.

25. This Agreement may not be modified orally or in any manner other than by an agreement in writing, signed by the parties hereto.

26. This Agreement supersedes all proposals, oral or written, and all other communications or previous agreements between the parties relating to the subject matter of this Agreement.

27. This Agreement confers rights and obligations only on the parties hereto and is not intended, and shall not be construed, to confer any rights on any person or organization not a party hereto.

28. Manufacturer shall carry and maintain, at its expense, a standard commercial general liability insurance policy affording protection with respect to bodily injury, death, property damage, advertising injury, and personal injury of not less than one million dollars (\$1,000,000) per occurrence. The insurance company providing such insurance, as well as the form of such insurance, shall be subject to the approval of the Company. The insurance policy shall name the Company and its officers, directors, agents, and employees, as additional insureds for liability with respect to or arising out of the actual or alleged acts or omissions of Manufacturer. Such insurance shall be primary and non-contributory and shall contain a provision by which the insurer agrees that such policy shall not be cancelled, materially changed, or not renewed without at least thirty (30) days advance notice to the Company. Each such policy, or a certificate thereof, shall be given to the Company promptly upon execution of this Agreement.

29. Each party waives all rights and claims against the other party, and its respective agents, affiliates, and employees, and against any of their subcontractors and their agents and employees, for all damages, losses, fines, expenses, costs, and fees, but only to the extent of the party's actual recovery of insurance proceeds therefor.

30. Before any party may commence an action or amend a complaint to add a claim arising out of or in connection with this Agreement, the claim must be submitted to mediation, unless mediation is waived in writing by each party to this Agreement. The complaining party shall send a written demand for mediation to the other party. If the parties fail to agree on a mediator within fifteen (15) days of the demand, the complaining party may petition the American Arbitration Association or other recognized mediation service for the appointment of a mediator. The mediator shall commence the mediation within thirty (30) days after being selected. The mediation shall be completed no later than fifteen (15) days after being commenced. The costs of the mediation shall be shared equally between the parties. The costs of the mediation are recoverable by the party that prevails in any subsequent litigation of the claim.

31. BY THE EXECUTION AND ACCEPTANCE OF THIS AGREEMENT, EACH PARTY KNOWINGLY, VOLUNTARILY AND INTENTIONALLY WAIVES ANY RIGHT EACH PARTY MAY HAVE TO A TRIAL BY JURY IN RESPECT OF ANY LITIGATION ARISING OUT OF OR IN CONNECTION WITH THIS AGREEMENT OR ANY CONDUCT, OMISSION, OR STATEMENTS (WHETHER VERBAL OR WRITTEN) OF ANY PARTY WITH RESPECT THERETO. THIS PROVISION HAS BEEN NEGOTIATED BY THE

PARTIES AND IS A MATERIAL INDUCEMENT TO THE PARTIES TO ACCEPT THIS AGREEMENT. THIS WAIVER IS KNOWINGLY, WILLINGLY AND VOLUNTARILY MADE BY EACH PARTY, AND EACH PARTY REPRESENTS THAT NO REPRESENTATIONS OF FACT OR OPINION HAVE BEEN MADE BY ANY INDIVIDUAL TO INDUCE THIS WAIVER OF TRIAL BY JURY OR IN ANY WAY TO MODIFY OR NULLIFY ITS EFFECT. EACH PARTY FURTHER REPRESENTS THAT IT HAS BEEN REPRESENTED IN THE SIGNING OF THIS AGREEMENT AND IN THE MAKING OF THIS WAIVER BY INDEPENDENT LEGAL COUNSEL, SELECTED OF ITS OWN FREE WILL, AND THAT IT HAS HAD THE OPPORTUNITY TO DISCUSS THIS WAIVER WITH COUNSEL.

32. Manufacturer shall make no assignment of this Agreement or Manufacturer's performance thereunder without the express written permission of the Company.

IN WITNESS WHEREOF, the parties have executed this Agreement by a duly authorized officer of the party on the indicated dates, to be effective as of the day and year when fully executed.

**MANUFACTURER (Corporate Officer)**

\_\_\_\_\_  
Signature \_\_\_\_\_ Date \_\_\_\_\_

Name \_\_\_\_\_  
(Printed or Typed)

Title \_\_\_\_\_  
(Printed or Typed)

**HOME INNOVATION RESEARCH LABS, INC.**

\_\_\_\_\_  
Signature \_\_\_\_\_ Date \_\_\_\_\_

Name William M. Ingley  
(Printed or Typed)

Title Vice President and CFO  
(Printed or Typed)



## FEE SCHEDULE & PAYMENT INFORMATION

All prices are subject to change. Payments can be submitted via check or credit card. See the Credit Card Intake Form included within this document.

### **APPLICATION FEE:** \$300

This is typically a one-time fee per manufacturer. If a manufacturer cancels and re-applies more than 12 months after their expected renewal date, they will be asked to re-apply and submit another application fee.

**LISTING FEES:** Options noted below are mutually exclusive.

**Top-Shelf Listing:** \$10,000/year for up to 50 product listings in addition to benefits below.

- Product listings included on Featured Products\* page, which is the default landing page for web visitors and limited to 16 products at one time.
- Minimum of 2 Spotlight Product\* listing on the HomeInnovation.com homepage annually.
- Minimum of 2 Featured Product\* in monthly Insider Update (16,000+ distribution) annually.
- Product(s) featured as an example in [NGBS Bronze Cookbook](#).
- AIA-approved presentation about NGBS Green program and product certification.

*Featured and Spotlight Product listings are dependent on manufacturer providing photos for upload to online product listings.*

**Annual Certification Pricing:** Annual pricing based on number of certified practices and associated NGBS practices.

- \$1,250 for one product group with one certified NGBS practice
- \$1,500 for one product group with two certified NGBS practices
- \$1,750 for one product group with three certified NGBS practices
- \$2,000 for one product group with unlimited number of certified NGBS practices

See "Applying for Certification" section for definition of "product group."

**Multi-Year Pricing:** Discounted pricing for manufacturers that commit for a minimum of three years of product certification/listing. Fees may be invoiced at once or annually.

- Year 1 – Annual pricing applies
- Year 2 – 25% discount off year one pricing
- Year 3 – 50% discount off year one pricing

**Multi-Webpage Listings:** For a typical listing, a product group appears on a single webpage in a single listing. Manufacturers can select to break the product group into individual product listings to capitalize on enhanced online exposure and related search engine optimization for an additional \$200 per webpage. Each webpage can have a unique photo and specification link. Even if multiple webpages are selected for a given product group, the product group will still be issued a single certificate.

This fee is only assessed once. Listing corrections are always free, as are minor edits. Administrative fees will be assessed for changes that are determined to be more than minor but will always be discussed with the manufacturer first for approval.



**Home Innovation**  
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**PRODUCT APPLICATION FORM**

(Please complete form electronically.)

**Manufacturer:** \_\_\_\_\_

**Product Group Name:** \_\_\_\_\_

**Web Link:** \_\_\_\_\_

**Product Spec Link:** \_\_\_\_\_

**Product Description  
to Appear on Web  
Listing**

(MAX 500 characters,  
including spaces)

\_\_\_\_\_

NGBS Version & Practice	Explanation of Product Applicability	Third-Party Reference

I certify to the best of my knowledge that the product features and practices contributing to NGBS certification listed above are supported by the referenced third-party documentation and are standard in the described products.

\_\_\_\_\_  
*Authorized Signature*

\_\_\_\_\_  
*Title*

\_\_\_\_\_  
*Date*



APPENDIX B:  
2020 NGBS PRACTICES WITH PRODUCT ELIGIBILITY

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**PRODUCTS ELIGIBLE FOR CERTIFICATION UNDER 2020 NGBS**

<b>Practice</b>	<b>Product Eligibility</b>	<b>Product Category</b>
<b>Chapter 4 - Land Development</b>		
403.5(4)	Permeable construction materials for driveways, parking areas, walkways, and patios; vegetative paving system	Landscaping
403.6(4)	Software tools providing equivalent function/benefit as EPA WaterSense Water Budget Tool	Software
403.6(5)	Vegetation products with third-party water efficient grass recognition	Landscaping
403.6(15)	Weather-based or soil-moisture-based irrigation controllers	Irrigation
403.6(17)	Graywater irrigation system	Irrigation
403.6(18)	Cisterns, rain barrels, and similar tanks that intercept and store runoff	Irrigation
403.6(19)(b)	Spray irrigation systems tested in accordance with ASABE/ICC 802 "Landscape Irrigation Sprinkler and Emitter Standard"	Irrigation
403.7(3)	Outdoor lighting products designed with features to support wildlife	Lighting & Lighting Controls
403.10(2)	Asphalt or concrete products demonstrating at least 50% recycled content	Landscaping
404.3(3)	Products supporting sediment and erosion control	Landscaping
404.3(7)	Organic soil amendments; mulch	Landscaping
405.6(4)	Bicycle parking racks	Other
405.6(5)	Bicycle sharing program services	Other
405.6(6)	Car sharing program services	Other
405.10(b)	Compost bins	Other
<b>Chapter 5 - Lot Design, Preparation, and Development</b>		
501.2(6)	Bicycle parking racks	Other
503.3(2)(b)	Geomats and similar	Landscaping
503.4(4)	Permeable construction materials for driveways, parking areas, walkways, patios, and recreational surfaces; vegetative paving system	Landscaping
503.4(5)	Gutter and downspout systems; rainwater catchment systems	Building Materials
503.5(4)	Software tools providing equivalent function/benefit as EPA WaterSense Water Budget Tool	Software
503.5(5)	Vegetation products with Turfgrass Water Conservation Alliance (TWCA) or equivalent water efficient grass recognition	Landscaping
503.6(4)	Outdoor lighting products designed with features to support wildlife	Lighting & Lighting Controls
504.3(1)	Products supporting sediment and erosion control	Landscaping
504.3(7)	Organic soil amendments, mulch	Landscaping
505.2(1)(a)	Shade materials, including vegetation and trellises	Landscaping
505.2(1)(b)	Horizontal hardscaping materials with a SRI of 29 or greater	Building Materials
505.2(1)(c)	Permeable hardscaping materials	Building Materials
505.2(2)	Vegetated roof systems	Roofing
505.5(c)	Compost bins	Other
505.6	Electric vehicle charging stations meeting specified charging and infrastructure criteria	Renewable Energy / Battery Storage / Demand Response / Alt. Fueled Vehicles
505.7	CNG vehicle fueling appliances meeting specified criteria	Renewable Energy / Battery Storage / Demand Response / Alt. Fueled Vehicles
505.10	Adult exercise and children's play equipment (indoor or outdoor)	Other
<b>Chapter 6 - Resource Efficiency</b>		
601.5.1	Prefabricated floor systems	Flooring
601.5.2	Prefabricated wall systems	Wall Systems
601.5.3	Prefabricated roof systems	Roofing
601.5.4	Whole-building modular construction	Whole Home
601.5.5	Whole-building manufactured home construction	Whole Home
601.7(a)	Prefinished interior trim	Siding & Trim
601.7(b)	Prefinished exterior trim	Siding & Trim
601.7(c)	Prefinished window, skylight, and door assemblies	Windows/Doors
601.7(d)	Prefinished interior wall coverings or systems, floor systems, and/or ceiling systems not requiring paint/stain	Wall Coverings
601.7(e)	Prefinished exterior wall coverings or systems, floor systems, and/or ceiling systems not requiring paint/stain	Wall Coverings
601.8	Foundation systems that minimizes material use	Foundations
602.1.1.1	Capillary break and vapor retarder products	Building Materials
602.1.1.2	Capillary break products	Building Materials
602.1.2(1)	Rubberized foundation waterproofing	Foundations
602.1.2(2)	Drainage mat foundation waterproofing	Foundations
602.1.3.1	Exterior drain tile	Building Materials
602.1.4.1(1)	Vapor retarders	Building Materials
602.1.4.2(1)	Polyethylene sheeting or other Class I vapor retarders	Building Materials
602.1.4.2(2)	Polyethylene sheeting or other Class I vapor retarders	Building Materials
602.1.5(1)	No or low toxicity termite treatment product or services	Other
602.1.5(2)	Low toxicity bait and kill termite treatment products or services	Other

**PRODUCTS ELIGIBLE FOR CERTIFICATION UNDER 2020 NGBS**

602.1.6(1)	Termite resistant products for foundation, structural walls, floors, concealed roof areas, exterior decks, and exterior cladding	Building Materials
602.1.6(2)	Termite resistant products for foundation, structural walls, floors, concealed roof areas, exterior decks, and exterior cladding	Building Materials
602.1.6(3)	Termite resistant products for foundation, structural walls, floors, concealed roof areas, exterior decks, and exterior cladding	Building Materials
602.1.8	Water-resistive barrier, drainage plane systems	Building Materials
602.1.9(1)(a)	Flashing for exterior fenestration, skylights, and doors	Flashing
602.1.9(1)(b)	Flashing for roof valleys	Flashing
602.1.9(1)(c)	Flashing for building-to-deck, balcony, porch, and stair intersections	Flashing
602.1.9(1)(d)	Flashing for roof-to-wall intersections, roof-to-chimney intersections, wall-to-chimney intersections, and parapets	Flashing
602.1.9(1)(e)	Flashing for ends of and under masonry, wood, or metal copings and sills	Flashing
602.1.9(1)(f)	Flashing for above projecting wood trim	Flashing
602.1.9(1)(g)	Flashing for built-in roof gutters	Flashing
602.1.9(1)(h)	Drip edge flashing	Flashing
602.1.9(2)	Self-adhered or liquid-applied flashing	Flashing
602.1.9(3)	Pan flashing	Flashing
602.1.9(4)	Seamless, preformed kickout flashing or prefabricated metal with soldered seams	Flashing
602.1.9(5)(a)	Rainscreen systems with minimum 1/4-inch air space exterior to the water-resistive barrier, vented to the exterior at top and bottom of wall, integrated with flashing details	Building Materials
602.1.9(5)(b)	Cladding material or water-resistive barriers with enhanced drainage, meeting 75% draining efficiency	Building Materials
602.1.9(6)	Through-wall flashing	Flashing
602.1.9(7)	Flashing for expansion joints of stucco walls	Building Materials
602.1.10(a)	Porch awnings	Shading / Overhangs
602.1.10(b)	Roof overhangs	Shading / Overhangs
602.1.10(d)	Storm doors	Windows/Doors
602.1.11	Tile backing materials meeting ASTM C1178, C1278, C1288, or C1325	Building Materials
602.1.13	Ice barriers	Building Materials
602.1.15	Kitchen and vanity cabinets certified to ANSI/KCMA A161.1 or equivalent	Cabinets/Countertops
602.2(1)	Roofing products in accordance with ENERGY STAR cool roof certification or equivalent	Roofing
602.2(2)	Vegetated roof systems	Roofing
602.3	Gutter and downspout systems designed to carry water a minimum of 5 feet from foundation perimeter	Building Materials
604.1	Building materials with at least 25% recycled content	Building Materials
606.1(a)	Certified solid wood products	Building Materials
606.1(b)	Engineered wood products	Building Materials
606.1(c)	Bamboo products	Building Materials
606.1(d)	Cotton products	Building Materials
606.1(e)	Cork products	Building Materials
606.1(f)	Straw products	Building Materials
606.1(g)	Natural fiber products made from crops (soy-based, corn-based)	Building Materials
606.2(a)	Wood or wood-based products certified to ATFS	Building Materials
606.2(b)	Wood or wood-based products certified to CSA Z809	Building Materials
606.2(c)	Wood or wood-based products certified to FSC	Building Materials
606.2(d)	Wood or wood-based products certified to PEFC	Building Materials
606.2(e)	Wood or wood-based products certified to SFI	Building Materials
606.2(f)	Wood or wood-based products certified to RPP	Building Materials
606.2(g)	Wood or wood-based products certified to other product programs recognized by PEFC	Building Materials
606.2(h)	Materials from manufacturer with fiber procurement system audited and approved as being in compliance with ASTM D7612	Building Materials
606.3	Materials manufactured using a minimum of 33 percent of primary manufacturing process energy from renewable sources, combustible waste sources, or RECs for major components of building	Building Materials
607.1(1)	Recycling bins	Other
607.1(2)	Compost bins and similar	Other
607.2	Food waste disposer	Other
608.1(1)	Lighter, thinner bricks	Building Materials
608.1(2)	Engineered wood or engineered steel products	Building Materials
608.1(3)	Roof or floor trusses	Building Materials
610.1.1	LCA tool or software	Software
610.1.2.1	Product with LCA showing higher performance than another in terms of primary energy use, global warming, acidification, eutrophication, ozone depletion, or smog potential	Building Materials
610.1.2.2	Building assembly (exterior wall, roof/ceiling, interior walls/ceiling, or intermediate floors) with LCA showing higher performance in terms of primary energy, global warming, acidification, eutrophication, ozone or smog potential	Building Materials

**PRODUCTS ELIGIBLE FOR CERTIFICATION UNDER 2020 NGBS**

611.1.1	Products with Type III industry-wide EPD	Building Materials
611.1.2	Products with product-specific Type III EPD	Building Materials
612.1	Building products from registered 14001 or equivalent production facilities	Building Materials
612.2(1)	Carpet certified to NSF 140 or equivalent	Building Materials
612.2(2)	Resilient flooring certified to NSF 332 or equivalent	Building Materials
612.2(3)	Insulation certified to UL 2985 or equivalent	Insulation
612.2(4)	Interior wall coverings certified to NSF 342 or equivalent	Wall Coverings
612.2(5)	Gypsum board certified to UL 100 or equivalent	Building Materials
612.2(6)	Door leaves certified to UL 102 or equivalent	Windows/Doors
612.2(7)	Tile certified to TCNA A138.1 or equivalent	Building Materials
612.3(5)	Lever door handles	Windows/Doors
612.3(8)	Rocker- and toggle- type light switches	Lighting & Lighting Controls
612.3(9)	Voice-activated HVAC, lighting, alarm, window treatment, and door lock systems	Other
<b>Chapter 7 - Energy Efficiency</b>		
701.1.6(2)	Solar PV of 2 kW or more; battery storage of 6 kW or more	Renewable Energy / Battery Storage / Demand Response / Alt. Fueled Vehicles
701.1.6(3)	Air conditioner with a minimum of 18 SEER	HVAC
701.1.6(4)	Solar, wind, and other renewable energy systems designed to contribute 90% or more of energy for water heating	Renewable Energy / Battery Storage / Demand Response / Alt. Fueled Vehicles
701.1.6(5)	Windows and doors with glazing SHGC at or below 0.25; roof overhang with projection factor to or greater than 0.30	Windows/Doors
701.1.6(6)(a)	Exterior roofing or ceilings meeting reflectance and emittance criteria	Roofing
701.1.6(6)(b)	Roof or ceiling insulation with R-value of R-15 or greater	Insulation
701.1.6(6)(c)	Radiant barriers	Insulation
701.1.6(7)(a)	Overhang with a projection factor equal to or greater than 0.30	Shading / Overhangs
701.1.6(7)(b)	Wall insulation with an R-factor of R-13 or greater	Insulation
701.1.6(7)(c)	Wall materials with solar reflectance of 0.64	Insulation
701.1.6(8)	Ceiling fans; whole-house fans	Fans
701.4.2.1	Air sealing products	Paints/Adhesives/Sealants
701.4.3.1	Caulking, gasketing, weather-stripping and air barrier materials, including film	Paints/Adhesives/Sealants
701.4.3.4	Windows and doors with air infiltration rate of no more than 0.3 cfm per square foot; swinging doors no more than 0.5 cfm per square foot	Windows/Doors
701.4.3.5	Air sealing products	Paints/Adhesives/Sealants
701.4.4(1)	Hard-wired lighting fixtures and bulbs qualifying as high efficacy or equivalent	Lighting & Lighting Controls
701.4.5	Pipe insulation	Insulation
703.1.1.1	Windows, doors, and skylights meeting UA and SHGC requirements	Windows/Doors
703.1.1.2	Window, doors, and skylights meeting prescriptive R-value and fenestration requirements	Windows/Doors
703.2.1	Window, door, skylight, ceiling, frame wall, and mass wall products contributing toward UA improvement	Windows/Doors
703.2.2	Mass wall products	Building Materials
703.2.3	Radiant barrier products	Building Materials
703.2.5.1	Windows, exterior doors, skylights, and TDDs contributing toward fenestration specifications	Windows/Doors
703.2.5.1.1	Windows, exterior doors, skylights, and TDDs contributing toward enhanced fenestration requirements	Windows/Doors
703.2.5.2.1	Windows, exterior doors, skylights, and TDDs contributing toward enhanced fenestration requirements	Windows/Doors
703.3(2)	Overhangs	Shading / Overhangs
703.3(3)	Windows and venting skylights designed to facilitate cross and stack effect ventilation	Building Materials
703.3(4)	Solar reflective or radiant barrier products with 3-year aged criteria of 0.50	Building Materials
703.3.1	Combination space heating and water heating systems with a minimum combined annual efficiency of 0.80 and a minimum water heating recovery efficiency of 0.87	HVAC
703.3(5)(a)	Mass floor products	Building Materials
703.3(5)(b)	Wall thermal mass products	Building Materials
703.3(6)	Roofing materials with minimum of 0.75 inch of continuous air space	Roofing
703.3.2(1)	Gas and propane heaters meeting AFUE requirements	HVAC
703.3.2(2)	Oil furnaces meeting AFUE requirements	HVAC
703.3.2(3)	Gas boilers meeting AFUE requirements	HVAC
703.3.2(4)	Oil burners meeting AFUE requirements	HVAC
703.3.3	Electric and gas heat pumps meeting efficiency requirements	HVAC
703.3.4	Electric air conditioners, electric heat pumps, and gas engine-driven heat pumps meeting efficiency requirements	HVAC
703.3.5	Water source cooling and heating systems meeting efficiency requirements	HVAC
703.3.6	Ground source heat pumps installed by a Certified Geothermal Service Contractor and meeting efficiency requirements	HVAC
703.3.7	ENERGY STAR or equivalent ceiling fans	Fans
703.3.8	Whole-building, dwelling unit, or sleeping unit fans with insulated louvers and a sealed enclosure.	Insulation

PRODUCTS ELIGIBLE FOR CERTIFICATION UNDER 2020 NGBS

703.4.1	Ductless heating systems	HVAC
703.4.2	Ductless cooling systems	HVAC
703.5.1(1)	Gas water heaters meeting UEF and thermal efficiency requirements	Water Heating
703.5.1(2)	Electric water heaters meeting UEF requirements	Water Heating
703.5.1(3)	Oil water heaters meeting UEF requirements	Water Heating
703.5.4	Indirect-fired water heating storage tanks heated from boiler systems	Water Heating
703.5.5	Storage water heaters that are SRCC OG300 rated or equivalent and meet SEF requirements	Water Heating
703.6.1(1)	Hard-wired interior luminaries or lamps that are ENERGY STAR, DesignLights Consortium (DLC), or equivalent	Lighting & Lighting Controls
703.6.1(2)	Exterior lighting with minimum efficacy of 61 lumens per watt or solar-powered	Lighting & Lighting Controls
703.6.1(3)	Common area lighting that contributes toward 0.51 Watts per square foot LPD	Lighting & Lighting Controls
703.6.2(1)	ENERGY STAR or equivalent refrigerators	Appliances
703.6.2(2)	ENERGY STAR or equivalent dishwashers	Appliances
703.6.2(3)	ENERGY STAR or equivalent washing machines	Appliances
703.7.1(7)	Overhangs, adjustable canopies, awnings, and trellises	Shading / Overhangs
703.7.1(8)	Windows with SHGC of 0.40 or higher	Windows/Doors
703.7.1(9)	Return air or transfer grilles/ducts	Building Materials
703.7.2	Automated shading	Shading / Overhangs
703.7.3(1)(a)	Trellises designed to support vegetation growth	Landscaping
703.7.3(1)(b)	Movable awnings or louvers	Shading / Overhangs
703.7.4(2)(a)	Thermal mass walls or floors with minimum of 3 inches of thickness	Building Materials
705.2.1.1(1)	Lighting controls with occupancy sensors and/or dimmers	Lighting & Lighting Controls
705.2.1.1(2)	Lighting controls with occupancy sensors and/or dimmers	Lighting & Lighting Controls
705.2.1.2	Photo or motion sensors for outdoor lighting controls	Lighting & Lighting Controls
705.2.1.3(1)	Occupancy sensors and dimmers for common areas	Lighting & Lighting Controls
705.2.1.3(2)(a)	Occupancy controls installed to reduce light levels in interior corridors and stairwells when space is unoccupied	Lighting & Lighting Controls
705.2.1.3(2)(b)	Occupancy controls installed to reduce light levels in interior corridors and stairwells when space is unoccupied	Lighting & Lighting Controls
705.2.1.4(1)	Occupancy controls designed to reduce lighting levels in garages and parking structures when the space is unoccupied	Lighting & Lighting Controls
705.2.1.4(2)	Occupancy controls designed to reduce lighting levels in garages and parking structures when the space is unoccupied	Lighting & Lighting Controls
705.2.2	TDD and skylights that meet specified criteria	Windows/Doors
705.2.3	Occupancy sensors for hard-wired lighting outlets	Lighting & Lighting Controls
705.3	Induction cooktops	Appliances
705.6.3(a)	Pipe insulation at R-3 or higher	Insulation
705.6.3(b)	Pipe insulation at R-3 or higher	Insulation
705.6.3(c)	Pipe insulation at R-3 or higher	Insulation
705.6.3(d)	Pipe insulation at R-3 or higher	Insulation
705.6.3(e)	Pipe insulation at R-3 or higher	Insulation
705.6.3(f)	Pipe insulation at R-3 or higher	Insulation
705.6.3(g)	Pipe insulation at R-3 or higher	Insulation
705.6.4.1	Hot water demand recirculating systems	Water Heating
705.6.4.2	Hot water demand recirculating systems	Water Heating
705.7	Submetering systems	Energy & Water Management
706.1(1)	Programmable communicating thermostats with remote capability	HVAC
706.1(2)	Energy monitoring device or systems	Energy & Water Management
706.1(3)	Energy management control systems	Energy & Water Management
706.1(4)	Programmable thermostats with control capacity based on occupant presence or usage pattern	HVAC
706.1(5)	Lighting control systems	Lighting & Lighting Controls
706.2(1)	Renewable energy service plan; renewable energy credits	Renewable Energy / Battery Storage / Demand Response / Alt. Fueled Vehicles
706.2(2)	Renewable energy service plans	Renewable Energy / Battery Storage / Demand Response / Alt. Fueled Vehicles
706.3(1)	Smart refrigerators	Appliances
706.3(2)	Smart freezers	Appliances
706.3(3)	Smart dishwashers	Appliances
706.3(4)	Smart clothes dryers	Appliances
706.3(5)	Smart clothes washers	Appliances
706.3(6)	Smart room air conditioners	HVAC
706.3(7)	Smart HVAC systems	HVAC
706.3(8)	Smart service hot water heating systems	Water Heating
706.4.1(1)	Pool, spa, and water feature filtration pumps with electronically controlled variable-speed pumps	Other
706.4.1(2)	Pool, spa, and water feature filtration pumps with electronically controlled variable-speed pumps	Other

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706.4.2	Sump pumps with electrically commutated motors (ECM) or permanent split capacitor (PSC) motors	Other
706.5(2)	Renewable energy systems	Renewable Energy / Battery Storage / Demand Response / Alt. Fueled Vehicles
706.5(3)	Renewable energy and battery energy storage systems	Renewable Energy / Battery Storage / Demand Response / Alt. Fueled Vehicles
706.7(1)	Grid-interactive water heating systems	Water Heating
706.7(2)	Grid-interactive space heating and cooling systems	HVAC
706.8	Level 2 or Level 3 electric vehicle charging stations	Renewable Energy / Battery Storage / Demand Response / Alt. Fueled Vehicles
706.9	CNG vehicle fueling appliances	Renewable Energy / Battery Storage / Demand Response / Alt. Fueled Vehicles
706.10	Automatic demand response systems	Renewable Energy / Battery Storage / Demand Response / Alt. Fueled Vehicles
706.11	Grid-interactive battery storage systems with 6 kWh or more of available capacity	Renewable Energy / Battery Storage / Demand Response / Alt. Fueled Vehicles
706.12	Ventilation systems with automatic ventilation controls	HVAC
706.13(1)	Refrigerants with a GWP <1000	HVAC
706.13(2)	Cooling system that does not require refrigerant	HVAC
706.14(1)	Utility benchmarking service or software products	Software
706.14(2)	ENERGY STAR Portfolio Manager software	Software
706.15(2)	Revolving entrance door	Windows/Doors
<b>Chapter 8 - Water Efficiency</b>		
802.1(4)	Demand controlled hot water priming pumps	Water Heating
802.1(5)	Central hot water recirculating systems for multifamily	Water Heating
802.1(6)	Tankless water heaters with at least 0.5 gallon of storage	Water Heating
802.2(1)	ENERGY STAR or equivalent dishwashers	Appliances
802.2(2)	ENERGY STAR or equivalent clothes washers	Appliances
802.2(3)	Clothes washer with Integrated Water Factor of 3.8 or less	Appliances
802.3(1-2)	Water usage meters with remote daily communication capabilities	Energy & Water Management
802.4(2)(3)	Showerheads capable of shutting off water flow without affecting temperature	Faucets & Showerheads
802.4(2)(a)	Showerheads with maximum flow rate of 1.8 gpm	Faucets & Showerheads
802.4(2)(b)	Showerheads with maximum flow rate of 1.5 gpm	Faucets & Showerheads
802.5.1(1)	Lavatory faucets with flow rate <= to 1.5 gpm	Faucets & Showerheads
802.5.1(2)	Lavatory faucets with flow rate <= to 1.2 gpm	Faucets & Showerheads
802.5.1(3)	Lavatory faucets with flow rate <= to 1.5 gpm	Faucets & Showerheads
802.5.1(4)	Lavatory faucets with flow rate <= to 1.5 gpm	Faucets & Showerheads
802.5.1(5)	Lavatory faucets with flow rate <= to 1.2 gpm	Faucets & Showerheads
802.5.2(1)	Residential kitchen faucets with maximum flow rate of 1.8 gpm	Faucets & Showerheads
802.5.2(2)	Residential kitchen faucets with maximum flow rate of 1.5 gpm	Faucets & Showerheads
802.5.3	Self-closing, motion sensor, metering, or pedal-activated faucets	Faucets & Showerheads
802.5.4(1)	Toilets with 1.28 or less flush volume	Toilets & Urinals
802.5.4(2)	Toilets with 1.28 or less flush volume	Toilets & Urinals
802.5.4(3)	Toilets with 1.28 or less flush volume	Toilets & Urinals
802.5.4(4)(a)	Toilets with 1.2 or less flush volume	Toilets & Urinals
802.5.4(4)(b)	Urinals with flush volume of 0.5 or less	Toilets & Urinals
802.5.4(4)(c)	Composting or waterless toilets and nonwater urinals	Toilets & Urinals
802.6.2	Irrigation sprinkler nozzles tested according to ANSI standard ASABE/ICC 802-2014	Irrigation
802.6.3(1)	Drip irrigation	Irrigation
802.6.3(2)	Subsurface drip irrigation	Irrigation
802.6.4(1)	Irrigation controllers that meet WaterSense performance criteria	Irrigation
802.6.5(3)	Irrigation systems with spray bodies that incorporate in-stem or external flow shut-off device	Irrigation
802.6.5(4)	Irrigation systems with spray bodies that incorporate in-stem or external check valve	Irrigation
802.6.5(5)	Irrigation systems with flow sensing device	Irrigation
802.7.1(2)(a)	Rainwater collection device for irrigation with 50-499 gallon storage capacity	Water Reuse
802.7.1(2)(b)	Rainwater collection device for irrigation with 500-2499 gallon storage capacity	Water Reuse
802.7.1(2)(c)	Rainwater collection device for irrigation with 2500+ gallon storage capacity	Water Reuse
802.7.2(1)	Rainwater distribution system supplying indoor fixture(s)	Water Reuse
802.7.2(2)	Rainwater distribution system supplying indoor fixture(s)	Water Reuse
802.8	Sediment filters	Water Treatment
802.9.1(2)	Water softeners listed to NSF 44 and a rated salt efficiency of 3400 grains of total hardness per 1.0 pound of salt based on sodium chloride equivalency (on the fence about this one, we probably wouldn't want to certify water softeners)	Water Treatment
802.9.2(2)	Reverse osmosis systems listed to NSF 58 and include automatic shutoff value, capacity does not exceed 0.75 gallons	Water Treatment
803.1(1)	Reclaimed, gray, or recycled water systems attached for toilet attachment	Water Reuse
803.1(2)	Reclaimed, gray, or recycled water systems for irrigation	Water Reuse

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803.2	Reclaimed, gray, or rainwater systems designed for rough plumbing into building	Water Reuse
803.3(1)	Automatic water leak detection and control devices	Leak Detection
803.3(2)	Automatic water leak detection and shutoff devices	Leak Detection
803.4	Engineered biological systems or intensive bioremediation systems for water treatment	Water Treatment
803.5	Recirculating humidifiers	HVAC
803.6	Advanced wastewater treatment systems	Water Treatment
<b>Chapter 9 - Indoor Environmental Quality</b>		
902.1.1(3)	Kitchen exhaust units and range hoods with minimum ventilation rate of 100 cfm for intermittent operation at 25 cfm for continuous operation	HVAC
901.1.4	Gas-fired fireplace or other direct heating equipment listed in accordance with NFPA 54, ICC IFGC or applicable code, with outdoor vent	HVAC
901.1.5	Natural gas and propane fireplaces with direct vent and permanently-fixed glass fronts or gasketed doors in compliance with CSA Z21.88/CSA 2.33 or CSA Z21.50b/CSA 2.22b	HVAC
901.2.1(1)	Site-built masonry wood-burning fireplaces with outdoor combustion air and a means of sealing the flue and combustion	HVAC
901.2.1(2)	Factory-built, wood-burning fireplaces in accordance with UL 127 and are EPA Phase 2 Emission Level Qualified Model	HVAC
901.2.1(3)	Wood stoves and fireplace inserts in accordance with UL 1482 and emission requirements of EPA certification and the State of Washington WAC 173-433-100(3)	HVAC
901.2.1(4)	Pellet stoves and furnaces in accordance with ASTM E1509 or are EPA certified	HVAC
901.2.1(5)	Masonry heaters in accordance with ASTM E1602 and ICC IBC Section 2112.1	HVAC
901.3(1)(a)	Door with seal and gasket	Windows/Doors
901.3(1)(b)	Air barrier products	Paints/Adhesives/Sealants
901.3(1)(c)	100 cfm or greater ducted or 70 cfm or greater unducted wall exhaust fans, designed for continuous operation or with controls	HVAC
901.3(2)	Carpets	Other
901.4(1)	Structural plywood compliant with DOC PS 1 or PS2 made w moisture-resistant adhesives and labeled as Exposure 1 or Exposure 2	Building Materials
901.4(2)	Particleboard or MDF manufactured and labeled according to CPA A208.1 and CPA A208.2	Building Materials
901.4(3)	Hardwood plywood in compliance with HPVA HP-1	Building Materials
901.4(4)	Particleboard, MDF, and hardwood plywood in accordance with CPA 4	Building Materials
901.4(5)	Composite wood or agrifiber panel products containing no added urea-formaldehyde or are in accordance with the CARB Composite Wood Air Toxic Contaminant Measure Standard	Building Materials
901.4(6)	Non-emitting products	Building Materials
901.5(1)	Cabinets made of solid wood or non-formaldehyde emitting materials	Cabinets/Countertops
901.7(1)(a)	Prefinished ceramic tile flooring with emission levels in accordance with CDPH/EHLB Standard Method v1.1, tested by a laboratory with CDPH/EHLB Standard Method v1.1 within the laboratory scope of accreditation to ISO/IEC 17025 and certified to a third-party program accredited to ISO 17065	Flooring
901.7(1)(b)	Prefinished organic-free, mineral-based flooring with emission levels in accordance with CDPH/EHLB Standard Method v1.1, tested by a laboratory with CDPH/EHLB Standard Method v1.1 within the laboratory scope of accreditation to ISO/IEC 17025 and certified to a third-party program accredited to ISO 17065	Flooring
901.7(1)(d)	Prefinished concrete masonry flooring with emission levels in accordance with CDPH/EHLB Standard Method v1.1, tested by a laboratory with CDPH/EHLB Standard Method v1.1 within the laboratory scope of accreditation to ISO/IEC 17025 and certified to a third-party program accredited to ISO 17065	Flooring
901.7(1)(e)	Prefinished concrete flooring with emission levels in accordance with CDPH/EHLB Standard Method v1.1, tested by a laboratory with CDPH/EHLB Standard Method v1.1 within the laboratory scope of accreditation to ISO/IEC 17025 and certified to a third-party program accredited to ISO 17065	Flooring
901.7(1)(f)	Materials with emission levels in accordance with CDPH/EHLB Standard Method v1.1, tested by a laboratory with CDPH/EHLB Standard Method v1.1 within the laboratory scope of accreditation to ISO/IEC 17025, certified to a third-party program accredited to ISO 17065; prefinished metal flooring	Flooring
901.7(2)	Carpet and carpet cushion with emission levels in accordance with CDPH/EHLB Standard Method v1.1, tested by a laboratory with CDPH/EHLB Standard Method v1.1 within the laboratory scope of accreditation to ISO/IEC 17025 and certified to a third-party program accredited to ISO 17065	Flooring
901.7(2)(c)	Prefinished clay masonry flooring with emission levels in accordance with CDPH/EHLB Standard Method v1.1, tested by a laboratory with CDPH/EHLB Standard Method v1.1 within the laboratory scope of accreditation to ISO/IEC 17025 and certified to a third-party program accredited to ISO 17065	Flooring
901.8	Wall coverings in accordance with the emission concentration limits of CDPH/EHLB Standard Method v1.1; emissions determined by a laboratory accredited to ISO/IEC 17025 and CDPH/EHLB Standard Method v1.1 is in its scope, product is certified by a third-party program accredited to ISO 17065	Wall Coverings
901.9 (exception)	Interior architectural coatings formulated to remove formaldehyde and other aldehydes from indoor air and are tested and labeled in accordance with ISO 16000-23 Indoor air--Part 23	Paints/Adhesives/Sealants
901.9.1(1)	Site applied interior architectural coatings in accordance with Zero VOC as determined by EPA Method 24	Paints/Adhesives/Sealants
901.9.1(2)	Site applied interior architectural coatings in accordance with GreenSeal GS-11	Paints/Adhesives/Sealants



**PRODUCTS ELIGIBLE FOR CERTIFICATION UNDER 2020 NGBS**

901.9.1(3)	Site applied interior architectural coatings in accordance with CARB Suggested Control Measure for Architectural Coatings	Paints/Adhesives/Sealants
901.9.2	Architectural coating colorant additives with VOC content meeting criteria	Paints/Adhesives/Sealants
901.9.3	Site-applied interior architectural coatings in accordance with the emission levels of CDPH/EHLB Standard Method v1.1; emission levels determined by a laboratory accredited to ISO/IEC 17025 and the CDPH/EHLB Standard Method v1.1 is in its scope of accreditation, product is certified by a third-party program accredited to ISO 17065	Paints/Adhesives/Sealants
901.10(1)	Interior adhesives and sealants in accordance with CDPH/EHLB Standard Method v1.1; emission levels determined by a laboratory accredited to ISO/IEC 17025 and the CDPH/EHLB Standard Method v1.1 is in its scope of accreditation, product is certified by a third-party program accredited to ISO 17065	Paints/Adhesives/Sealants
901.10(2)	Interior adhesives and sealants in accordance with GreenSeal GS-36	Paints/Adhesives/Sealants
901.10(3)	Interior adhesives and sealants in accordance with SCAQMD Rule 1168	Paints/Adhesives/Sealants
901.11	Wall, ceiling, and floor insulation materials in accordance with emission levels of CDPH/EHLB Standard Method v1.1, emission levels determined by a laboratory accredited to ISO/IEC 17025 and the CDPH/EHLB Standard Method v1.1 is in its scope of accreditation, product is certified by a third-party program accredited to ISO 17065	Insulation
901.12	Furniture with VOC emission levels in accordance with ANSI/BIFMA e3-Furniture Sustainability Standard sections 7.6.1 and 7.62, tested in accordance with ANSI/BIFMA Standard Method M7.1	Furniture
901.13	Carbon monoxide alarms	Other
901.14(1)	Exterior grilles or mats	Other
901.14(2)	Interior grilles or mats	Other
901.15(1)	Interior signage designating non-smoking areas.	Other
901.15(2)	Exterior signage designating non-smoking areas	Other
902.1.2	Bathroom and laundry exhaust fans with automatic timer and/or humidistat	Fans
902.1.3(a)	Kitchen exhaust fans with verified air flow of 100 cfm intermittent or 25 cfm continuous	Fans
902.1.3(b)	Bathroom and laundry exhaust fans with verified air flow of 50 cfm intermittent or 20 cfm continuous	Fans
902.1.4(1)	ENERGY STAR labeled exhaust fans	Fans
902.1.4(2)	ENERGY STAR labeled exhaust fans designed to operate at or below 1 sone	Fans
902.1.5(2)	Insect screens designed for operable windows, operable skylights, and sliding glass doors	Windows/Doors
902.1.6	Ventilation systems in accordance with the specifications of ASHRAE 62.1	HVAC
902.2.1(1)	Exhaust or supply fans ready for continuous operation and with appropriately labeled controls	Fans
902.2.1(2)	Exhaust and supply fans	HVAC
902.2.1(3)	Heat-recovery ventilators	HVAC
902.2.1(4)	Energy-recovery ventilators	HVAC
902.2.3	MERV filters 8-13 designed for central forced air systems	Air Filtration
902.2.4	MERV filters 14 or greater designed for central forced air systems	Air Filtration
902.3(1)(a)	Passive radon systems	Foundations
902.3(1)(b)	Active radon systems	Foundations
902.3(2)(a)	Passive radon systems	Foundations
902.3(2)(b)	Active radon systems	Foundations
902.3.1.1	Soil-gas barrier product made of polyethylene or equivalent	Foundations
902.3.1.2	Piping for soil gas collection	Pipe
902.3.1.3	Polyurethane caulk and other air sealing products designed to seal penetrations	Paints/Adhesives/Sealants
902.3.1.4	Gas-tight pipe vent	Pipe
902.3.1.5	Vent pipe meeting specified diameter limits	Pipe
902.3.1.7	Sub-slab soil-gas exhaust system with exhaust fan	Pipe
902.3.2	Radon test kit	Other
902.5	Central vacuum systems	Appliances
903.3(1)	Dehumidification system	Humidity Control
903.3(2)	Central HVAC equipped with dehumidification mode	HVAC
905.1	Humidity monitoring system	Dehumidification
905.2	Kitchen exhaust units that equal or exceed 400 cfm	Kitchen Exhaust
905.3(1)	Activated carbon filters for enhanced air filtration	Air Filtration
905.4	Sound barrier meeting specified criteria	Building Materials
905.6	Ultraviolet lamps designed for installation on cooling coils and drain pans of mechanical system supplies for mold prevention	HVAC Other
<b>Chapter 10 - Operation, Maintenance, and Building Owner Education</b>		
1004.1(1)	Continuous Energy and water monitoring system	Energy & Water Management
<b>Chapter 13 - Commercial Spaces</b>		
13.103.1.1	Bicycle racks and similar	Other
13.104.1.1	Capillary break and vapor retarder products	Building Materials
13.104.1.2	Exterior drain tile	Building Materials

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13.104.1.3	Dampproofing products	Building Materials
13.104.1.6	Tile-backing materials in accordance with ASTM C1178, C1278, C1288, or C1325	Foundations
13.104.1.4	Water-resistive barrier products and drainage plane systems	Paints/Adhesives/Sealants
13.104.1.5	Flashing products	Flashing
13.104.1.7	Ice barrier products	Building Materials
13.104.3.1(1)	Biobased products	Building Materials
13.104.3.1(2)	Wood-based products	Building Materials
13.104.3.1(3)	Materials manufactured with a minimum of 33% of primary manufacturing energy derived from renewables, waste sources, or RECs	Building Materials
13.104.3.1(4)	Lighter, thinner brick; engineered wood; engineered steel products; roof trusses; floor trusses	Building Materials
13.104.3.1(6)	Product showing improved environmental impact compared to another product using on LCA	Building Materials
13.104.3.1(7)	Building assembly (exterior wall, roof/ceiling, interior walls/ceiling, or intermediate floors) with LCA showing higher performance in terms of primary energy, global warming, acidification, eutrophication, ozone or smog potential	Building Materials
13.104.3.1(8)	Building products from registered 14001 or equivalent production facilities	Building Materials
13.104.3.1(9)	Carpet certified to NSF 140  Resilient flooring certified to NSF 332 or equivalent  Insulation certified to UL 2985 or equivalent. Interior wall coverings certified to NSF 342 or equivalent  Gypsum board certified to UL 100 or equivalent  Door leafs certified to UL 102 or equivalent  Tile certified to TCNA A138.1 Specifications for Sustainable Ceramic Tiles, Glass Tiles, and Tile Installation Materials or equivalent	Building Materials
13.104.3.1(9)	Carpet certified to NSF 140 or equivalent   Resilient flooring certified to NSF 332 or equivalent   Insulation certified to UL 2985 or equivalent   Interior wall coverings certified to NSF 342 or equivalent   Gypsum board certified to UL 100 or equivalent   Door leafs certified to UL 102 or equivalent   Tile certified to TCNA A138.1 Specifications for Sustainable Ceramic Tiles, Glass Tiles and Tile Installation Materials or equivalent	Building Materials
13.104.3.1(11)	Products with a Type III industry-wide EPDs. Products with a Type III industry-wide EPDs	Building Materials
13.104.3.1(12)	Building materials with at least 25% recycled content	Building Materials
13.104.4	Recycling and composting containers	Other
13.105.3	Air sealing products	Paints/Adhesives/Sealants
13.105.4	Tenant-level energy metering products	Energy & Water Management
13.105.5	HVAC equipment meeting minimum efficiency requirements of Tables C403.3.2(1) through C403.3.2(7) of the IECC	HVAC
13.105.6	Service water heating equipment meeting minimum efficiency requirements listed in ICC IECC Table C404.2	Water Heating
13.105.7	Interior lighting contributing to total lighting power allowance in accordance with Section C405.3.2 of the IECC	Lighting & Lighting Controls
13.105.8.1	Mechanical and service water heating systems in compliance with ICC IECC Section C408.2	Water Heating
13.105.11.1	Heated-water circulation systems provided with a circulation pump	Water Heating
13.105.11.2	Electric heat trace systems that automatically adjust the energy input	Water Heating
13.105.11.3	Controls for hot water storage that circulate water between water heater and a heated water storage tank	Water Heating
13.106.1	Plumbing fixtures and fixture fittings that comply with the maximum flow rates specified in Table 106.1	Faucets & Showerheads
13.106.3(1)	Residential clothes washer, front-loading (>2.5 cu-ft) with maximum IWF 3.2, minimum IMEF 2.76	Appliances
13.106.3(2)	Residential clothes washer, top-loading (>2.5 cu-ft) with maximum 4.3 IWF, minimum IMEF 2.06	Appliances
13.106.3(3)	Residential clothes washer (≤ 2.5 cu-ft) with maximum 4.2 IWF, minimum IMEF 2.07	Appliances
13.106.3(4)	Commercial clothes washer with maximum 4.0 IWF, minimum MEF 2.20	Appliances
13.106.4.1	Dipper well with shutoff value and flow control device to manage water supply	Food Service
13.106.4.2(1)	A food strainer basket that is emptied into a trash can	Food Service
13.106.4.2(2)	Garbage grinder where water flow into the food waste disposer is controlled by a load-sensing device such that the wat flow does not exceed 1 gpm under non-load operating conditions and 8 gpm under full-load operating conditions	Food Service
13.106.4.2(3)	Food waste pulper or mechanical strainer that uses no more than 2 gpm of potable water	Food Service
13.106.4.3	Food service pre-rinse spray heads meeting flow rate requirements, with automatic shut-off	Food Service
13.106.4.4	Hand-washing sinks with self-closing faucets	Faucets & Showerheads
13.106.5.1	Water softener with demand-initiated regeneration control systems	Water Treatment
13.106.5.2	Water softener with a maximum water consumption during regeneration of 5 gal per 1000 grains of hardness removed, as measured with NSF 44	Water Treatment
13.106.6	Heat exchangers with recirculating water system, such as a chilled water loop, cooling tower loop, or similar recirculating system	HVAC
13.107.1.1(1)	Permanent walk-off mat that allows access for cleaning	Other
13.107.1.1(2)	Roll-out mats maintained on a weekly basis by a contracted service	Other
13.107.3(1)	Structural plywood compliant with DOC PS 1 or PS2 made w moisture-resistant adhesives and labeled as Exposure 1 or Exposure 2  Particleboard or MDF manufactured and labeled according to CPA A208.1 and CPA A208.2  Hardwood plywood in compliance with HPVA HP-1  Particleboard, MDF, and hardwood plywood in accordance with CPA 4   Composite wood or agrifiber panel products containing no added urea-formaldehyde or are in accordance with the CARB Composite Wood Air Toxic Contaminant Measure Standard   Non-emitting products	Building Materials
13.107.3(2)	Cabinets made of solid wood or non-formaldehyde emitting materials	Cabinets/Countertops

## PRODUCTS ELIGIBLE FOR CERTIFICATION UNDER 2020 NGBS

13.107.3(3)	Prefinished ceramic tile flooring with emission levels in accordance with CDPH/EHLB Standard Method v1.1   Prefinished organic-free, mineral-based flooring with emission levels in accordance with CDPH/EHLB Standard Method v1.1   Prefinished concrete masonry flooring with emission levels in accordance with CDPH/EHLB Standard Method v1.1   Prefinished concrete flooring with emission levels in accordance with CDPH/EHLB Standard Method v1.1   Materials with emission levels in accordance with CDPH/EHLB Standard Method v1.1   Prefinished metal flooring   Carpet and carpet cushion with emission levels in accordance with CDPH/EHLB Standard Method v1.1   Prefinished clay masonry flooring with emission levels in accordance with CDPH/EHLB Standard Method v1.1	Flooring
13.107.3(4)	Wall coverings in accordance with the emission concentration limits of CDPH/EHLB Standard Method v1.1; emissions determined by a laboratory accredited to ISO/IEC 17025 and CDPH/EHLB Standard Method v1.1 is in its scope, product is certified by a third-party program accredited to ISO 17065	Wall Coverings
13.107.3(5)	Interior architectural coatings formulated to remove formaldehyde and other aldehydes from indoor air and are tested and labeled in accordance with ISO 16000-23 Indoor air--Part 23	Paints/Adhesives/Sealants
13.107.3(6)	Interior adhesives and sealants in accordance with CDPH/EHLB Standard Method v1.1, GreenSeal GS-36, or SCAQMD Rule 1168	Paints/Adhesives/Sealants
13.107.3(7)	Wall, ceiling, and floor insulation materials in accordance with emission levels of CDPH/EHLB Standard Method v1.1, emission levels determined by a laboratory accredited to ISO/IEC 17025 and the CDPH/EHLB Standard Method v1.1 is in its scope of accreditation, product is certified by a third-party program accredited to ISO 17065	Insulation
13.107.4.1	Fireplaces and fuel-burning appliances vented to the outdoors and having a means to tightly close off the chimney flue and combustion air openings when not in use	HVAC
13.107.4.2(1)	Site-built masonry wood-burning fireplaces that use combustion air and include a means of sealing the flue and combustion air outlets when not in operation	HVAC
13.107.4.2(2)	Factory-built, wood-burning fireplaces in accordance with UL 127	HVAC
13.107.4.2(3)	Wood stove and fireplace inserts in accordance with UL 1482	HVAC
13.107.4.3	Biomass fireplaces, stove, and inserts listed and labeled in accordance with ASTM E 1509 or UL 1482   Biomass furnaces listed and labeled in accordance with CSA B366.1 or UL 391; Biomass boilers listed and labeled in accordance with CSA B366.1 or UL 2523	HVAC
13.107.4.4	Gas-fired fireplaces and direct heating equipment listed and installed in accordance with NFPA 54, ICC IFGC, or applicable local gas appliance installation code	HVAC
13.107.5	Protective materials for HVAC supply and return ducts during construction	Other
13.107.6(1)	Doors with tight sealing and gasketing	Windows/Doors
13.107.6(2)	Air barrier products	Paints/Adhesives/Sealants
13.107.7	Exhaust systems contributing toward compliance with ICC IMC and ASHRAE 62.1	HVAC
13.107.8.1	Ventilation products contributing toward compliance with ICC IMC and ASHRAE 62.1	HVAC
13.107.8.2	MERV filters with minimum filter of 6	Air Filtration
13.107.9	Active and passive radon systems	Foundations







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