Remote Assessment and Quality Assurance Research – Home Energy Score

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Earth Advantage - HES Quality Assurance, Training and Mentoring

- EA supports Home Energy Score Programs in OR and NY
- Currently using Remote Quality Assurance Systems

Assessor Fills out QA form with mobile device and then scores home in HES

Remote QA Packet with photos sent automatically to QA Team

QA Team randomly selects 5% of Remote QA Packets to rescore home in HES and run comparison

Examples of Remote QA Data and Photo Upload

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[Images of a smartphone screen showing a HES Remote QA Form and an app interface for photo upload.]
Home Energy Score Remote Systems Research

- Remote QA and Remote Assessment Tests
- Solving issues with accessing homes
- Testing additional Remote Applications
- Identify cost savings and time reducing strategies

Pacific Northwest National Laboratory
HES Remote Assessment and QA Research

- Develop methodology
- Utilize relationships with current HES Partnerships
- Evaluate software applications
- Test Live stream video applications
- Test on various house configurations and scenarios
- Compare remote data to onsite assessment
- Document results and feedback
- Develop Remote Assessment Guidelines
Livestream Applications

Examples of Live Stream Photo Capture
Considerations for Remote Assessment

- What data can be gathered online?
- How much data can be collected remotely?
- Prepping homeowner and Assessor
- Geographical location
- Homeowner demographics
- Application or device issues
- House configuration complexity
- Homeowner or Assessor challenges
- Low light scenarios
HES Remote Assessment and QA Research

- Developing methodology with PNNL
- Identify HES Assessors
- Conduct 30 Remote Assessment Sessions
- Conduct 10 Remote QA Sessions
- Record Session Data and Feedback
- Conduct data analysis
- Conduct Comparison of live stream session to Current QA Process
Research Outcomes

- How accurate is the Remote Assessment approach?
- Do live stream applications work in place of photo upload?
- Identify barriers and limitations
- Identify key application features
- Establish baseline criteria
- Provide Summary Report and make recommendations
Thank You

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