

# Citywide Goal #5: Sustainable Environment



OUTCOMES SUMMIT  
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## Why is this Goal important?

- Our society and economy exist within an environment. This environment must be preserved now and for future generations.
- Nature cannot sustain itself with systematically increasing concentrations of materials extracted from the earth and dispersed, i.e. air and water pollution, and man-made substances that the earth cannot decompose, unsustainable degradation of earth's resources (i.e. deforestation, over-fishing, etc.), and conditions that undermine people's capacity to meet their needs.

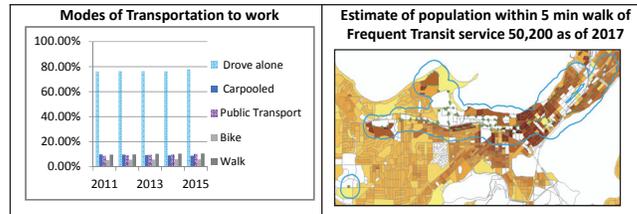
### **Equity Statement:**

- The negative health impacts from increasing concentrations of pollution and depletion of natural resources disproportionately impact populations that can least deal with these negative health impacts – the list includes, the elderly, persons with disabilities, the young, pregnant women, lower-income individuals, and people without adequate health care coverage. By decreasing these pollutants and restoring natural resources these populations will have more positive health outcomes.

# How will we know we are successful in achieving this Goal?

## Outcome 1: Diversify Transportation

- Indicator: a) Reduce drove alone vehicles to work by 50% in 2025 and b) 50% of population within 5- minute walk of frequent Transit service by 2025



Data:

Contributing Issues:

Positive	Negative
Air quality	Longer Travel Times on alternate modes of transportation
Increased awareness in alternate mode share for trips; Healthy and green life style choice	Transit oriented development is an ongoing process and not fully functional
Expensive Parking rates	Decrease in gas prices
Trip planning made easier due to technology	More Sprawl than infill in Land use
Less wear and tear of the roads due to fewer vehicles on the road	Lack of dedicated funding sources

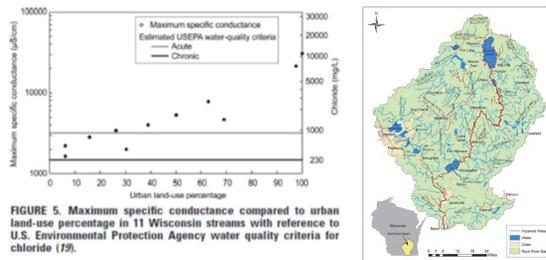
### Partners

- Traffic and Engineering
- Planning and Mayor's Office
- WisDOT

# How will we know we are successful in achieving this Goal?

## Outcome 2: Have safe, clean water

- Indicator: a) Reduce the input of road salt into local waterways and aquifers to environmentally sustainable levels b) Reduce the input of phosphorous into local waterways to comply with the Rock River TMDL by strengthening and expanding the City's non-point source pollution prevention programs.



Data:

Contributing Issues:

Positive	Negative
Madison as a community is very attentive to its drinking water quality.	Road salt is necessary to maintain safe roads in winter.
Madison values its aquatic resources highly.	Source of salinity is not entirely within City's control.
Phosphorus is a pollutant regulated by the EPA.	Proposed solutions may only have indirect effect on salt levels
Madison as a community is very attentive to its drinking water quality.	Large amount of phosphorous already removed by storm water management system and wastewater treatment facilities. Very costly to remove more phosphorous from within city limits.
Madison values its aquatic resources highly	Main source of phosphorous is from non-regulated agricultural lands in the Yahara watershed.
	Large amount of phosphorous already present in the system—regardless of reductions in inputs.

### Partners

- US Geological Survey
- Landscapers and salt applicators
- Metropolitan Sewerage District
- WisDNR
- USDA
- WisDATCAP
- Retailers

## How will we know we are successful in achieving this Goal?

### Outcome 3: Decrease the amount of waste material generated and sent to the landfill

- Indicator: Amount of material sent to the landfill versus amount recycled/diverted from the landfill at the below stated schedule: 2016-58% diverted, 2025-70% diverted, 2040-85% diverted, 2050-100% diverted.

Data:

The Streets Division maintains multiple spreadsheets regarding the weight of materials collected and recycled that can be tracked to show progress

#### Partners

Private Recyclers and Refuse

Recycling Companies

Other City Agencies

Contributing Issues:

Positive	Negative
Madison community by and large understands the importance of waste reduction and recycling	With limited resources, it is difficult to reach those who need help
	With limited resources, it is difficult to expand what materials can be recycled
	With limited resources, it is difficult to expand recycling opportunities for people by way of additional drop-off sites

## How will we know we are successful in achieving this Goal?

### Outcome 5: Diversify the urban forest

- Indicator: The percent of each tree species does not exceed 10% by the year 2060.

Data:

- EAB Task Force Report
- Tree Phylly.org (Philadelphia, PA)
- NYC Million Tree Initiative;
- Urban Forest Grant Program, Austin, TX
- Trees for Urban Planting: Diversity, Uniformity and Common Sense

#### Partners

Urban Tree Alliance

Neighborhood Associations

Funders

Contributing Issues:

Positive	Negative
Diverse tree species helps to encourage a diverse habitat for insects, birds and mammals.	Location of overhead power lines will dictate the species that can be planted in the terrace.
Canopy trees help to keep homes cool and reduce heat island effects in the city.	Cost of program to provide support and trees for planting trees on private property.
Where overhead power lines limit the ability to plant canopy trees in the terrace, programs could be developed to support planting canopy trees on private property.	Conflicts can result with urban wildlife.

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**Outcome 6: Stop the decline in pollinator population and create conditions that will increase the overall pollinator population**

- Indicator: Pollinator Annual Colony Loss.

➔ Data:



➔ Contributing Issues:

Positive	Negative
Agricultural decreasing use of pesticides will reduce the pollinators collateral damage	Agricultural prices may rise due to increase cost of farming with using pesticide alternatives
Identify and reserve pollinator friendly land from agricultural and/or human structures	Reduced land availability for commercial, housing or farming use
Legislation to reduce or use pollinator friendly pesticides sales in Dane County	Cost to implement is unknown and availability of anti-pollinator pesticide is available in adjoin counties and on-line vendors

## Partners

- Federal Pollinator Task Force
- DATCP
- Ag Marketing Service
- Dane County