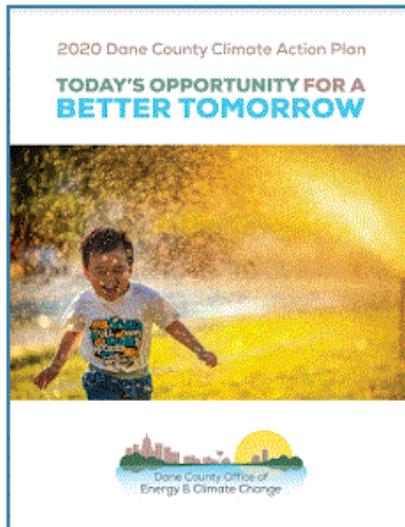


Tree Canopy Working Group

Dane County Office of Energy Climate Change Climate Action Plan

- CAP cites need to preserve and protect existing trees and reforest where possible



Tree Canopy Working Group Purpose

- Access to trees is a human right. Everyone deserves the cool shade, clean air, better runoff management, and the public health benefits that trees provide.
- The aim is to collectively maintain, protect, and expand public and private tree canopy across Dane County where ecologically appropriate. A particular focus is on ensuring equitable access to trees and their benefits for all residents.



Why Are Trees Important?



Aesthetic and Economic Value



Public Health Benefits

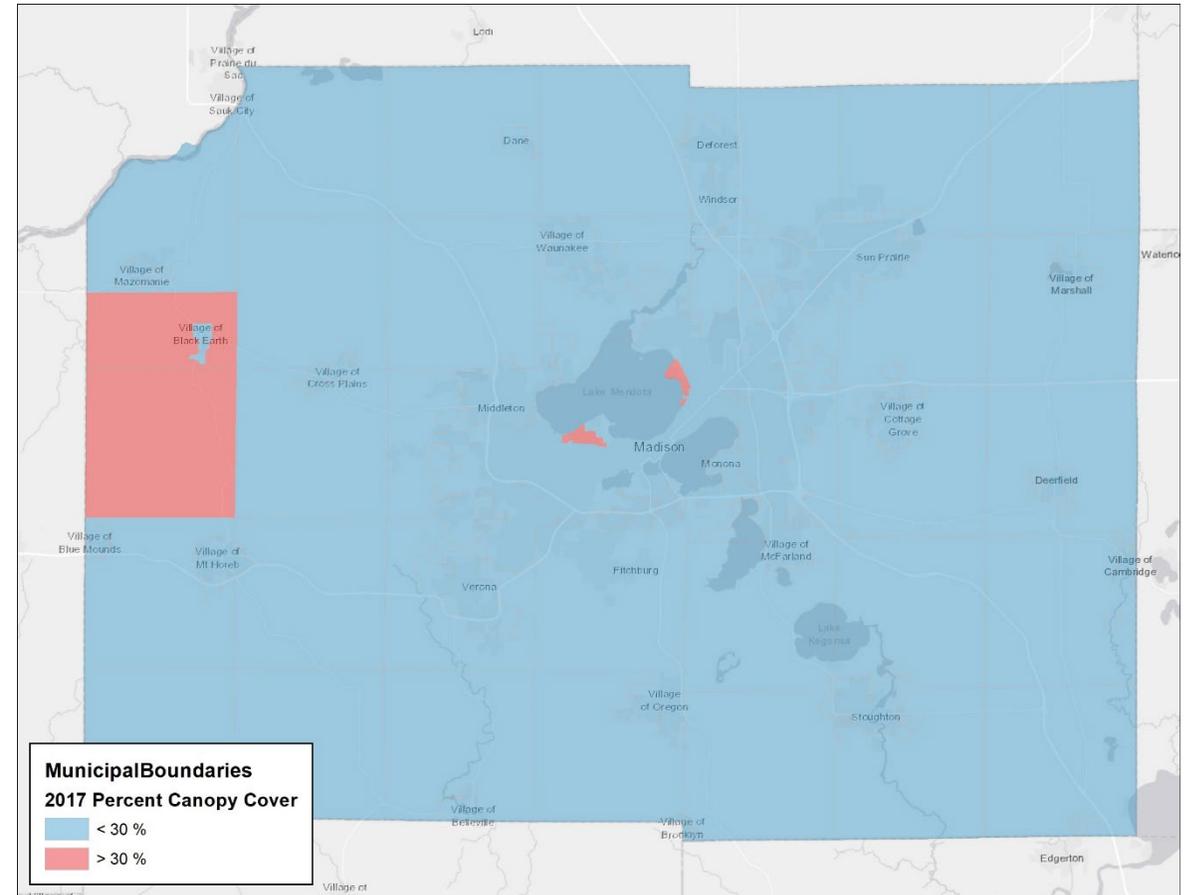
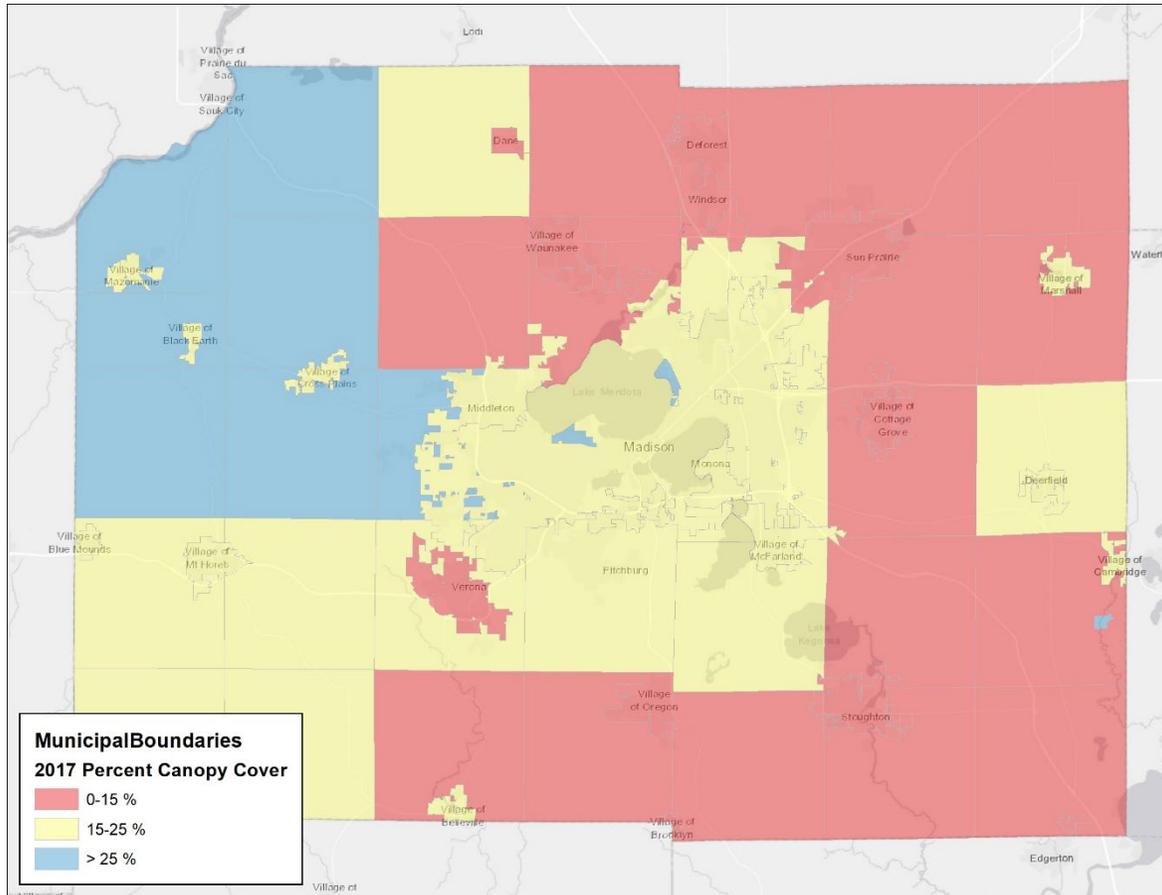


Ecosystem Benefits



Climate Resilience

Need in Dane County

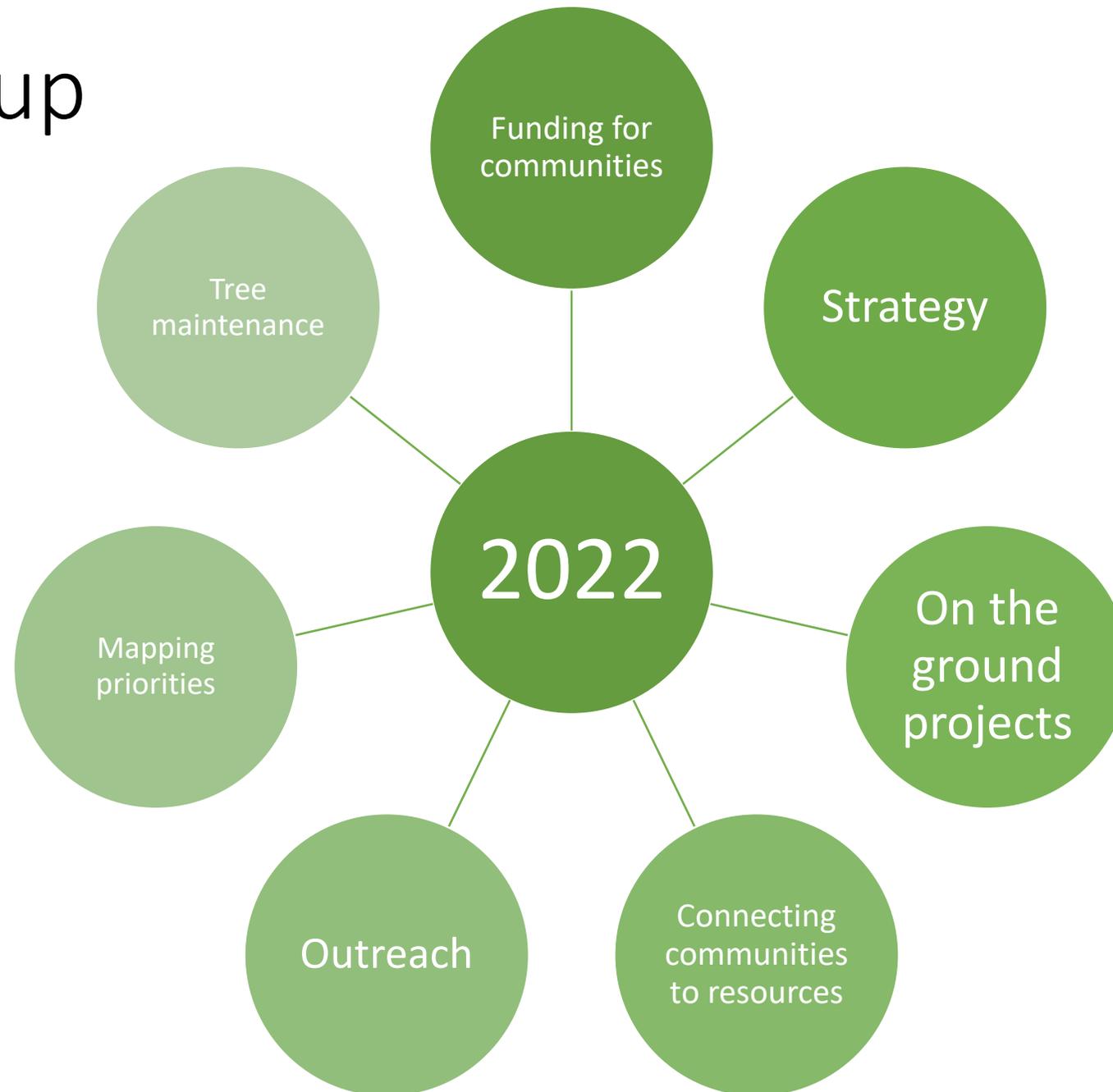


American Forests recommends canopy cover of 30%

Members

- Dane County
 - Planning - Brian Standing
 - OECC - Melanie Askay
 - L&W - Adam Alves
- Capital Area Regional Planning Commission (CARPC)
 - Mike Rupiper
 - Matt Noone
- City of Madison
 - Marla Eddy
 - Stacie Reece
 - Jessica Price
- UW-Madison
 - Nathan Larson
 - Elizabeth Berg
- Urban Tree Alliance - Jeremy Kane
- UW Extension
 - Lisa Johnson
- Public Health Madison and Dane County - Jeff Lafferty

Working Group Priorities

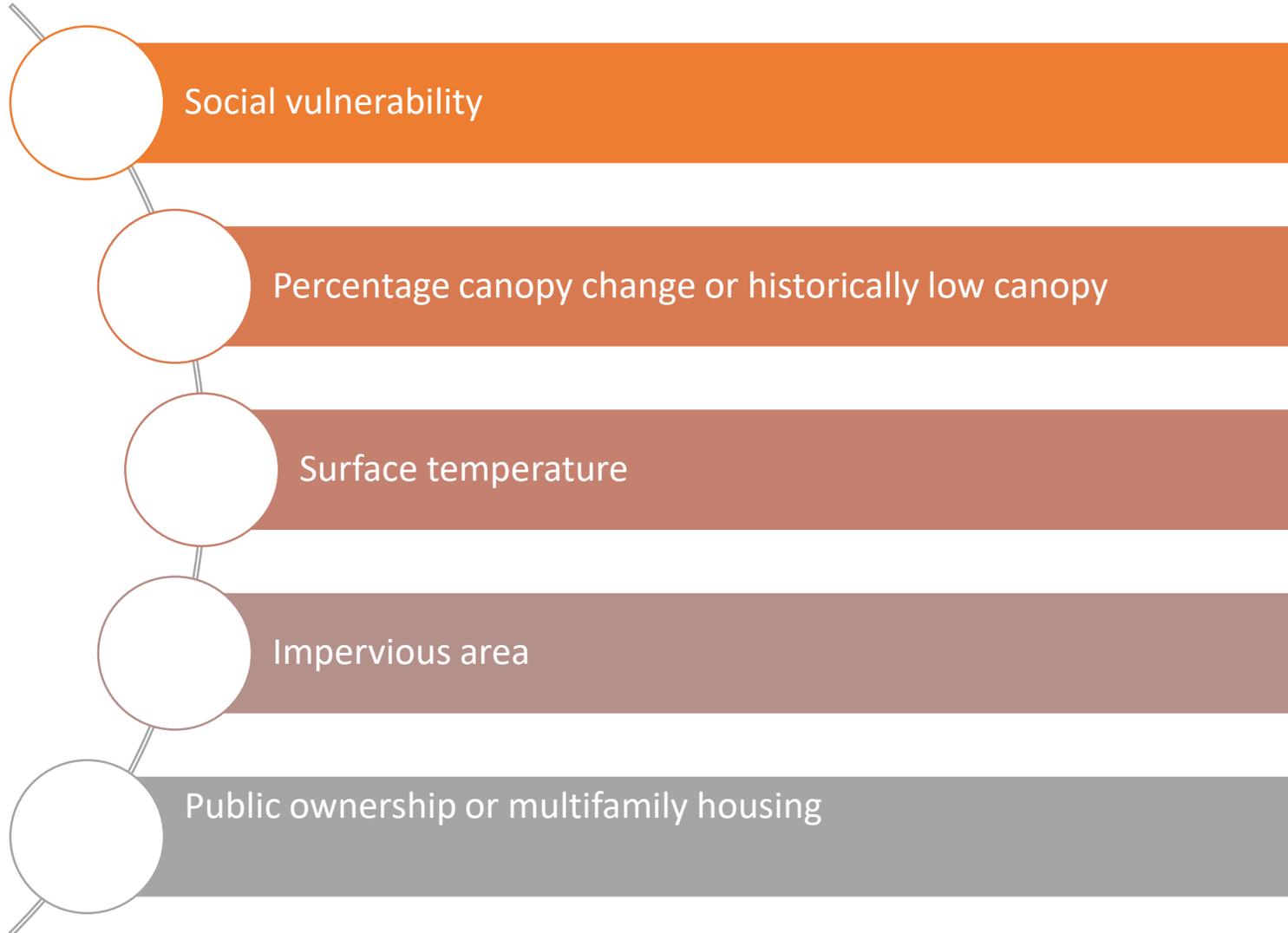


Working Group Priorities



Prioritization Mapping

Prioritization Index

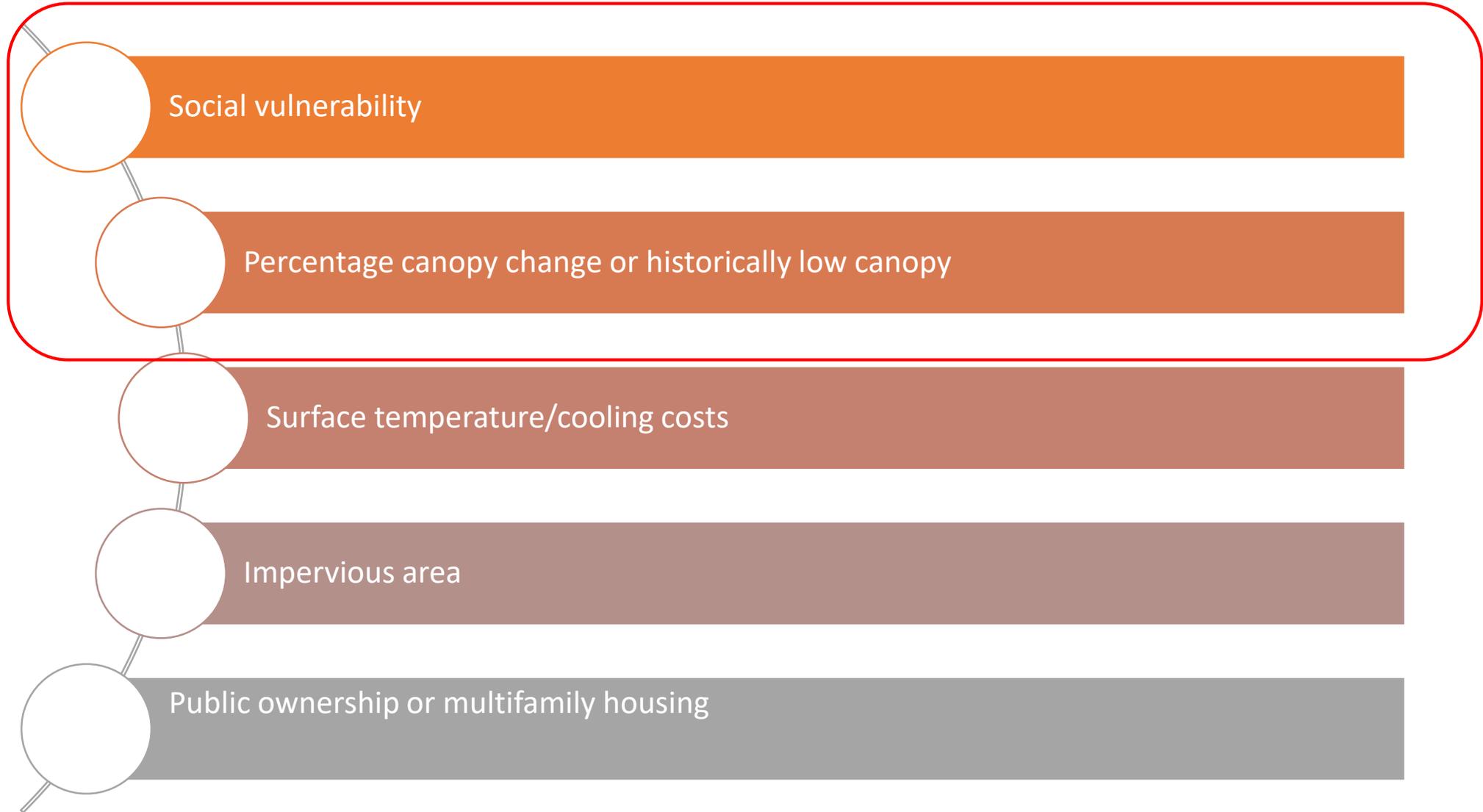


Rough & ready
analysis

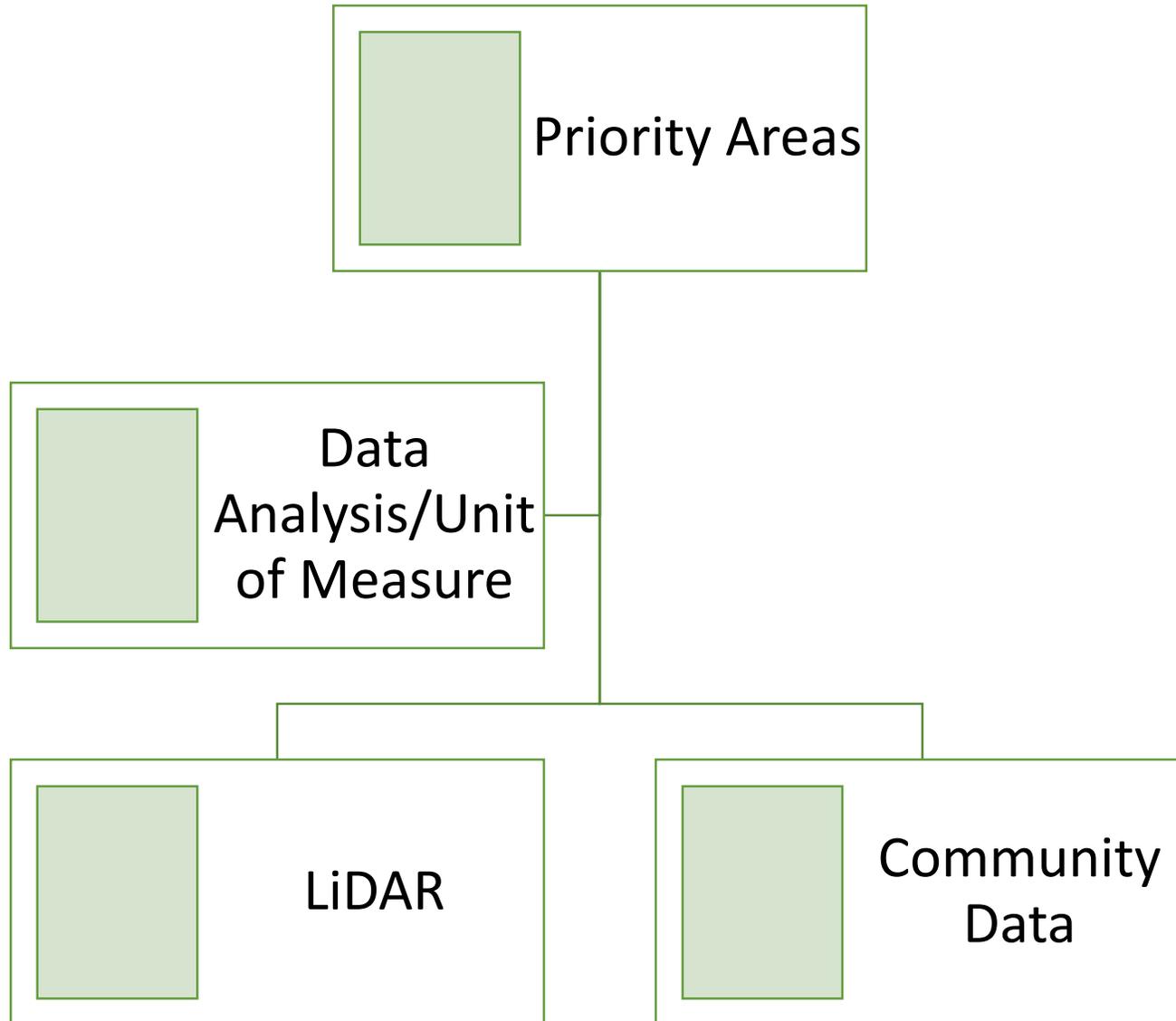
Thriving Earth
prioritization
index

Continue to
refine with
community data

Prioritization Index



Mapping Prioritization Areas



Preliminary Dane County Canopy Analysis

- Villages and towns across Dane County have lost about 12% of their canopy coverage from 2010 to 2017, with decreases up to 38%
- Loss is primarily due to disease, but lack of maintenance and ongoing development policies also likely play a role
- Land use across the county that tended to have the largest percentage decrease of canopy coverage were multi-family housing, single-family or two-family residential housing, and recreational spaces.

- Towns and villages with canopy decreases of 30% or higher include:

Village of Brooklyn	Village of Belleville
Town of Primrose	Stoughton
Monona	

- Towns and villages with the greatest total acres of canopy lost include:

City of Madison	Town of Primrose
Town of Perry	Town of Vermont

High social vulnerability areas/high percentage canopy decrease

Sun Prairie

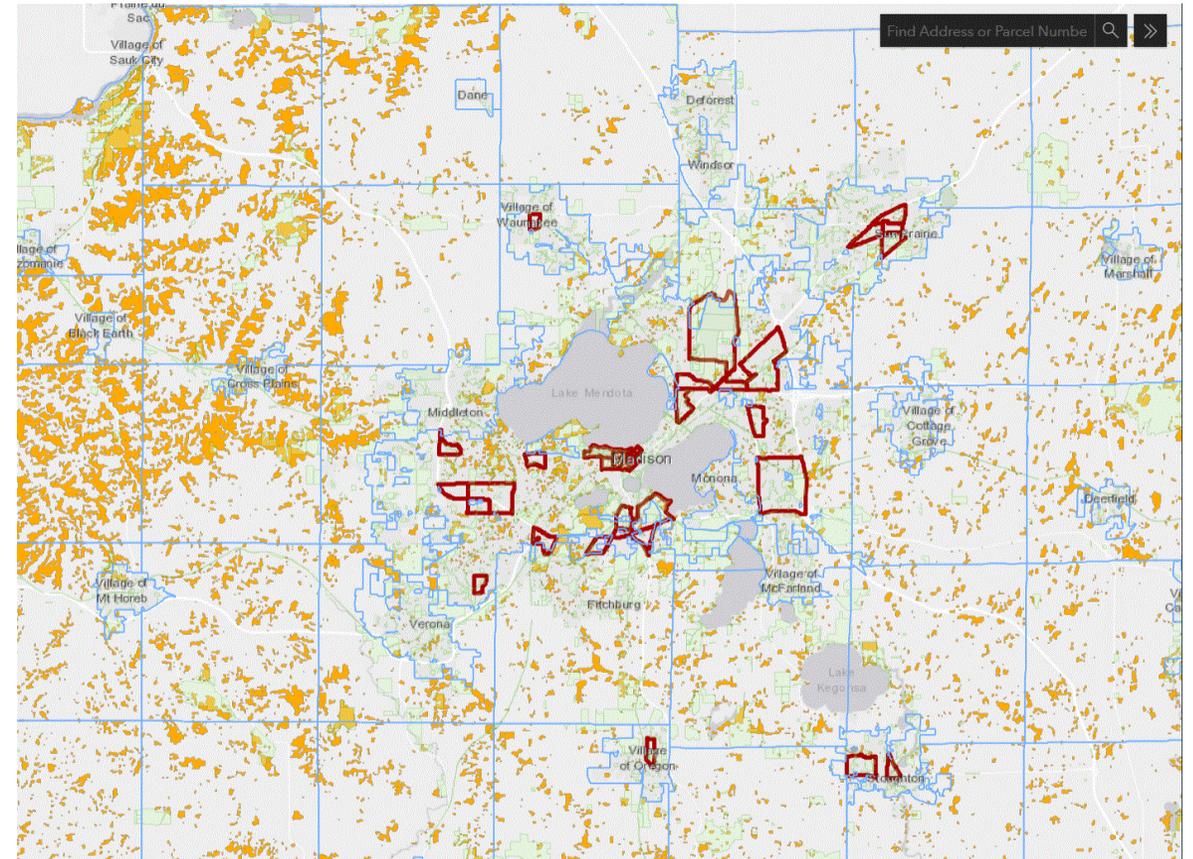
Stoughton

Waunakee

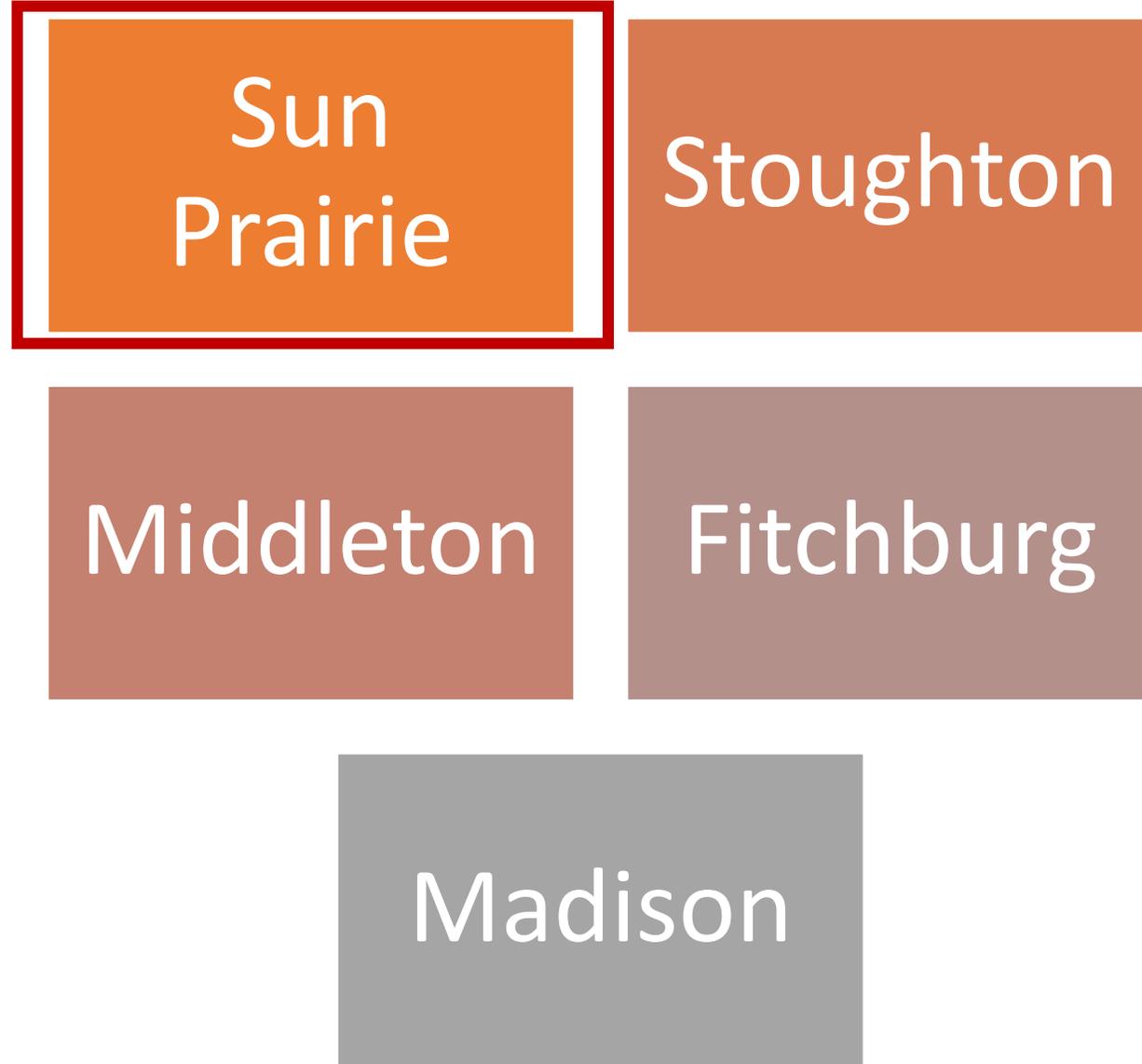
Fitchburg

City of
Madison

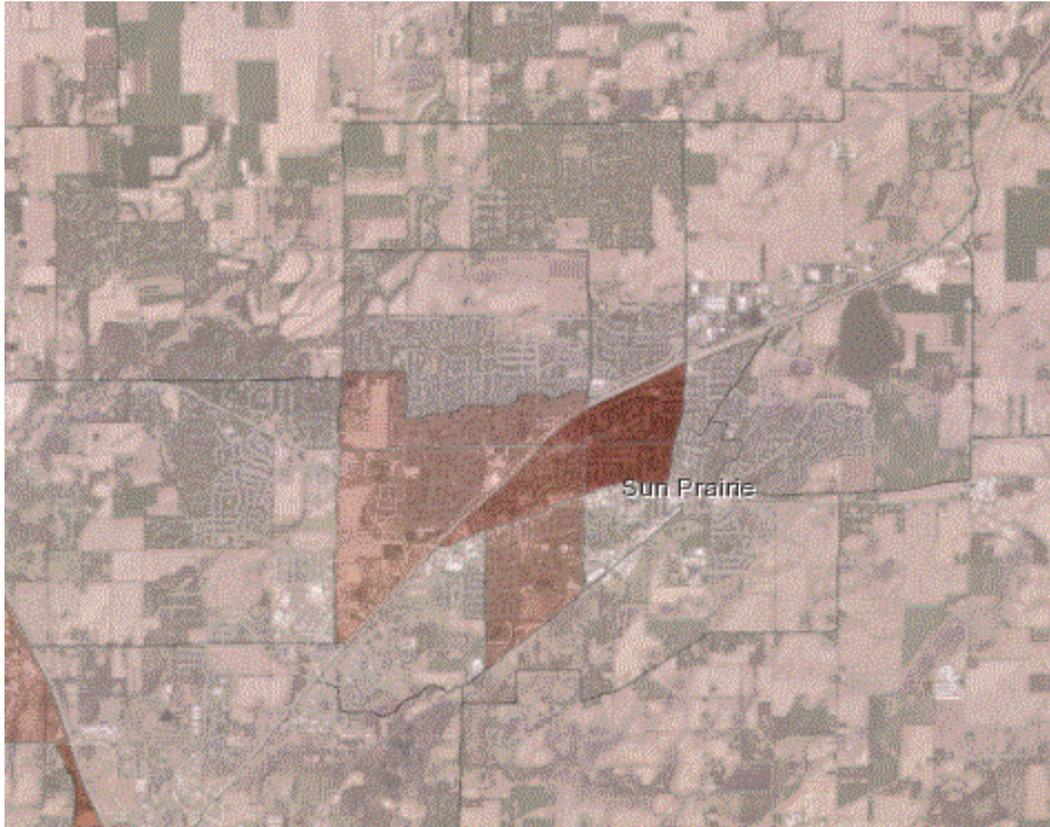
Oregon



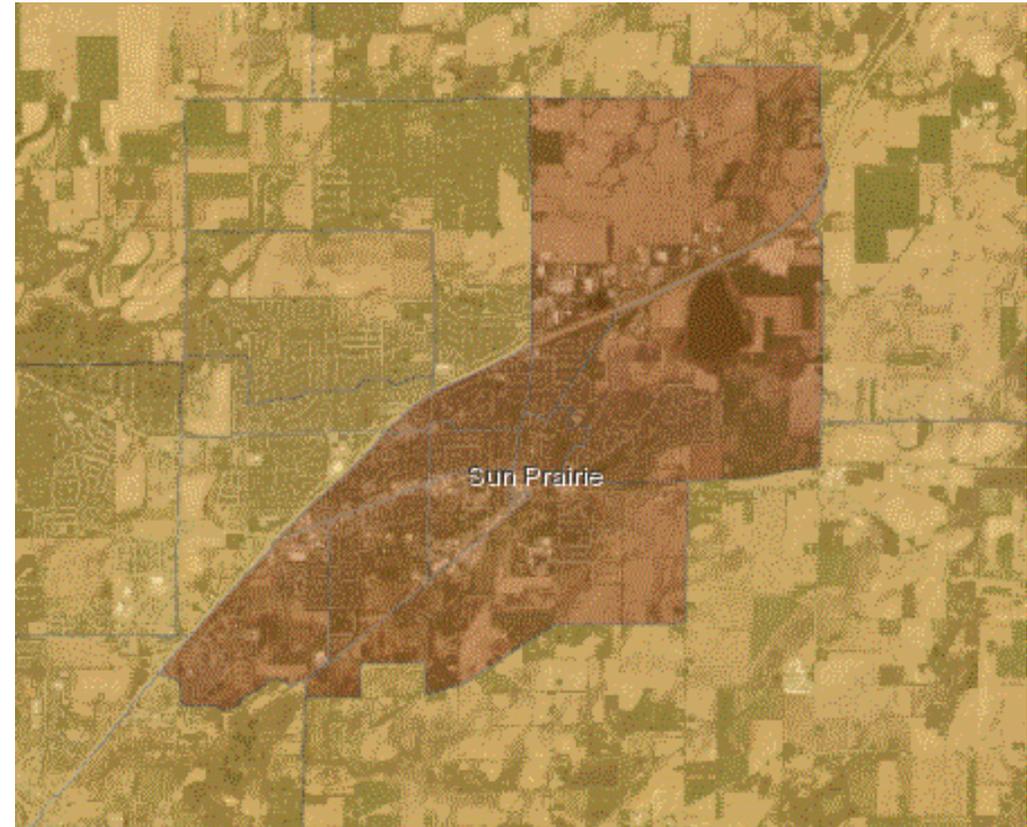
High social vulnerability areas/high percentage canopy decrease



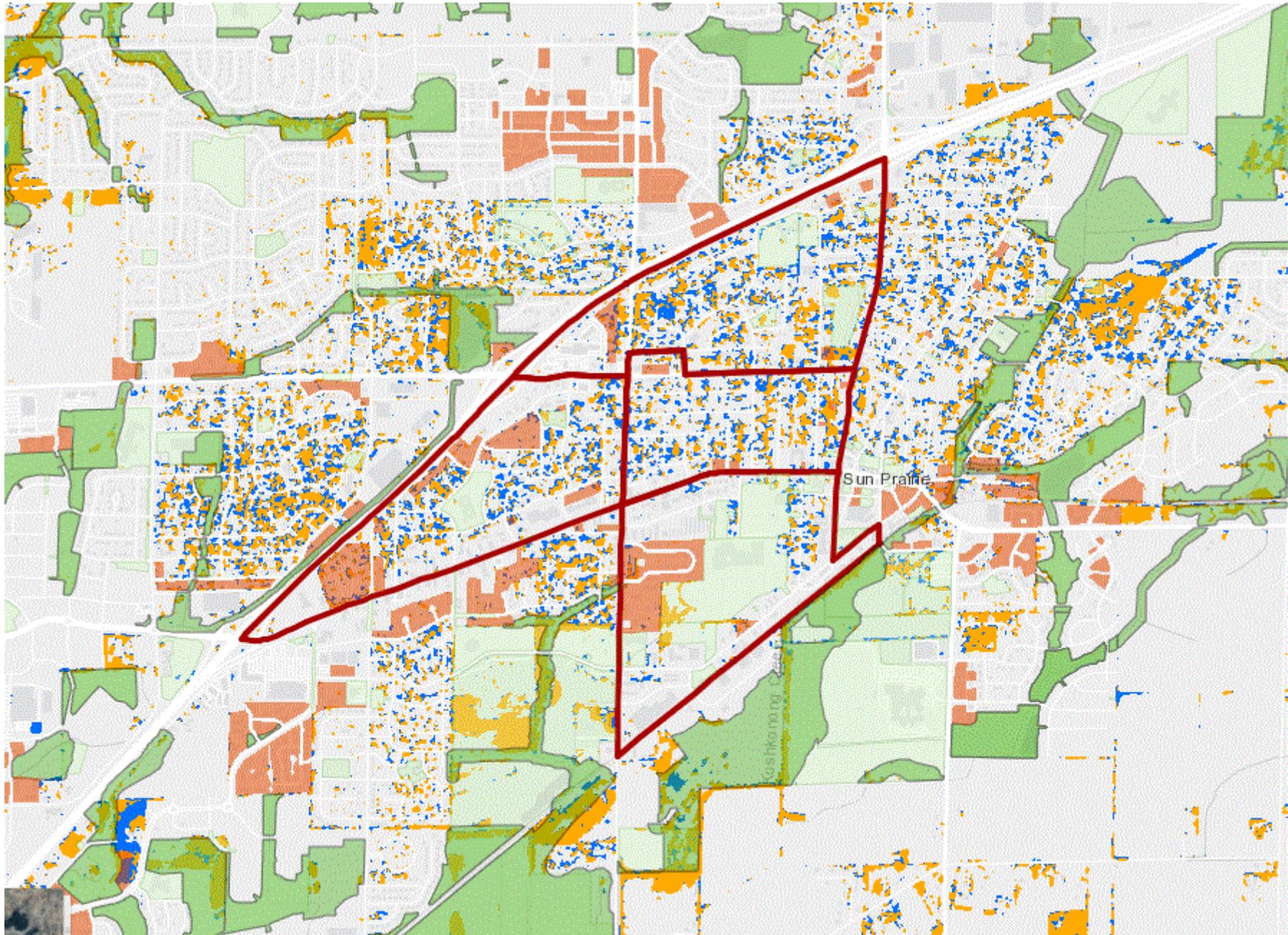
Sun Prairie



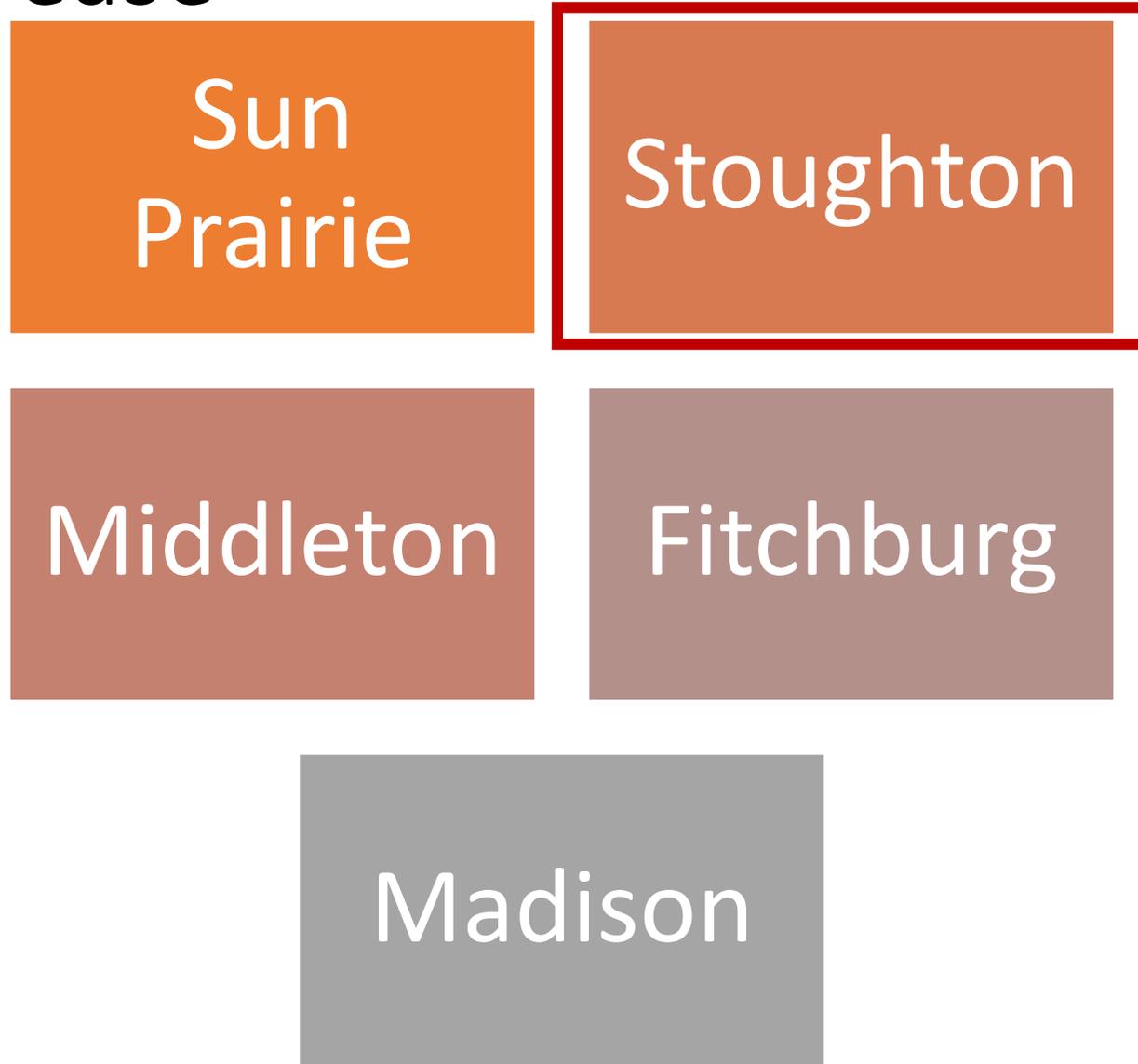
2010-2017 Canopy decrease



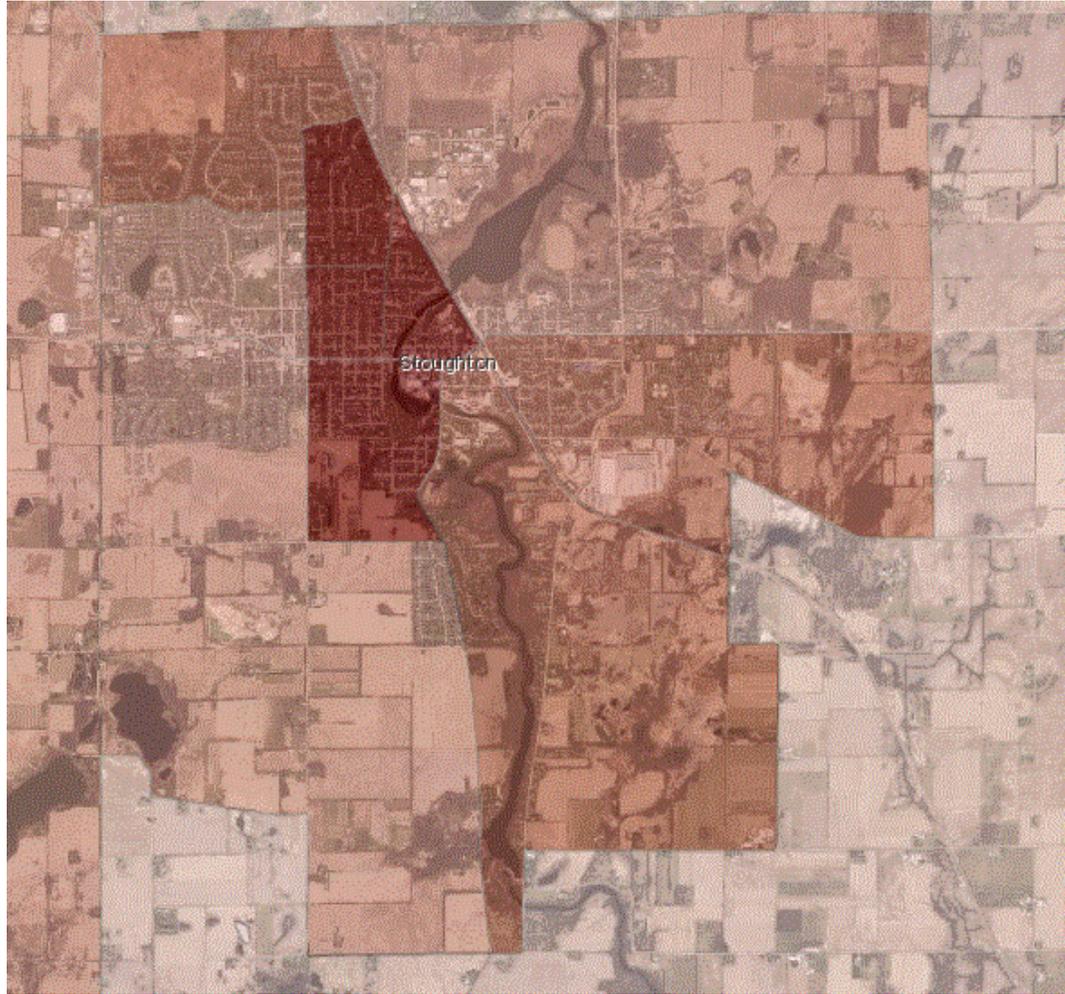
Social vulnerability



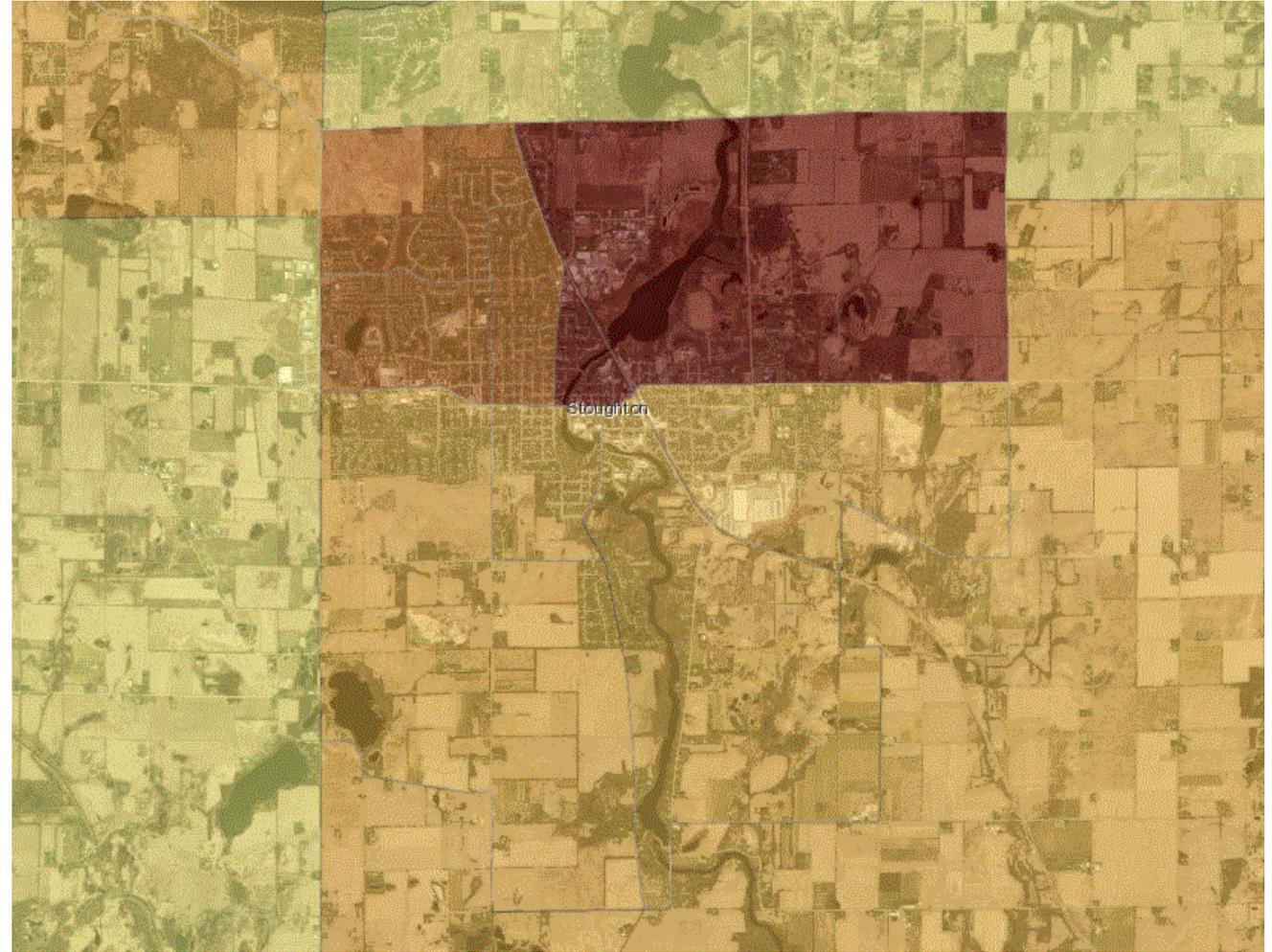
High social vulnerability areas/high percentage canopy decrease



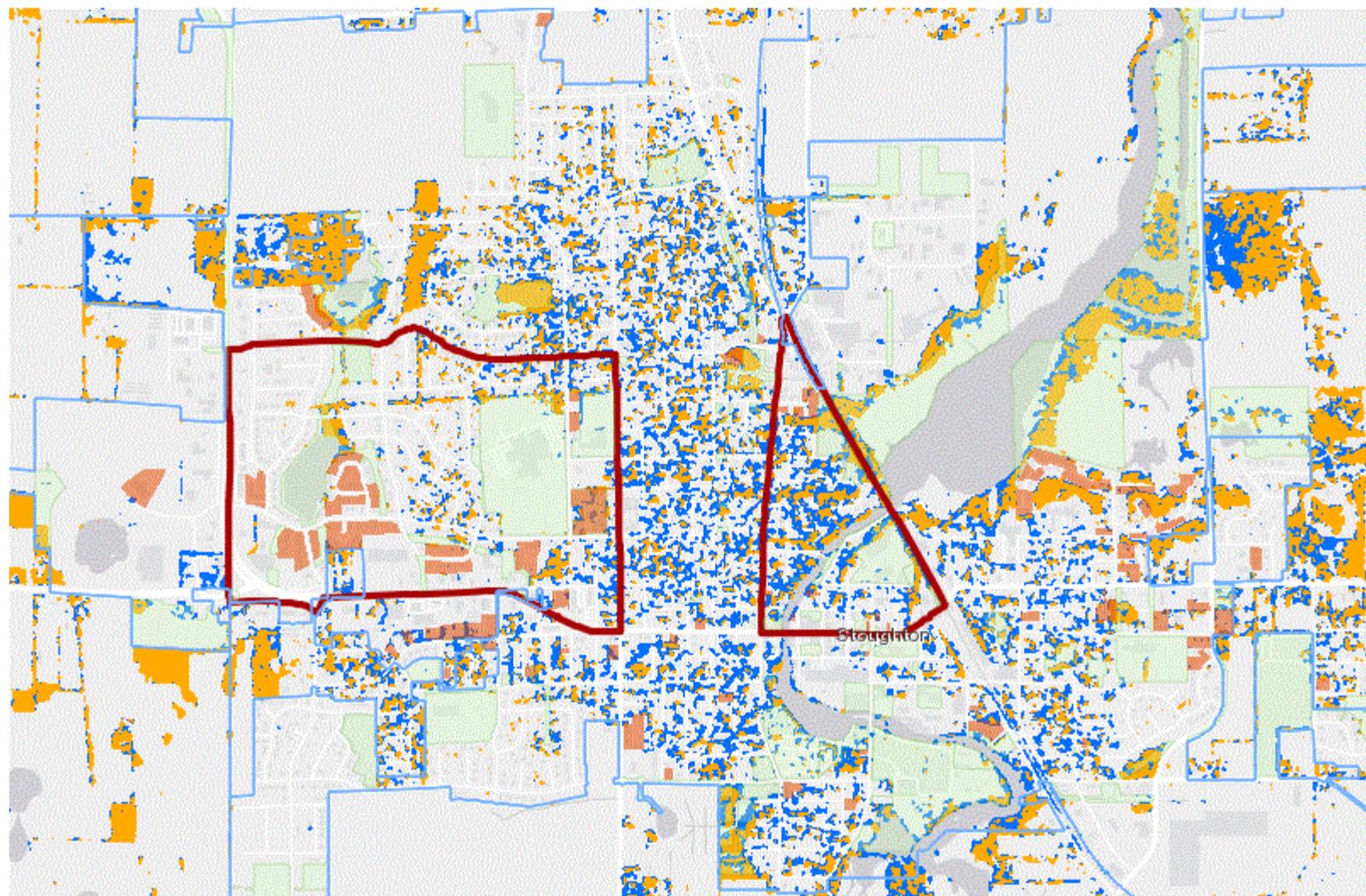
Stoughton



Canopy change 2010-2017



Social vulnerability



High social vulnerability areas/high percentage canopy decrease

Sun
Prairie

Stoughton

Middleton

Fitchburg

Madison

High social vulnerability

- Village of Marshall
- Monona

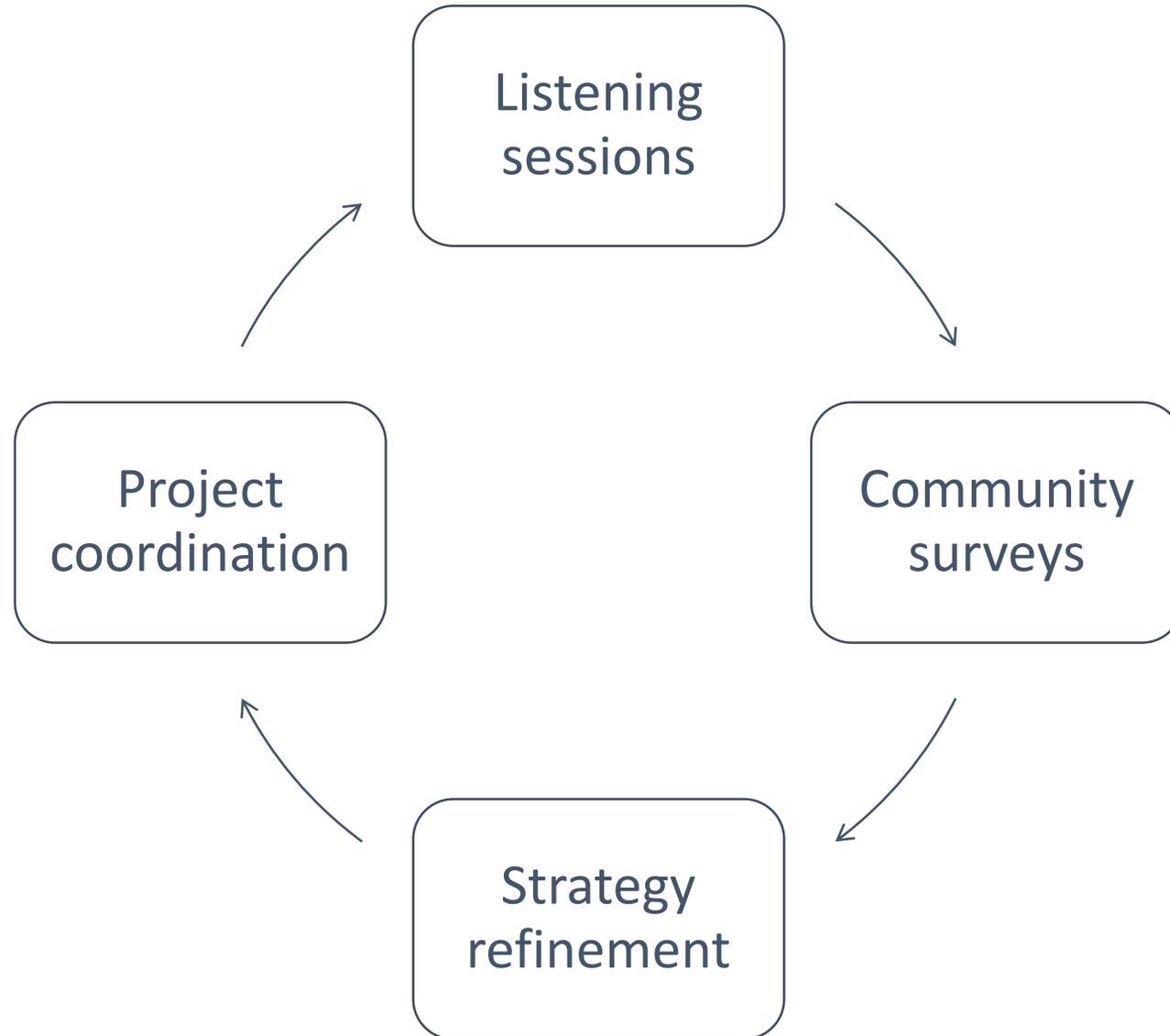
High canopy decrease

- Village of Brooklyn
- Town of Primrose
- Monona
- Village of Belleville

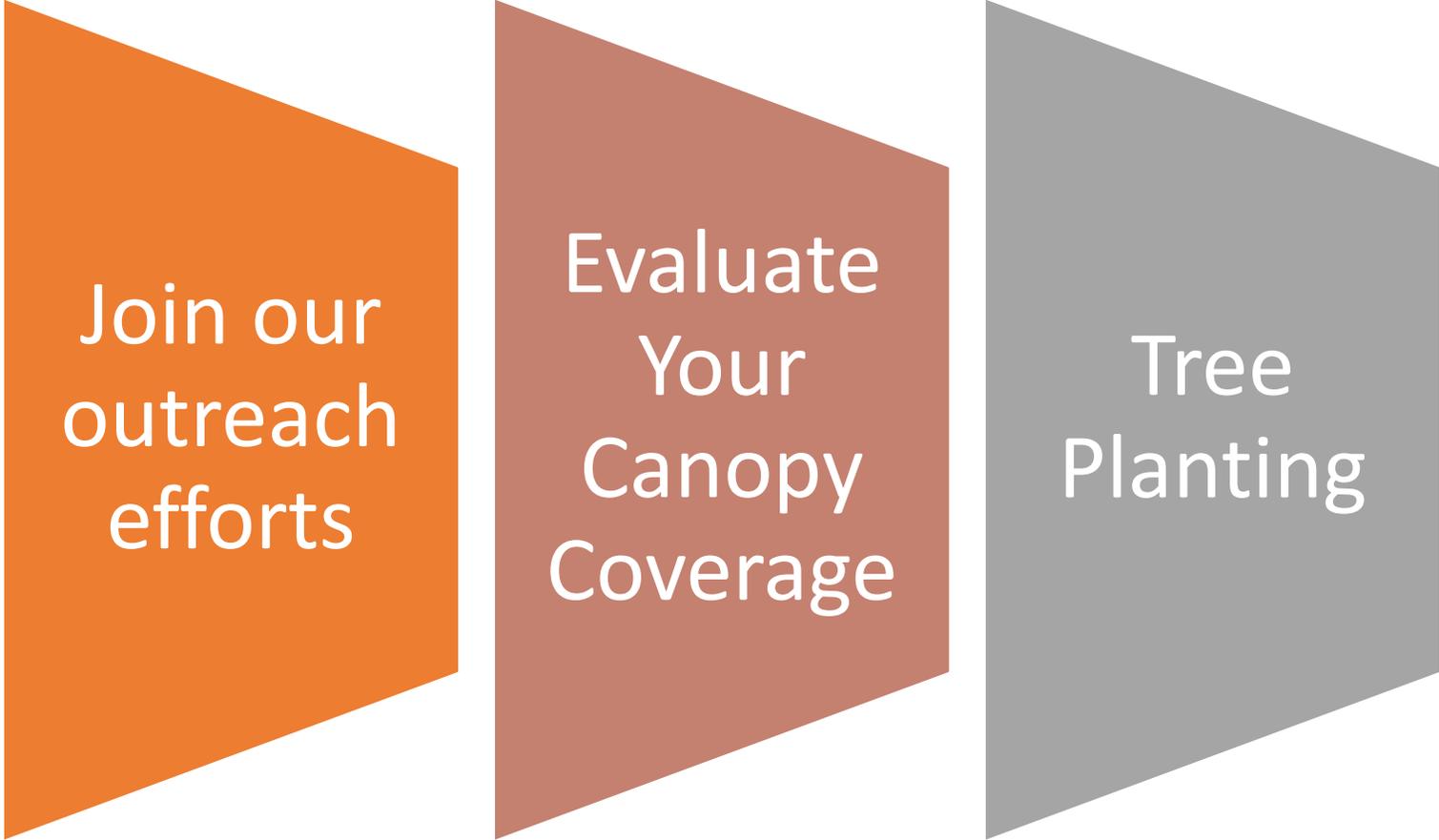
Historically low canopy coverage

- d

Outreach Strategy



How to Get Involved



Join our
outreach
efforts

Evaluate
Your
Canopy
Coverage

Tree
Planting

Askay.Melanie@countyofdane.com

Learn more: daneclimateaction.org/initiatives/treecanopy