

HPXML Working Group Notes

December 5, 2017

1. New Meeting format – one of the recommendations we received from the survey was to expand the meeting by a half hour to leave additional time for those who want to get in the weeds on technical issues related to HPXML development. So in the first part of the meeting, we will cover general announcements and updates, and in the latter part of the meeting, we will cover schema updates.

2. HPC 2018 National Home Performance Conference

Registration is now open. Agenda will be posted in December.

There are a lot of sessions focused on the importance of data for the future of home energy efficiency, so I wanted to better promote these sessions for those that are interested in this subject. HPC will circulate a flyer with a list of sessions related to this topic.

HPC will also be expanding the Smart Home/Technology Happy Hour that is hosted on the first day of the conference to include a broader range of software and technologies that are making advances in the industry. Software companies will have 1-3 minutes to make a pitch to the audience. I'll be reaching out individually to software in this group with more information.

3. HPXML work plan for 2018

Posted workplan on Groups.io to promote transparency. This represents HPC work on HPXML (doesn't include work that Noel may be doing). Feel free to look at this if interested. The key activities next year include:

- Develop and launch a comprehensive outreach campaign to educate regulators, utilities, software, and other stakeholders on the value of data standardization;
- Expand the use of BPI-2101, a nationally recognized protocol that creates a bridge between the energy efficiency and real estate industries;
- Standardize how measures (e.g., HVAC systems, attic insulation) are defined across residential energy efficiency programs to promote the consistent implementation of HPXML;
- Establish regular updates for the standard to ensure issues are resolved quickly, and HPXML remains responsive to industry needs; and
- Ensure HPXML remains coordinated with other data standards, including the DOE's Building Energy Data Exchange Specification (BEDES), the Real Estate Standards Organization's (RESO) Data Dictionary, and the Appraisal Institute's Residential Green and Energy Efficient Addendum (AI Addendum).

4. Data Standards Roadmap

HPC and the DOE will host a webinar in January that introduces stakeholders to the key findings in the roadmap and the priorities for HPXML development over the next two years.

5. Update on BPI-2101

The working group is in the process of updating BPI-2101, which contains a subset of HPXML data elements that describe a home energy upgrade for transfer to the real estate and appraisal industries. We are currently mapping HPXML elements to RESO data dictionary and the Appraisal Institute's Residential Green and Energy Efficient Addendum. The updated standard should be published early next year. HPC hopes to pilot the standard in 2018 as part of NEEP's HELIX rollout.

6. Update on Energy Rating Index

NREL is in the process of developing open source implementation of ERI which would consume an HPXML file. They are also working with RESNET as part of a task force to create a common schema for HPXML for creating a HERS rating and has been adding new elements to meet raters' needs.

7. Attics proposal <https://github.com/hpxmlwg/hpxml/issues?q=is%3Aissue+is%3Aopen>

Needs further deliberation.

Meeting attendees agreed to develop a timeline for having a list of schema changes that would be incorporated in HPXML v.3.0 by April 24th – the in person meeting at HPC National in Philadelphia. We will circulate that timeline shortly.

8. Other outstanding issues <https://github.com/hpxmlwg/hpxml/issues?q=is%3Aissue+is%3Aopen> and pull requests <https://github.com/hpxmlwg/hpxml/pulls>

Noel will put out a poll request shortly to add support for the new UEF water heater efficiency specification. This change will be released as a patch release to accommodate the urgency of the change.

9. Block chain application to HPXML

Jason Dispenza (Edge Energy) will convene a call to discuss block chain and its application to HPXML. Announcement of the call will go out shortly.

10. Next Meeting

April 24th – in person meeting at HPC National Conference (phone will be provided for those unable to attend in person)