

Wisconsin Clean Cities Annual Stakeholder Meeting





Lorrie Lisek
Executive Director
[Wisconsin Clean Cities](#)



Mandela Barnes
Lieutenant Governor
[State of Wisconsin](#)



Maria Redmond
Director
[Wisconsin Office of Sustainability & Clean Energy](#)



Mahanth Joishy
Fleet Superintendent
[City of Madison Fleet Service](#)



Wisconsin Clean Cities Members



DIAMOND MEMBER



PLATINUM MEMBERS



GOLD MEMBERS



Wisconsin Clean Cities Members



- ❖ Advanced VTech
- ❖ Alpha Baking Company, Inc.
- ❖ American Lung Association in Wisconsin
- ❖ AmeriGas
- ❖ Blink Charging
- ❖ Boehlke Bottled Gas Corporation
- ❖ Casper's Truck Equipment
- ❖ ChargePoint
- ❖ City of Madison Fleet Service
- ❖ City of Milwaukee
- ❖ City of Prairie du Chien
- ❖ City of Racine
- ❖ ClipperCreek, Inc.
- ❖ Dairyland Power Cooperative
- ❖ Dane Co. Dept. of Public Works – Waste & Renewables
- ❖ DTE Energy Gas Services
- ❖ Dunn County Transit
- ❖ East Central Wisconsin Regional Planning Commission
- ❖ EV Energy Group, LLC
- ❖ FLEET Services, Inc.
- ❖ George Stone
- ❖ Global Environmental Products, Inc.

Wisconsin Clean Cities Members



- ❖ GO Riteway Transportation Group
- ❖ Greenlots
- ❖ Harters Quick Clean-Up
- ❖ Landmark Services Cooperative
- ❖ Madison Gas and Electric
- ❖ Midwest Green Solutions, LLC.
- ❖ Milwaukee County Fleet Management
- ❖ Northern Battery
- ❖ Odyne Systems, LLC
- ❖ Outagamie Clean Energy Partners, LLC
- ❖ Ozaukee County
- ❖ Ozinga Energy
- ❖ Renewable Energy Group
- ❖ ROUSH CleanTech, LLC
- ❖ School District of Arcadia
- ❖ Sheehy Express, LLC
- ❖ Trillium
- ❖ U.S. GAIN
- ❖ Veriha Trucking, Inc.
- ❖ Waukesha County Technical College
- ❖ Wisconsin Bus Sales, LLC
- ❖ Wisconsin Propane Gas Association
- ❖ Wisconsin Public Service Cooperation
- ❖ WPPI Energy

Wisconsin Clean Cities Executive Board of Directors



Brad Schmoll
CMD Corp.



Carrie Kratz
Contract Transport Services



David Hagopian
Advanced VTech

Wisconsin Clean Cities Board of Directors



Brad Schmoll
CMD Corp.



Carrie Kratz
*Contract
Transport Services*



David Hagopian
Advanced VTech



Matt Carr
Cummins, Inc.



Joel Fasnacht
Kwik Trip, Inc.



Scott Hanstedt
U.S. Gain



Dan Hicks
*ANGI Energy
Systems*



Fred Marks
AmeriGas



Lisa Morris
Time Transport



Bob Reagan
WeEnergies



George Stone
*Milwaukee Area
Technical
College*



Jeff Tews
*(Retired) City of
Milwaukee
Department of
Public Works –
Fleet Services*



Rob Wozny
Alliant Energy

Support Staff



Carl Lisek



Kelly Verbeke



Emily Nayder



Lauri Keagle



Ryan Lisek



Kyle Lisek

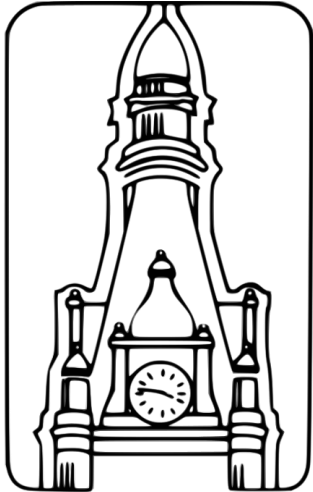


Becky Hinton



Catherine Yoder

City of
Milwaukee



City
of
Milwaukee

Thank you,
Jeff!



Jeff Tews

**Retired Fleet Operations Manager
City of Milwaukee, Department of
Public Works – Fleet Services**



2020
Wisconsin
Clean Cities
Year in
Review



2020
Virtual
Events



Shifting Gears in 2020

20
Virtual Events

1,500+
attendees



66
speakers at
virtual events

32
WCC members
featured as
speakers



2020 Webinar Series



2020 Winter Webinar Series

Hosted by Wisconsin Clean Cities & South Shore Clean Cities

U.S. EPA's SmartWay Program



2020 Winter Webinar Series

Hosted by South Shore Clean Cities & Wisconsin Clean Cities

Biobased Engine Oil & Fleet Product Options



2020 Winter Webinar Series

Hosted by South Shore Clean Cities & Wisconsin Clean Cities

The Importance of the Clean Cities Annual Report



2020 Winter Webinar Series

Hosted by Wisconsin Clean Cities & South Shore Clean Cities

What You Didn't Know About Biofuels



The Electric Zone at the Milwaukee Auto Show



Governor's Task Force on Climate Change



Wisconsin RNG Success Stories Webinar



The graphic features a close-up photograph of a cow's face, looking directly at the camera. Overlaid on the left side of the cow's face is a green diamond-shaped logo with the letters "RNG" in white. To the right of the cow's face is a green icon of a gas pump nozzle. The entire graphic is set against a light green background.

WISCONSIN
**Webinar: Wisconsin Renewable
Natural Gas Success Stories**
July 28, 2020 10 a.m. CDT



The logo for Wisconsin Clean Cities, featuring a stylized yellow map of Wisconsin with a green road winding through it. The map is set against a blue background with a city skyline and trees. The text "WISCONSIN" is arched above the map, and "CLEAN CITIES" is arched below it. A small banner at the bottom of the map says "Established 1994".

Wisconsin Virtual Electric Series

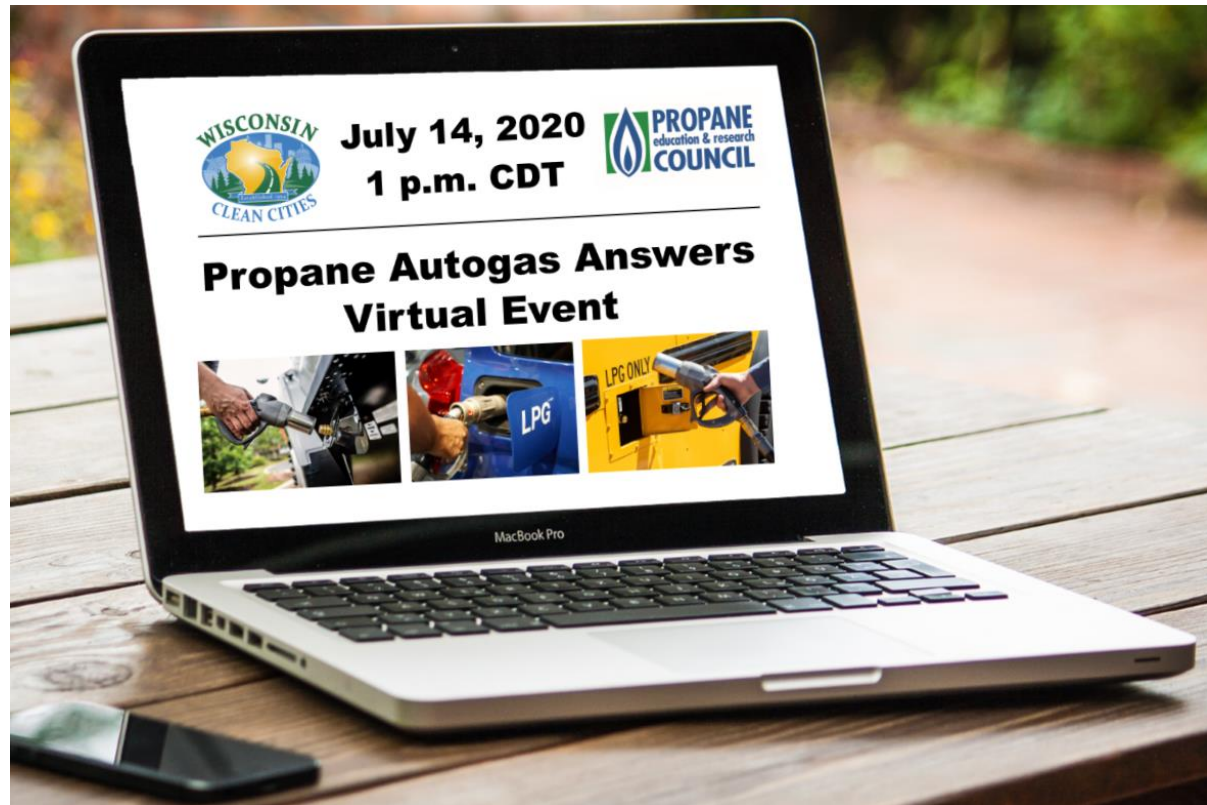


Virtual eLECTRIC SERIES

A WEBINAR SERIES PRESENTED BY WISCONSIN CLEAN CITIES & RENEW WISCONSIN



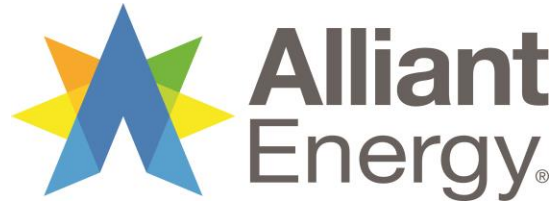
Wisconsin Propane Autogas Answers Event



Hudson EV Charging Hub Unveiling



Sustainable Transportation Series



Sustainable Transportation

A virtual educational series for fleets

Presented by
The Transportation &
Innovation Partners

A circular seal with a green and yellow background. The text "2020 Virtual Series" is in the center. Around the perimeter, the words "transportation", "sustainability", "technology", and "innovation" are written, separated by dots. In the center of the seal, there are icons for a forklift, a bus, and a car.

Grant Readiness Webinar



**WISCONSIN
CLEAN CITIES**
Established 1994

Grant Readiness Webinar
Thursday, November 5, 2020
1 p.m.-2 p.m. Central

The graphic features a white semi-truck on a flatbed trailer carrying a large, 3D green dollar sign. The sign is secured with yellow and black striped straps. The Wisconsin Clean Cities logo is positioned in the top left corner of the graphic. The text below the truck is centered on a grey background.

Wisconsin Natural Gas for Transportation Roundtable



Natural Gas for Transportation Roundtable

A Virtual Experience

10 a.m.-11:30 a.m. Central Nov. 12, 2020





Mahanth Joishy
Fleet Superintendent
[City of Madison Fleet Service](#)

City of Madison: GREENING THE FLEET





FLEET BY THE NUMBERS

- ✓ Acquisitions, Maintenance, Fueling, and Sale for **1,400** City vehicles (not including Metro, Water Utility)
- ✓ **38** Full-Time Staff
- ✓ **9** Fuel Stations
- ✓ **4** Repair Garages
- ✓ **2** Shifts
- ✓ **3** Part-time Apprentices
- ✓ **3** Part-time Custodial Staff



100% RENEWABLE *Madison*

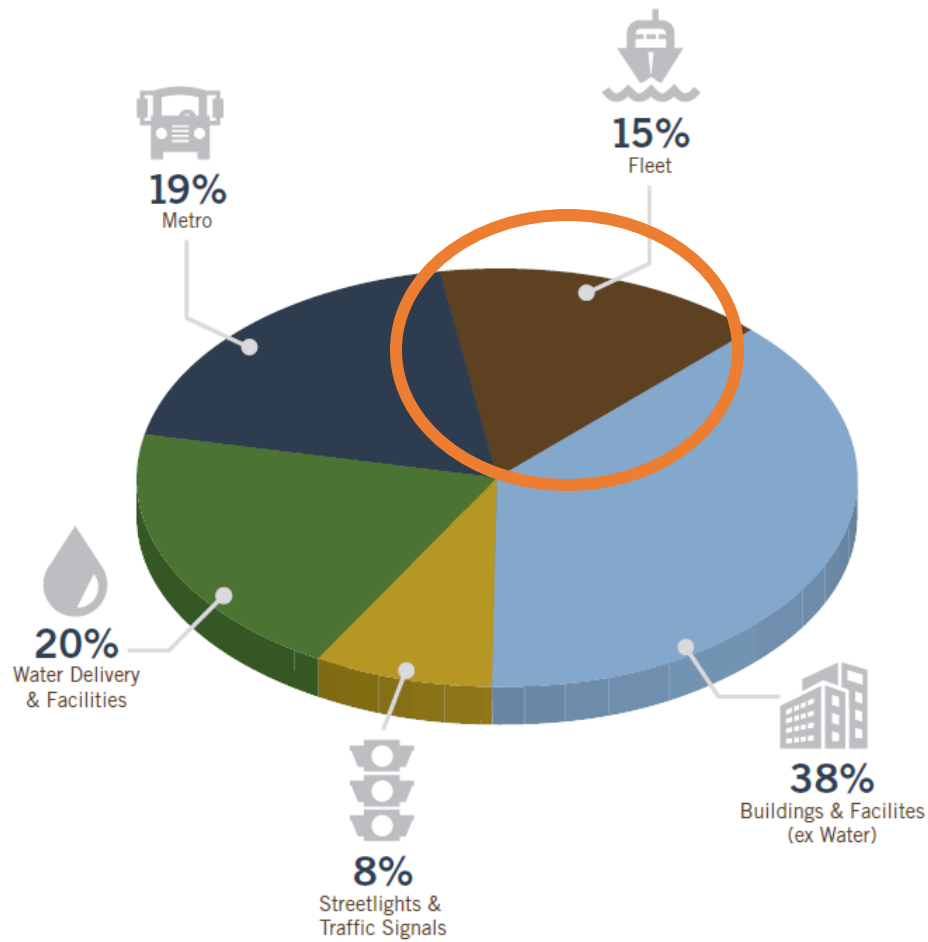
ACHIEVING 100% RENEWABLE ENERGY &
ZERO NET CARBON FOR CITY OPERATIONS
& LEADING THE COMMUNITY



NOVEMBER 2018

SUSTAINABLE MADISON PLAN

FIGURE A-2. BASELINE CARBON EMISSIONS FOR CITY OPERATIONS BY CATEGORY*



***Excludes landfill, city employee commute, and City-owned housing emissions. Source: HGA based on ICLEI*

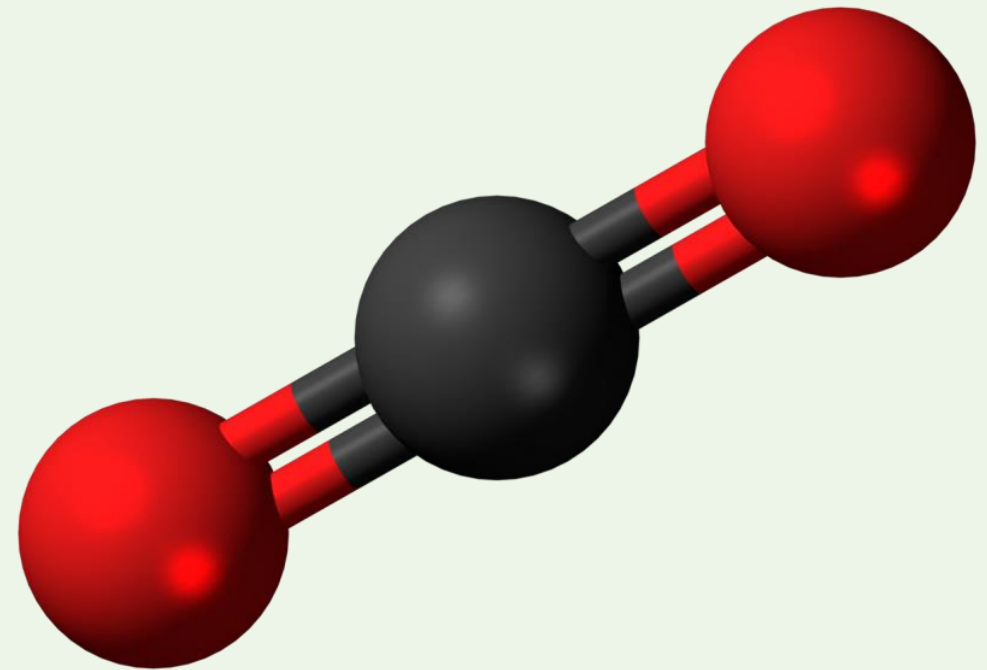
- Figure A-2 shows baseline city operations emissions were 81,141 tons CO₂e broken out by category.
- 15% of 81,141 = 12,171.15 tons CO₂e

MADISON FLEET CO2 REDUCTION 2018-2020

4,700,000 LBS = 2,350 TONS = 8%

HOW ?

- Biodiesel
- Hybrid-Electric Vehicles
- Electric Vehicles
- Anti-Idling Technology



BIODIESEL

- ✓ Renewable energy source
- ✓ Largely soybean, agricultural waste and waste oil based
- ✓ Grown and processed in Midwestern states—supporting local economy including WI
- ✓ Reduces emissions and carbon footprint
- ✓ Reduces dependence on foreign oil and gas
- ✓ Blends up to 20% or B20 in warm months



ANTI-IDLING TECHNOLOGY

- All new Madison Fire Dept ambulances are arriving with anti-idle tech.
- This allows ambulances to continue working off an electrical system while the engine shuts off.
- Anti-idling is better for the environment by reducing air pollution and noise pollution. Engine maintenance also improves.
- Fuel savings are also achieved of up to 40%.



HYBRID-ELECTRIC VEHICLES & SOY TIRES



TYPES OF EVs OWNED/ON ORDER – 50 & COUNTING





TRAINING THE NEXT GENERATION OF AUTOMOTIVE & ENGINEERING PROFESSIONALS



[City of Madison](#) / [Fleet Service](#)

Fleet Hosts Madison High School Students, Showcases Electric Vehicles

Fleet hosted Madison high school students at our central repair shop and headquarters to learn the basics of EV components, safety, and maintenance.



NEW FLEET HQ BUILDING



- Featuring: Solar panels, solar heating wall, CNG repair bays, City EV chargers, Public EV chargers, employee EV chargers, natural lighting
- Goal of LEED Silver certification

2020 AND BEYOND GOALS!

- ✓ Moved into Nakoosa Trail
- ✓ Solar Farm at Nakoosa Trail
- ✓ First Solar EV Charging Stations
- ✓ First Electric Trucks
- ✓ First Electric Busses



OUTREACH/PARTNERSHIP ACTIVITIES



Transportation & Innovation Expo

A sustainable transportation, infrastructure, technology and fleet vehicle conference and expo

05.23
2019
EXPO

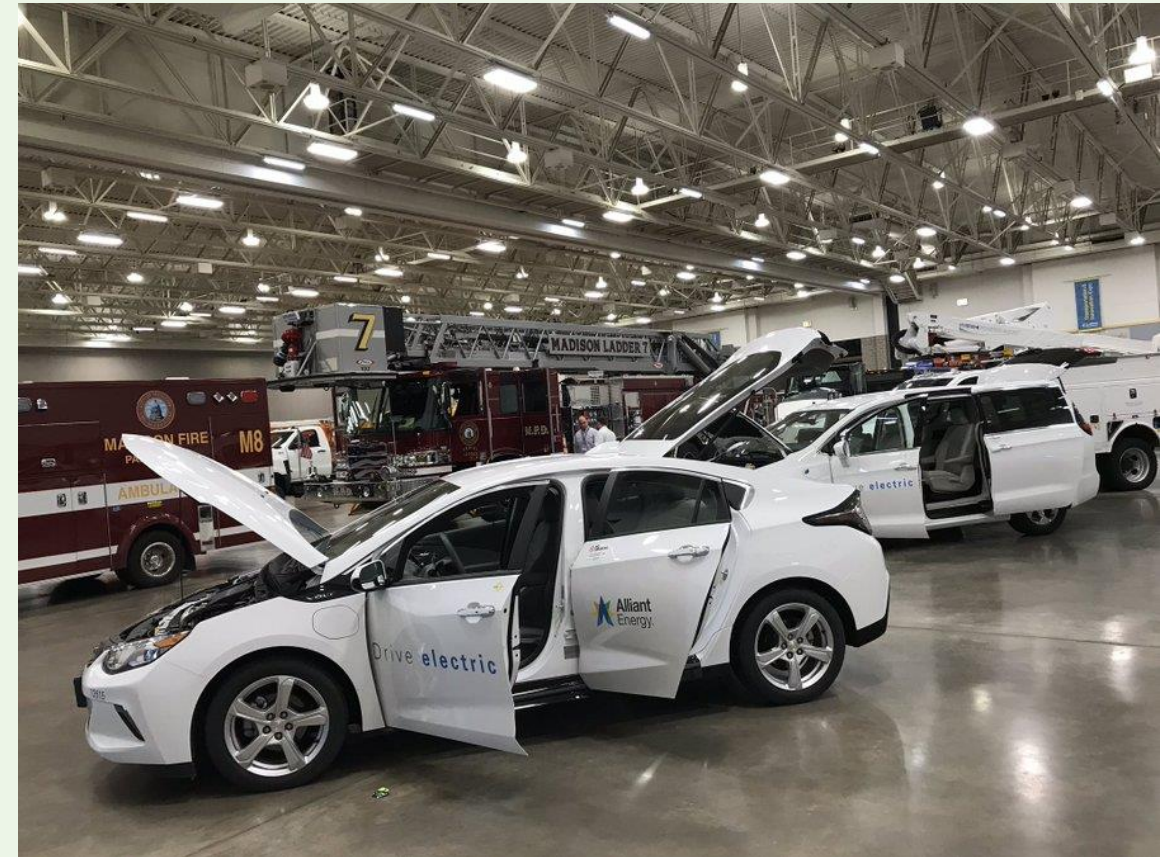
transportation • sustainability • technology • innovation

CITY OF MADISON FLEET SERVICE

Alliant Energy

WISCONSIN CLEAN CITIES 25th ANNIVERSARY

The banner features a blue background with white icons of a bus, a truck, a lightbulb, and a gear. The text 'Transportation & Innovation Expo' is in yellow and white. Below the banner is a yellow bar with the text 'A sustainable transportation, infrastructure, technology and fleet vehicle conference and expo'. To the right is a circular blue logo with the date '05.23 2019 EXPO' and the words 'transportation • sustainability • technology • innovation' around the perimeter. Below the banner are three logos: the City of Madison Fleet Service logo, the Alliant Energy logo, and the Wisconsin Clean Cities 25th Anniversary logo.



CONTACT

Mahanth Joishy
Fleet Superintendent

mjoishy@cityofmadison.com

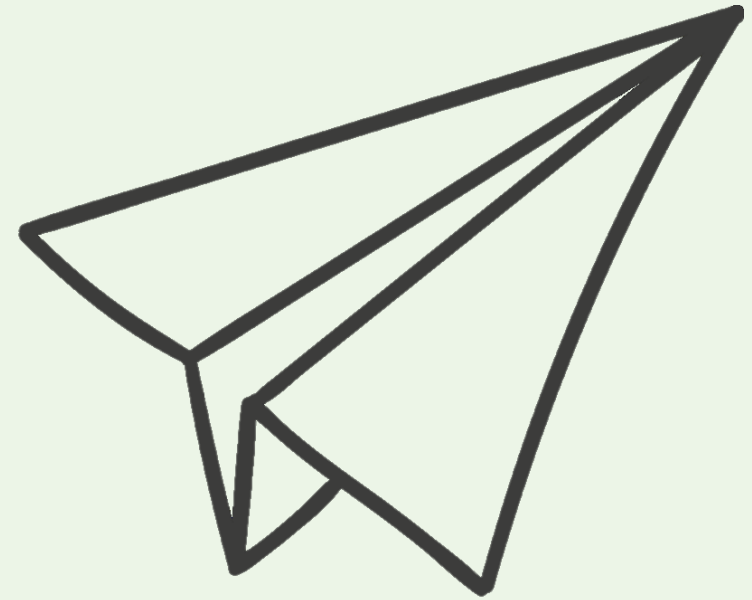
www.cityofmadison.com/fleet-service



@MadisonWIFleet



@MadisonWIFleet



Transportation & Innovation Expo



Join us June 10, 2021 for the Transportation & Innovation Expo!

Current Wisconsin Clean Cities Grants & Projects



- GTI - M2M Corridor Project
- VW Settlement
- DOE-Multi Unit Development Grant
- EPA DERA Grant
- WI OEI - Safer2 Grant
- NGV UP TIME Grant
- Heavy Duty EV Demonstrations for Freight & Mobility Solutions



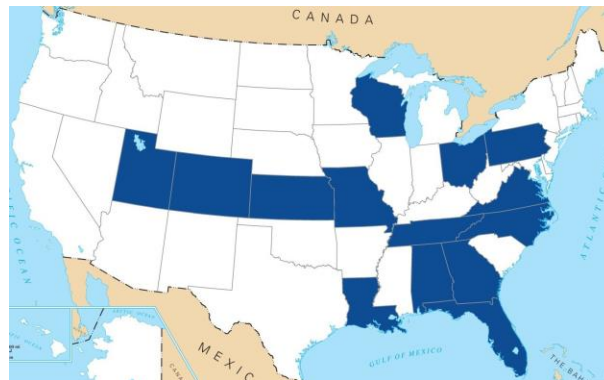
Newly Awarded Wisconsin Clean Cities Grants



- Zero Emission Freight Future
- Developing Replicable, Innovative Variants for Engagement (DRIVE) for Electric Vehicles in the USA
- Helping American's Rural Counties Transition to Cleaner Fuels and Vehicles
- Alternative Fuel Proof-of-Concept in New Communities & Fleets



Energy Efficiency &
Renewable Energy





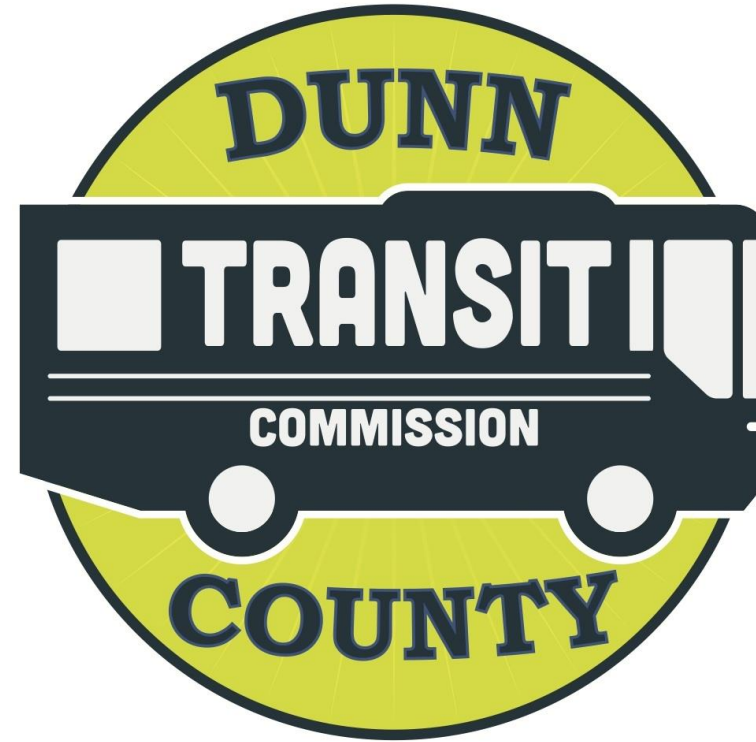
Maria Redmond
Director

[Wisconsin Office of Sustainability & Clean Energy](#)



Mandela Barnes
Lieutenant Governor
[State of Wisconsin](#)

Dunn County
Transit





Wisconsin Clean Cities 2020 Annual Membership Meeting

Board of Directors Re-election
Forward Fleet Awards

Board Member Re-election



**Matt Carr
Cummins**



**David Hagopian
Advanced VTech**



**Scott Hanstedt
U.S. Gain**



**Brad Schmoll
CMD Corp.**



**Dan Hicks
ANGI Energy Systems**

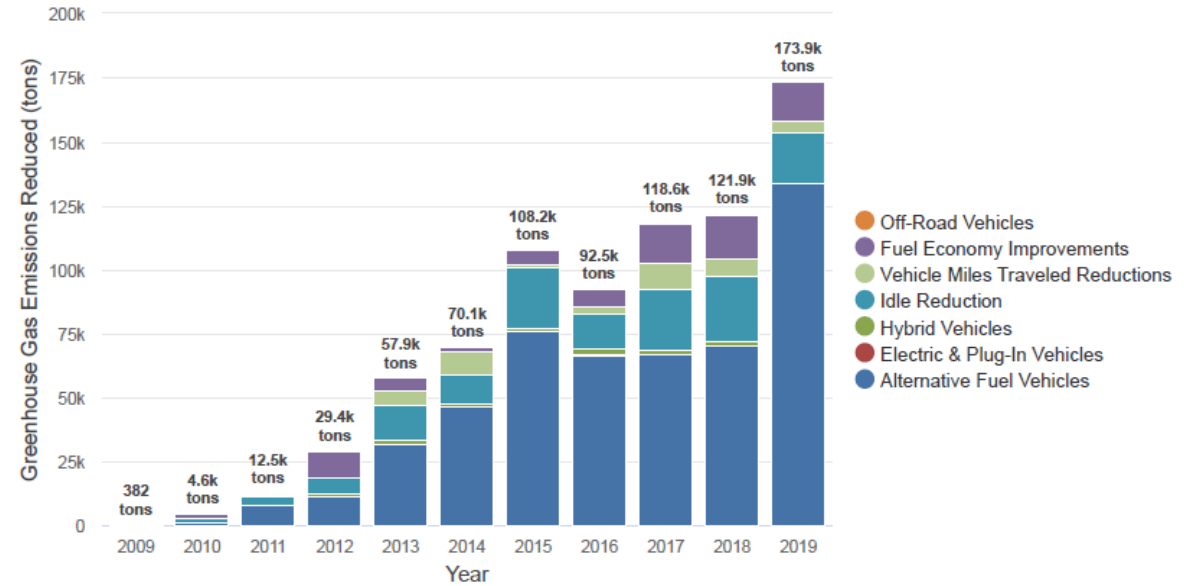


**George Stone
Retired Professor**

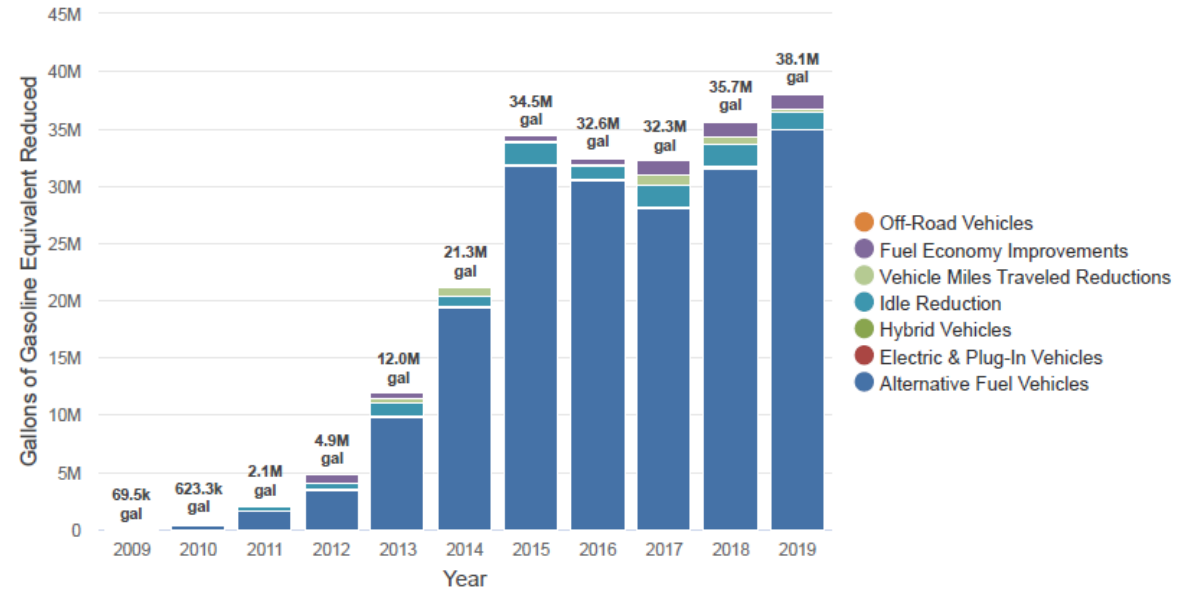
Annual Report



Historical Greenhouse Gas Emissions Reduced



Historical Gallons of Gasoline Equivalent Reduced



Annual Report



Forward Fleet Award Winners

displaced **11.4**
million+ GGEs

Reduction equivalent of taking
~22,000 passenger
vehicles off the road per year

Contract
Transport
Services





Wisconsin Clean Cities 2020 Forward Fleet Award Winners!



Forward
Fleet
Award
#5



Forward Fleet Award #4



Transportation and Energy Services

Forward Fleet Award #3



WHAT
DRIVES
YOU?™



Forward
Fleet
Award
#2



2020
Forward
Fleet
Award
Winner



Kwik Trip™



Landmark
Services
Cooperative



Coasting
into
2021



Thank you
for attending
the
Wisconsin
Clean Cities
Annual
Stakeholder
Meeting!



Wisconsin Clean Cities
"DRIVING WISCONSIN FORWARD"

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