

Middlebury Town Green Summary

Feature	Measure
Number of trees	48
Most dominant species by:	
Number of trees	Norway maple, Sugar maple, Red maple
Leaf canopy cover	Norway maple, Sugar maple, White ash
Trees < 6" diameter (%)	17
Carbon Stored	220,321 lbs (\$727)
Carbon Sequestered	11,481 lbs/year (\$38)
Building Energy Reduction	\$2,686/year
Replacement Value	\$173,812

Middlebury has a relatively large town green consisting of 48 trees. Predominate species by number of individuals are Norway maple, sugar maple, and red maple, although most red maple are young saplings that contribute little to overall canopy cover. Red maple will increase in importance as these trees mature. The Middlebury town green is diverse in its age class distribution. A majority of trees are between 12" and 24" in diameter, but substantial numbers of trees greater than 24" or less than 6" in diameter are also present. Trees are distributed across most of the green's area, providing relatively high canopy closure for an urban space. 17% of the green's trees are in poor condition, based on levels of dead/rotting wood, including the green's two largest trees, a sugar maple and silver maple both greater than 30" in diameter. Power lines are present over the green, and there is risk of conflict between lines and 23% of the green's trees, should storm damage cause downed limbs.

Norway maple (*Acer platanoides*) is the most common species on Middlebury's green, making up 31% of its trees. Norway maple is considered invasive, and sale and distribution is currently banned. Middlebury's existing Norway maple are mature and contribute to the green's aesthetics as well as the ecological services it provides. However, alternative species will need to be selected as replacements when existing trees eventually decline. A number of native red maple saplings currently make up the youngest age class of the green's tree.

Middlebury Town Green Species Distribution by Percentage

Interactive Map of Middlebury Town Green: <http://goo.gl/maps/evGZN>

