

# BUILDINGENERGY NYC

OCTOBER 12, 2017 • TKP NY CONFERENCE CENTER • [NESEA.ORG/BENYC17](http://NESEA.ORG/BENYC17)

Conference + Trade Show of the Northeast Sustainable Energy Association (NESEA)

## In Deep Water: Examining the Water-Energy Nexus at the Building Level





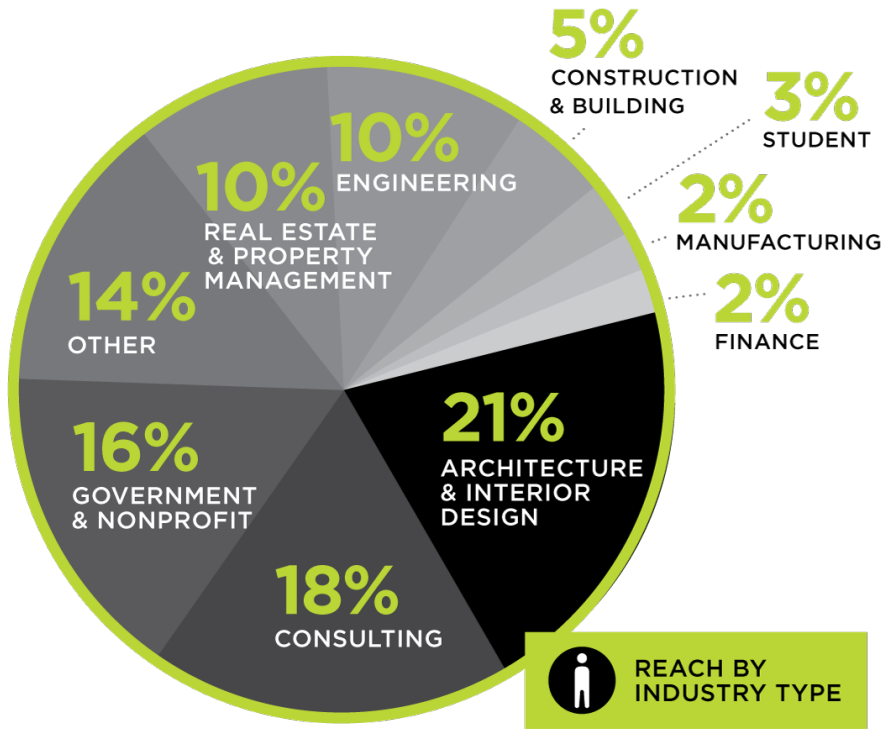
# GETTING OUT OF HOT WATER

Laurie Kerr, FAIA, Policy Director, Urban Green

# OUR MISSION

To transform the NYC building industry for a sustainable future.

# KEY ACCOMPLISHMENTS SINCE 2010



**63** PROPOSALS IMPLEMENTED

**11,000** ATTENDEES TO  
**300+** PUBLIC PROGRAMS & EVENTS

**80,000** ANNUAL UNIQUE VISITORS TO WEBSITE

**10** REPORTS PRODUCED  
**12,300** REPORTS DOWNLOADED

ANNUAL SAVINGS BY 2050

- 4** BILLION KILOWATT HOURS OF ELECTRICITY
- \$13** BILLION DOLLARS
- 1,200** BILLION GALLONS OF WATER

**8,000** WEEKLY NEWSLETTER SUBSCRIBERS

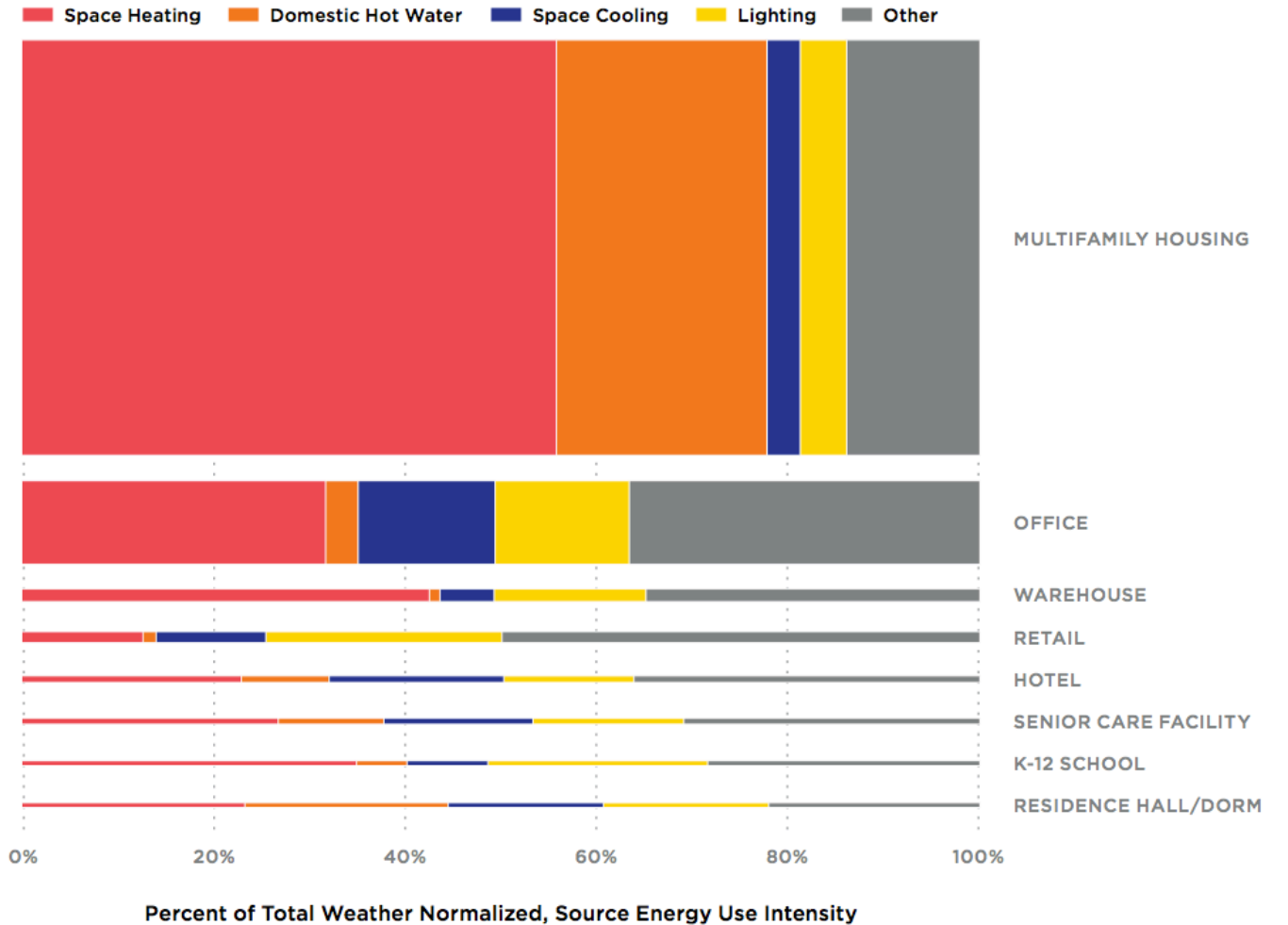


COVERED IN

- Slate
- The New York Times
- The Washington Post
- THE WALL STREET JOURNAL
- Forbes

**7,000** TRAINED

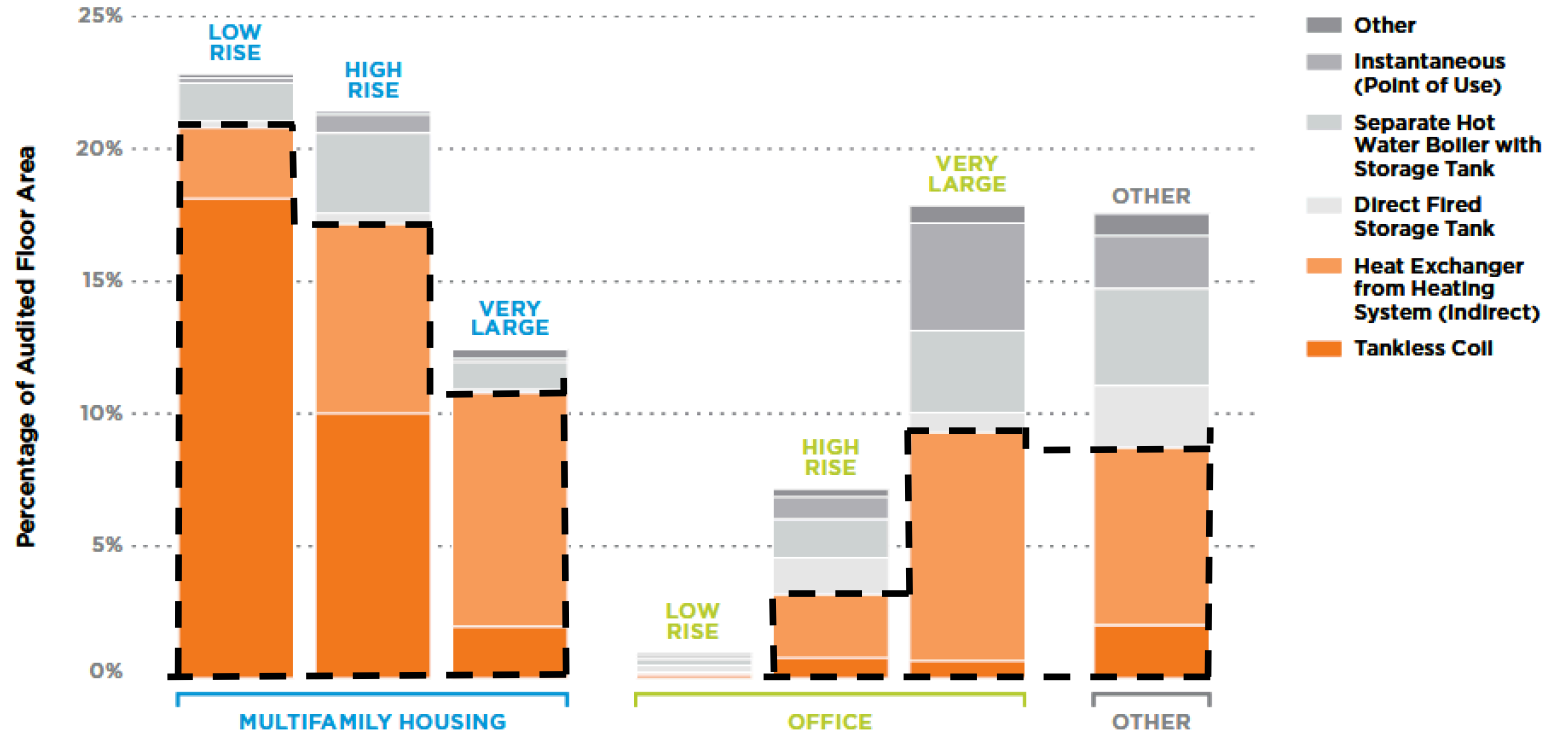
**Figure 5: Source Energy Use Intensity by Energy Use Types and Property Type (LL87 data)**  
 (height of bar is proportional to the total area of the property type). Source energy use intensity varies widely by property type. (NYU CUSP)



**85%**  
of NYC's MF area  
uses the space-  
heating boiler to  
heat hot water

**Figure 14: Hot Water Systems (LL87 data)**

Most of New York City's audited building domestic hot water is heated using a building's heating boiler, rather than from a separate hot water heater. (Urban Green Council)



# IS THAT A GOOD IDEA?

FIGURE 18

## Multifamily Fuel Use Intensity by Hot Water System Type

*Buildings that heated their hot water with space-heating boilers reported higher fuel use than did buildings that used separate DHW systems.*

DATA: LL84 & LL87

■ QUARTILES 25-75  
■ FULL RANGE

### DISTRIBUTION OF WEATHER NORMALIZED SITE FUEL EUI (KBTU/SF)

