



Stakeholder Meeting  
October 3, 2019

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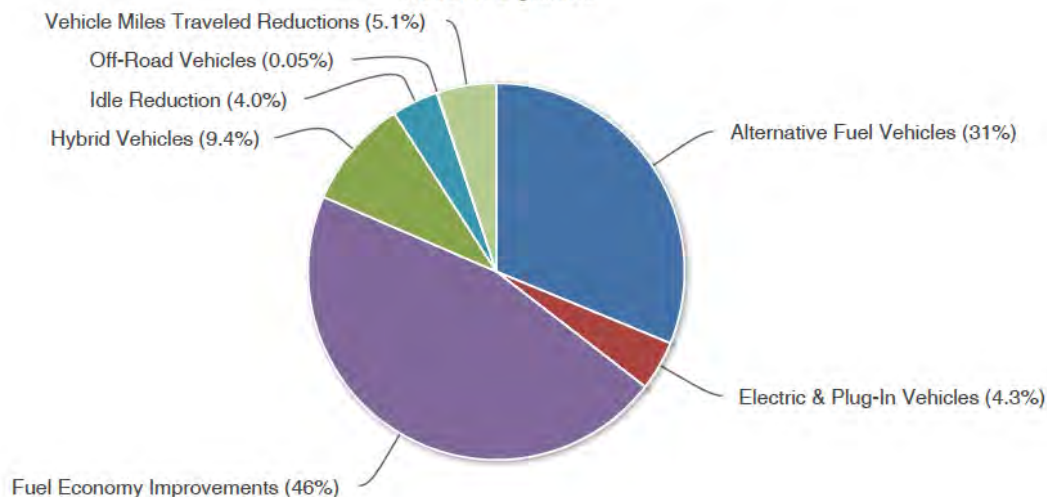
**Eliana Fox**

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- **Welcome and Introductions**
- **Vermont Fuel and Fleet Updates – Annual Report from 2018**
- **Brief overview of regional, state, and local transportation energy plans**
- **Expanding Biofuels in Vermont’s Transportation Sector – Matt Cota**
- **VT Clean Cities Projects Update**
- **Local Sustainable Transportation Options from GreenCab – Charlie Herrick**
- **Updates from Stakeholders**
- **Closing Remarks**

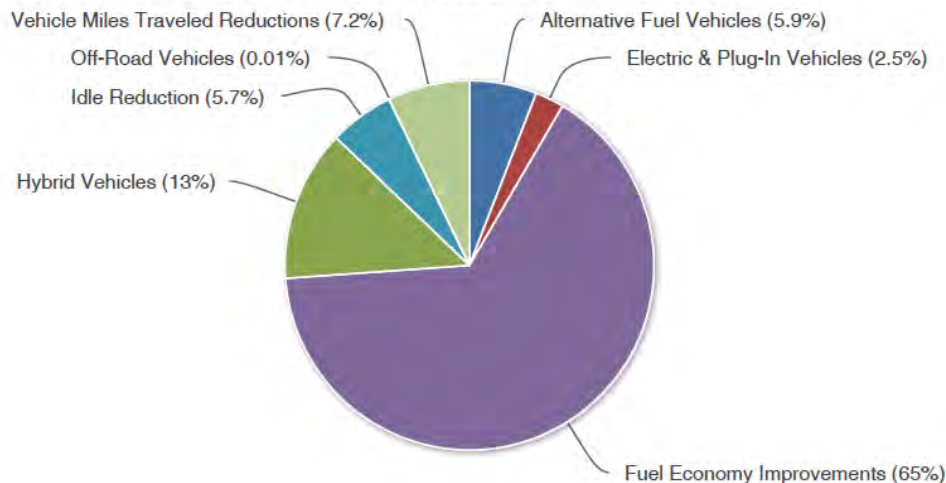
## 2018 Gallons of Gasoline Equivalent Reduced

1,303,458 gallons

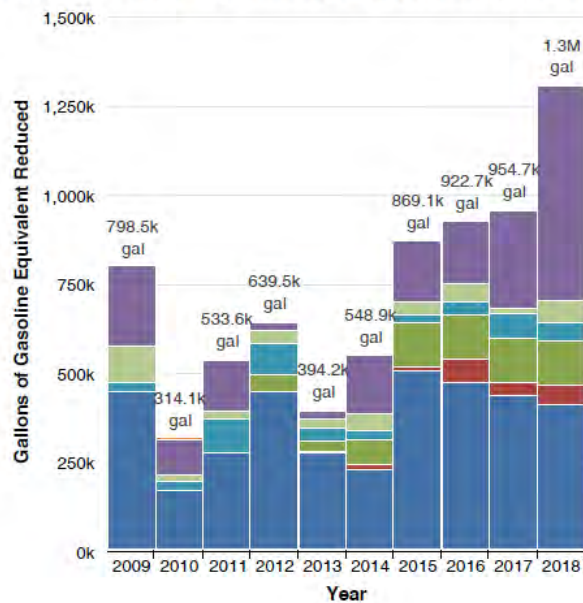


## 2018 Greenhouse Gas Emissions Reduced

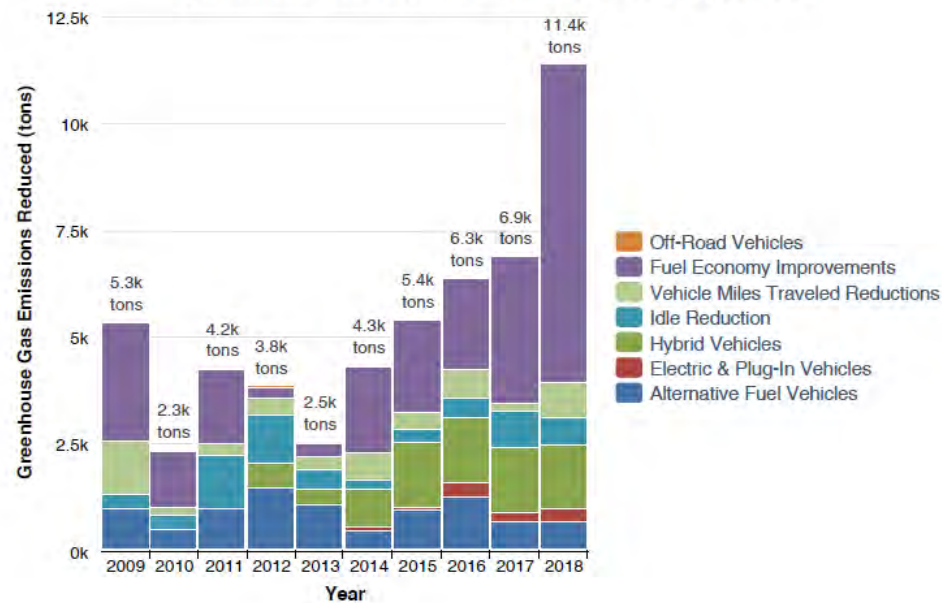
11,363 tons



## Historical Gallons of Gasoline Equivalent Reduced



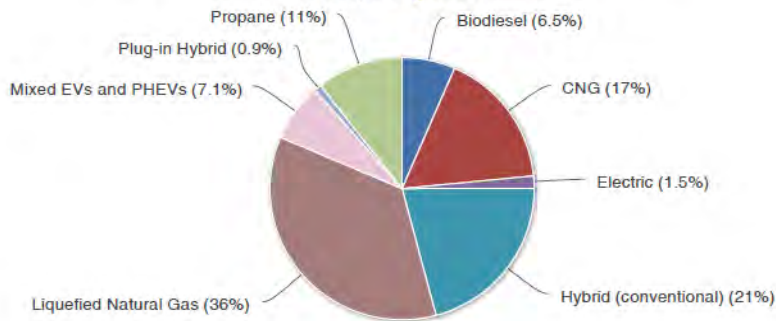
## Historical Greenhouse Gas Emissions Reduced





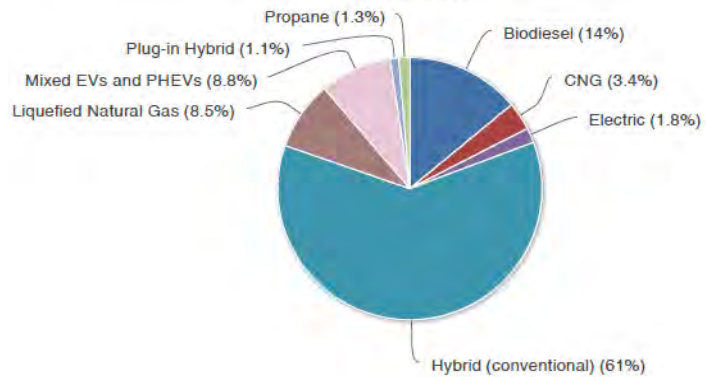
**2018 Gallons of Gasoline Equivalent Reduced  
by Fuel Type for Alternative Fuel Projects**

585,582 gallons



**2018 Greenhouse Gas Emissions Reduced  
by Fuel Type for Alternative Fuel Projects**

2,467 tons



- Transportation Climate Initiative (TCI)
- Comprehensive Energy Plan
- Burlington Net Zero Energy Road Map



## TCI

Public input on this framework document is open until November 5

<https://www.transportationandclimate.org/main-menu/tci-regional-policy-design-stakeholder-input-form>





## 2019 Project Updates

October 3<sup>rd</sup>, 2019



# Clean Cities Portfolio of Technologies



## Alternative and Renewable Fuels

- Biodiesel
- Electricity
- Ethanol (E85)
- Hydrogen
- Natural gas
- Propane

## Fuel Economy

- Fuel efficiency
- Behavioral changes
- Vehicle maintenance initiatives
- Vehicle miles traveled (VMT)

## Idle Reduction

- Technologies
- Behavioral changes

## Trip Elimination

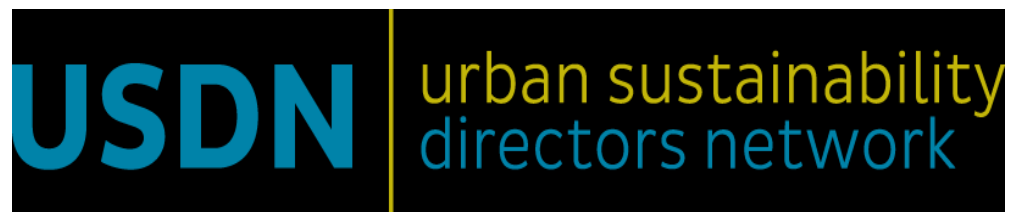
- Telecommuting
- Ridesharing

## Hybrids

- Light- and Heavy-duty HEVs
- PHEVs



# EVSE & Electrification Projects



- UVM VW EVSE Grant
  - Awarded over \$40,000
  - 3 dual-port L2 stations
- MUD EVSE
  - USDN Innovation Grant
  - BTV NZE EVmatch focus on MUDs
- UVM Nissan LEAF rebate
  - \$5,000 for staff & students
  - Combined with federal & local incentives
  - Extended to January 2020

# Idle Reduction & Fuel Efficiency



- UVM Police Idle Reduction
  - 8 vehicles with IdleRight 2 System
  - August 2019 Installation - data still being collected
  - From 1 vehicle in 1 month:
    - **\$117** in fuel/maintenance savings
    - **32** gallons of fuel saved
- UVM Print & Mail Hybrid Upfit
  - XL Hybrid Upfit System
- EAN Summit Idle Reduction Pitch



- CarShare Vermont
  - 1 CarShare vehicle displaces 15 privately owned vehicles
  - Added Nissan LEAF to fleet!
- E-bikes – with incentives from utilities starting to aid in reducing VMT.
- Transportation for Vermonters – coalition work to help provide feedback to legislature on fleets, transportation issues and alternative fuels.





- Electric School Bus Pilot Outreach
  - Created a consolidated contact list
  - Shared data with VEEP & others
  - Support for school district contacts in the application process
- BTV Taxi Project with BED
  - Outreach to Burlington-based companies about potential EV incentive
  - BED Tier 3 Funds

Company Name	Business Start Date	Fleet Size	Fleet Vehicle Year(s) & Model(s); Miles Driven/Year
Champlain Taxi	2014	2	2013 Honda Odysseys; ~50-60,000 miles/year
JD Taxi	2006	1	2017 Dodge Caravan; ~40,000 miles/year
Royal Taxi	~2012 (7-8 years in operation)	1	2014 Toyota Prius; n/a
USA Taxi	2009	1	2013 Toyota Rav-4; n/a
89 Taxi	2012	2	2009 Honda Odysseys; n/a
Freedom Cab	2014	1	2008 Toyota Sienna; n/a
Burlington Cab	n/a	n/a	n/a
Cab MM	n/a	n/a	n/a
S.D. Taxi	n/a	n/a	n/a

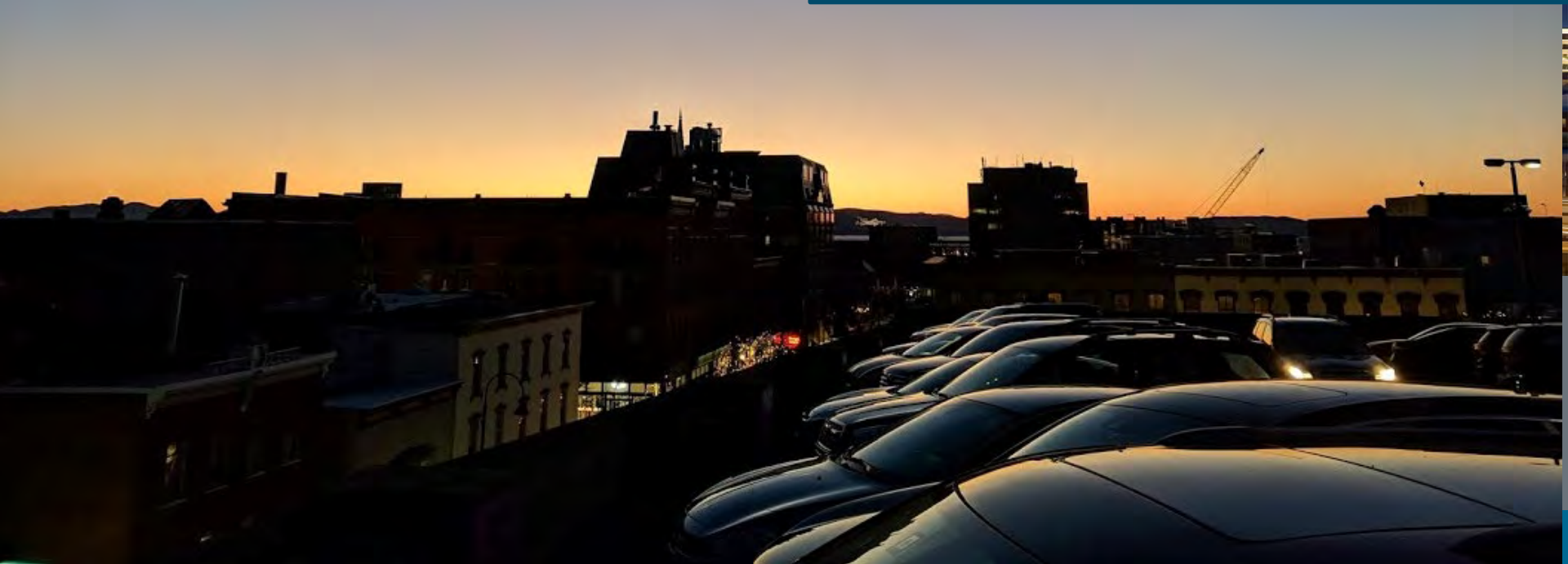
- Bi-State EV Connector Recap
  - ~100 participants
  - Panel Presentations
    - Reflect on EV efforts and advancements
  - Vendor showcase:
    - Electric Vehicles
    - Utility Vehicles
    - Lawn Equipment
    - Charging Stations
    - Solar Tech



# What's Next?



## Stakeholder Updates; Funding & Project Support



- Volkswagen Settlement Funding
- DOE's Vehicle Technologies Office (VTO) Funding
  - FOAs
- Diesel Emissions Reduction Grants





- Conferences, Events, & Trainings
- Grant Writing Support
- Outreach & Education
- Database Development

- VTCCC modestly funded by Department of Energy.
  - Coordinator position is part-time & covers all VT.
  - Limited support from UVM.
- Looking to expand services to our stakeholders.
  - CC's across country have different membership, sponsorship models to support this outreach.
- Exploring what level of interest in VT for expanding services through direct financial support from stakeholders.

# Thank you!



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