EO 20-04 Implementation: Energy Code Stakeholders

Facilitator: Roger Kainu
March 25, 2021
1:30-3:00pm
<table>
<thead>
<tr>
<th>Topic</th>
<th>Lead</th>
<th>Action</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intro</td>
<td>ODOE staff</td>
<td>Share meeting description</td>
<td>1 min</td>
</tr>
<tr>
<td>Residential Reach Code Update</td>
<td>BCD/ODOE staff</td>
<td>Latest news on Reach Code development</td>
<td>10 min</td>
</tr>
<tr>
<td>Q/A</td>
<td>All</td>
<td>Question and answer time</td>
<td>5 min</td>
</tr>
<tr>
<td>Home Sizing Breakout Group Update</td>
<td>BCD/ODOE staff</td>
<td>BCD providing update on home size levels in code</td>
<td>10 min</td>
</tr>
<tr>
<td>Q/A</td>
<td>All</td>
<td>Question and answer time</td>
<td>5 min</td>
</tr>
<tr>
<td>Training, Training, Training</td>
<td>BCD/ODOE staff</td>
<td>Update on upcoming code training</td>
<td>10 min</td>
</tr>
<tr>
<td>Q/A</td>
<td>All</td>
<td>Question and answer time</td>
<td>5 min</td>
</tr>
<tr>
<td>Wrap-up</td>
<td>ODOE staff</td>
<td>Determine action steps and announce next meeting – June 15th</td>
<td>5 min</td>
</tr>
</tbody>
</table>
Residential Reach Code

- Update on latest progress with Reach Code
  - Past Reach Code
  - Current Executive Order requirements
  - Where are we in the process of Reach Code implementation
House Sizing for Residential energy Code

• Why develop house sizing structure in residential code

• How size standards can work

• Need for a work group
Energy Code Training Opportunities

• Building officials

• Industry trades

• Builder Associations
About us

- Independent nonprofit
- Providing access to affordable energy
- Generating homegrown, renewable power
- Serving 1.6 million customers of Portland General Electric, Pacific Power, NW Natural, Cascade Natural Gas and Avista
- Building a stronger Oregon and SW Washington
### EPS NEW CONSTRUCTION

#### 2015–2020 Homes Data Set

**OVERVIEW**

**EPS New Construction**

Energy Trust of Oregon’s EPS New Construction offering from the Residential program spotlights the benefits of newly built energy-efficient homes. Energy Trust trade ally verifiers develop an energy simulation model for each home in REMRate™ following Standard Modeling Protocol Guidelines and additional EPS amendments. Each EPS home receives third-party verification to ensure quality construction and data integrity.

EPS homes employ advanced building features that improve their energy efficiency relative to code-built homes. These features may include:

- High-performance windows and insulation
- Efficient water heating
- Advanced air sealing
- Tightly sealed ductwork
- High-efficiency HVAC equipment

**EPS Homes Data Set**

Energy Trust is releasing a data set to help industry experts and the public understand the types of upgrades program participants made, as well as the performance levels they achieved in above-code residential new construction in Oregon. The data set represents homes built in Oregon between 2015 and 2018 that were modeled against a 2016 Oregon Residential Speciality Code (ORSC) baseline, as well as homes built in 2019 that were modeled against the 2017 ORSC baseline.

### EPS Offering Cycle | Number of Homes | Model Baseline
---|---|---
2015 | 2,294 | 2014 ORSC
2016 | 3,035 | 2014 ORSC
2017 | 3,660 | 2014 ORSC
2018 | 1,088 | 2014 ORSC
2018 | 1,079 | 2017 ORSC
2019 | 2,942 | 2017 ORSC
2020 | 620 | 2017 ORSC
2020 | 2,568 | 2017 ORSC*
| **17,286** | **TOTAL** |

Average ACH

![Graph showing the average ACH@50 Pascals over the years 2015 to 2020. The values are as follows:
- 2015: 3.16
- 2016: 3.24
- 2017: 3.13
- 2018: 3.01
- 2019: 2.93
- 2020: 2.90
]
Thank you

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503.773.8665
• Recording will be available
• Action items identified and distributed
• Next meeting date 6/15/2021
• Any questions, please send to: Roger.Kainu@Oregon.Gov

• Meeting materials:

• BCD:
  https://www.oregon.gov/bcd/Pages/index.aspx