ENERGY STAR Residential New Construction Programs: The Year in Review/Year Ahead

Presented on September 21, 2021
Welcome

Jon Passe
Chief
ENERGY STAR Residential Branch
The Future is Now

Look at ES Savings  
Raise the Bar  
Address decarbonization
Zak Shadid
Partner Support Manager
ENERGY STAR Residential Branch
Partners by Organization Type

- Over 3,000 active Builder and Developer Partners
- Over 450 active Energy Rating Companies
- 62 Program Sponsor Partners
## Top 25 Builders, 2021

<table>
<thead>
<tr>
<th>Rank</th>
<th>Active ENERGY STAR Partner?</th>
<th>Company</th>
<th>2020 Total Closings</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>💫100%</td>
<td>D.R. Horton</td>
<td>71,292</td>
</tr>
<tr>
<td>2</td>
<td>💫100%</td>
<td>Lennar Corp.</td>
<td>53,376</td>
</tr>
<tr>
<td>3</td>
<td>💫100%</td>
<td>PulteGroup</td>
<td>24,624</td>
</tr>
<tr>
<td>4</td>
<td>💫100%</td>
<td>NVR</td>
<td>19,766</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Taylor Morrison</td>
<td>12,524</td>
</tr>
<tr>
<td>6</td>
<td>💫100%</td>
<td>Meritage Homes</td>
<td>11,834</td>
</tr>
<tr>
<td>7</td>
<td>💫100%</td>
<td>KB Home</td>
<td>10,672</td>
</tr>
<tr>
<td>8</td>
<td>💫100%</td>
<td>Clayton Properties</td>
<td>9,475</td>
</tr>
<tr>
<td>9</td>
<td>💫100%</td>
<td>Century Communities</td>
<td>9,453</td>
</tr>
<tr>
<td>10</td>
<td>💫100%</td>
<td>LGI Homes</td>
<td>9,339</td>
</tr>
<tr>
<td>11</td>
<td>💫100%</td>
<td>Toll Brothers</td>
<td>8,496</td>
</tr>
<tr>
<td>12</td>
<td>💫100%</td>
<td>M.D.C Holdings</td>
<td>8,158</td>
</tr>
<tr>
<td>13</td>
<td>💫100%</td>
<td>M/I Homes</td>
<td>7,709</td>
</tr>
<tr>
<td>14</td>
<td></td>
<td>Hovnanian Enterprises</td>
<td>6,414</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>Ashton Woods Homes</td>
<td>5,998</td>
</tr>
<tr>
<td>16</td>
<td>💫100%</td>
<td>David Weekley Homes</td>
<td>5,560</td>
</tr>
<tr>
<td>17</td>
<td>💫100%</td>
<td>Beazer Homes</td>
<td>5,492</td>
</tr>
<tr>
<td>18</td>
<td>💫100%</td>
<td>Tri Pointe Homes</td>
<td>5,123</td>
</tr>
<tr>
<td>19</td>
<td>💫100%</td>
<td>Mattamy Homes</td>
<td>4,228</td>
</tr>
<tr>
<td>20</td>
<td>💫100%</td>
<td>Habitat for Humanity Int.</td>
<td>3,466</td>
</tr>
<tr>
<td>21</td>
<td></td>
<td>Stanley Martin Homes</td>
<td>3,436</td>
</tr>
<tr>
<td>22</td>
<td></td>
<td>Highland Homes</td>
<td>3,361</td>
</tr>
<tr>
<td>23</td>
<td></td>
<td>Perry Homes</td>
<td>3,261</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Dream Finders Homes</td>
<td>3,154</td>
</tr>
<tr>
<td>25</td>
<td></td>
<td>Gehan Homes</td>
<td>3,053</td>
</tr>
</tbody>
</table>
New Homes Online Submittal Tool (HOST)

- Uses an API to transmit specific data directly from the RESNET Registry
- Providers perform data quality/matching to org names in ES database
- Reduces manual data entry and improves data quality
- Increases consistency with RESNET Registry

Improvements Coming Soon

- Integration with Indoor airPLUS Reporting
- Improved 'matching' on names populated from the Registry
- Improved multifamily building roll-ups using the Building Name field
Communications Toolkit & Website

Marta Montoro
Communications
Get comfortable in an ENERGY STAR certified new home.

The right choice, today and tomorrow.

ENERGY STAR certified new homes are designed and built to the highest energy efficiency standards to deliver better performance. The ENERGY STAR seal on a new home tells you it was designed and built to standards that save you money and reduce your environmental footprint.

A better home for a better tomorrow.

- **ENERGY STAR certified new homes** are built to save you money and help reduce greenhouse gas emissions.
- **High efficiency** helps keep the inside of your home comfortable and reduces your cooling or heating costs.

Join the 24 million families who have made their home a star.

**The future starts here.**
It’s Time to CELEBRATE!

We’re celebrating the major milestone of building over 2 million ENERGY STAR certified homes and counting. We’re excited about this major accomplishment by our partners.

But not only are we excited—every family in America that has made a choice to live in an ENERGY STAR certified home has something to celebrate, too. They’re creating a better future for their families and for their communities.

So join in the celebration!
Landing pages and some internal program pages have been updated with a new look and feel; imagery is consistent with the new media campaign.
Fall Communications Kit for Partners

EPA is creating a Fall Partner Communications Kit with ads and other assets. Materials will include:

- **Variety of digital ads** for Partners based upon the updated messaging pillars and design strategies.
  - Multiple images and dimensions
  - Multilingual versions (Spanish)

- **Seasonal social media post content**

- **Co-brandable postcard**
ENERGY STAR Day 2021

- **Tuesday, October 26**
- Highlighting partner efforts to bring the benefits of energy efficiency to underserved communities
- EPA will be promoting these efforts across multiple media channels

**ENERGY STAR® Day Toolkit 2021**
Promotional Instructions, Messaging & Materials
Multifamily New Construction (MFNC)
Transition Highlights

Rebecca Hudson
Technical Manager
ENERGY STAR Multifamily New Construction
July 2021 Transition to Multifamily New Construction
First MFNC Certified Building
### 3. Reduced Thermal Bridging

<table>
<thead>
<tr>
<th>3.7 At above-grade walls and rim / band joists separating conditioned space from the exterior, one of the following options used: 23, 26</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.7.1 Continuous rigid insulation, insulated siding, or combination of the two is: ≥ R-3 in CZ 1-4; ≥ R-5 in CZ 5-8 24, 25, 26, 27, OR;</td>
</tr>
<tr>
<td>3.7.2 Structural Insulated Panels OR; Insulated Concrete Forms OR; Double-wall framing OR; 24, 26, 28</td>
</tr>
<tr>
<td>3.7.3 Option only for wood-framed walls either in CZ 1-5 OR ≤ 3 stories: ‘advanced framing’ details including all of the Items below: 26, 29</td>
</tr>
<tr>
<td>3.7.3a Corners insulated ≥ R-6 to edge 30, AND;</td>
</tr>
<tr>
<td>3.7.3b Headers above windows &amp; doors insulated ≥ R-3 for 2x4 framing or equivalent cavity width, and ≥ R-5 for all other assemblies (e.g., with 2x6 framing) 31, AND;</td>
</tr>
<tr>
<td>3.7.3c Interior / exterior wall intersections insulated to same R-value as rest of exterior wall. 32</td>
</tr>
<tr>
<td>3.7.3d In Climate Zone 5, for &gt; 3 stories, ≥ 5.5&quot; framing depth used with wall cavity insulated ≥R-20.0.</td>
</tr>
</tbody>
</table>

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Expanding the option to use Advanced Framing
## Key Improvements and Clarifications

- Expanding the option to use advanced framing to CZ4 & CZ5
- Creating flexibility when meeting code-based minimum insulation requirements
- Coordinating with phius 2021 to create new source energy targets
- Requiring hot water delivery temperature measurement just at faucet, not showerhead
- Clarifying insulation requirements for concrete floors & perimeter edges
## MFNC Resources

### Certification Process Technical Bulletin

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ENERGY STAR Multifamily New Construction Certification Process for Bearns</strong></td>
<td><strong>HVAC Functional Testing Checklist Sampling Protocols</strong></td>
<td><strong>ENERGY STAR Single-Family New Homes</strong></td>
</tr>
<tr>
<td><strong>Technical Bulletin</strong></td>
<td><strong>Functional Testing Checklist</strong></td>
<td><strong>Slab Edge Insulation Exemption Details</strong></td>
</tr>
<tr>
<td><strong>Function and Testing</strong></td>
<td><strong>Testing Protocols</strong></td>
<td><strong>Certification Process Technical Bulletin</strong></td>
</tr>
<tr>
<td><strong>Methodology</strong></td>
<td><strong>Functional Testing Protocols</strong></td>
<td><strong>Certification Process Technical Bulletin</strong></td>
</tr>
<tr>
<td><strong>Equipment and Materials</strong></td>
<td><strong>Sampling Protocols</strong></td>
<td></td>
</tr>
</tbody>
</table>
HVAC Grading Roll Out

Dean Gamble
Technical Manager
ENERGY STAR Single-Family New Homes
HVAC Grading Update

1. Design Review
   - Tolerances Not Met
   - Total Duct Leakage
2. Grade III
   - Grade I or II
   - Blower Fan Airflow
3. Grade III
   - Grade I or II
4. Grade III
   - Grade I or II
   - Blower Fan Watt Draw
5. Grade III
   - Grade I
   - Refrigerant Charge
     - Non-Invasive Temp.
     - Weigh-In Verification

- Flow Grid
- Pressure Matching
- Flow Hood
- Static Press. Table
- Plug-In Watt Meter
- Clamp-On Watt Meter
- House Utility Meter
HVAC Grading Update

1. ERI points can now be earned for HVAC grading in all rating software programs.
**HVAC Grading Update**

2. Std. 310 HVAC Design Report template has been completed:
   - Go to: [www.resnet.us/about/standards/resnet-ansi/](http://www.resnet.us/about/standards/resnet-ansi/) under Calculators & Tools.
   - Being programmed into design software, so designer can complete with ease:
     - Wrightsoft has completed this!
     - EnergyGauge USA will be adding it very soon.
     - Elite RHVAC has committed to adding it and is assessing their timeline.

<table>
<thead>
<tr>
<th>1. Design Basis &amp; Architectural Scope</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1 Design description (optional):</td>
</tr>
<tr>
<td>1.2 Designer company:</td>
</tr>
<tr>
<td>1.3 Software name and version used to complete design:</td>
</tr>
<tr>
<td>Designer name: Date: N/A</td>
</tr>
<tr>
<td>For a Dwelling, Townhouse, or Dwelling / Sleeping Unit Within (i.e., duplex):</td>
</tr>
<tr>
<td>1.4 Architectural plan name or address of the property:</td>
</tr>
<tr>
<td>1.5 Architectural options used in the design:</td>
</tr>
<tr>
<td>1.6 Other architectural options that the design can be used with:</td>
</tr>
<tr>
<td>For a Dwelling / Sleeping Unit Not Within a Dwelling or Townhouse (e.g., condo, apartment):</td>
</tr>
<tr>
<td>1.7 Unique ID for the bldg. that the dwelling / sleeping unit is in:</td>
</tr>
<tr>
<td>1.8 Architectural plan used in design (e.g., dwelling unit modell):</td>
</tr>
<tr>
<td>1.9 Other architectural plans that the design can be used with:</td>
</tr>
<tr>
<td>1.10 Architectural options used in the design:</td>
</tr>
<tr>
<td>1.11 Other architectural options that the design can be used with:</td>
</tr>
<tr>
<td>1.12 Dwelling / sleeping unit location used in design:</td>
</tr>
</tbody>
</table>

ANSI / RESNET / ACCA 310 HVAC Design Report

1, 2

26
HVAC Grading Update

3. ENERGY STAR Supplement to Std. 310 template has been completed:
   • Go to: www.energystar.gov/newhomesrequirements.
   • When using HVAC grading for ENERGY STAR, collect:
     a) Std. 310 design report + this supplement, or,
     b) Std. 310 design report + ENERGY STAR HVAC Design Report
   • Supplement can be used for SFNH and dwelling / sleeping units in MFNC. MFNC has an additional design supplement for common spaces.
3. ENERGY STAR Supplement to Std. 310 (cont.):
   - This supplement is also being programmed into design software:
     - Wrightsoft has committed to add this by the end of the year.
     - EnergyGauge USA has committed to add this and is assessing timeline.
     - Elite RHVAC has committed to add this and is assessing timeline.
HVAC Grading Update

4. HVAC grading tech bulletin and fact sheets for both SFNH and MFNC coming soon:


Track A - HVAC Grading is a collection of requirements built upon ANSI / RESNET / ACCA / ICC Standard 310 that can be used to satisfy many of the HVAC design and commissioning components of the ENERGY STAR Single-Family New Homes program.

And now, with the release of updates for Eko trope and Energy Gauge USA (and with the expected updates to REM/Rate coming soon), Track A - HVAC Grading, can now be used.

While this new track is available for use, partners are free to continue using Track B - HVAC Credential. Track B is a collection of requirements built upon the use of a credentialed HVAC contractor. While the name “Track B - HVAC Credential” is new, this is the familiar set of requirements that partners have been using to date.

Key Benefits of Track A - HVAC Grading

- HVAC grading makes it easier to certify ENERGY STAR single-family new homes:
  - Integrates most ENERGY STAR HVAC requirements into a standard energy rating
  - Does not require the use of a credentialed HVAC contractor
  - Does not require the contractor to complete the HVAC Commissioning Checklist
  - Rewards proper installation with ERI points and helps meet the 45L tax credit
HVAC Grading Update

- To-do list:
  1. RESNET Raters and RFI’s, complete mandatory Std. 310 training.
  2. Model potential ERI impacts.
  3. Explore handy Excel “Std. 310 Data Tool” on RESNET’s site.
  4. Try out Std. 310 by assessing different test methods on several homes.
Program Requirements
• SFNH Rev. 12 and MFNC Rev. 03 arriving this winter.
• Already covered the highlights for the MNFC program.
• For the SFNH program, not anticipating many / any significant changes.
Current Implementation of Program Requirements

SFNH Program

- National v3 in effect: 25
- National v3.1 in effect: 17
- National v3.1 date defined: 3
- Regional Version in effect: 5

MFNC Program

- Version 1 in effect: 26
- Version 1.1 in effect: 18
- Version 1.1 date defined: 3
- Regional v1.2 in effect: 3
National program Version updates

- New states implementing SFNH National Version 3.1 / MFNC National 1.1:
  - Georgia implementation date: 07/01/2022
  - New Mexico implementation date: 07/01/2022
  - Utah implementation date: 07/01/2022
State, Region, & Sector-Specific Program Modifications

- Modifications to our base program requirements are needed in several situations, continuing past practice of having differentiated versions:
  - **CA (SFNH & MFNC):**
    - Code exceeds 2021 IECC and uses a unique state-specific compliance metric.
    - Stakeholder comment period for new version before end of year.
  - **WA (SFNH & MFNC):**
    - Code exceeds 2021 IECC and sets higher bar for gas homes than electric homes.
    - Stakeholder comment period for new version before end of year.
  - **Caribbean (SFNH & MFNC) & Pacific (SFNH):**
    - Due to unique climate & building practices, region-specific versions have been developed.
    - SFNH is developing a new version for the Pacific in response to new HI code.
  - **Manufactured Homes:**
    - New HUD code has been proposed for comment (via DOE).
    - Developing a new version in response.
Program Roadmap Preview
Three New Initiatives

Elliot Seibert
Implementation Manager
ENERGY STAR Single-Family New Homes
RaterPRO Retirement

• RaterPRO is being retired
• We are working with users for smooth transition
• Open-Source code is available
• EPA remains strong advocate for digital data collection
Three New Initiatives

In early October, we’ll have a stakeholder feedback period on:

2. Definition of Version 3.2 and Version 1.2 for states that adopt the 2021 IECC.
3. Introduction of a new certification, above and beyond the current ENERGY STAR new construction programs, encompassing five forward-looking features.
# 1

National Transition to Version 3.1 and Version 1.1

(SFNH v3.1 & MFNC v1.1)
Modern code evolution

Approximate Energy Rating Index (ERI)

- 2006 IECC
- 2009 IECC
- ENERGY STAR v3.0
- 2012/15/18 IECC
- ENERGY STAR v3.1

10%+
Adoption of state energy codes

Source: DOE/EERE https://www.energycodes.gov/status/residential
Version Implemented

25 Version 3.1+ (national or regional), including 4 states with upcoming transition dates defined*

7 Version 3.0 due to home rule

18 Version 3.0 due to code $\leq$ IECC 2009

*Includes GA, UT and NM, for which EPA has already announced a transition to Version 3.1 based on state code updates.
National Transition to Version 3.1 and MFNC v1.1

• **93%** of single-family homes certified as ENERGY STAR between 08/2019 and 08/2020 were already **at or near the v3.1 level**: 

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**Performance Level of All Certified Homes**

- **At v3.1** due to state adoption of v3.1: 61%
- **At v3.1** due to voluntary performance in v3.0 state: 19%
- Near to v3.1 (Within 2 pts): 13%
- Not near to v3.1 (More than 2 pts away): 7%
What are we proposing?

• Transitioning all states still using Version 3.0 to **Version 3.1**.
• For MFNC, similar transition of states using Version 1.0 to **Version 1.1**.
• Transition date of January 1, 2023 (based on permit date).
• Pending stakeholder feedback, final determination anticipated by the end of the year.
# 2

Definition of Version 3.2 and Version 1.2

(SFNH v3.2 & MFNC v1.2)
Modern code evolution

Approximate Energy Rating Index (ERI)

- 2006 IECC
- 2009 IECC
- 2012/15/18 IECC
- 2021 IECC

ENERGY STAR

- v3.0
- v3.1
- v3.2

10%+
Process for developing new Versions

• Performance target determined by defining a ‘Reference Design.’

• Iterative energy modeling used to identify a package of measures that:
  – Generate at least 10% savings
  – Are practical for a builder to incorporate
What are we proposing?

New Versions of the ENERGY STAR program requirements to be implemented in states that adopt the 2021 IECC or equivalent; implementation date one year after enforcement of new state code.

ENERGY STAR Single-Family New Homes – National Version 3.2

• The only differences between National v3.1 and v3.2 are a more stringent ERI target (~50-55) and a new thermal backstop. No other changes.

ENERGY STAR Multifamily New Construction – National Version 1.2

• Again, more stringent ERI target and a new thermal backstop.
• In common spaces for the ERI Path, or in all spaces for the Prescriptive Path, higher efficiencies for central/commercial systems.
• ASHRAE Path performance target based on ASHRAE 90.1-2019.
Introduction of a New Certification Program

Asa Foss
Program Development Manager
Program Vision

To help decarbonize the residential sector, we are proposing to introduce a new whole-house certification program, above and beyond the ENERGY STAR new construction programs, to inspire the industry and demonstrate that it is possible to build the homes we need for tomorrow, today.

- This new program is an opportunity to:
  - Provide recognition for decarbonized homes & the builders that construct them
  - Create a national platform for training, tools, & support for decarbonization in homes
  - Provide state & local policymakers with a national reference for emerging policies
  - Provide a basis for incentives as utilities begin to develop more sophisticated residential demand response programs
  - Offer a new opportunity for builders to demonstrate progress towards their environmental, social, and governance (ESG) goals
Proposed Requirements for the New Certification Program

1. Highly energy-efficient construction (ENERGY STAR v3.2/v1.2)

2. Multi-stage ENERGY STAR certified connected heat pump

3. ENERGY STAR certified connected heat pump water heater

4. Induction cooktop and electric oven

5. Electric vehicle charging capability
<table>
<thead>
<tr>
<th>Home/Building Address</th>
<th>City</th>
<th>State</th>
<th>Permit Date</th>
<th>Must Correct</th>
<th>Rater</th>
<th>N/A</th>
</tr>
</thead>
</table>

1. **ENERGY STAR Certification Baseline**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Must Correct</th>
<th>Rater</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1 Home or building certified under one of the following ENERGY STAR New Construction programs (check box):</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Single Family New Homes (SFNH)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multifamily New Construction (MFNC)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SFNH National Version 3.2</td>
<td>☐</td>
<td>☐</td>
<td>-</td>
</tr>
<tr>
<td>SFNH California Version 3.3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MFNC National Version 1.2</td>
<td>☐</td>
<td>☐</td>
<td>-</td>
</tr>
<tr>
<td>MFNC California Version 1.3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. **Dwelling Unit Space Heating**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Must Correct</th>
<th>Rater</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1 ENERGY STAR certified two-speed or variable-speed heat pump(s) installed and sized in accordance with the HVAC Design Report</td>
<td>☐</td>
<td>☐</td>
<td>-</td>
</tr>
<tr>
<td>2.1.1 Blower fan volumetric airflow, blower fan static pressure, and refrigerant charge are Grade A per ANSI / RESNET / ACCA Std 310</td>
<td>☐</td>
<td>☐</td>
<td>-</td>
</tr>
<tr>
<td>2.1.2 In CZ 7-9, installed heat pumps are ENERGY STAR Cold Climate certified</td>
<td>☐</td>
<td>☐</td>
<td>-</td>
</tr>
<tr>
<td>2.2 Each heat pump meets EPA’s &quot;connected&quot; criteria or is controlled by an ENERGY STAR certified smart thermostat</td>
<td>☐</td>
<td>☐</td>
<td>-</td>
</tr>
</tbody>
</table>

3. **Dwelling Unit Water Heating**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Must Correct</th>
<th>Rater</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1 ENERGY STAR certified heat pump water heater that meets EPA’s &quot;connected&quot; criteria is installed</td>
<td>☐</td>
<td>☐</td>
<td>-</td>
</tr>
<tr>
<td>3.2 Each heat pump water heater is 240 volts, with minimum tank capacity as follows:</td>
<td>☐</td>
<td>☐</td>
<td>-</td>
</tr>
<tr>
<td>Minimum Tank Capacity:</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>3.3 Each heat pump water heater located within occupiable space has a scan rating ≥ 55 9kA</td>
<td>☐</td>
<td>☐</td>
<td>-</td>
</tr>
</tbody>
</table>

4. **Cooking**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Must Correct</th>
<th>Rater</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1 Cooktops and range elements/burners use induction technology, and ovens are electric</td>
<td>☐</td>
<td>☐</td>
<td>-</td>
</tr>
</tbody>
</table>

5. **Electric Vehicle Charging Infrastructure**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Must Correct</th>
<th>Rater</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.1 EV Ready: One parking space is provided per dwelling unit that includes all of the items below.</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>5.1.1 A powered 208/240 receptacle is installed in garage or within 3 feet of driveway or dedicated parking space</td>
<td>☐</td>
<td>☐</td>
<td>-</td>
</tr>
<tr>
<td>5.1.2 The electric service panel includes a 40-amp breaker and panel directory identifies the branch circuit as &quot;Electric vehicle charging&quot;</td>
<td>☐</td>
<td>☐</td>
<td>-</td>
</tr>
<tr>
<td>5.2 EV-Chargers and EV-Capable parking spaces are installed, including all of the items below.</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>5.2.1 EV-Charger: Install (at a minimum) the following number of ENERGY STAR certified EV-Chargers that meet EPA’s &quot;connected&quot; criteria as follows:</td>
<td>☐</td>
<td>☐</td>
<td>-</td>
</tr>
<tr>
<td>Parking Spaces:</td>
<td>1-10 spaces</td>
<td>11-20 spaces</td>
<td>21-30 spaces</td>
</tr>
<tr>
<td>EV Chargers:</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>5.2.2 EV-Capable: Conduit is installed that runs continuously from the electrical panel to a junction box that terminates within 3 feet of at least 50% of the development’s parking spaces</td>
<td>☐</td>
<td>☐</td>
<td>-</td>
</tr>
</tbody>
</table>

**Rater Name:**

**Rater Inspection Date:**

**Rater Initials:**
Next Steps and Timeline

- Stakeholder feedback
- Final specification release (Expected: Q1 2022)
- Full deployment (Expected: January 1, 2023)
  - Branding
  - Supplemental Materials
  - Training
Upcoming Partner Meeting Webinar Series Sessions

• **ENERGY STAR Marketing & Communications**
  Thursday, September 23, 2021

• **Raising the Bar: Advancing the Versions of ENERGY STAR Residential New Construction**
  Monday, September 27, 2021

• **ENERGY STAR: The Decade Ahead Starts Now**
  Wednesday, September 29, 2021

• **A New Day for Building ENERGY STAR**
  Thursday, September 30, 2021

• **Office Hours**
  Tuesday, October 5, 2021

• **DOE Zero Energy Ready Homes and the Year Ahead**
  Thursday, October 7, 2021 (DOE presenting)
Q&A