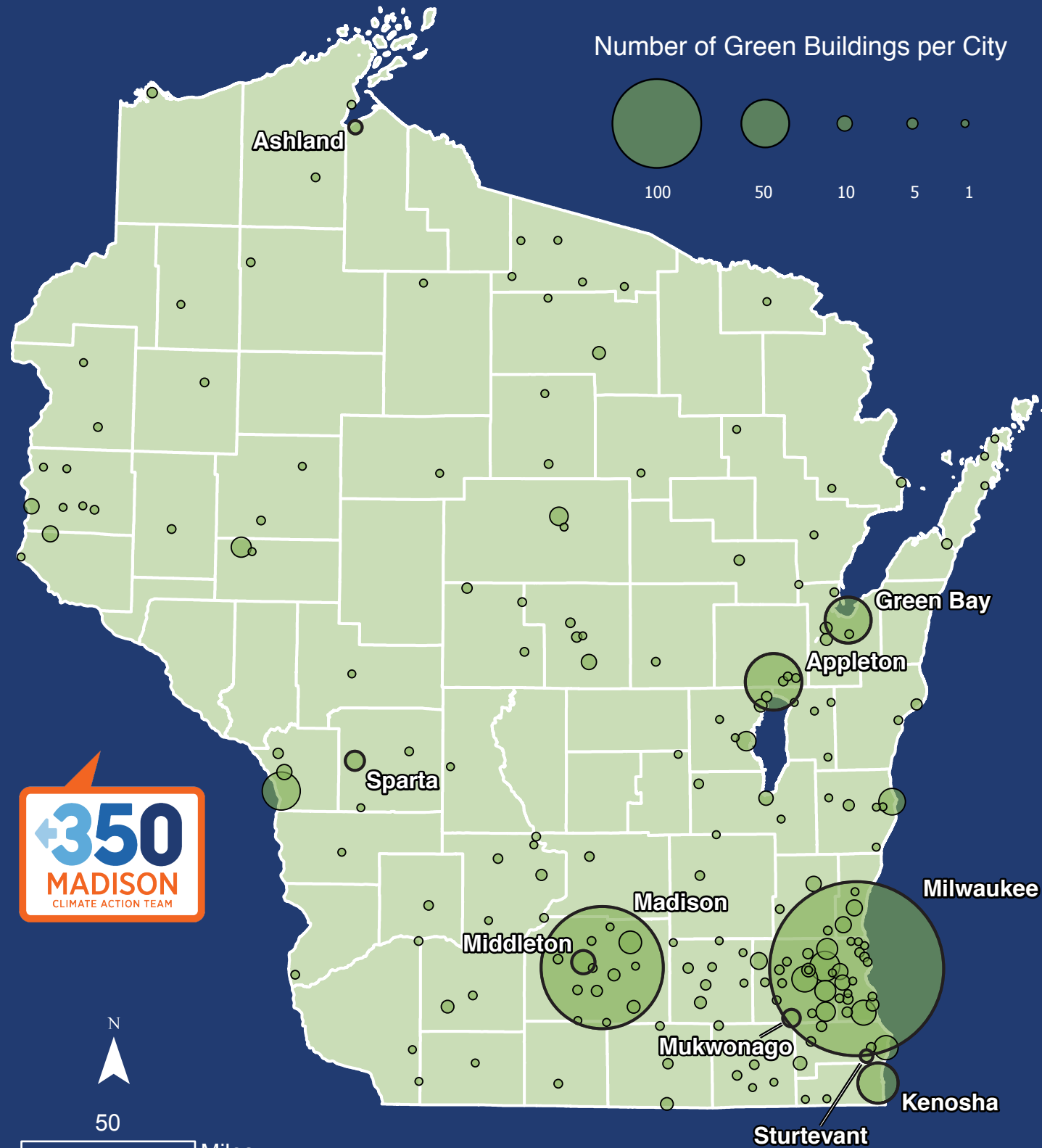


GREEN CERTIFIED BUILDINGS IN WISCONSIN



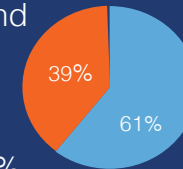
Scale: 1:2,500,000 Created on: 05/04/21 Cartographer: Alannah Rapp
Sources: Wisconsin Green Building Alliance, Esri Open Data Portal, 350 Madison

BUILDING SECTOR EMISSIONS

In the United States, buildings account for 39% of total energy use, 68% of total electricity consumption and 40% of carbon dioxide emissions. It is therefore crucial that the energy efficiency and sustainability of buildings are improved through the use of green building practices if cities are to meet their climate goals. Defined as “the practice of increasing the efficiency with which buildings and their sites use energy, water, and materials, and of reducing impacts on human health and the environment for the entire lifecycle of a building,” green building is an essential method of decreasing the environmental, economic and social harms of the building sector.

GREEN BUILDING PROGRAMS

To assure for the adherence to a consistent set of green building standards, several certification programs have been created. The green buildings (GBs) per city depicted in the map to the left include buildings certified by five programs: LEED, Energy Star, BREEAM, Enterprise Green Communities and Passive House US. The majority of GBs in WI are certified by the **LEED** and **Energy Star** Programs with the other 3 making up 0.005%.



HOW TO ENCOURAGE GROWTH

To encourage developers to build green, many cities have been implementing incentive programs. 350 Madison, a community-led environmental organization, has written a report encouraging Madison to adopt a green building incentive program.



The map below depicts the number of schools and Universities per WI city which are green certified or part of one of the following school-specific sustainability programs: AASHE STARS, NWF Eco Schools and Energy Star.

TOP 5 CITIES: MOST GREEN BUILDINGS

- Milwaukee** - 204 Green Certified Buildings
- Madison** - 140 Green Certified Buildings
- Appleton** - 59 Green Certified Buildings
- Green Bay** - 46 Green Certified Buildings
- Kenosha** - 39 Green Certified Buildings

TOP 5 CITIES: MOST GREEN BUILDINGS PER CAPITA

- Mukwonago** - 13 Green Certified Buildings
- Sparta** - 15 Green Certified Buildings
- Sturtevant** - 7 Green Certified Buildings
- Ashland** - 8 Green Certified Buildings
- Middleton** - 20 Green Certified Buildings

While it may appear as though **Madison** ranks highly when judging by its **overall number of GBs**, it is important to consider the greater amount of resources, funding, and buildings which are available to more populous cities. When analyzing the data as **per capita values**, **Madison ranks 20th** in the state. While the successes of Madison should be recognized, a concerted effort to **increase** the number of GBs must be made if the city is to meet its stated **climate goals**.

GREEN SCHOOLS UNIVERSITIES AND K-12 SCHOOLS

