Home Energy Information Accelerator: 
*First Orbit around the Sun*
Laura Stukel
Elevate Energy
Special Projects Consultant, Real Estate
Laura.Stukel@ElevateEnergy.org
Five Years Ago…

**Value for Green Homes**

1. Green Builder or Contractor and Homeowner
2. Green MLS Listing Agent Buy’s Agent
3. Lender
4. Appraiser
5. Underwriting
6. Fair Value at Closing

Documentation is key:
- Green building certificate
- Performance test results
- Local green disclosure form
- 12 month utility usage
One Year Ago...
29 Diverse Partners

• 9 Trade Organizations
• 5 Efficiency Programs
• 5 MLSs
• 4 Real Estate Aggregators
• 3 State and Regional Efficiency Organizations
• 2 Standards Organizations
RESO Contributions To Date

• Home Energy Day
• PlugFest
• RESO/BEDES Mapping
• Green Button Alliance/RESO reciprocal memberships
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>2015</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>2016</td>
<td>Step 2. Data Privacy/Security Plan</td>
<td></td>
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<tr>
<td>2017</td>
<td>Step 3. Develop IT Plan</td>
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<tr>
<td>2018</td>
<td>Step 4. Develop, test, implement</td>
<td></td>
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<td>Step 5. Measure impact</td>
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# What We’ve Learned

## Lessons
- Real estate technology space is very established
- Real estate doesn’t need our minutia
- Nail the handshake
- Make auto-pop easy

## Implications
- Use their dictionary; use their standards
- Boil it down to one bit of data that tells a bigger story
- RESO is an API-focused world
- Consider direct to MLS, to tax aggregator, etc.
- Lob it in so partners can catch it
<table>
<thead>
<tr>
<th>Data Status</th>
<th>Type Data</th>
<th>Integration Point</th>
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</thead>
<tbody>
<tr>
<td>Public</td>
<td>Solar (static characteristics)</td>
<td>Permit aggregators</td>
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<tr>
<td></td>
<td>Condo buildings</td>
<td>Energy Star Portfolio Manager GBIG API</td>
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<tr>
<td>Private – Consent Confirmed</td>
<td>LEED for Homes</td>
<td>GBIG API</td>
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<td></td>
<td>Utility Data</td>
<td>Connect My Data API</td>
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<tr>
<td>Private – Consent TBD</td>
<td>Home Energy Score, Energy Star New Homes, etc.</td>
<td>TBD</td>
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HEIA Pilot Success Factors

1 - Education/Stakeholder Strategy
2 - Business Model
3 - Consent Policy
4 - Data Security Policy
5 - Repository/Data Flow
6 - API (RESO format)
7 - Data Validation Process
8 - Trial Project
## Path to Progress

<table>
<thead>
<tr>
<th>Success Factors</th>
<th>Public</th>
<th>Private Consent Confirmed</th>
<th>Private Consent TBD</th>
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<tr>
<td>1 - Education/ Stakeholders</td>
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<td>2 - Business Model</td>
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Coming Next

• Home Energy Information Guide for MLSs
  – RESO
  – Council of MLSs
  – CRTLabs
  – Based on Home Energy Day feedback in Austin

• 2016-2017: Projects

• 2017-2018: Best Practices
Monitoring

- Automated Energy Models (AEMs)
THANK YOU RESO!

Laura Stukel
Elevate Energy
Special Projects Consultant, Real Estate
Laura.Stukel@ElevateEnergy.org
773/251-1631