

Transportation Benchmarking

Transportation Technical Advisory
Group

August 11, 2014

Topics to Cover

- Introductions
- Presentation on long term transportation vision (Billy Fields)
- Benchmarking / best practices from other Cities (Zach Baumer)
- Plans / actions currently adopted by the City (Cari Buetow)
- Bring up the Transportation energy flow diagram and brainstorm 2050 scenarios (Zach Baumer)

Benchmarking



GREENEST CITY

2020 ACTION PLAN

- Key Strategies to 2020
 - Walking and Biking safe convenient, fun, and comfortable for all
 - Complete communities with increased walking, biking, and transit access
 - Improve Transit capacity and operations
 - Advance policies to encourage residents to reduce car ownership and use
 - Accelerate the shift to low and zero carbon vehicles
 - Regional coordination on goods movement strategies

TARGETS:

1. MAKE THE MAJORITY (OVER 50%) OF TRIPS BY FOOT, BICYCLE, AND PUBLIC TRANSIT.
2. REDUCE AVERAGE DISTANCE DRIVEN PER RESIDENT BY 20% FROM 2007 LEVELS.

City-wide, 24-hour mode share (%) of all trips to and within city by walking, cycling and transit

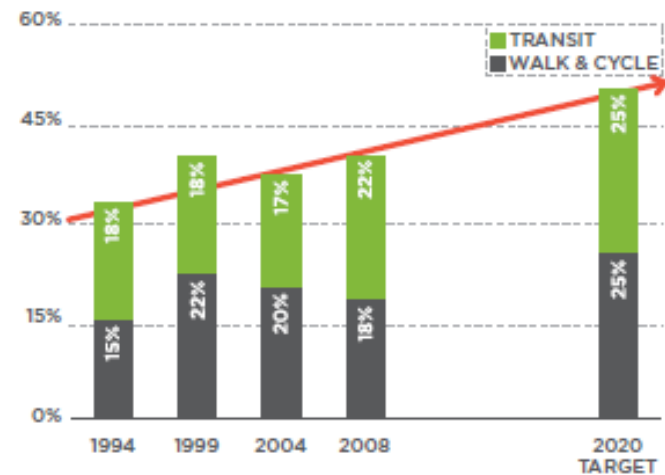
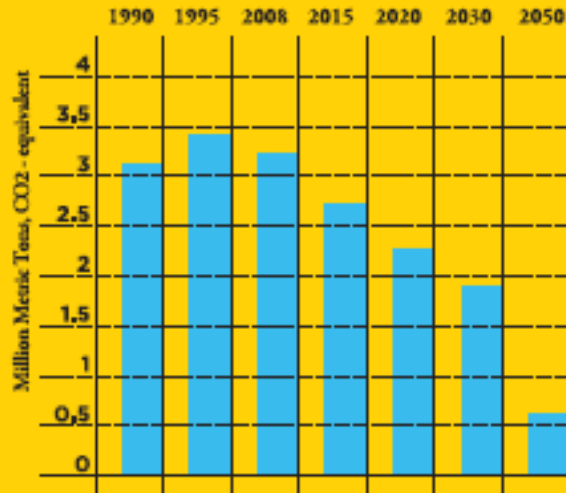


FIGURE 10
TRANSPORTATION-RELATED CARBON
EMISSIONS REDUCTION GOALS



Portland

2030 Objectives

Increase the average fuel efficiency of passenger vehicles to 40 miles per gallon and improve performance of the road system.

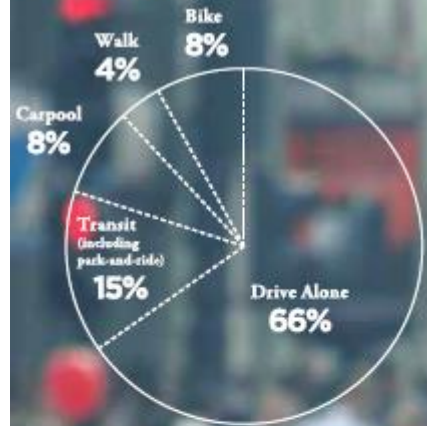
Create vibrant neighborhoods where 90 percent of Portland residents and 80 percent of Multnomah County residents can easily walk or bicycle to meet all basic daily, non-work needs and have safe pedestrian or bicycle access to transit.

Improve the efficiency of freight movement within and through the Portland metropolitan area.

Reduce per capita daily vehicle-miles traveled (VMT) by 30 percent from 2008 levels.

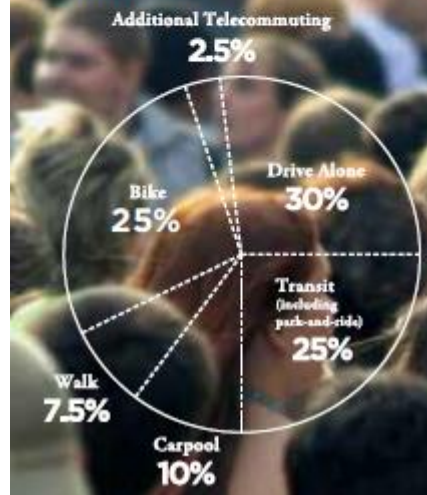
Reduce the lifecycle green-house gas emissions of transportation fuels by 20 percent.

FIGURE 12
CURRENT COMMUTE MODE SHARE
FOR PORTLAND



Sources: City of Portland Auditor, Service Efforts and Accomplishments: 2007-08

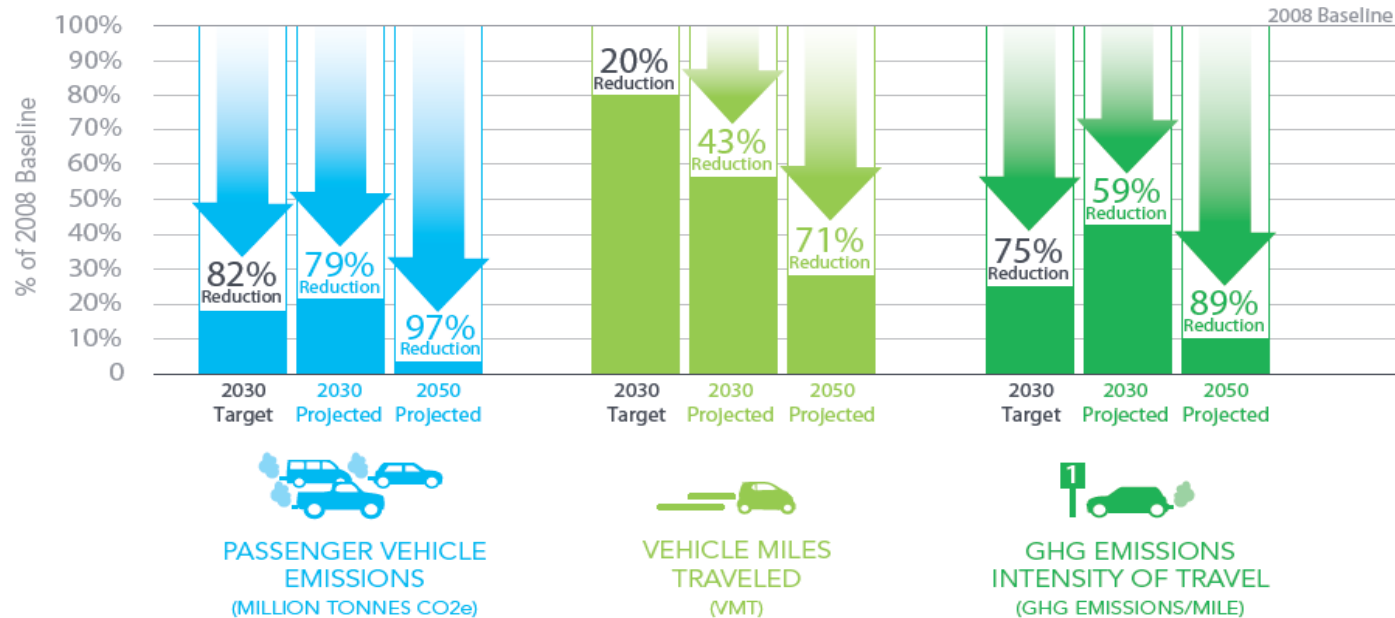
FIGURE 13
2030 TARGET COMMUTE MODE SHARE
FOR PORTLAND



Chicago

- 10 Actions
 - Invest more in transit
 - Expand transit incentives
 - Promote transit oriented development
 - Make walking and biking easier
 - Car share and carpool
 - Improve fleet efficiency
 - Achieve higher fuel efficiency standards
 - Switch to cleaner fuels
 - Support intercity rail
 - Improve freight movement

Seattle



TRANSPORTATION CHOICES:

- Funding*
- Transportation Infrastructure & Service*
- Transportation Demand Management*
- Vehicle Fuels & Technologies*

COMPLETE COMMUNITIES:

- Policy & Planning*

2030 Vision

Actions to Implement by 2015

Actions to Implement by 2030

ECONOMIC SIGNALS:

- Road Pricing*
- Parking Management*

Seattle Indicators and Targets

SECTOR		INDICATOR	TARGET
TRANSPORTATION	Passenger	Passenger Vehicle Emissions (Million Tonnes CO ₂ e)	82% Reduction
		Vehicle Miles Travelled (VMTs)	20% Reduction by 2030*
		GHG Emissions Intensity of Travel (GHG Emissions per mile of Seattle Vehicles)	75% Reduction by 2030*
	Mode Share	Center City Commute Trip	Trend away from single occupant vehicles
		All Trips in Seattle	Trend away from single occupant vehicles
	Transit	Ridership	Increase in transit mode share and ridership
		Service	Increase in transit service hours and service levels on Seattle's Frequent Transit Service network
	Bicycling	Ridership	Triple the amount of bicycling from 2007 levels by 2017
	Safety	Crash Data	Eliminate serious injuries and fatalities on Seattle streets by 2030
LAND USE	Housing	Households (in Urban Centers/Villages)	45% of households
		Affordable Housing Units	Increase in households with incomes up to 80% of the Area Median Income (AMI) paying less than 30% of their income on rent/mortgage
	Jobs	Jobs (in Urban Centers/Villages)	85% of jobs
	Livability Components	Services within a Walk (WalkScore)	Meet a minimum WalkScore in all Urban Centers/Villages
		Open Space	Increased number of Urban Villages meeting open space goals
	*Target included in the Comprehensive Plan		

Oakland

Transportation and Land Use 2020 Goals:

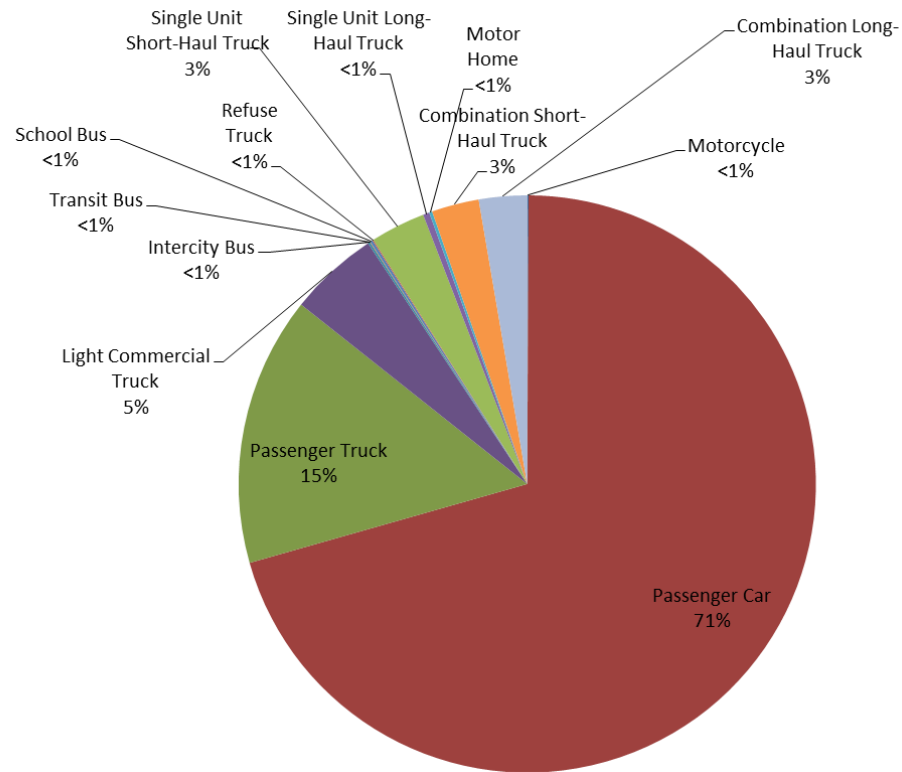
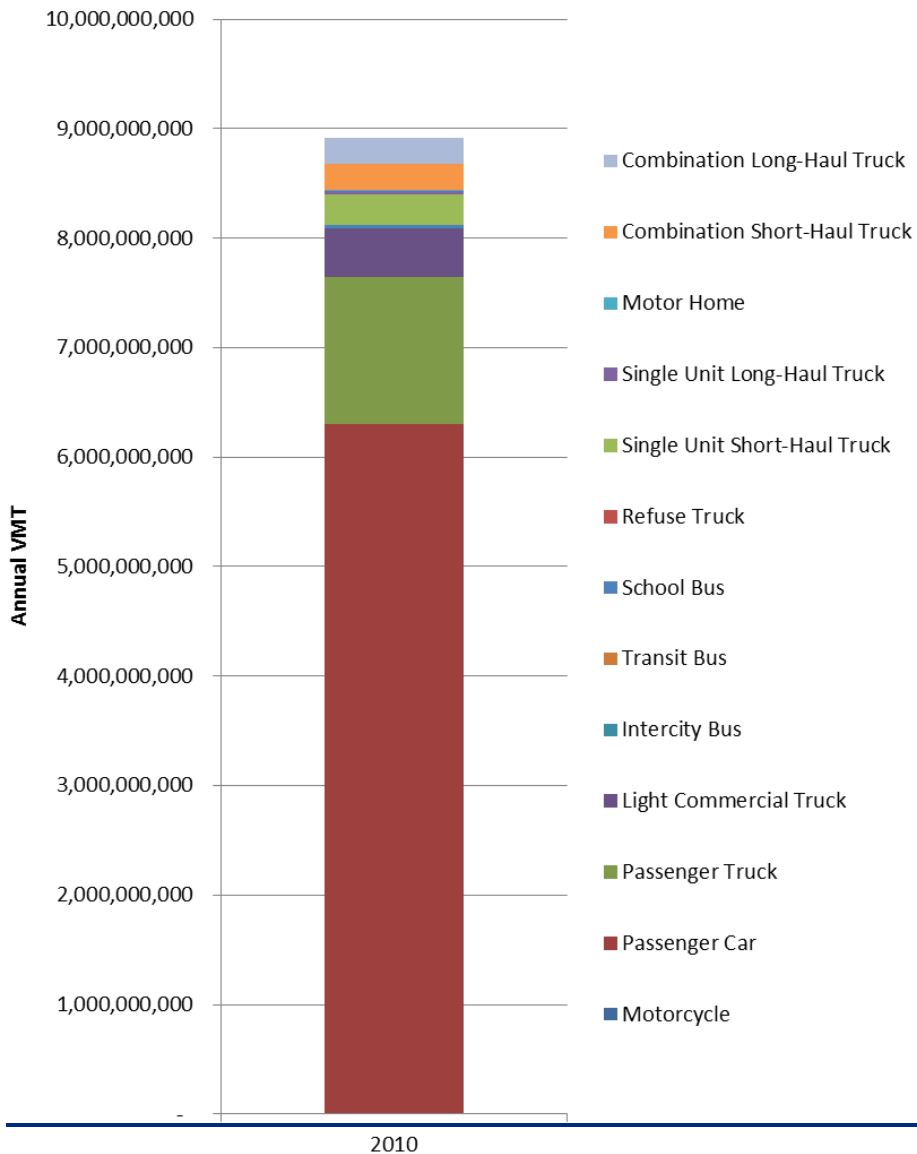
- 20 % reduction in vehicle miles traveled
- 24 million gallons of gasoline and diesel saved on local roads
- Fully integrated transportation and land use planning

Key GHG Reduction Strategies:

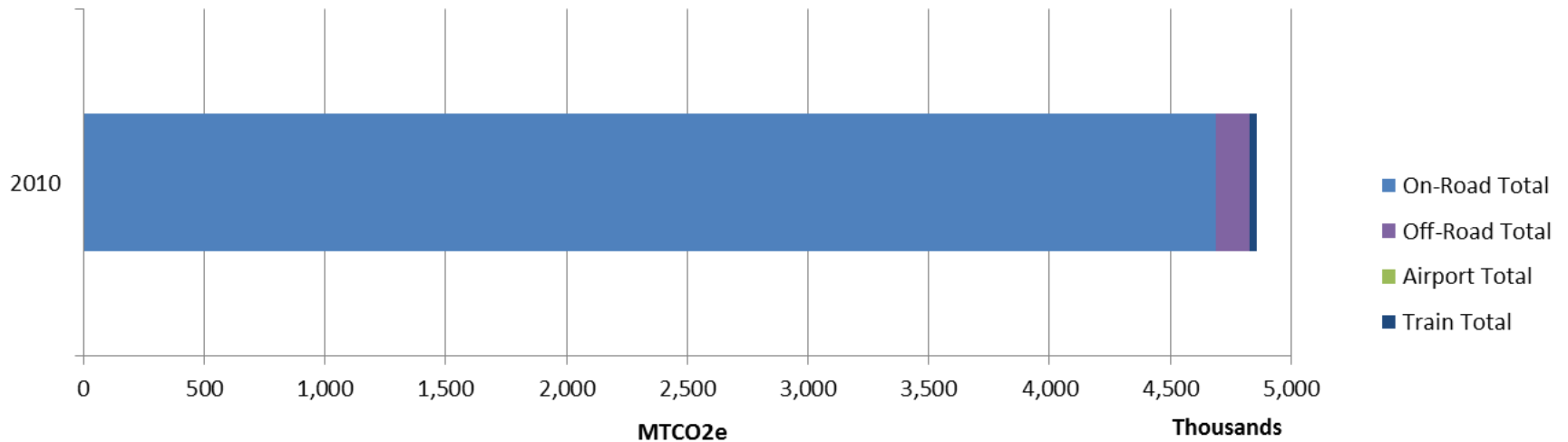
- Institutionalize a More Comprehensive Approach to Transportation & Land Use Planning
- Advance Infill, Mixed-Use and Transit-Oriented Development
- Advance the Use of Alternative Transportation
- Refine Parking Policies to Encourage Low-Carbon Mobility
- Foster the Use of Low-Carbon Vehicles and Fuels
- Engage the Port of Oakland and Related Industry in Reducing GHG Emissions
- Develop Oakland's Urban Forest
- Reduce Emissions Associated with City Operations

Brainstorm

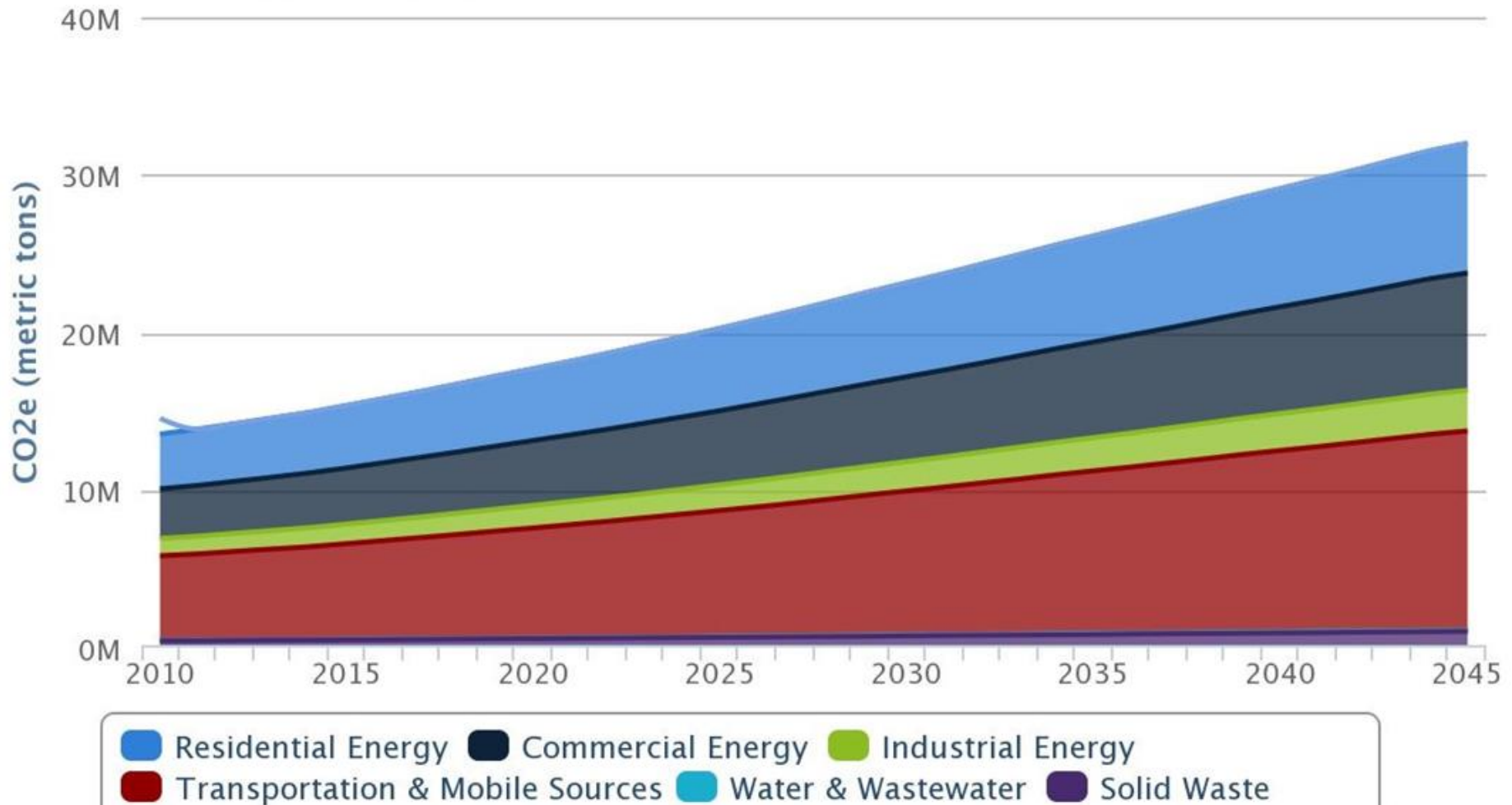
Vehicle Mix

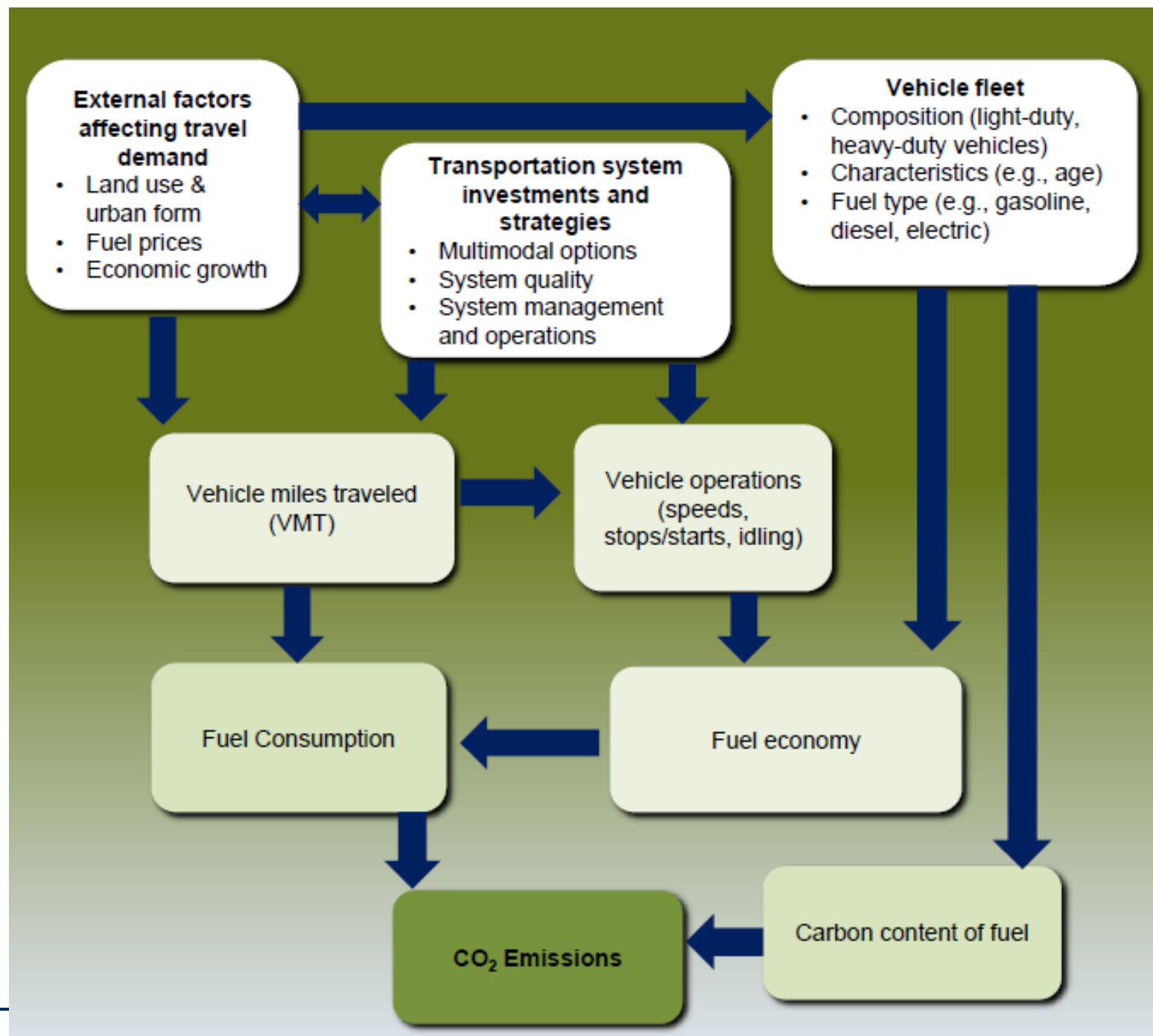


Transportation & Mobile Sources



Emissions and Business as Usual Growth





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