



What is an energy dashboard?

PROJECT OVERVIEW

Community Member Profiles

Solar Mapping

Town Energy Data

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COMMUNITY MEMBER PROFILES

METHODS

Semi-Structured Interviews

Sampling Population

Sampling Method





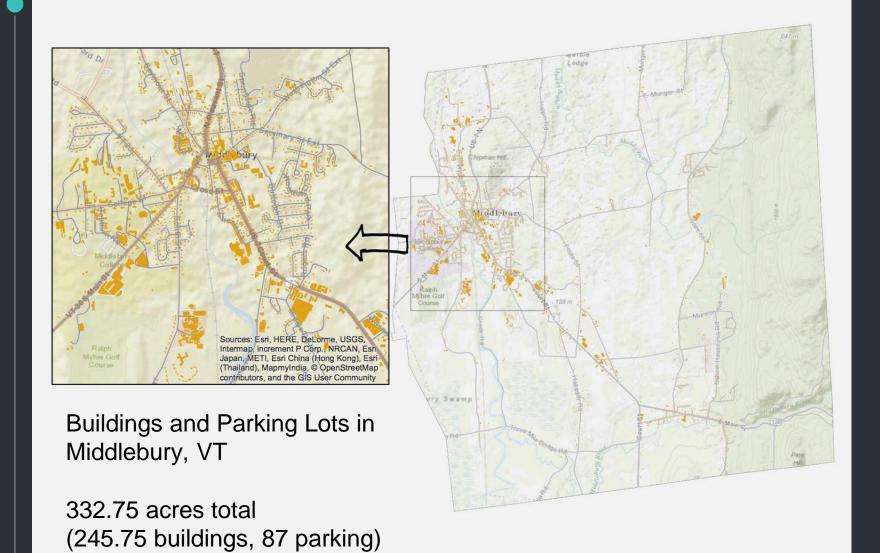


SOLAR MAPPING

Vermont Debate



VS.



Solar Findings

- Case-by-case
- Potential Issues
 - Roof Orientation and Structure
 - System Size
 - Parking Lots
- Check with an installer
- 1% of Middlebury could power the town



TOWN ENERGY DATA

Why town-specific data?

Community Data Customization	
Residential kWh	Commercial kWh
Average Residential kWh Usage/ Household	Number of Households (Updated 2010)
Population	Average Home Size
% Renewable Electricity, Residential	% Renewable Electricity, Commercial
VT State Average for MMBTU use per Household	% Multifamily
Age of Housing stock to state average(40% before 1950)	Percent Occupied
Residential Heating, % Oil	Residential Heating, % Heating ER
Residential Heating, % Propane	Residential Heating, % NG
Residential Heating, % Wood	Number of Registered Cars

Who we contacted

- Town Planner
- Town Lister's Office
- DMV
- Fuel/Propane Dealers
- 2010 Census







COMMUNICATING THE DASHBOARD



TRADITIONAL MEDIA AND SOCIAL MEDIA











MANY THANKS TO:

- Our community partner Linda McGinnis (Network Program Director, EAN)
- The Middlebury Energy Committee
- Our interviewees in Middlebury and East Middlebury
- The Oberlin Dashboard Team
- Bill Hegman and Kevin Behm, GIS Specialists
- Our ES 401 Professors and Class
- And, VECAN for allowing us to present!

IMAGES

- education outreach: http://www.mmpa.org/wp-
 content/themes/mmpa/img/energy-education-illustration.png
- public computers cartoon:
 http://hastings.lib.ne.us/renew/media/images/gallery/public-computer-access.jpg
- public computers real: https://www.keycom.co.uk/assets/2013/09/header-public-access-computers.png
- campus dashboard:
 - http://www.ns.dailybusinessbuzz.ca/media/photos/unis/2012/05/10/2012-05-10-10-34-26-energy%20dashboard.jpg
- solar home: http://suncommon.com/what-does-solar-look-like/#prettuPhoto[8808]/0/
- solar and foliage: http://www.vermontbiz.com/news/may/solar-tours-announced-june-20-statewide
- social media icons: http://i.stack.imgur.com/6YGaG.jpg
- news media icon: http://www.fact8.com/e107_themes/Fact2014/icons/64/news2.png
- social vs. traditional media icons:
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- tv icon:
 http://thumb9.shutterstock.com/display_pic_with_logo/1816916/324127196.stock.com/display_black-icons-set-with-internet-television-newspaper-electronic-324127196.jpg
- dashboard: http://loe.org/content/2013-06-28/14-oberlin-dashboard.jpg