All Roads Point to Home: Where Residential Energy and Real Estate Meet

Thursday, August 23\textsuperscript{rd}
10:30 AM – 12:00 PM
Panelists:

- Pamela Brookstein, Elevate Energy
- Wendy Koelfgen, City of Portland, OR
- Meg Garabrant, New England Real Estate Network
All Roads Point to Home

August 2018
Better Buildings Summit
Energy Information in the Real Estate Transaction
Why Engage Real Estate: Center of the Transaction

- **Buyers**
  - Nearly all (87%) use a real estate agent.

- **Sellers**
  - All-time high (89%) used a real estate agent.

- From NAR’s 2017 Profile of Home Buyers and Sellers
Buyer Side: Informed Decisions
US Department of Energy Better Buildings Accelerator

- Goals
- Partners
- Outcomes
How? Cross Industry Collaboration

Real Estate Industry

Energy Efficiency

©2018 Elevate Energy
Home Energy Information Accelerator Tool Kit

- Define and Consolidate Data
- Integrate Real Estate
- Grow the Inventory

https://betterbuildingssolutioncenter.energy.gov/accelerators/home-energy-information
One Stop Shop

Better Buildings
Home Energy Efficiency for Real Estate Professionals

Appraised Value and Energy Efficiency: Getting it Right

While location, design, and price are a home buyer’s main considerations, surveys show that buyers value energy-saving features and equipment (e.g., air and duct sealing, insulation, and high-efficiency heating, ventilation, and air conditioning equipment) as desirable features for which buyers are willing to pay more. The home may also have an addition built to the 2012 or 2015 International Energy Conservation Code (2012 IECC or 2015 IECC), which would make the addition between 15 and 16 percent more efficient than if built to previous codes.

However, energy efficiency may be overlooked in the appraisal process for a variety of reasons, including a lack of access to quality data, underwriting impediments, and appraiser qualifications. Many appraisers may not be aware of the unique features of an energy efficient home.

To ensure that a home’s green and/or energy efficient features and equipment are taken into account during an appraisal, it is important to make sure the home’s energy efficiency features documentation is completed through a program such as the Home Performance with ENERGY STAR® program or as part of the generation of a recognized

Home Energy Information Guide
Taking Verified Data Through The MLS To The Consumer

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Tool Kit Audience

- Government (State & Local)
- Energy Efficiency Advocates
- Mortgage Institutions

Engage real estate professionals, MLSs, appraisers; home buyers, sellers, owners
1987 Chicago Ordinance
- Disclose of gas bills when residential properties were sold or leased
- Compliance through utility
- Consumer protection

2013 Ordinance Update
- Disclose gas \textit{and} electric
- Compliance through utility \textit{or} MLS

Energy eCompliance
- Automatically populate MLS listing with utility costs
Utility Costs: Elec. - $1162.18/yr, $96.85/mo; Gas - $1475.73/yr, $122.98/mo.
Energy Report

Understanding Your Home’s Energy Use

Natural Gas Use
Your Home = 1,308 therms

Cost
You spend $1,406 per year on gas—primarily for heating your home. Gas = 79% of your energy budget.

Electricity Use
Your Home = 3,674 kWh

Cost
You spend $357 per year on electricity. Electricity = 21% of your energy budget.

Total Energy Use
Your Home = $1,666

Want to learn more about reducing energy at home? Visit MyHomeED.org for detailed recommendations and resources.
Survey to connectMLS Members

What do connectMLS users think of Energy eCompliance?
The Disconnect

- 76% - Fields available that display residential energy costs
- 60% - The fields, when used correctly, *automatically populate* with energy cost data
Why Use Energy eCompliance

- Compliance
- Buyers ask for the information
“The Energy Disclosure Fields are very helpful. This was a VERY GOOD innovation.”

“It is here to stay. We need to be ahead of it to help our clients.”
Increasing Usage

- Education Materials
- Outreach **with** MRED
- Point of use changes

https://www.elevateenergy.org/value-high-performance-homes-campaign/energy-ecompliance/
City of Portland Home Energy Score
Better Buildings Summit 2018
All Roads Point to Home

Wendy Koelfgen
Portland Bureau of Planning and Sustainability
Real Estate Industry | Energy Efficiency

THE HEAT
IN THEATERS JUNE 28
Goooaaaaaalllll!!!!!!!
Carbon Emissions by Sector
(for Multnomah County, 2014)

- Residential, 19%
- Commercial, 23%
- Industrial, 17%
- Transportation, 40%
- Solid Waste, 1%
Portland Housing Units

**SINGLE-FAMILY**
- 160,250 Total Units

**MULTIFAMILY**
- 107,300 Total Units

- **Owner Occupied**
  - 125,000 Units

- **2+ Unit Rentals**
  - 103,000 Units

- **Rental Unit**
  - 35,250 Units

- **Other**
Climate Action Plan Priority

**Action 1B**

Require **energy performance ratings** for all homes so that owners, tenants and prospective buyers **can make informed decisions** about energy costs and carbon emissions.
Policy Development

• Real estate industry policy cons:
  – Makes housing even less affordable
  – Unfairly impacts low income homeowners with sub-standard homes
  – Pointless without mandatory upgrades
  – Only addresses a small % of houses
  – Punishes those selling older homes or buying fixers
Benefits of a Home Energy Score program

- Sellers can highlight efficiency upgrades
- Sellers are encouraged to make upgrades
- Buyers can make informed decisions regarding costs of operating a home
- Buyers gain access to mortgage lending products with FHA and Fannie Mae
- All of which leads to reduced carbon emissions
How does it work

Information disclosed
• Home energy report and Home Energy Score

Regulated party
• Seller or homebuilder

Time of disclosure
• At or before listing

Recipient of disclosure
• Real-estate listings, prospective buyers at open house
Enter A City of Portland Street Address & Zip Code

Street Address

Portland OR Zip Code

Make sure you include the whole street address (SW, NW, CT, ST, etc.)

SEARCH

About
Green Building Registry™ Data Flow in Portland

- Home Assessment
- HEScore Tool or 3rd Party Software
- HES Database
- Green Building Registry
  - Local Scorecard Generator
  - Database (SEED)
  - Conduit to RMLS
- RMLS
**RMLS Auto-population**

| **Price:** | $0.000 |
| **Beds:** | 2 |
| **Baths:** | 1 |
| **County:** | Multnomah |
| **Style:** | COLONIL / DTCHCOL |
| **Year Built:** | 1924 / REMOD |
| **Status:** | ACT |
| **SQFT:** | 1982 |

**ML#:** 18108125  
**Area:** Portland Northeast  
**Elem School:** Alameda  
**Middle School:** Beaumont  
**High School:** Grant  
**Short Sale Y/N:** NO  
**Bank Owned/REO Y/N:** NO  
**Waterfront:**  
**Body of Water:**  
**Tax/Year:** 30,040.22

**Prop Type:** DETACHD  
**Nbr/Bldg:** ALAMEDA  
**Levels:** 3  
**Garage:** 0  
**Roof:**  
**Exterior Desc:** ALUM  
**MetBdrm Level:** U  
**Fireplaces:**  
**Bsmt/Fnd:** FULLBAS  
**View:**

**Acres:** 0.11  
**Lot Size:** 3K-4.999SF  
**Lot Dim:**  
**Lot Desc:**  
**Heat/Fuel:** FOR-AIR / GAS  
**Cool:** CENTAIR  
**Water/Sewer:** PUBLICWTR / PUBLICSWR  
**Hot Water:** GAS  
**Zoning:**

**REMARKS:** Video/Virtual Tour #1 Video/Virtual Tour #2  
Alameda Dutch Colonial on name brand street awaits! Perched high above the street this classic Dutch Colonial boasts large well proportioned rooms, high ceilings and gorgeous period finishes. Recently updated kitchen includes period appropriate subway tile & wood grain finishes. High ceilings, french doors and the best schools are all here! The incredible deep backyard and private spaces are an additional perk of this truly special home! Home Energy Score: 3.00 HES report at https://api.greenbuildingregistry.com/report/hes/OR10064986-20180719
834 N Webster St
Portland, OR 97217

4 beds · 2 baths · 1,292 sqft

Old PDX style home, in central Humboldt nbhd. Freshly painted w/ inviting front porch. Living room features archways & seating alcove, opens to kitchen w/ eating area, all appliances. Upstairs has loft w/ 4th bedroom. Extra-long driveway to detached garage w/ enough room for RV behind the fence, also a large, fenced backyard. This home is ideally located w/ great commuting options, nearby MAX, easy I-5 access, Walk Score 89, Bike Score 87! [Home Energy Score = 2, HES Report at https://api.greenbuildingregistry.com/report/hes/OR10033598-20180810]
Where’s the report?

Area: Portland West, Raleigh Hills
Elem School: Ainsworth
Middle School: West Sylvan
High School: Lincoln
Short Sale Y/N: NO
Bank Owned/REO Y/N: NO
Fireplaces Y/N: NO
Fireplace: 2 / GAS / WOOD
Exterior: DIRT / PARTIAL / UNFIN
Lot Size: 0.64000
Lot Dim: Irregular
Lot Desc: SLOPED / TERRACES / TREES
Garage: 2 / DETACHED
Roof: COMP
Exterior: CEDAR
Matt: L
Water: PUBLIC WTR / PUBLIC SWR
Hot Water: GAS
Video Tour #1 Video Tour #2

Nested in the treetops of Portland Heights, live/work in this unique hillside oasis that boasts amazing city, mountain & river views. A custom built home w/tough construction & a foundation integrity. Newer roof, AC/ furnace & water heater. Enjoy easy access to downtown or relax & soak up the skyline from the deck & balconies for outdoor entertaining with southern exposure. Art studio/office space w/ a large view window could be converted to ADU. Home Energy Score: 7.00

FEATURES:
Dining Room: FINCH DR / HARDWOOD
Family Room: FIREPL / HARDWOOD / WW-CARP
Kitchen: BI-MICO / BI-OVEN / COOKTOP / DISPOS / GAS APPL / TILE
Interior: HARDWOOD / HIGH CEIL / JET TUB / LAUNDRY / TILE FL / VAULTED / WASHDRY / WOOD FLR / WW-CARP
Exterior: COVER DECK / DECK / GARDEN / FORCH / SHOP
Accessibility:
Green Verification Type: RES
Energy Efficiency Features:
FAQs

• Shelf life?
  – 8 years for onsite assessment.
  – 2 years for energy rates and carbon factors.

• How long will it take to complete a Home Energy Assessment?
  – ~45 minutes in the home.
  – 1-1 ½ hours including data entry.

• What’s the cost?
  – Market-driven, expected range $150-250.
Program Stats

- Authorized Home Energy Assessors: 100+
- Homes scored: 6000+
- Program Compliance: ~55-75%
- Compliance after “enforcement”: 80%
Q1 Program Stats

- Average Base Score: 4.5
- Average Score w/upgrades: 7.2
- Average $ savings: $306
- Average kWh savings: 1609
- Average therm savings: 113
Next Steps for 2018 and beyond

• Improve brand recognition
  – Improve the score appearance in listings
  – Increase marketing

• Improve consistency
  – Within RMLS
  – Across all listing services

• Enforce the requirement
  – Relationship with RMLS
Thank you!
Any questions?

Program Website:
www.pdxhes.com

Email:
HESinfo@portlandoregon.gov

Wendy.koelfgen@portlandoregon.gov
NEREN® MLS

• Serving over 10,000 users
• Primary MLS for all of NH & VT with members in listings in ME and MA
• Ability to service all of New England and NY Border Counties
• Greening the MLS since 2008
• PV Learning Network
• HELIX Advisory Committee
• *PV Resi (cumulative pre-2010). The citation for these data is: Solar Energy Industries Association (SEIA) and GTM Research (GTM) “U.S. Solar Market Insight - 2017 Year in Review
• Energy Star 2009 represents cumulative certifications up to 2009
• Homeowners, buyers and renters want to live in homes that are comfortable, safe, and affordable
• Listing home energy information in a standardized way is a first step to better data supporting properties
• Verified energy information elevates homebuyer confidence

(Results from NAR Research, including REALTORS® & Sustainability Report, Home Buyers and Seller Report, Generational Trends Report)
2018 NAR Strategic Priorities

Take the management of real estate data to the next level
- Competition and the demand for more data and analysis is forcing the management of real estate data to evolve
- We must look at all the options – changing the business model, partnering, consolidating, etc.
- Continue to educate the REALTOR® on how to interpret and communicate the data to strengthen the value proposition of the REALTOR® with consumers

Ensure the role of the REALTOR® is essential to the consumer
- Consumers need a trusted advisor even as technology gives them access to more information
- REALTORS® must be relevant before, during and after the transaction

Define measurable increases in professionalism
- Define what can be measured in increasing professionalism
- Further separate the REALTOR® from the real estate license in the consumer’s mind
- Recognize those who seek out education and get involved in the industry

Increase influence in an uncertain legislative, regulatory and political environment
- Get more members to understand the connection between getting involved in advocacy and sustaining their business
- Further tap the power of the consumer in advocacy efforts
- Start influencing other issues that impact real estate, like areas like technology
- Partner more with other organizations to broaden influence
- Continue our pursuit of increasing homeownership percentages, preserving the tax incentives on real estate and preserving the federal guarantee on mortgages

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Overarching concerns that exist are the ongoing struggle with governance and the sustainability of the association, real estate and our communities.
• 600+ MLSs have Data Dictionary Certification
• 520+ MLSs are certified at Silver or higher
  • Green fields are part of Silver certification
  • No requirement to have Green fields to obtain certification
• Top 100 MLSs in size have at least some of the green fields
These can be found at:
https://www.councilofmls.org/research

- Green Data Best Practices
- Green Sheet: Automated Efficiency Models (AVM)
- Green Sheet: Solar Power Fields
- Quick Start: Guide to Green MLS Fields
- Home Energy Information Guide
GREEN DATA
BEST PRACTICES
CMLS BEST PRACTICES GUIDE FOR THE MLS

Nine Existing Fields and Lookup Values

Appliances
- ENERGY STAR Qualified Appliances
- ENERGY STAR Qualified Dishwasher
- ENERGY STAR Qualified Dryer
- ENERGY STAR Qualified Freezer
- ENERGY STAR Qualified Refrigerator
- ENERGY STAR Qualified Washer
- ENERGY STAR Qualified Water Heater
- Instant Hot Water
- Solar Hot Water
- Water Heaters
- Water Purifiers
- Water Softeners
- Water Softifier Detergent

Construction Materials
- AISI/Crawl Hatchways Insulated
- Bath Insulation
- Blown-In Insulation
- Cement Board
- Ducts Professionally Air Sealed
- Exterior Duct Work is Insulated
- Fused Link Transformers
- ICAT Recirculating Lighting
- ICF Insulated Concrete Forms
- Low VOC Insulation
- Radiant Barrier
- Radiant Earth
- Recycled Film Based Insulation
- Spray Foam Insulation
- Thurlok Wall

Cooling
- Air Conditioner
- Ceiling Fans
- Ductless (Sizing: ductless mini-split)
- ENERGY STAR Qualified Equipment
- Geothermal (Sizing: ground source heat pump or water source heat pump)
- Heat Pump (Sizing: air source heat pump)
- Heat Recovery Control
- Whole House Fan
- Zoned

Current Financing
- Centralized Renovation
- Property Assessed Green Energy
- Property Purchase Agreement

Double Glazing
- ENERGY STAR Qualified Doors
- Storm Doors

Electric
- Energy Storage Device
- Hot Water
- Photovoltaics (Solar Panel)
- Photovoltaics (Third-Party Owned)
- Photovoltaics (Self-Owned)
- Photovoltaics (Self-Owned)
- Photovoltaics (Third-Party Owned)

Heating
- Ductless (Sizing: ductless mini-split)
- ENERGY STAR Qualified Equipment
- ENERGY STAR or ACCA RD Qualified Installation
- Geothermal (Sizing: ground source heat pump or water source heat pump)
- Heat Pump (Sizing: air source heat pump)
- Humidity Control
- Radiant Floor Heating
- Solar Heat Baseload
- Zoned

Other Equipment
- Air Purifiers
- Dehumidifiers
- Irrigation Equipment
- Weatherstripping

Wiring
- ENERGY STAR Qualified Windows
- Insulated Windows
- Low Emissivity Windows
- Plantation Shutters
- Screens
- Shutters
- Skylights
- Solar Screens
- Storm Windows
- Triple Pane Windows
NEREN® MLS Adoption Process

2009
- Field Evaluation
- Task Force
- Industry Review
- Added 15 Building Certifications & Field Selections

2010
- Added HERS Index Score to MLS, Data feeds, Public-facing website neren.com
- Cleaned up Building Certifications
- HERS Database (VT) added to MLS Software

2015/2016
- Task Force
- Industry Review
- Data Standards (RESO)
- Added RESO Green Fields, Solar PV, 70+ new Field Selections
NEREN® MLS Adoption Process

2017
- Added Power Production Fields
- Added Green Marketing Fields
- Created new ‘buckets’ in Listing Maintenance (better organize fields)
- Oct 3 – Launched PV Auto-Population Pilot program (VT data)

2018
Plans:
- Launch PV Auto-population with MA data (nearly 70k records)
- Beta test HELIX (Home Energy Label Information Exchange)
### Green Mktg & 3rd Party Ver.

#### Green Energy Efficient:

<table>
<thead>
<tr>
<th>Appliances</th>
<th>Exposure/Shade</th>
<th>Insulation</th>
<th>Thermostat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Constructions</td>
<td>HVAC</td>
<td>Lighting</td>
<td>Water heater</td>
</tr>
<tr>
<td>Doors</td>
<td>Incentives</td>
<td>Roof</td>
<td>Windows</td>
</tr>
</tbody>
</table>

#### Green Energy Generation: Solar / Wind

#### Green Indoor Air Quality: Contaminant Control / Integrated Pest Management / Moisture Control / Ventilation

#### Green H2O (Water) Sustainability:

<table>
<thead>
<tr>
<th>Conserving Methods</th>
<th>Recyclable Materials</th>
<th>Renewable Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Onsite Recycling Center</td>
<td>Regionally-Sourced Materials</td>
<td>Salvaged Materials</td>
</tr>
</tbody>
</table>

#### Green H2O (Water) Conservation:

<table>
<thead>
<tr>
<th>Gray Water System</th>
<th>Low-Flow Fixtures</th>
<th>Water-Smart Landscaping</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green Infrastructure</td>
<td>Water Recycling</td>
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</tbody>
</table>

#### Green Verification Program (3 sets, if needed):

<table>
<thead>
<tr>
<th>Blower Door Test</th>
<th>Indoor airPLUS</th>
<th>Passive House (PHIUS+)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENERGY STAR Certified Homes</td>
<td>LEED for Homes</td>
<td>Residential New Construction Svcs</td>
</tr>
<tr>
<td>EnerPhit</td>
<td>NGBS New Construction</td>
<td>Vermont Home Energy Profile</td>
</tr>
<tr>
<td>HERS</td>
<td>NGBS Small Project Remodel</td>
<td>WaterSense</td>
</tr>
<tr>
<td>Home Energy Score</td>
<td>NGBS Whole-Home Remodel</td>
<td>Zero Energy Ready Home (DOE Challenge Home)</td>
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<tr>
<td>Home Performance with ENERGY STAR</td>
<td>OTHER</td>
<td></td>
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</tbody>
</table>
## Power Production

<table>
<thead>
<tr>
<th>Power Production Type (2 sets, if needed): Photovoltaics / Wind</th>
<th>Mount Location: Ground / Roof</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mount Type: Fixed Rack / Pole / Tracker</td>
<td>Power Production Size: __________</td>
</tr>
<tr>
<td>Power Production Annual: __________</td>
<td>Power Production Annual Status: Actual / Estimated / Partially Estimated</td>
</tr>
<tr>
<td>Power Production Year Install: __________</td>
<td></td>
</tr>
<tr>
<td>Power Production Verification Source:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Administrator</th>
<th>Contractor / Installer</th>
<th>Program Sponsor</th>
<th>See Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessor</td>
<td>Other</td>
<td>Program Verifier</td>
<td></td>
</tr>
<tr>
<td>Builder</td>
<td>Owner</td>
<td>Public Records</td>
<td></td>
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<tr>
<td>LISTING</td>
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<tr>
<td><strong>Green Mkdg &amp; 3rd Party Ver.</strong></td>
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<td>Lot</td>
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<tr>
<td>Rooms</td>
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<td>Services</td>
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<tr>
<td><strong>Power Production</strong></td>
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<tr>
<td>Compensation</td>
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<tr>
<td>Remarks/Disclosures</td>
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<td></td>
</tr>
<tr>
<td>Occupant/Showing Information</td>
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</tr>
</tbody>
</table>
- **Appliances**: Energy Star options
- **Construction**: Earth Berm, Insulated Concrete Forms, etc.
  - **Equipment**: Energy Recovery Ventilator Unit, Indoor Air PLUS pkg, Irrigation-Rain Barrels
- **Interior Features**: Energy rated options
- **Exterior Features**: Energy rated options
- **Heating**: Programmable Thermostat, Passive Solar, etc.
### EL-Electric Features

- EL12 - Energy Storage Device
- EL13 - Fuses
- EL14 - Generator
- EL15 - Generator Ready
- EL16 - Net Meter
- EL17 - None
- EL18 - Off Grid
- EL19 - Off Peak
- EL20 - On Adjacent Property
- EL21 - On-Site
- EL22 - Other
- EL23 - Pre-Wired for Renewables
- EL24 - Ready for Renewables
- EL28 - Solar PV Seller Owned
- EL29 - Solar PV Third-Party Owner
- EL30 - Underground
- EL31 - Wind Turbine Seller Owned
- EL32 - Wind Turbine Third-Party

### FK-Financing-Current Features

- FK1 - Assumable
- FK2 - Contract
- FK3 - Conventional
- FK4 - FHA
- FK5 - FHA 203(b)
- FK6 - FHA 203(k)
- FK7 - Leased Renewables
- FK8 - NHHFA
- FK9 - None
- FK10 - Other
- FK11 - Power Purchase Agreement
- FK12 - Private
- FK13 - Prop-Assessed CleanEnergy
- FK14 - Rural Development
- FK15 - USDA
- FK16 - VA
- FK17 - VTHFA
<table>
<thead>
<tr>
<th>SPAN#</th>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Zip Code</th>
<th>County</th>
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</thead>
<tbody>
<tr>
<td>1631-HV163S</td>
<td>1635 Hillview Rd</td>
<td>Richmond</td>
<td>VT</td>
<td>05477</td>
<td>Chittenden</td>
</tr>
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**Vermont Tax Report**

<table>
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<tr>
<th>Tax &amp; Legal Info</th>
<th>Vermont Tax Report</th>
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<tbody>
<tr>
<td>SPAN#</td>
<td>(1631-HV163S)</td>
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<tr>
<td>Annual Tax</td>
<td>0</td>
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<tr>
<td>Total Assessment</td>
<td>400600</td>
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<tr>
<td>Legal Description</td>
<td>DMEL</td>
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<tr>
<td>Tax Year</td>
<td>0</td>
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<tr>
<td>Assessment Year</td>
<td>2015</td>
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<tr>
<td>Zoning</td>
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**Address Info**

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<tr>
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<tbody>
<tr>
<td>Address</td>
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<tr>
<td>City</td>
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<tr>
<td>Zip Code</td>
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<tr>
<td>County</td>
</tr>
<tr>
<td>Condo Unit #</td>
</tr>
<tr>
<td>State</td>
</tr>
<tr>
<td>Zip Plus 4</td>
</tr>
<tr>
<td>Subdivision</td>
</tr>
</tbody>
</table>

**Property Characteristics**

<table>
<thead>
<tr>
<th>Full Baths</th>
<th>Half Baths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baths</td>
<td>Bedrooms</td>
</tr>
<tr>
<td>Fireplaces</td>
<td>Stories</td>
</tr>
<tr>
<td>Building SqFt</td>
<td>Year Built</td>
</tr>
<tr>
<td>Lot Size</td>
<td>Lot SqFt</td>
</tr>
<tr>
<td>Acreage</td>
<td>Number of Buildings</td>
</tr>
<tr>
<td>Number of Units</td>
<td></td>
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<tr>
<td>10.60</td>
<td></td>
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<tr>
<td>0</td>
<td></td>
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**Power Production**

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Mount Location</td>
</tr>
<tr>
<td>Power Production Size</td>
</tr>
<tr>
<td>Power Production</td>
</tr>
<tr>
<td>Mount Type</td>
</tr>
<tr>
<td>Power Production Annual</td>
</tr>
<tr>
<td>Power Production Type</td>
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</table>
Customize Search Templates

- **Power Production** - if looking for presence of Photovoltaics or wind
- **Third Party Verifications** - if looking for a specific building certification, or check them all for presence of. Be sure to search all 3!
- **Features Fields search**

Customize Spreadsheet View

- **Power Production**
- **Third Party Verifications** - if looking for a specific building certification, or check them all for presence of. Be sure to add all 3!
NEREN® MLS Search - Any Property Class

Available Fields:
- Green Verification Body
- Green Verification Metric
- Green Verification New Construction
- Green Verification Rating
- Green Verification Source
- Green Verification Source 2
- Green Verification Source 3
- Green Verification Status
- Green Verification URL
- Green Verification Year
- Green Verification Body 2
- Green Verification Body 3

Selected Fields:
- Lot Size Acres
- Basement
- Features
- Development / Subdivision
- Condo Name
- Mobile Park Name
- Listing Service
- Foreclosed/Bank-Owned/REO
- Short Sale
- Foreclosure

Seasonal:
- No
- Unknown
- Yes

Power Production Type:
- Photovolta
- Wind

Green Verification Program:
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<tr>
<th>County</th>
<th>Date - MLS List</th>
<th>Price</th>
<th>Power Production</th>
<th>Green Verification</th>
<th>Green Verification P</th>
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<tbody>
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<td>6/2/2017</td>
<td>$5,000</td>
<td>Photovoltaics</td>
<td>Blower Door Test</td>
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**Green Verification Program**: OTHER  
**Green Verification Body**: Passive House Institute Quality Approved  
**Green Verification Status**: Preliminary  
**Green Verification Year**: 2016  
**Green Verification Rating**: Vermont High Performance Home  
**Green Verification Metric**: 99.9%  
**Green Verification Source**: Contractor/Installer  
**Green Verification New Construction**: No  
**Green Verification URL**: www.0213456789@green.com  
**Green Verification Program 2**: LEED for Homes  
**Green Verification Body 2**: DOE  
**Green Verification Status 2**: Official  
**Green Verification Year 2**: 2017  
**Green Verification Rating 2**: Certified  
**Green Verification Metric 2**: 99.9%  
**Green Verification Source 2**: Program Sponsor  
**Green Verification NewCon 2**: Yes  
**Green Verification URL 2**: www.0213456789@green.com  
**Green Verification Program 3**: ENERGY STAR Certified Homes  
**Green Verification Body 3**: EPA  
**Green Verification Status 3**: Preliminary  
**Green Verification Year 3**: 2015  
**Green Verification Rating 3**: Vermont High Performance Home  
**Green Verification Metric 3**: 99.9%  
**Green Verification Source 3**: Yes  
**Green Verification NewCon 3**: No  
**Green Verification URL 3**: www.0213456789@green.com  

**Power Production Type**: Photovoltaics  
**Mount Location**: Roof  
**Mount Type**: Ground  
**Power Production Size**: 123.56  
**Power Production Annual**: 123.56000000  
**Power Production Annual Status**: Partially Estimated  
**Power Production Year Install**: 2019  
**Power Production Verification Source**: Builder  
**Power Production Type 2**: Wind  
**Mount Location 2**: Ground  
**Mount Type 2**: Pole  
**Power Production Size 2**: 123.56  
**Power Production Annual 2**: 123.56000000  
**Power Production Annual Status 2**: Estimated  
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**Power Production Verification Source 2**: Contractor/Installer
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• MLS System Notices – New Fields
• Newsletter – Latest MLS Software Enhancements
• Blog – Archive
• Live (Classroom) Training / Member meetings
• Online Webinar – Specific to Green fields
• YouTube – Recorded Webinar/Tutorials (on demand)
NEREN® MLS - Next Steps

- Evaluate & Improve
- Local Green Verification Programs
- Power Production data onto CRS reports
- Power Production data searchable in CRS
- NH, MA, ME, RI, CT PV Data
- HELIX Data Auto-Population