



Level 1 Checklist



Checklist for Building a Level I Home

Co. Name of Builder/Designer

Name of Applicant

Phone number and e-mail

Address of Home

Model Name/Number (if applicable)

Lot Sq. Ft.⁵

Lawn (turf) Sq. Ft.

Impervious Sq. Ft.

EARZ location?

Conditioned Sq. Ft.⁵

Review Fee (see below)

PURPOSE

REFER TO GUIDELINES

This checklist is a quick form builders or designers can use to determine whether an individual home can meet the minimum requirement to receive Level I certification. For detailed description of each of these requirements, refer to the "Guidelines for Building a Level I Home."

BEYOND LEVEL I?

To determine whether a home can receive a designation higher than Level I, refer to other guidelines established by Build San Antonio Green.

USING THE CHECKLIST

For Level I Certification, each home must incorporate all items listed on this checklist. For assistance with this checklist, contact Build San Antonio Green staff at 210-224-7278.

Statement of Intent

In submitting this home for Level I certification, the applicant assures the Metropolitan Partnership for Energy that the home will adhere to all the requirements listed for Level I certification. All substitutions, if required, will be noted and signed by the applicant and the Build San Antonio Green Coordinator before the construction is completed.

Applicant signature (typed name ok on electronic submittals)

Date

Review Fee Calculation

A Review Fee payment must accompany this checklist before your review can be performed. There are two parts to the Review Fee, the First Model Charge Fee and the Repeating Model Fee. Both are based on the square footage of each model and home. The First Model Charge Fee is only charged the first time a home model is reviewed. A Repeating Model Fee is required for each home review using a model previously reviewed. Calculate the First Model Charge Fee based on the area of conditioned space⁹ using the fee table below. For homes built in developments of 30 or more lots that require Build San Antonio Green certification for all lots, use the Repeating Model Fee for all homes (the First Model Fee is not required). Please make your check payable to "Metropolitan Partnership for Energy". Remember, one set of construction documents should accompany the submittal for the first unit of a particular model being considered.

Conditioned Space (sq. ft.)	First Model Charge Fee	Repeating Model Fee
up to 1,200	4¢ per sq. ft.	\$ 20.00
1,201 - 1,800	5¢ per sq. ft.	\$ 30.00
1,801 - 2,500	7¢ per sq. ft.	\$ 50.00
2,501 - 3,500	10¢ per sq. ft.	\$ 150.00
3,501+	10¢ per sq. ft.	\$ 300.00

SUBSTITUTION

ASK FOR ASSISTANCE

We realize there may be situations where your submission may be close to obtaining a Level I designation, but the prescriptive aspects of Level I requirements may be too limiting. Don't despair. Your BSAG plan reviewer is available to help you find possible substitutions from the list of elements present in the Comprehensive Program format. Your reviewer is also available to help with any questions or suggestions you may have during your self-evaluation process.

Pre-Construction Requirements

1. Provide a set of plans for each home model submitted.
2. Provide a site plan for each home submitted. Indicate area information on the previous page.
3. Provide a construction waste plan.
4. The HVAC system shall be properly sized using the ACCA Manual "J" version 8.0 or later. A copy of this document must be submitted to MPE.

FOOTNOTES

1. Provide documentation supporting this item with your application.
2. Gas-fired lamps are highly discouraged.
3. Refer to the Level I Guidelines for further explanation of this item.
4. Use the local jurisdictional code if it is more conservative.
5. If the attic is conditioned, do not include attic square footage in your "conditioned space" square footage.
6. Exemption allowed in Conservation Subdivisions (UDC).

Energy Requirements

- Build an ENERGY STAR® rated home.¹
- Provide natural gas connections where natural gas is available.
- All builder-installed equipment and appliances must be ENERGY STAR® labeled. Provide proof for builder-installed appliances.¹
- Follow the ENERGY STAR® Advanced Lighting Package.³
- Gas fired lamps are only allowed with specific restrictions.^{2,3}

Water Requirements

- Install only one shower head per shower.
- All sink fixtures are rated at 2.2 gallons per minute or less.⁴
- Locate hot water fixtures within 20 feet of water heater (tank or instantaneous) -OR- Install hot-water-on-demand system.³
- Water heater: Instantaneous, or catch pan/drain to outdoors on flooring which is not water-sensitive.³
- Insulate all exposed water (supply) lines.
- Downspouts if installed, must drain into a pervious surface.
- Install landscaping only from the SAWS approved plant list.³

Site Requirements

- Comply with the City of San Antonio Tree Protection Ordinance.
- Mulch removed vegetation and reuse on the site or within the development.³
- Designate parking, material storage and staging away from root protection zones by using temporary fencing during construction..
- No more than 10% of the property area excluding the house footprint and driveway is allowed to be impervious cover.^{3, 6}
- Describe and implement a construction waste plan.³

Health Requirements

- Install required venting for gas fixtures.³
- Vent kitchen range hoods to the exterior.
- Any dehumidification system must be independent of the cooling system.
- Isolate garage space from conditioned space using the ENERGY STAR® Thermal Bypass Checklist Guide (latest version).
- Fireplaces are allowed only with restrictions.³
- Open fireplaces are prohibited. Fireplaces must include a gasketed glass fireplace door and fan timer switches.³
- Install carbon monoxide detectors where described in Guidelines.³
- Seal HVAC ducts during construction with Speedi-Boot or other similar method that effectively eliminates duct contamination.
- Vacuum boots and grills before first use.
- Fiber duct board (if installed), must comply with the fiber duct board requirements as described in the Guidelines.³
- Do not use vapor barrier materials on interior surfaces of perimeter walls.
- Use Carpet & Rug Institute's Green Label certified carpet in all carpeted areas.³
- Carpet adhesive or padding used must also be Green Label certified.³
- Choose an interior paint from the "Allowed Interior Paint" listings. Window, door trim, and baseboard surfaces are exempt if these surfaces total less than 15% of interior painted area.³
- Provide HVAC filter MERV rated 8 or greater.
Indicate type of filter used here: _____

Additional Requirements

For all houses with a conditioned space of 3,500 square feet or more, the following items are **also** required:

- HERS Index must be **80** or less.
- All** toilets must be rated at **less** than 1.6 gallons per flush **or** install dual flush toilets.
- Install MERV11 or greater rated filter **or** install whole-house vacuum system.
- Install non-toxic termite barrier.

Post-Construction Submittal

Post-Construction Requirements

1. The applicant must submit a copy of the HERS rating for each home tested.
2. The applicant must submit a copy of the ENERGY STAR® Homes Certificate and the ENERGY STAR® Home Report for each house.
3. Each house must be tested. BSAG certification will not be awarded on the basis of sampling.

Post-Construction Packet for the Homeowner

The Build San Antonio Green staff will provide to the applicant, a Certificate, a SAWS Landscape Care Guide and Homeowner's Manual for each home. The applicant must insert or attach copies of HERS testing and ENERGY STAR® documentation as well as copies of warranty and operational instruction information for all builder installed appliances and materials (such as roofing and fixture warranties) and the HVAC system to include with the Homeowner's Manual.

Deliver this completed set of documents to the homeowner upon closing. The MPE will charge an additional fee to the applicant should a duplicate Certificate or Homeowner's Manual be required.



The Build San Antonio Green Program is wholly owned and administered by the **Metropolitan Partnership for Energy**.

118 Broadway, Suite 232
San Antonio, Texas 78205
210-224-7278
www.buildsagreen.org

Marketing the Home

BSAG Yard Sign

Build San Antonio Green yard signs are available to use for the applicant to show the public during construction that the house is pending certification with the Build San Antonio Green program. Because final certification is not earned until the house is finished and the results of the testing are submitted, a provided paper notice must be taped to the inside of a street-facing window during construction. The Build San Antonio Green yard signs are made from metal and are the property of the Metropolitan Partnership for Energy. For each yard sign the applicant wants to use, the applicant must provide a deposit of \$50 per sign. The deposit will be held by MPE until the applicant returns the yard sign to MPE in good condition.

BSAG Web Presence

A new version of the Build San Antonio Green website is currently being developed. After the new version is available, it will contain the listing of available certified homes complete with the contact information of the home seller as well as the certification score and location. It is the upmost responsibility of the applicant to inform MPE with all information regarding the status of each home. Once a home sells or is otherwise preferred to not be listed, the applicant must inform MPE staff so that the website information can be timely updated. MPE does not act as a seller or seller's representative of any certified home.

GENERAL INFORMATION

Digital or Paper Submissions

At the present time, we are accepting both paper and digital materials for most submissions. Providing digital files is preferred, especially considering architectural plans and elevations. This saves on archive space as well as saving paper resources. Remember, however, the materials required for the post-construction warranties and manuals that accompany the Homeowner's manual will need to be paper versions in 8-1/2" x 11" format.

IMPORTANT

COTTAGE VARIANCES

Due to the difficulty for very small homes to earn ENERGY STAR rating, the following exemption is available only for homes smaller than 1200 sq. ft.. If a house this size cannot meet ENERGY STAR® rating, it must either obtain a HERS index of 90 or below -or- achieve all six of the following performance requirements: Duct Blaster Test <6% leakage, Blower Door <.50 CFM50 per sf of bldg envelope, Insulation R-19 walls and R-30 attic rated at Grade 1, Duct insulation R-8 or within conditioned space or R-6 w/ radiant barrier style roof deck, HVAC requires 600sf per ton w/ min. 14 SEER equipment, MERV 9 or greater rated filter, and HVAC loads performed using ACCA Manual "J" version 8.0 or later.