

# Welcome!

Mass Energy Insight – Training Session1:

**Understanding & Setting Up  
Mass Energy Insight (MEI)**

**MassEnergyInsight**  
● ● ● ● ● POWERING EFFICIENCY

# Introductions

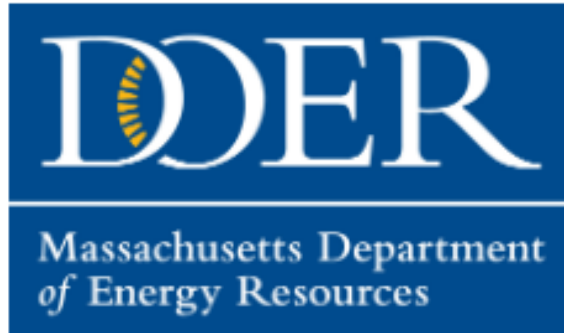
## Presenters:

- Mary Kraus – Clean Energy Extension (CEE)
- Dugan Becker – CEE

## Additional Facilitators / Resource People:

- John Snell – Consulting Facilitator
- Joanne Bissetta – Department of Energy Resources (DOER)
- Chelsea Kehne – DOER
- Gamaliel Lodge – Optimiser
- Devon Lukas – CEE

# Who We Are



UMassAmherst

# What you will learn:

- How MEI / Mass Energy Insight works
- How to create an organizational structure for your town/city
- How to set up facilities
- How to set up accounts
- Getting familiar with a structure that is already set up

# Context and Goals for MEI

- Reduce greenhouse gas emissions in Massachusetts.
- Provide a tool to measure progress in emissions/energy reduction.
- Meet your Green Communities goals – Criterion #3, 20% reduction.

## Annual Report Table 2 (MMBTU) Fiscal Year (July 1 start) 2015 Baseline

Please make sure that any data submitted to DOER contains complete Data!

The data in this table reflects the data in the Baseline. Buildings marked in MassEnergyInsight as "Exclude from Baseline" are not included in this dashboard. Please set the baseline year filter on the right to your baseline year and create a custom view so that this report always shows the correct data.

		2015	2016	2017	2018	2019
Building	Use (MMBTU)	42,147	36,343	44,955	41,328	47,295
	% Difference in MMBTU % diff..	0.00%	-13.77%	6.66%	-1.94%	12.21%
Open Space	Use (MMBTU)	21	227	227	227	227
	% Difference in MMBTU % diff..	0.00%	970.40%	970.40%	970.40%	970.40%
Street/Traffic Lights	Use (MMBTU)	2,213	2,174	2,171	2,193	2,169
	% Difference in MMBTU % diff..	0.00%	-1.75%	-1.90%	-0.88%	-2.00%
Vehicle	Use (MMBTU)	8,829	7,350	7,015	6,751	6,595
	% Difference in MMBTU % diff..	0.00%	-16.75%	-20.55%	-23.54%	-25.31%

# Benefits of MEI

## Learn:

- Energy use, building performance
- Greenhouse gas emissions

## Monitor and share:

- Monitor energy use & cost over time
- Share information with town

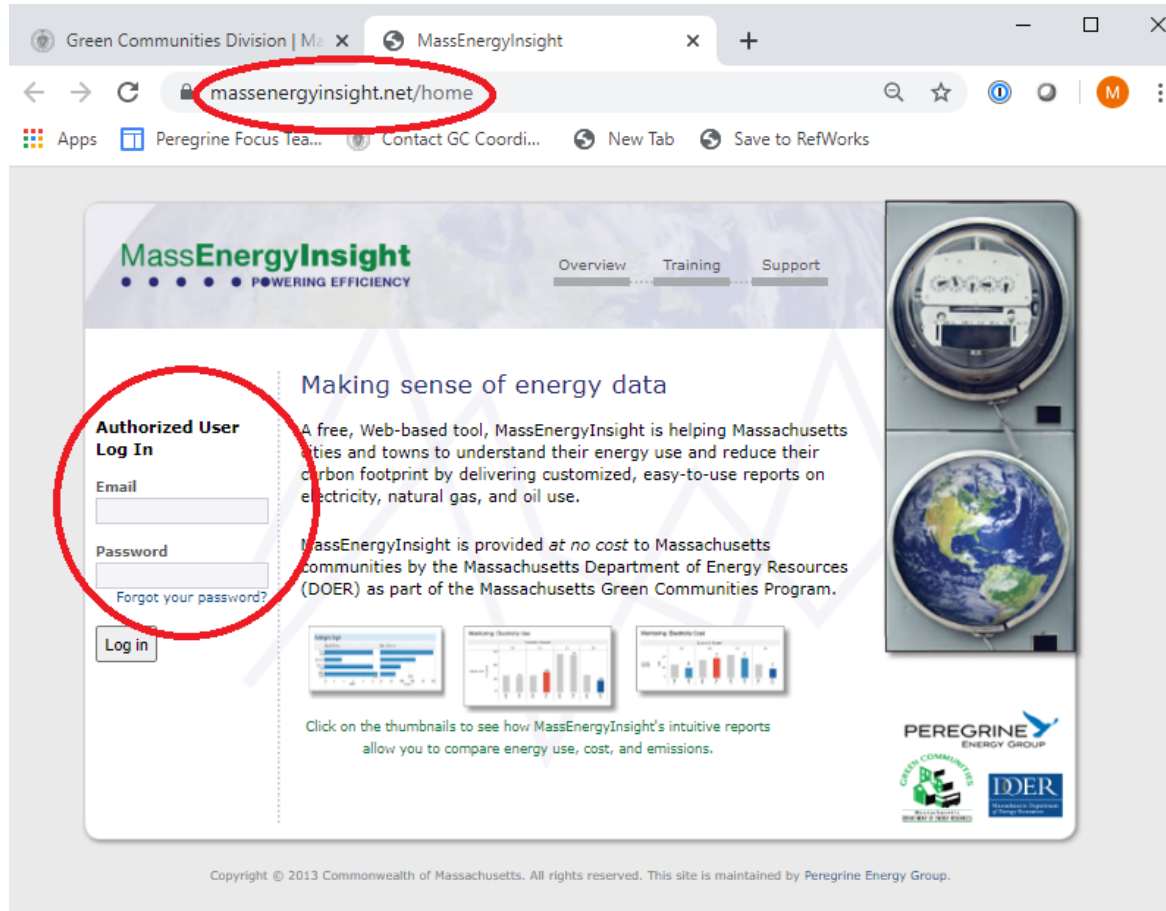
## Plan:

- Identify targets for energy efficiency projects, set goals
- Create an energy use baseline to qualify for Green Community Designation
- Meet reporting requirements as a Green Community

# What Can MEI Store?

- **All municipal operations:**
  - Facilities
  - Streetlights
  - Vehicles
- **All fuels:**
  - Typically automatic: Electricity, natural gas
  - Entered by user: Oil, propane, gasoline, diesel
- **All attributes:**
  - Use
  - Emissions
  - Cost

# Getting Access



The screenshot shows a web browser window with the URL [massenergyinsight.net/home](http://massenergyinsight.net/home) in the address bar. The website header includes the logo "MassEnergyInsight" with the tagline "POWERING EFFICIENCY" and navigation links for "Overview", "Training", and "Support". The main content area features a "Making sense of energy data" section with a "Log In" form. The form includes fields for "Email" and "Password", a "Forgot your password?" link, and a "Log in" button. The "Log In" text and the form fields are circled in red. Below the form, there are three thumbnails of energy reports and logos for "PEREGRINE ENERGY GROUP", "GREEN COMMUNITIES", and "DOER". The footer contains copyright information: "Copyright © 2013 Commonwealth of Massachusetts. All rights reserved. This site is maintained by Peregrine Energy Group."

- [www.massenergyinsight.net](http://www.massenergyinsight.net)
- Username
- Password
- Support: [pfsupport@peregrinefocus.com](mailto:pfsupport@peregrinefocus.com)

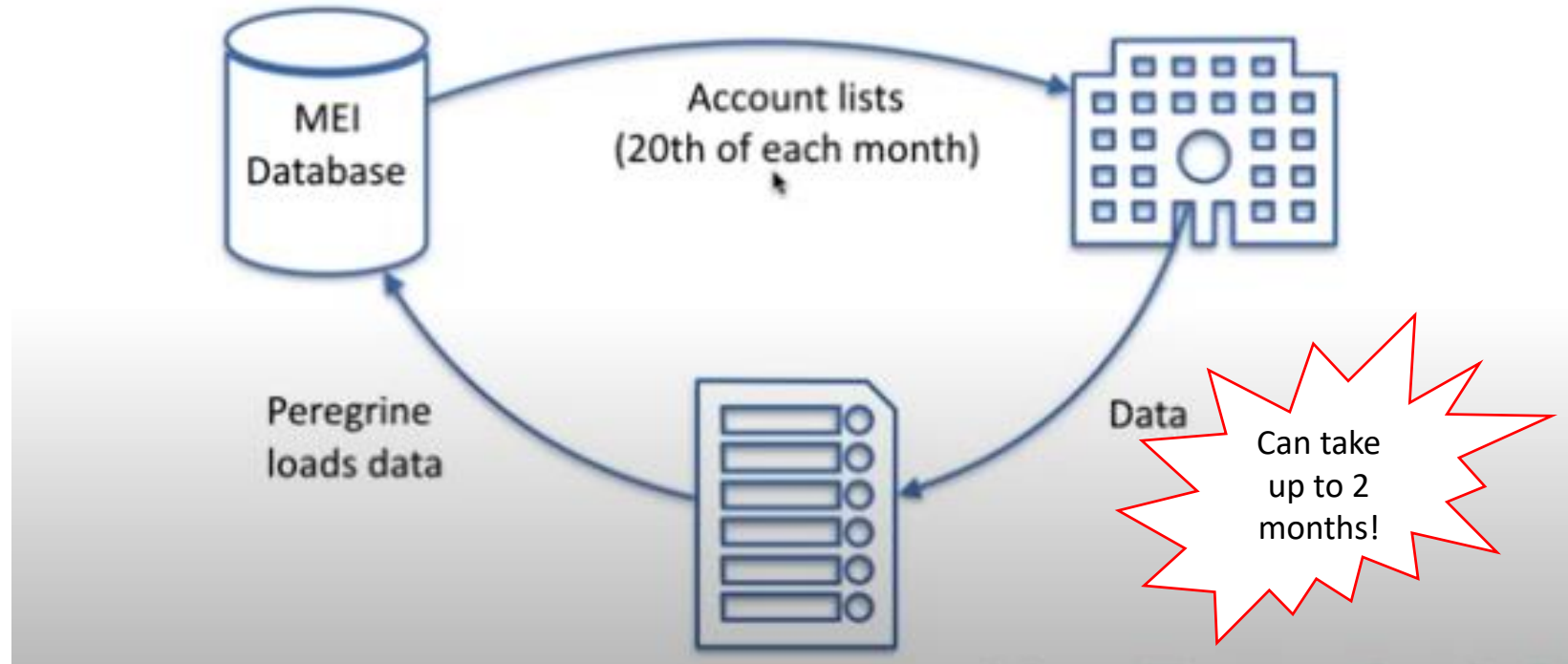


# Timing: No Time Like the Present!

- Plan ahead!
- Deadline for Designation: by end of year, but don't wait!
- Deadline for Annual Report: TBD, probably mid-October
- Get started today
- Complete everything minimum two months ahead
- Stay current through the year

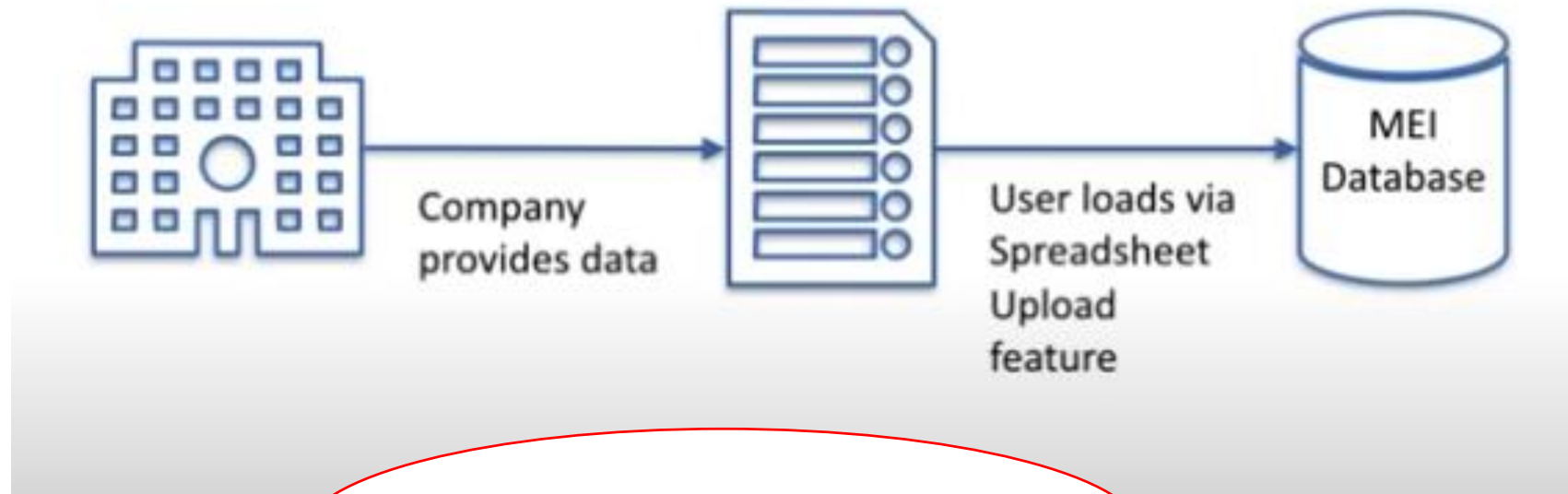
# How Data Gets Into the System

Investor Owned Utilities - monthly data updates



# How Data Gets Into the System

## Delivered Fuels and Competitive Supply Data



Timing: Reports refresh overnight

# How is Data Organized?

The “Tree”:

- Your City / Town
  - Department
    - Complex
      - Facility
        - Unit

- ▲ Sampleville(City, Town, or Reg. Entity)
  - ▲ Administration(Department)
    - ▲ Administrative Complex(Complex)
      - ▲ Administrative Vehicles(Facility)
        - Admin Vehicle #1 (Van)(Unit)
        - Admin Vehicle #2 (Prius)(Unit)
      - Town Clerk(Facility)
      - Town Hall(Facility)
    - Amherst demo dpt(Department)
  - ▲ Public Safety Department(Department)
    - Fire Headquarters(Facility)
    - Police Station(Facility)
    - Police Vehicles(Facility)

# Categories of Facilities

- Buildings
- Open Space
- Water/Sewer
- Street and Traffic Lights
- Vehicles