

EXAMINING EFFECTS OF CLIMATE CHANGE ON TREE SPECIES

ELK RIVER, MINNESOTA



COURSE INSTRUCTOR

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CITY PROJECT LEAD

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OVERVIEW

- The City of Elk River has not investigated its position on climate change and adaptation or the potential effects of climate change on the ecology and landscape of the city.
- The City is interested in proactively managing for potential climate change, including the planting of tree species that can withstand changes in climate.
- Current planning and adaptation can reduce or mitigate adverse effects of future climate change, which will benefit businesses, residents, city government, and the environment.



Elk River, Minnesota

OBJECTIVES

- Using climate models, students will explore potential effects of climate change on specific tree species, focusing on street trees.
- Students will examine how climate change may affect current tree species in Elk River, including trees that are slated to be planted or are donated to Elk River.
- Students may also examine how Elk River could become certified as a "Tree City USA."

OUTCOMES

- Report on potential effects of climate change on Elk River's tree species and the urban canopy.
- Recommendations for future tree plantings that will adapt well to potential changes in climate.

SUSTAINABLE COMMUNITIES PARTNERSHIP

COLLABORATING WITH CITIES TO ADVANCE THE COMMON GOOD



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