# Home Energy Information Accelerator:

*First Orbit around the Sun*

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RESO

# Five Years Ago…



## Value for Green Homes

| 1 Green Builder or Contractor and Homeowner | 2 Green MLS Listing Agent Buyer'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

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# One Year Ago…

# 29 Diverse Partners

- 9 Trade Organizations
- 5 Efficiency Programs
- 5 MLSs
- 4 Real Estate Aggregators
- 3 State and Regional Efficiency Organizations
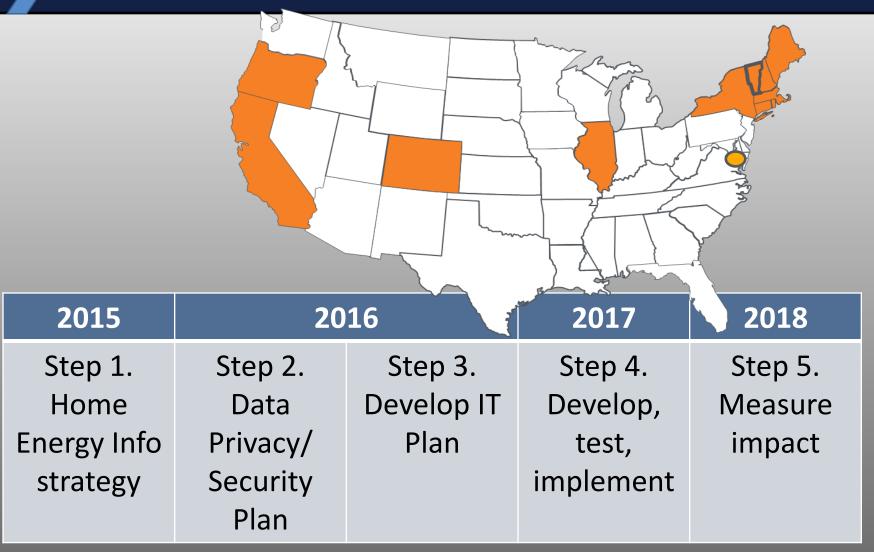- 2 Standards Organizations

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# RESO Contributions To Date

- Home Energy Day

- PlugFest

- RESO/BEDES Mapping

- Green Button Alliance/RESO reciprocal memberships

- Home Energy Info fields – RESO Silver Certification (2018)

# 7 Local Pilot Locations



| 2015 | 2016 | | 2017 | 2018 |
|---|---|---|---|---|
| Step 1. Home Energy Info strategy | Step 2. Data Privacy/ Security Plan | Step 3. Develop IT Plan | Step 4. Develop, test, implement | Step 5. Measure impact |

# 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

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# Show Me the Data!

| Data Status | Type Data | Integration Point |
|---|---|---|
| Public | Solar (static characteristics) | Permit aggregators |
| | Condo buildings | Energy Star Portfolio Manager GBIG API |
| Private – Consent Confirmed | LEED for Homes | GBIG API |
| | Utility Data | Connect My Data API |
| Private – Consent TBD | Home Energy Score, Energy Star New Homes, etc. | TBD |

# Path to Progress

**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

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# Path to Progress

| Success Factors | Public | Private Consent Confirmed | Private Consent TBD |
|---|---|---|---|
| 1 - Education/ Stakeholders | | | |
| 2 - Business Model | | | |
| 3 - Consent Policy | | ✓ | |
| 4 - Data Security Policy | | | |
| 5 - Repository/Data Flow | | ✓ | |
| 6 - API | | ✓ | |
| 7 - Data Validation | | | |
| 8 - Trial Project | | | |

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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!

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