

BUILDING ELECTRIFICATION Monthly Webinars



June 16, 2022, 7PM EDT

BUILDING ELECTRIFICATION

Webinars- monthly 3rd Thursday at 7PM

Sponsors: “NJ 50x30 Building Electrification Team”
Sierra Club NJ Chapter

June 16, 2022 program

Steve Miller, host

Phyllis Garr

John Wheeler

Hap Haven

The PATH TO LOWER ENERGY (& lower cost)

GOAL: Net Zero GHG emissions and Net Zero Energy

Energy Efficiency Audit

Insulate and Seal

Increase windows to triple pane (low-e glass preferred)

Replace fossil fuel furnaces with heat pumps

Install Rooftop solar

(or offset with Community Solar or 3rd party electric):

<https://electric.smiller.org>

www.gosolarlandscape.com (844) 765-2769

ENERGY EFFICIENCY ASSESSMENT

Schedule a \$49 to \$99 Ciel Home Energy Audit

~\$49 in Princeton, Millburn, Glen Rock, Woodbridge, Morristown, Summit, Highland Park, Pascack Valley, Madison, Long Hill, Westfield
\$99 elsewhere <https://www.cielpower.com/>

Free, through NJ utilities "Comfort Partners" for limited income families

Your home, reinvented.

Today's new home buyers expect energy efficiency to be part of the package. What if your home was built before today's energy-efficiency standards?

From insulation to high-efficiency mechanical equipment, our products and services deliver today's energy-efficiency solutions to yesterday's homes for a more comfortable and affordable homeownership experience.

- Insulation upgrades to bring your home to today's energy-efficiency standards.
- Mechanical equipment offerings that deliver improved heating and cooling with lower operating costs.
- Comfort and energy efficiency that's above and beyond the rest of your neighborhood.
- Remediation of harmful substances for your peace of mind.

UUCMC 2022 Rooftop Solar



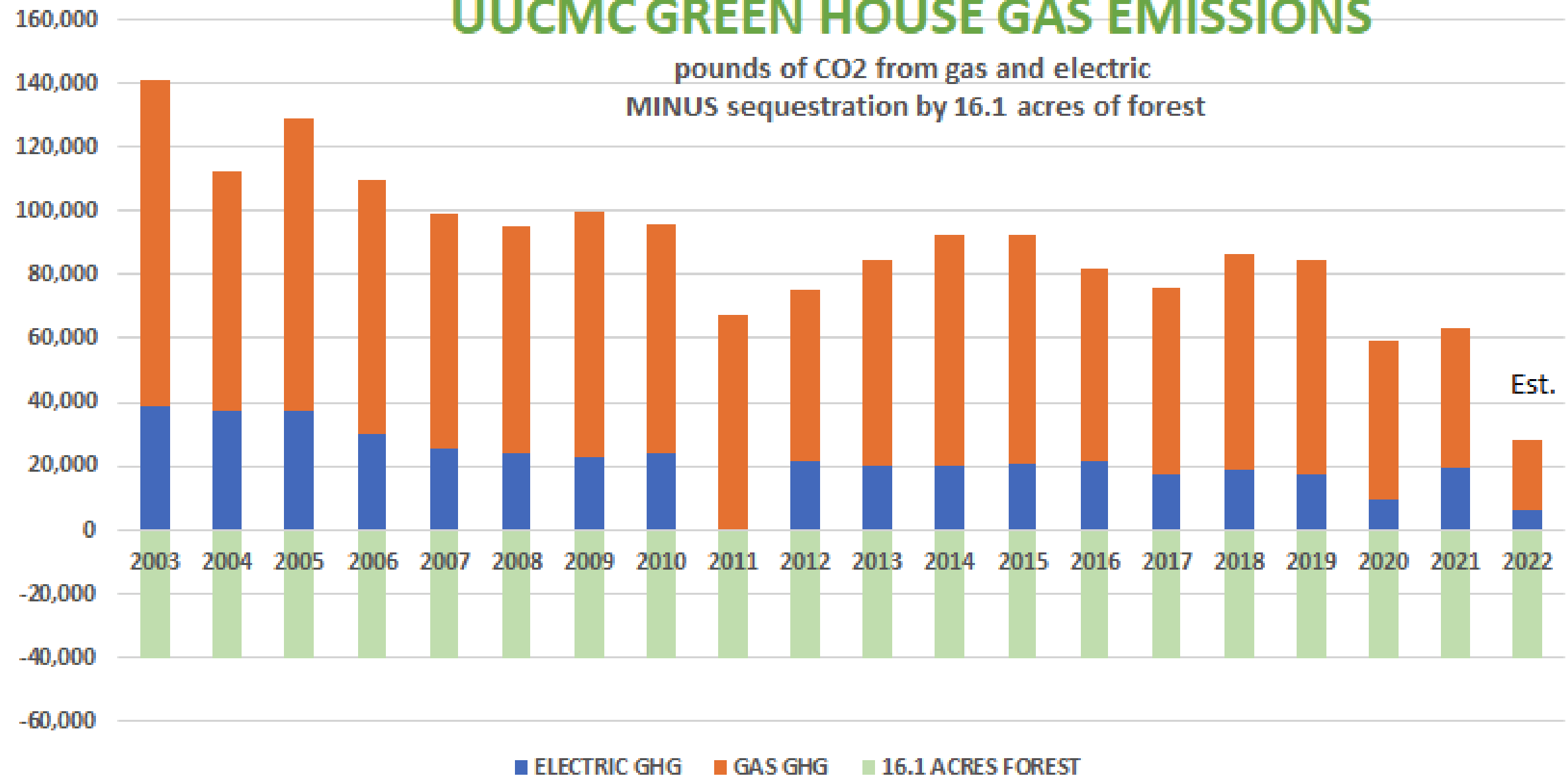
4 X Capacity of Old System

Annual
Pounds
of CO2

(UUCMC MEETING HOUSE)

UUCMC GREEN HOUSE GAS EMISSIONS

pounds of CO2 from gas and electric
MINUS sequestration by 16.1 acres of forest



Which one is the heat pump? Gas furnace backup on right



DETAILS: HOW TO MEASURE YOUR HOUSE AND SELECT A HEAT PUMP (4/21/2022 webinar)

<https://climate.smiller.org/50x30/building-electrification/All-heat-pump-webinars.html>

PHYLLIS GARR

- **Early Adopter**
- **Long Time Member of Marlboro Green Team**
- **Minimizes energy and cost via heat pump and two solar arrays**

JOHN WHEELER

- **For 18 Years, Began Updating His House in Cape May County (Did Not Realize He Was Electrifying)**
- **Home Energy Audit**
- **Installed 10KW solar (largest allowed with rebate)**
- **Ground Source Heat Pump (starting with an Existing Well)**
- **Eventually will add an EV**

HAP HAVEN

- **A National Leader in Home Performance**
- **Describes the last of three Green Model Homes.**
- **1885 stone carriage house**
- **Hap's personal home since 1986.**

COMING – July 21

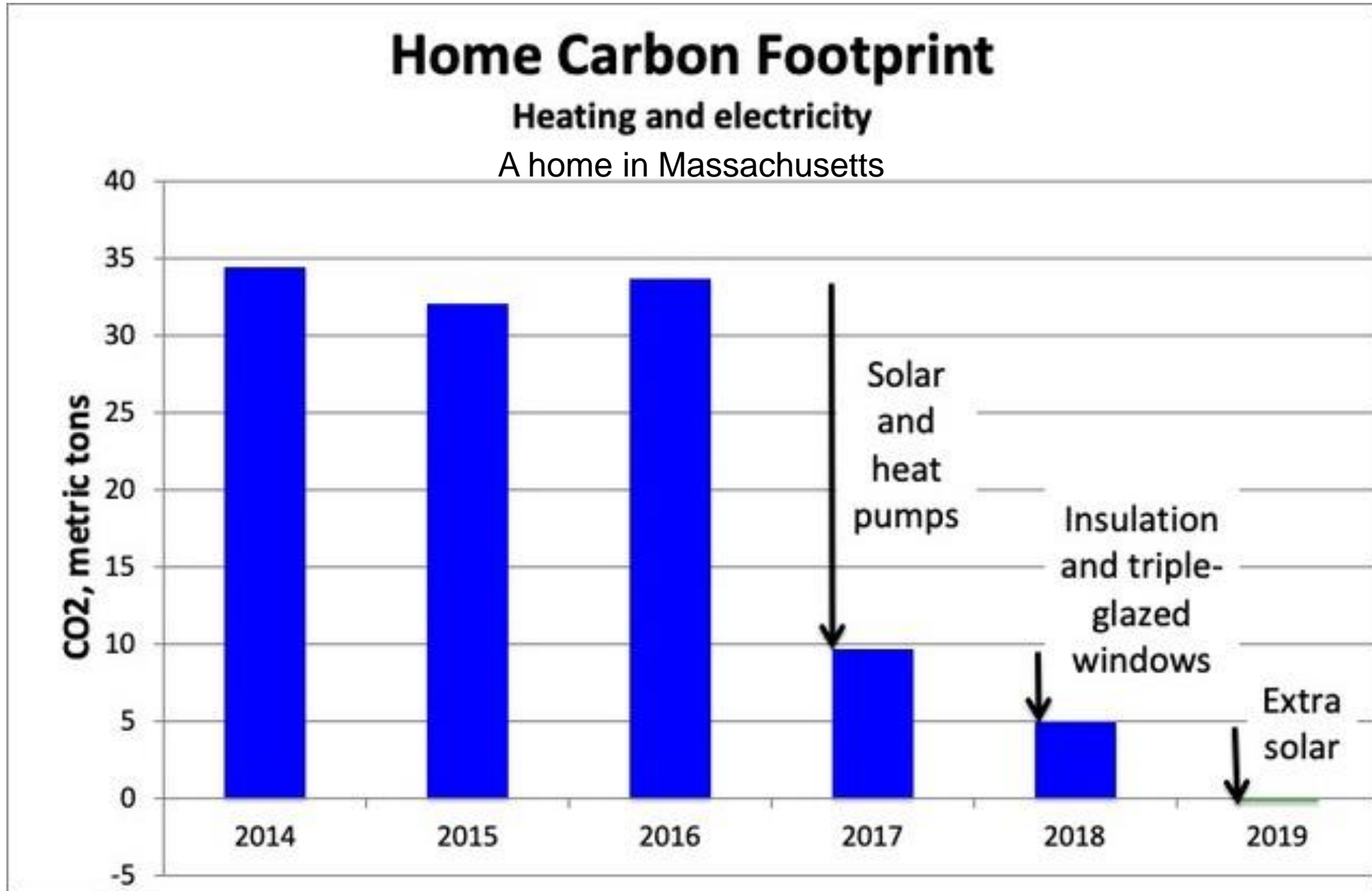
David Green

“Zero Carbon, Zero Bills”

& 15% return on investment

(in Massachusetts)

SPEAKER NEXT MONTH: DAVID GREEN (JULY 21, at 7PM)



END OF WEBINAR