

MADISON DEPARTMENT



OF TRANSPORTATION

# Transportation Demand Management Program

City of Madison Department of Transportation

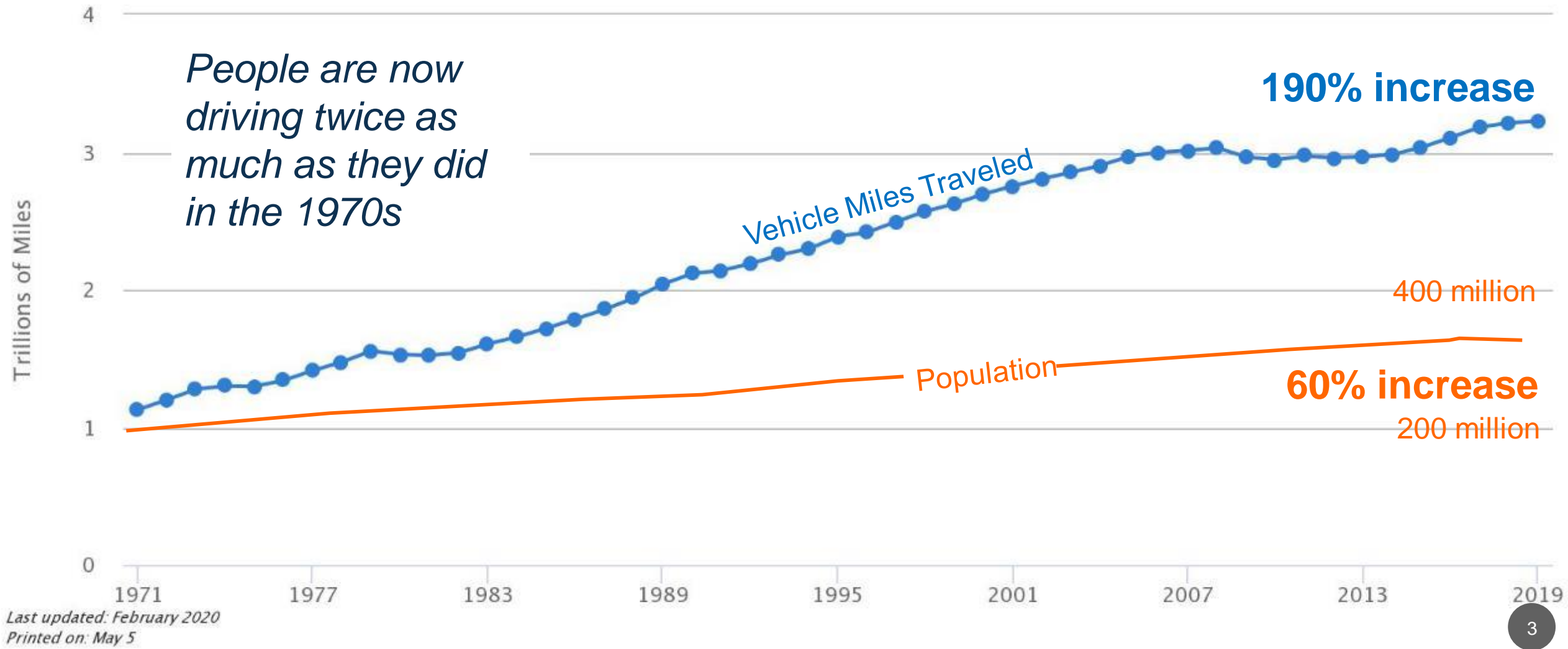
*Philip L. Gritzmacher, Jr., AICP*

# WHAT IS TRANSPORTATION DEMAND MANAGEMENT?

A package of policies and strategies designed to increase transportation system efficiency and shift travel patterns to reduce the number and length of single-occupancy vehicle (SOV) trips.



# Annual Vehicle Miles Traveled in the United States





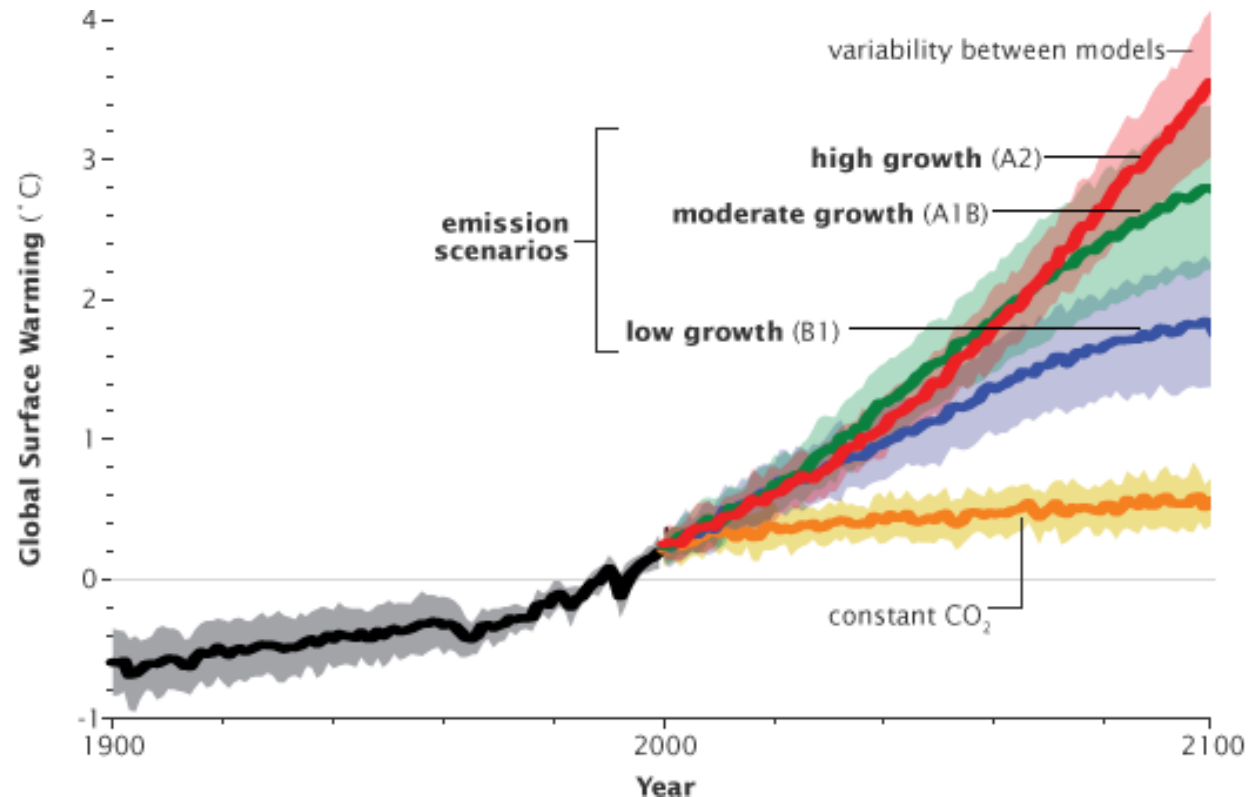
**At capacity with limited opportunities for expansion**

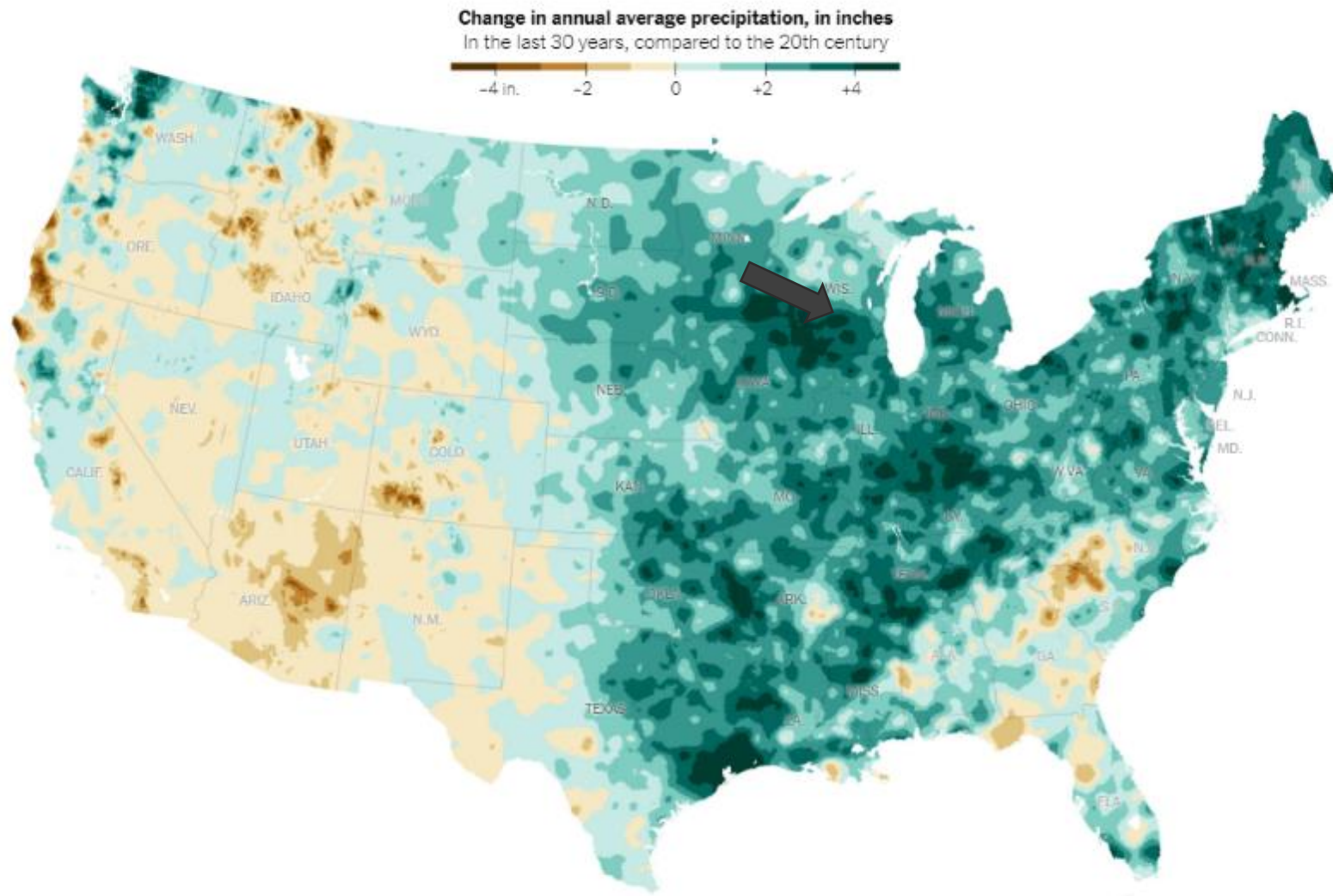


# *A Hotter Future Is Certain, Climate Panel Warns. But How Hot Is Up to Us.*

Some devastating impacts of global warming are now unavoidable, a major new scientific report finds. But there is still a short window to stop things from getting even worse.

## *NASA Prediction Models*





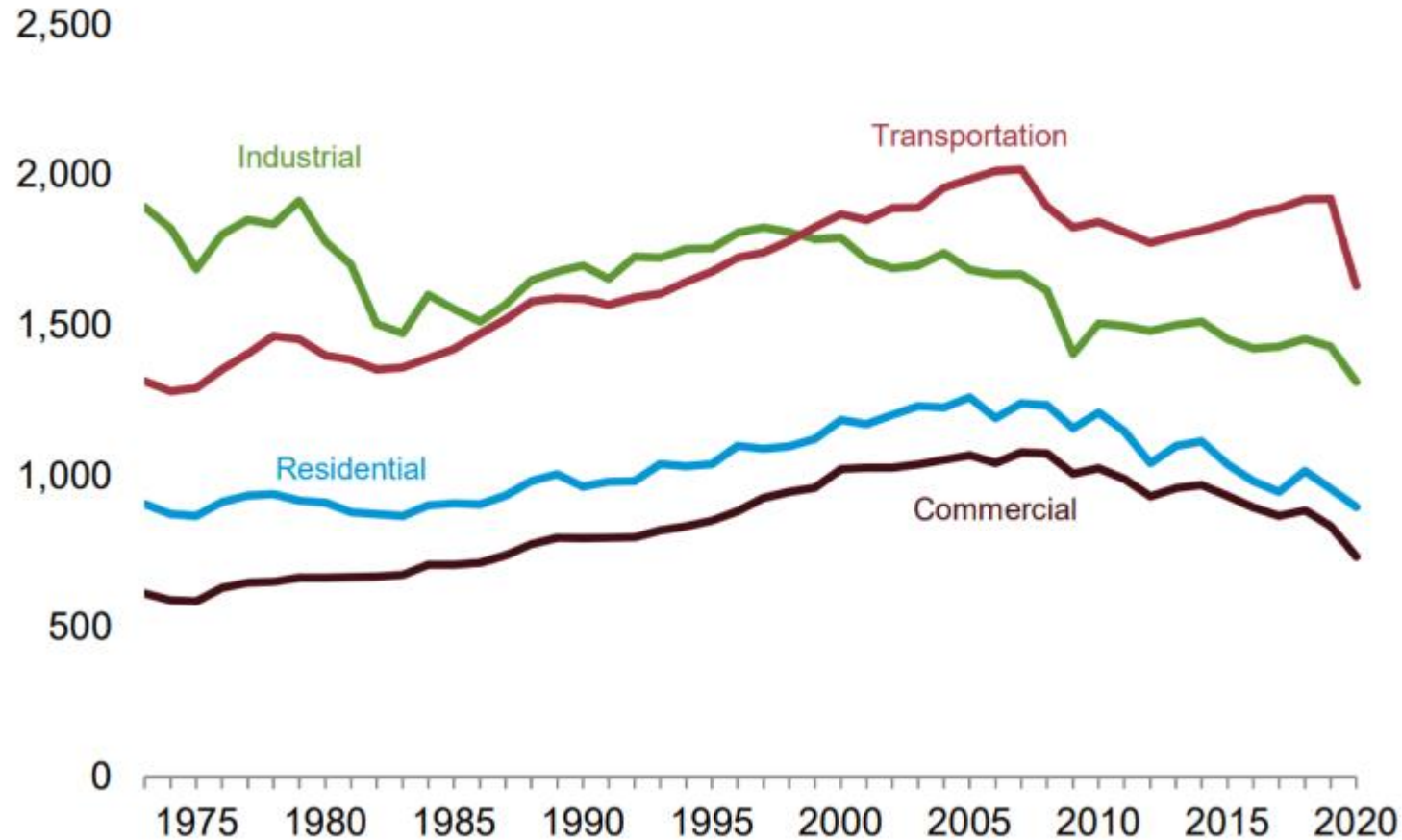
Source: [NOAA's National Centers for Environmental Information](#)





# Carbon Dioxide Emissions by Sector

Total [a] by End-Use Sector [b], 1973–2020

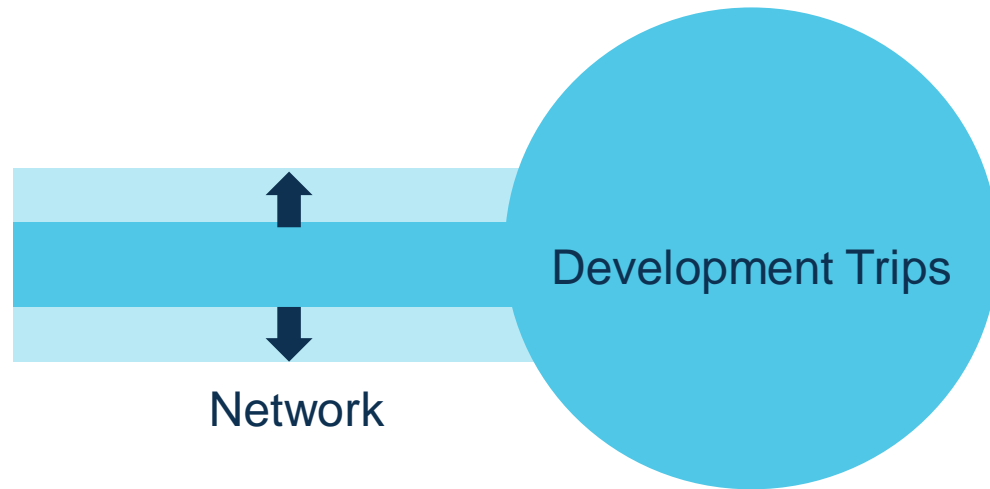


Transportation is the largest contributing sector



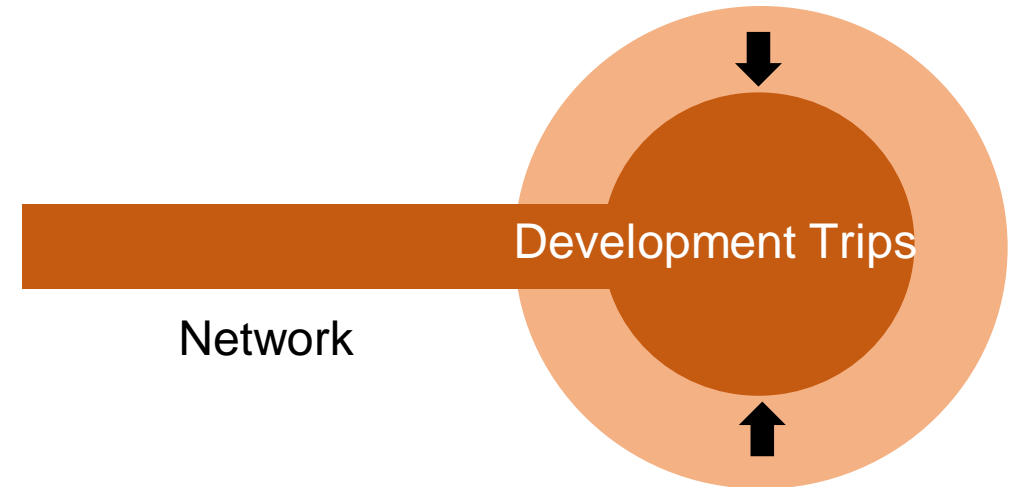
# Methods of Facilitating Growth

## Traditional



Increase network capacity to accommodate trips

## TDM



Reduce trips to accommodate network

Here are 200 people in 177 cars

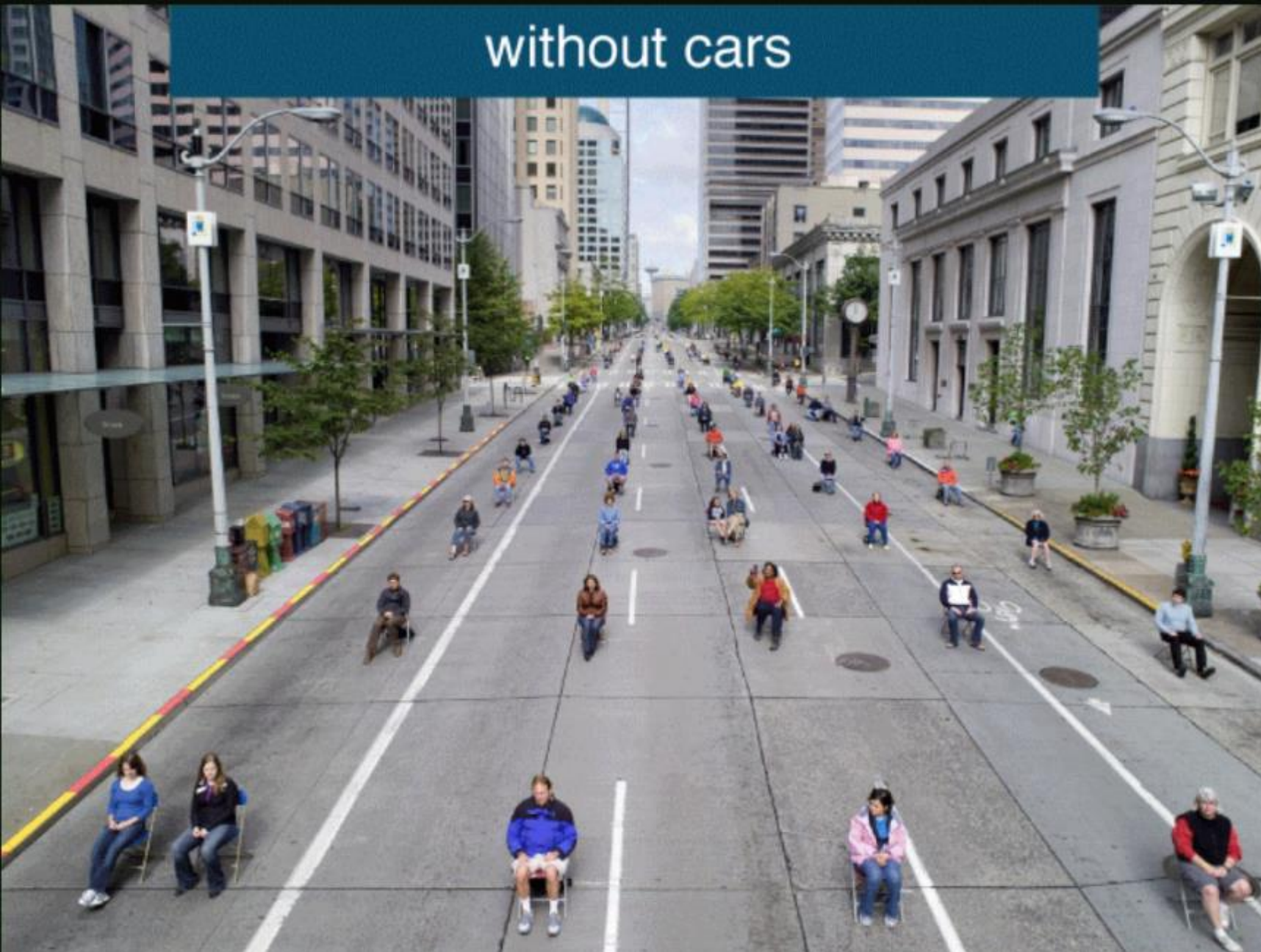


How Do We Do this?

- **Walking**
- **Biking**
- **Transit**



without cars



How Do We Do this?

- **Walking**
- **Biking**
- **Transit**



on 3 buses

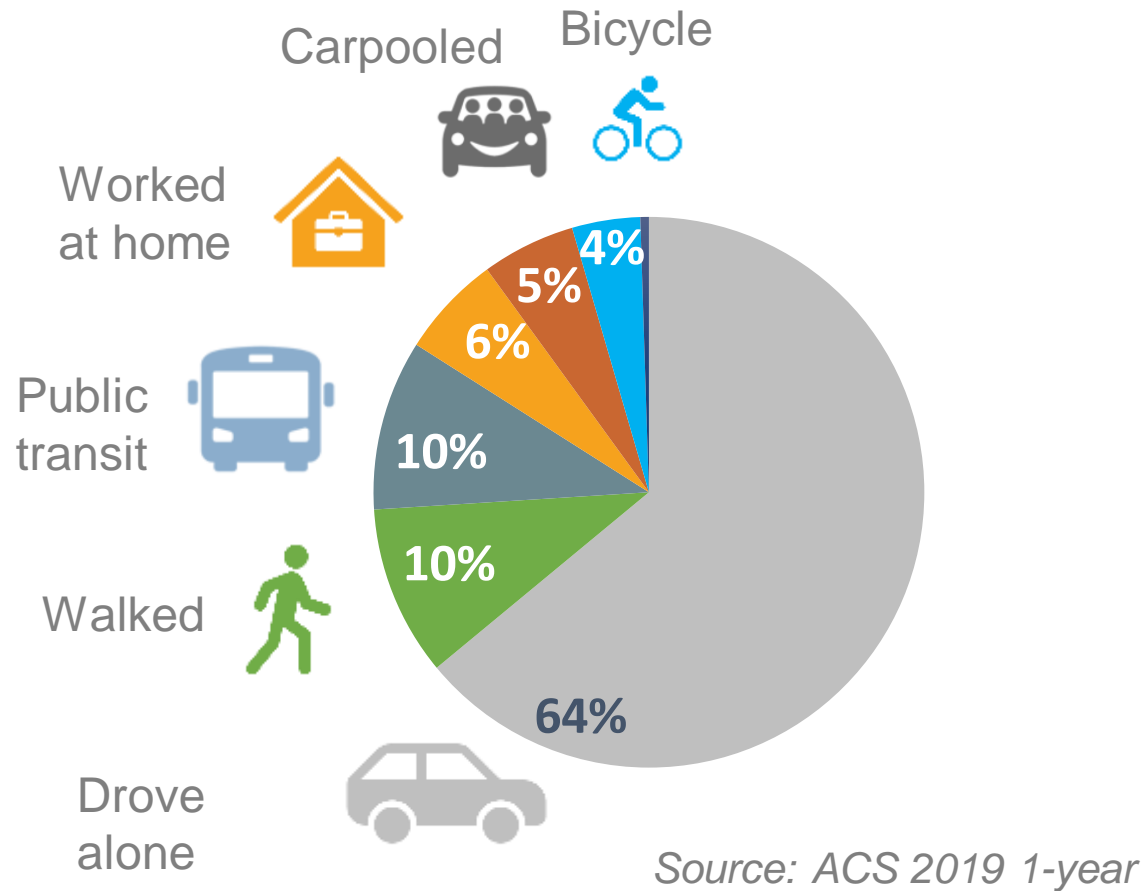


How Do We Do this?

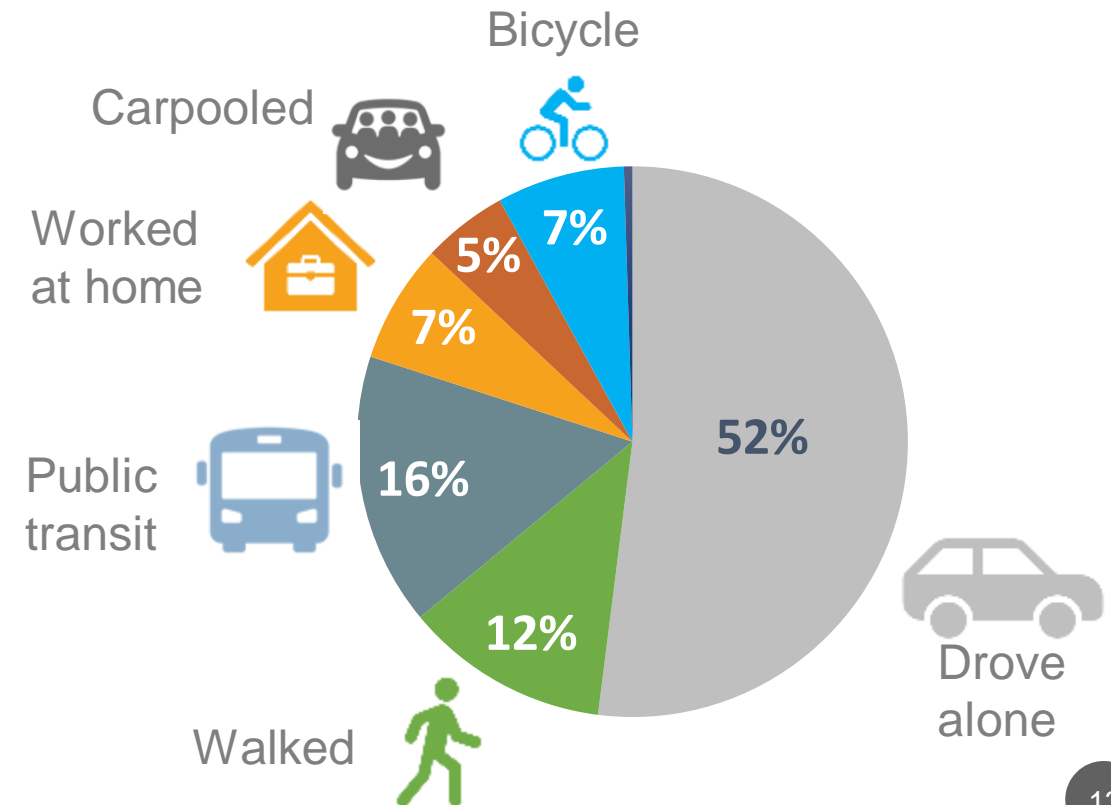
- **Walking**
- **Biking**
- **Transit**

# What Would a New TDM Program Do?

## Current Modeshare



## Modeshare After TDM



# Are TDM Programs Effective?

National Research shows that TDM strategies can reduce VMT by the following percentages



## MARKETING/EDUCATION

1% - 5%

Motivating people with information and incentives to modify travel behavior.



## PARKING MANAGEMENT

2% - 7%

Managing parking supply and demand, encouraging turnover of parking spaces and use of other modes of travel.



## CAR SHARING

1% - 2%

Using car-sharing services to easily rent a car only when you need one.



## ORDINANCES

5% - 15%

Using policy to incorporate TDM strategies into developments and employer commute programs.



## CARPPOOLING

1% - 15%

Encouraging and facilitating the sharing of rides. A vehicle is twice as efficient with two people in it!



## TRANSIT SUBSIDIES

3% - 10%

Encouraging use of public transit with financial incentives.



## TELECOMMUTING

1% - 5%

Working from home takes away the dreaded commute entirely!



## LAND USE

5% - 20%

Reducing the need to travel by vehicle through land use policy.

\*Based on data from the research report, "Quantifying Greenhouse Gas Mitigation Measures," by the California Air Pollution Control Officers Association. August 2011 taken from Austin's TDM Explainer



# Examples of Communities with TDM Programs

Arlington Co VA  
Atlanta GA  
Austin TX  
Bellevue WA  
Boca Raton FL  
Boulder CO  
Buffalo NY  
Cambridge MA  
Carlsbad CA  
Chula Vista CA  
Dallas TX  
Denver CO  
Everett WA  
Fairfax VA  
Fort Washington PA

Glendale CA  
Hayward CA  
Irvine CA  
La Crosse WI  
Los Angeles CA  
Monterey CA  
Montgomery CO MD  
Montgomery Co PA  
New York City NY  
Newark NJ  
Oregon City OR  
Orlando FL  
Palo Alto CA  
Park City UT  
Pasadena CA

Pittsburg PA  
Pleasanton CA  
Portland ME  
Portland OR  
Richmond CA  
Sacramento CA  
San Diego CA  
San Francisco CA  
San Jose CA  
San Ramon CA  
Santa Monica CA  
Seattle WA  
St Paul MN  
West Hollywood CA  
\*\*UW-Madison

# TDM is Aligned with City Plan Strategies



## Strategy 5 Action:

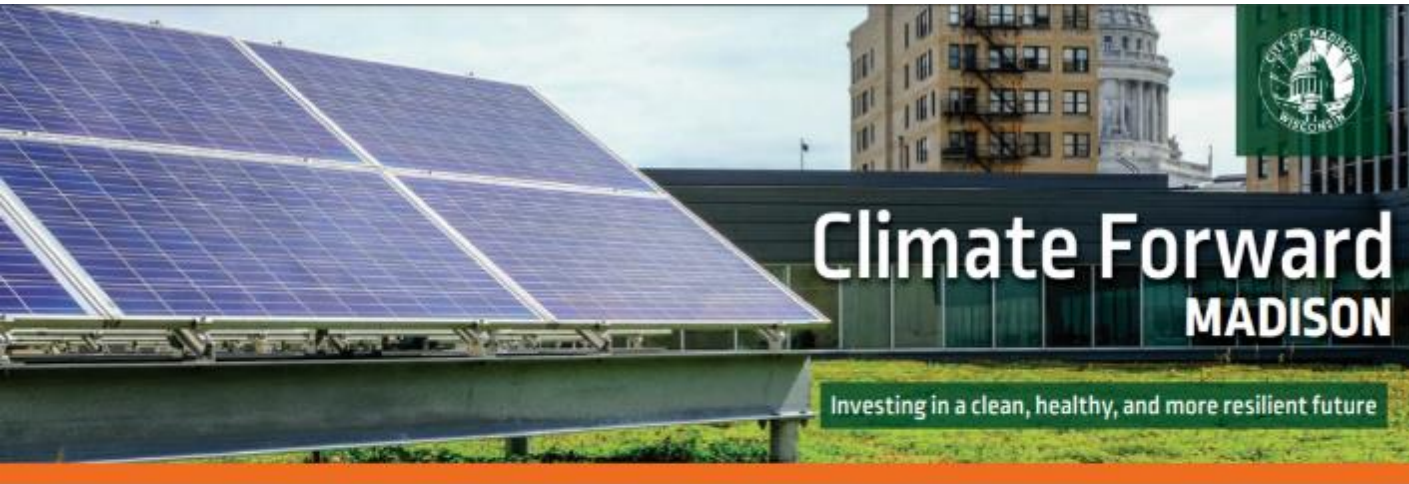
c) Facilitate the creation of transportation management associations and implementation of **TDM strategies to serve high-intensity development** at Activity Centers and along major transit corridors.



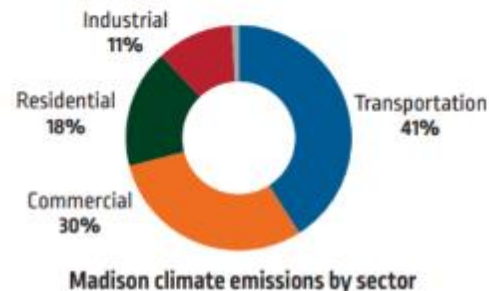
## Priority Recommendations:

11. Develop a prototype TMA in Madison, at an appropriate area of the city, to organize individual employers and **administer TDM initiatives**.
12. Evaluate employer-based **TDM measures to increase the use of alternatives to the SOV** and reduce the need for parking.

# Aligned With Sustainability Vision



**Climate change threatens our health, our economy, our environment, and our quality of life.** Simply put, it is one of the greatest threats of our time, and we all need to do our part to fix it. Madison is ready to do its part. We know that making a big dent in our emissions will mean doing things a little differently. Luckily, changing our ways comes with a lot of benefits – cleaner air and water, lower asthma rates, lower energy bills, less flooding, and more jobs. Madison is ready to step up and build a better economy and community for our future.



## #3 Continue to invest in transit and other low-carbon transportation modes

- Charge forward by constructing a bus rapid transit system with clean electric buses
- Continue improving and expanding Metro routing to provide fast, frequent service
- Require new development to incorporate features that help future residents and workers get around without a car
- Construct bike lanes and bike paths to eliminate barriers and reach unserved areas
- Keep improving our street crossing to improve access and connectivity for walking

Source: Climate Forward Agenda Unveiled by Mayor Rhodes-Conway on 21<sup>st</sup> April 2021



# TDM In Madison Land Use Regulations

## Conditional Use

*Give consideration to TDM measures and participation in a transportation management association (TMA).*

## Planned Development District

*A TDM plan may be required to resolve traffic and parking concerns. It should include measurable goals, strategies, and actions to encourage travelers to use alternatives to driving alone, especially at congested times of day.*

## Employment Campus District

*Requirement of master plan for any rezoning submittal which needs to have a TDM Plan with measurable goals, strategies, and actions to encourage non-SOV trips.*

## Mixed Use Center District

*City Traffic Engineer may require a traffic impact analysis (TIA) to determine the impacts of the District. A TDM plan may be required to resolve traffic and parking concerns.*

## Big-box Retail

*Single retail business establishments of or over 40,000 sq. ft. with 100 or more full-time employees are required to have a TDM Plan or participate in a TMA.*

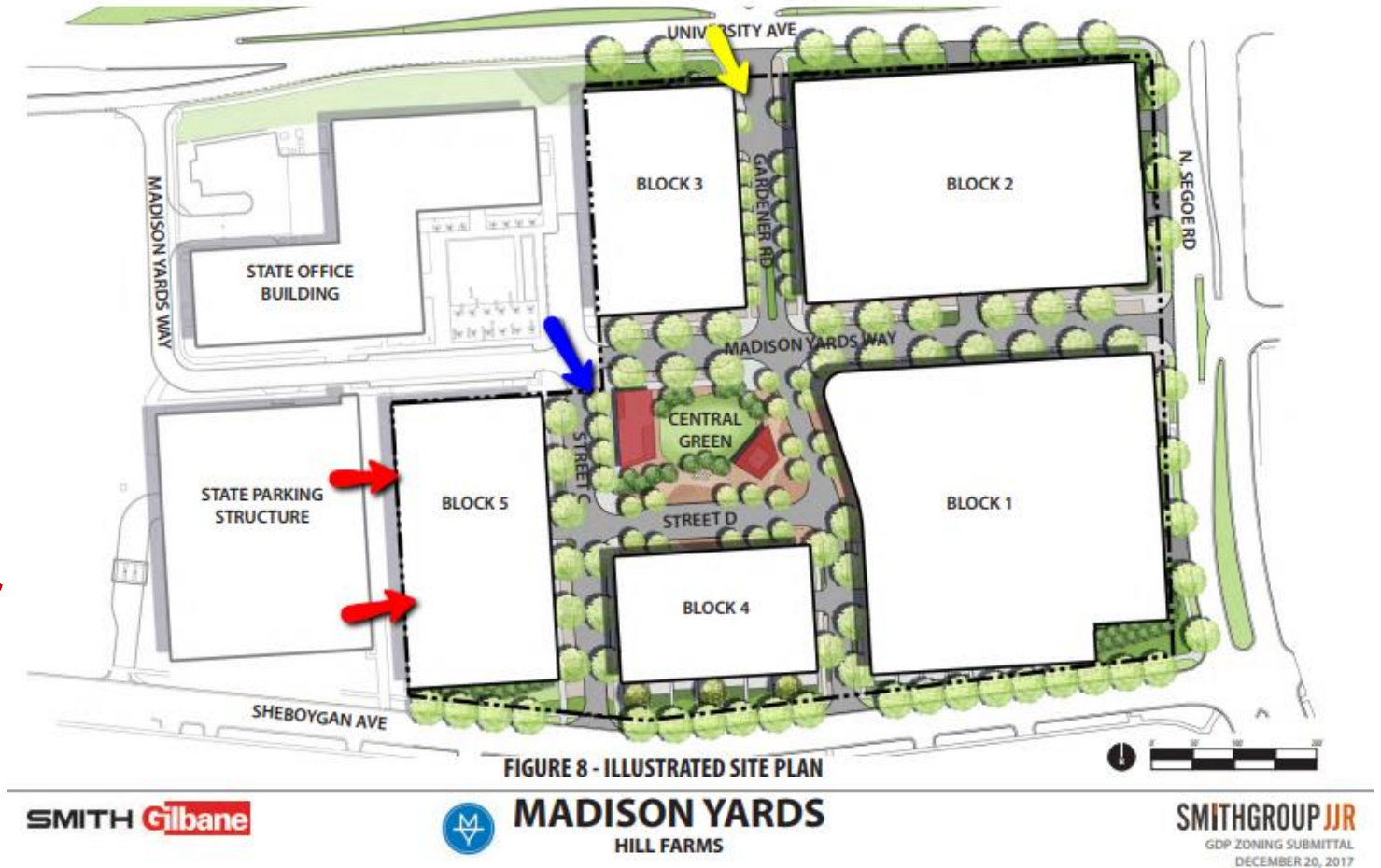


# Current TDM Challenges

- Madison has been requesting/requiring some form of TDM and transportation impact mitigation through the development review process for over 20 years.
- Its application has been uneven.
- Developers are unsure what TDM measures may be required.
- Plan Commission and Council members struggle to determine how many TDM measures are enough to warrant approval – leading to prolonged discussions.
- Environment of uncertainty for developers and policy makers.

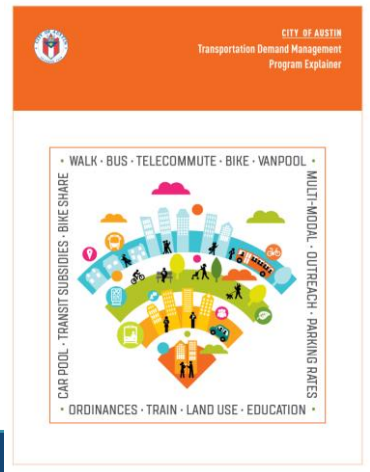
# TDM in Madison – Madison Yards

- 4/13/20 PC
- 4/27/20 PC
- 5/19/20 CC
- 6/8/20 PC
- 6/17/20 TPPB
- 7/14/20 CC – over 1 hour
- 7/27/20 CC

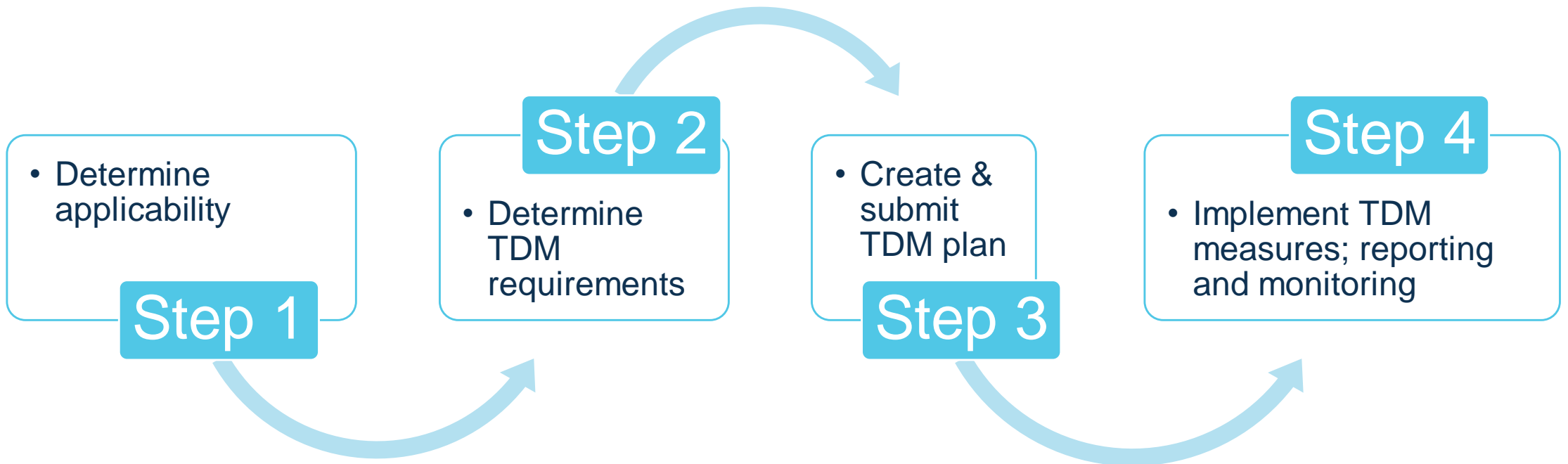




# Communities Across the Country are Implementing TDM Programs



# Madison's Proposed TDM Process



# Factors That Determine TDM Requirements



## Land use(s)

Requirements and measures vary across residential and non-residential uses (employment, commercial, institutional).



## Development size

Requirements are proportional to the development size, i.e., number of residential units or non-residential floor area.



## Proposed parking

Requirements also depend on parking capacity. Higher parking ratios mean more TDM requirements.



## Location

Proximity to transit service provides base points. Ability to implement measures influences TDM requirements.



# Identify Mitigation Measures

- Each measure is worth points ranging from one to ten.
- Points depend on efficacy in reducing vehicle travel, documented best practices, cost, and contextual relevance for Madison.
- Measures may include modifiers for proximity to transportation services (transit, carshare, bikeshare)

Category	Code	TDM Measures	Max Ppints
Active Transportation	AT-1	Dedicated Access to Bike Parking	1
	AT-2	Indoor Covered Bike Parking	1
	AT-3	Bicycle Maintenance Facilities	1
	AT-4	Clothes Lockers and Showers	1
	AT-5	Bicycle Lockers or Secure Storage Room	2
	AT-6	Shared Fleet of Bikes for On-site Users	2
	AT-7	Off-site Bike Infrastructure	1-4
	AT-8	Off-site pedestrian infrastructure	1-4
	AT-9	Traffic calming	1-4
Transit	T-1	Validate Transit Passes for Visitors	1
	T-2	Subsidize Monthly Transit Passes OR Daily Passes	1-3
	T-3	Fund Transit Facilities and Amenities	1-4
	T-4	Complementary Transit Passes	7
Parking Management	P-1	Cash out for employees	10
	P-2	Unbundle Parking	10
	P-3	Market-Rate Parking Fees	10
	P-4	Shared Parking Agreement or Off-Site Parking	5
	P-5	Carpool preferential/free parking	1
Shared Mobility	SM-1	Provide a Shuttle bus	3
	SM-2	Provide Vanpool	3
	SM-3	Provide car share parking space.	2
	SM-4	Car share memberships	2
	SM-5	Install a bike share station	6
	SM-6	Provide memberships to employees and residents	2
	SM-7	Emergency Ride Home program	2
	SM-8	Shared Fleet of Vehicles	1
Information & Communication	I-1	Marketing & informational campaign	1
	I-2	Multimodal wayfinding signs	1
	I-3	Alternative Transportation Kiosk	2
Delivery	D-1	Delivery Supportive Amenities	1
	D2	Package Drop-Off Area	2
	D-3	Provide VMT-Reducing Delivery Services	1
Land Use	LU-1	Affordable Housing at 30% AMI	1-10
	LU-2	Affordable Housing at 60% AMI	1-5
	LU-3	Add Land Use Mix	1-5
	LU-4	On-site Daycare Facility	4
	LU-5	Provide Other Specific Trip-reducing Service	1
Employer Policies	EP-1	Flexible Work Schedules Policy	1
	EP-2	Work from Home Policy	1
Other	O-1	Join a Transportation Management Association (TMA)	1
	O-2	Innovative measure	As desired

Developments in “General Urban” would only be required to meet 90% of the score of a development in Downtown

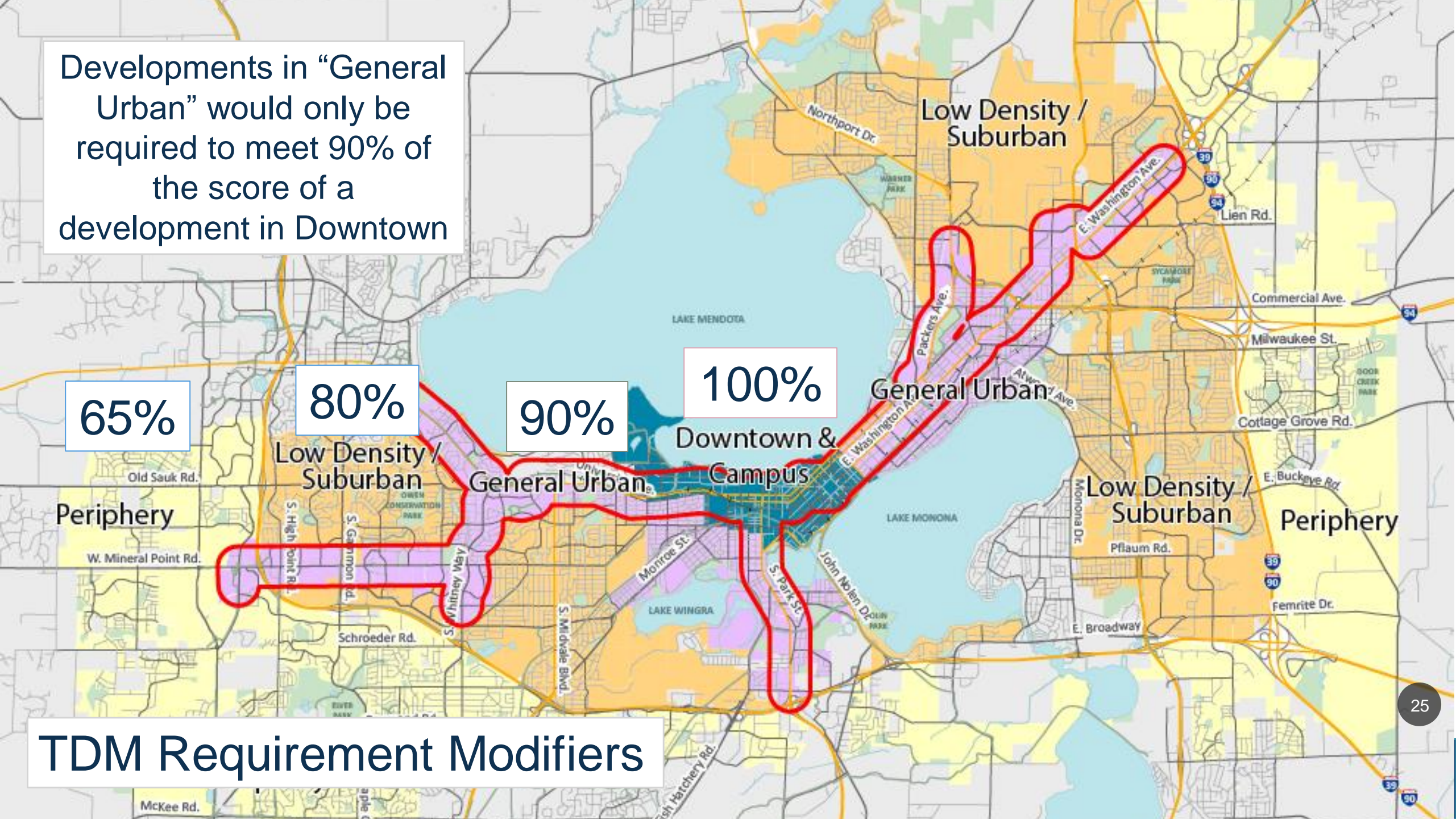
65%

80%

90%

100%

TDM Requirement Modifiers





**1 point**  
*Peak Only*

**3 points**  
All-day

**5 points**  
*BRT*

Points provided in future BRT service area to encourage development along corridor.

# Transit Mitigation Points



# Would Use TDM Tool For Process

## Proximity to Alternative Transportation

With all-day transit service area?

No

[Click here for Map \(coming soon\)](#)

With 1/4 mile of bike sharing station?

No

[Click here for Map](#)

With 1/4 mile of car sharing station?

No

[Click here for Map](#)

## What Zone is your Project Located In

Low Density / Suburb [Click here for Density Zone Map \(coming soon\)](#)

## What kind of Project is this?

Residential

Use Category (or categories)

## Project Details

Enter project information into the boxes marked in blue. To find minimum parking required by ordinance for Commercial, Educational, or Institutional uses, go to:

[Chapter 28.141 of the Municipal Code -- Table 28I-3. Off-Street Parking Requirements.](#)

### Residential Use Characteristics

100	Number of Dwelling Units
150	Parking Provided
1.50	Parking Ratio
18	TDM Required

### Employment Use Characteristics

	Floor area square footage
	Parking Provided
	Parking Provided per 500 sq ft
N/A	TDM Required

### Commercial Use Characteristics

	Floor area square footage
	Parking Provided
	Parking Minimum by Ordinance
0.25	Parking Ratio of Provided to Min
N/A	TDM Required

### Educational Use Characteristics

	# of Students
	Parking Provided
	Parking Minimum by Ordinance
0.00	Parking Ratio of Provided to Min
N/A	TDM Required

### Institutional Use Characteristics

	Floor area square footage
	Parking Provided
	Parking Minimum by Ordinance
0.25	Parking Ratio of Provided to Min
N/A	TDM Required

### Required Points

18	Residential	Residential
	Employment	Employment
	Commercial	Commercial
	Educational	Educational
	Institutional	Institutional

### Provided Points

23	Residential
	Employment
	Commercial
	Educational
	Institutional

### Compliant

YES

(Calculated based on your inputs from Step 1)

## VMT Reduction Strategies

All Blue Boxes Require Additional Input. Please Fill In!

### Active Transportation Strategies

<input checked="" type="checkbox"/>	Infrastructure	Dedicated Access to Bike Parking	1	Provide a convenient and separate access to the bike parking area without stairs (e.g. on the same level as the entrance, or via a ramp or elevator).
<input checked="" type="checkbox"/>	Infrastructure	Indoor covered bike parking near Entrance	1	Locate the bike parking in a covered, indoor space, less than 100 feet from the main entrance.
<input checked="" type="checkbox"/>	Infrastructure	Bicycle Maintenance Facilities	1	Provide a bicycle maintenance station for on-site employees, tenants, residents and visitors. Tools and supplies should include at minimum: a bicycle pump, wrenches, a chain tool, lubricants, tire levers, hex keys/ Allen wrenches, torx keys, screwdrivers, and spoke wrenches.
<input type="checkbox"/>	Infrastructure	Clothes Lockers and Showers	1	Provide 1 shower along with 5 clothes lockers for every 30-50 bike parking spaces.
<input type="checkbox"/>	Infrastructure	Bicycle Lockers or Secure Storage Room	2	Provide lockers for secure, long-term storage of bikes: 1 locker for every 20 DUs or 30 employees.
<input type="checkbox"/>	Programmatic	Shared Fleet of Bicycles	2	Provide an on-site shared fleet of free loner bicycles for use by residents/ employees. Fleet should include at least 1 bicycle for every 10 DUs or 30 employees, with a minimum of 5 bikes.
<input checked="" type="checkbox"/>	Infrastructure	Improve Surrounding <u>Pedestrian</u> Infrastructure	4	Improve pedestrian infrastructure (side walks, curb ramps, crosswalk, RRFB, etc.) on adjacent properties within 500 ft. of project consistent with city plans and ordinances and federal accessibility requirements. 1 point per 100ft of infrastructure, up to 4 total points.
<input type="checkbox"/>	Infrastructure	Improve Surrounding <u>Bicycle</u> Infrastructure	0	Improve bicycle infrastructure (bicycle lanes, cycle tracks, new crossings, bike-ped paths, etc.) within 500 ft. of project consistent with city plans, ordinances, and federal requirements. One point per amenity or one point per 100 ft. of infrastructure, up to 4 points.
<input checked="" type="checkbox"/>	Infrastructure	Traffic Calming Measures	2	Install traffic calming measures such as speed humps and roundabouts. One point per small-dollar measure (e.g. pedestrian flags, temporary speed hump) and two points per large-dollar measure (e.g. RRFB, permanent speed hump). Must be located within 500 ft. of project and be consistent with city plans, ordinances, and federal requirements. One point per amenity or one point per 100ft of infrastructure, up to 4 points.

### Transit Strategies

The the project within the all-day transit service area?  
Measures worth 50% less if not. (From Step 1)

No

<input type="checkbox"/>	Programmatic	Validate Transit Passes for Visitors	1	Validate Transit Passes for all residents, employees, or visitors
<input type="checkbox"/>	Programmatic	Subsidize Monthly Transit Passes OR daily passes	% subsidy 50%	Points 0.75
<input type="checkbox"/>	Infrastructure	Fund transit facilities and amenities	# Inc. 0	Points 0
<input type="checkbox"/>	Programmatic	Complementary Transit Passes	3.5	Provide complementary monthly transit passes to employees/residents (one per DU or employee).

# Other Considerations

- Program would go into effect 6 months after approval
- Program would not impact existing properties until:
  - Expansion of Parking
  - Expansion of Use
  - Change of Use
  - Redevelopment

# Modifications due to Stakeholder Feedback

- Have made approximately 40 modifications to program due to developer/stakeholder feedback
- Feedback has made program more feasible & implementable
- Changes hopefully reduce burden while maintain effectiveness



## Department of Transportation

Thomas Lynch, PE, PTOE, PTP, AICP, Director of Transportation

Madison Municipal Building  
215 Martin Luther King Jr Blvd  
Suite 109  
P.O. Box 2986  
Madison, Wisconsin 53701-2986  
Phone: (608) 266-4761  
Fax: (608) 267-1158

September 28, 2022

Re: Proposed Changes to Draft TDM Measures

From: Philip Gritzmacher, AICP

Since developing the final draft of the TDM program in December 2021, DOT staff has revised the program in response for feedback from other city staff, elected officials, and impacted stakeholders. Generally, the plan was revised to ensure that the plan is achievable, equitable, and fair for all that may take part in the program. These refinements include:

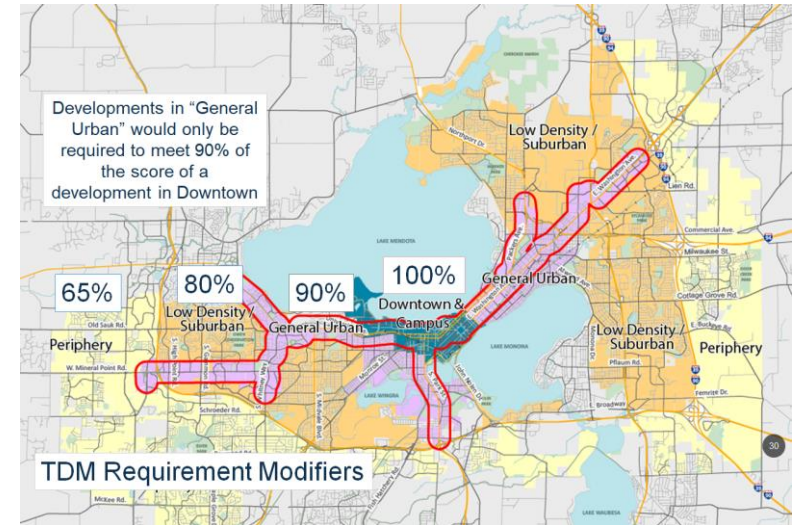
### Adjustments of Mitigation Measure Definitions and Values

- Indoor Covered Bike Parking Near Entrance – allow for indoor covered bike parking to be near any building entrance, rather than just main entrance
- Bike Lockers or Secure Storage Room - reduce emphasis on lockers. Removed requirement for specific number of storage lockers, changed to suggestion.
- Bicycle Maintenance Facilities – removed requirement for lubricants, changed to suggestion.
- Clothes Lockers and Showers – Adjusted language to allow to lockers, showers, or both. Increased value of measure to provide 2 points for both lockers and showers, or one point for either lockers or showers alone.
- Shared Fleet of Bikes – removed requirement for number of bicycles in shared fleet, changed mandate to recommendation.
- Provide Complimentary Bikeshare Membership or Passes - clarified language to specify that passes are only required to be distributed to employees that wish to obtain one.
- Shared Fleet of Vehicles – adjust definition for clarity based on stakeholder feedback.
- Emergency Ride Home Program – adjusted definition for clarify and to deemphasize Greater Madison MPO.
- Subsidize Monthly Transit Passes OR daily passes and Complimentary Transit Passes – adjust language to ensure it is clear that passes are only offered to employees/residents that want them.
- Validate Transit Passes or Provide Free Two-Ride Passes – removed option for transit pass validation and adjusted definition for clarity.



# Modifications due to Stakeholder Feedback

- TDM modifiers to reduce points requirements where TDM measures are harder to implement (periphery).
- Reduced the reliance on Walkscore, which penalized new developments.
- Streamlined measures to reduce complexity.
- More closely aligned point values to coincide with cost to implement
- Developed procedure for existing mall and other multi-use sites.



# Modifications due to Stakeholder Feedback

- Point reduction / appeals process added for special circumstances /cases
- Clarify Mitigation Measure Definitions
- Split some measure to make them more achievable
- Moved to bi-annual re-certification to reduce administrative burden for stakeholders
- Adding additional outreach meetings
- Adding report-out after 6 months, to gather feedback from those participating in program



## Responses to Stakeholder's Comments & Concerns

### **TDM will only have modest impact: Madison Residents work outside of city, Majority of Employees are Commuters**

- TDM promotes all forms of alternative transportation, while acknowledging that driving may be the only viable option for some. It levels the playing field and provides options.
- Madison has been making significant investments in regional transportation that will link Madison with suburban communities
- The Transit Network Redesign brings frequent service throughout the community, including suburban areas such as Sun Prairie, Fitchburg, Middleton, Monona, and Verona. These routes connect to Madison.



## Responses to Stakeholder's Comments & Concerns

### **TDM encourages owners to charge separately for parking. This could present a hardship for single parents.**

- There are 42 mitigation measures in TDM program – the three parking measures (unbundling, cash-outs, charging market rate) are not required.
- Applicants can provide a Transportation Allowance that pays for parking fee. Yet those who do not drive, can use that transportation allowance for other transportation modes.
- It is possible to meet TDM requirements without implementing parking policies.
- Parking policy changes have been shown to be the most effective measures at reducing VMT and improving modeshare away from SOV.
- Parking measures offer the highest mitigation in the program as a recognition of the impact, value, and potential difficulty of implementing the measures.
- Not all employees have free parking. Employees that do not have free parking available at their workplace or do not drive would benefit from TDM.

## Responses to Stakeholder's Comments & Concerns

### **New multi-tenant employment or commercial buildings are unable to meet TDM requirements, examples in TDM program in downtown Madison are unfeasible.**

- New properties are already subject to TDM, though specific requirements are not defined and may be higher than proposed TDM program.
- New buildings are able to meet requirements more easily than existing properties, due to the flexibility presented when building new.
- Multi-tenant buildings can share measures between uses and receive points for certain measures in most cases: shared parking, add to land use mix
- Multiple projects have been tested – including those requested by developers – to ensure that it is possible to meet TDM requirements. City has used *Village on Park Street* as a test and required compliance with each phase of development

## Responses to Stakeholder's Comments & Concerns

**Most tenants will refuse to take this responsibility for TDM or will require rental reduction to implement. Owners will not want to shift responsibility to tenants due to potential fines.**

- Measures have been labeled as “infrastructure” and “programmatic” at the developers’ request to identify measures building owners could implement, vs those that a tenant might implement.
- Many businesses already offer commuter benefits, such as transit passes, to employees as a commuter alternative or “perk.” Depending on structure, this could be a 10 point measure (parking cash out)
- Building owners often shift responsibility for meeting city requirements to tenants and pass city-ordinance violations and responsibilities to tenants in lease agreements(zoning, property maintenance, etc.).



## Responses to Stakeholder's Comments & Concerns

### **It is challenging to Comply with TDM requirements in a Suburban Environment.**

- In response to this concern, the City developed the “modifiers” system to ensure that suburban properties can meet TDM requirements. Suburban properties are only required to meet 65% of the requirements of properties in the downtown core.
- Many properties have been tested – including examples provided by development community – to ensure it was possible to meet TDM requirements using a variety of measures.
- TDM will require a shift in mindset, but from numerous staff tests, all properties were able to meet requirements in a variety of ways.
- For existing properties, appeals process added to address financial concerns and space constraints

## Responses to Stakeholder's Comments & Concerns

### **TDM program will apply to tenant spaces constructed before TDM ordinances is enacted when uses change.**

- Yes – without this requirement, a two-tier system of development would form between existing and new properties. The program is designed to bring existing properties into compliance over time to prevent this.
- Often, sub-uses will not change for a specific site, meaning many existing properties will not be brought into the program until redevelopment occurs.
- When uses change, trip generation rates changes and stresses on the transportation network can be amplified.
- TDM point reduction process added to address space/financial constraints
- Many new and existing uses exempt from program, including employment uses under 10,000 sqft and commercial uses under 40,000 sqft

# Responses to Stakeholder's Proposed Changes

## 1. Adding a “sunset provision”

- TDM requirements are already found within the code of ordinances. Sunsetting would roll back program, but not TDM requirements.
- This would create an “environment of uncertainty” around the program. TDM program was created to *remove* uncertainty
- Staff would be hired using program revenues to support program, sunsetting would jeopardize that concept

## 2. Remove TDM Program applicability to existing properties

- This would create a two-tier system of properties in Madison.
- This could discourage redevelopment of existing properties.
- This would significantly reduce the effectiveness of the TDM program over time.
- Goals of reducing greenhouse gas emission and reduce VMT significantly impacted by this change.



## Responses to Stakeholder's Proposed Changes

### **3. Modify Unbundling Parking to allow for uncontrolled, free surface lots**

- This would significantly reduce the effectiveness of the measure.
- Developers could submit this measure as an “other unique measure” and a recommended point value. If submitted multiple times, could be added to program.

### **4. Double Points for certain low-value TDM measures**

- Measures highlighted are the lowest-impact
- Staff has worked with stakeholders and modify most of the measures mentioned in document, making them easier to implement.
- Modifiers system already nearly doubles impact of these measures in periphery
- Change would significantly reduce efficacy of program.

# Timeline

- Introduction to Council – Nov 1
- Plan Commission – Nov 21
- Sustainability Committee – Nov 28
- Transportation Commission – Nov 30
- TPPB – Dec 5
- Consideration at Council – Dec 6

Required Points			Provided Points			Compliant		
18	Residential	Residential	23	Residential	YES			
	Employment	Employment		Employment				
	Commercial	Commercial		Commercial				
	Educational	Educational		Educational				
	Institutional	Institutional		Institutional				

(Calculated based on your inputs from Step 1)

### VMT Reduction Strategies

All Blue Boxes Require Additional Input. Please Fill In!

#### Active Transportation Strategies

Check	Category	Measure	Points	Description
<input checked="" type="checkbox"/>	Infrastructure	Dedicated Access to Bike Parking	1	Provide a convenient and separate access to the bike parking area without stairs (e.g. on the same level as the entrance, or via a ramp or elevator).
<input checked="" type="checkbox"/>	Infrastructure	Indoor covered bike parking near Entrance	1	Locate the bike parking in a covered, indoor space, less than 100 feet from the main entrance.
<input checked="" type="checkbox"/>	Infrastructure	Bicycle Maintenance Facilities	1	Provide a bicycle maintenance station for on-site employees, tenants, residents and visitors. Tools and supplies should include at minimum: a bicycle pump, wrenches, a chain tool, lubricants, tire levers, hex keys/ Allen wrenches, torx keys, screwdrivers, and spoke wrenches.
<input type="checkbox"/>	Infrastructure	Clothes Lockers and Showers	1	Provide 1 shower along with 5 clothes lockers for every 30-50 bike parking spaces.
<input type="checkbox"/>	Infrastructure	Bicycle Lockers or Secure Storage Room	2	Provide lockers for secure, long-term storage of bikes: 1 locker for every 20 DUs or 30 employees.
<input type="checkbox"/>	Programmatic	Shared Fleet of Bicycles	2	Provide an on-site shared fleet of free loner bicycles for use by residents/ employees. Fleet should include at least 1 bicycle for every 10 DUs or 30 employees, with a minimum of 5 bikes.
<input checked="" type="checkbox"/>	Infrastructure	Improve Surrounding <u>Pedestrian</u> Infrastructure	4	Improve pedestrian infrastructure (side walks, curb ramps, crosswalk, RRFB, etc.) on adjacent properties within 500 ft. of project consistent with city plans and ordinances and federal accessibility requirements. 1 point per 100ft of infrastructure, up to 4 total points.
<input type="checkbox"/>	Infrastructure	Improve Surrounding <u>Bicycle</u> Infrastructure	0	Improve bicycle infrastructure (bicycle lanes, cycle tracks, new crossings, bike-ped paths, etc.) within 500 ft. of project consistent with city plans, ordinances, and federal requirements. One point per amenity or one point per 100 ft. of infrastructure, up to 4 points.
<input checked="" type="checkbox"/>	Infrastructure	Traffic Calming Measures	2	Install traffic calming measures such as speed humps and roundabouts. One point per small-dollar measure (e.g. pedestrian flags, temporary speed hump) and two points per large-dollar measure (e.g. RRFB, permanent speed hump). Must be located within 500 ft. of project and be consistent with city plans, ordinances, and federal requirements. One point per amenity or one point per 100ft of infrastructure, up to 4 points.

#### Transit Strategies

The the project within the all-day transit service area? Measures worth 50% less if not. (From Step 1)				
<input type="checkbox"/>	Programmatic	Validate Transit Passes for Visitors	1	Validate Transit Passes for all residents, employees, or visitors
<input type="checkbox"/>	Programmatic	Subsidize Monthly Transit Passes OR daily passes	% subsidy 50%	Points 0.75
<input type="checkbox"/>	Infrastructure	Fund transit facilities and amenities	# Inc. 0	Points 0
<input type="checkbox"/>	Programmatic	Complementary Transit Passes	3.5	Provide complementary monthly transit passes to employees/residents (one per DU or employee).

# Questions?

Contact Info:

**Philip L. Gritzmacher, Jr., AICP**

E: [pgritzmacher@cityofmadison.com](mailto:pgritzmacher@cityofmadison.com)

P: 608-267-1148