

**VECAN**  
VERMONT ENERGY & CLIMATE  
ACTION NETWORK

# 2019 Vermont Energy & Climate Action Network Conference

**Advance Transit**

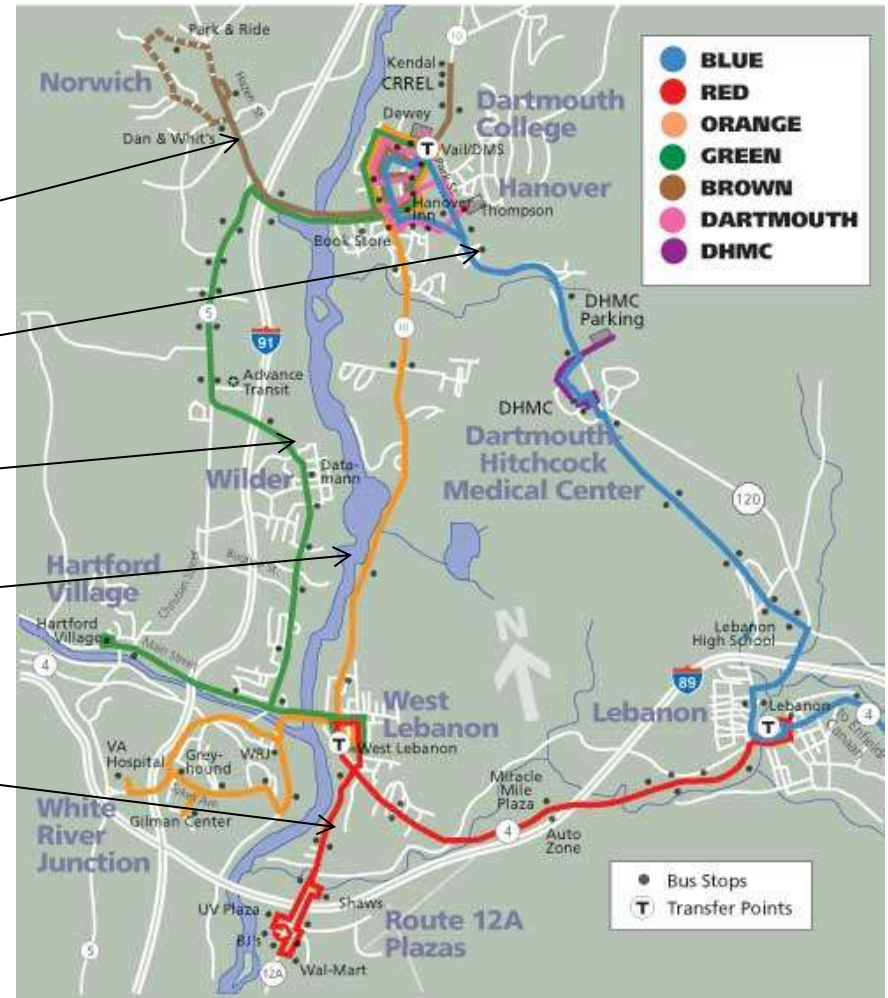
*“Moving the Upper Valley Forward”*



# What do I need to know about AT

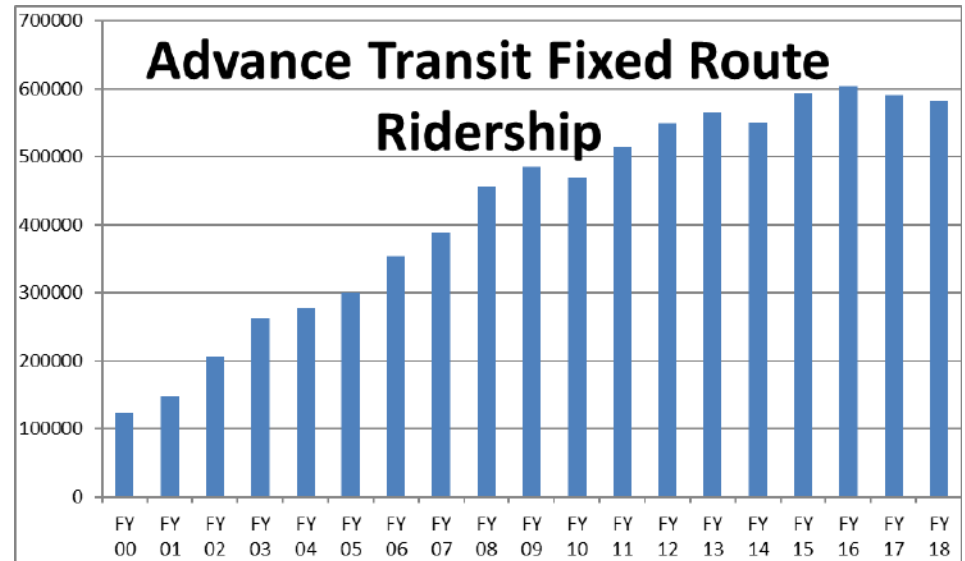
## Five Routes

- **Brown**
- **Blue**
- **Green**
- **Orange**
- **Red**
- **DHMC Shuttle**
- **Hanover Downtown**





- **Who Rides AT?**
  - 581,293 riders on 5 fixed routes
  - 287,135 additional riders on shuttles
  - 9,293 paratransit trips

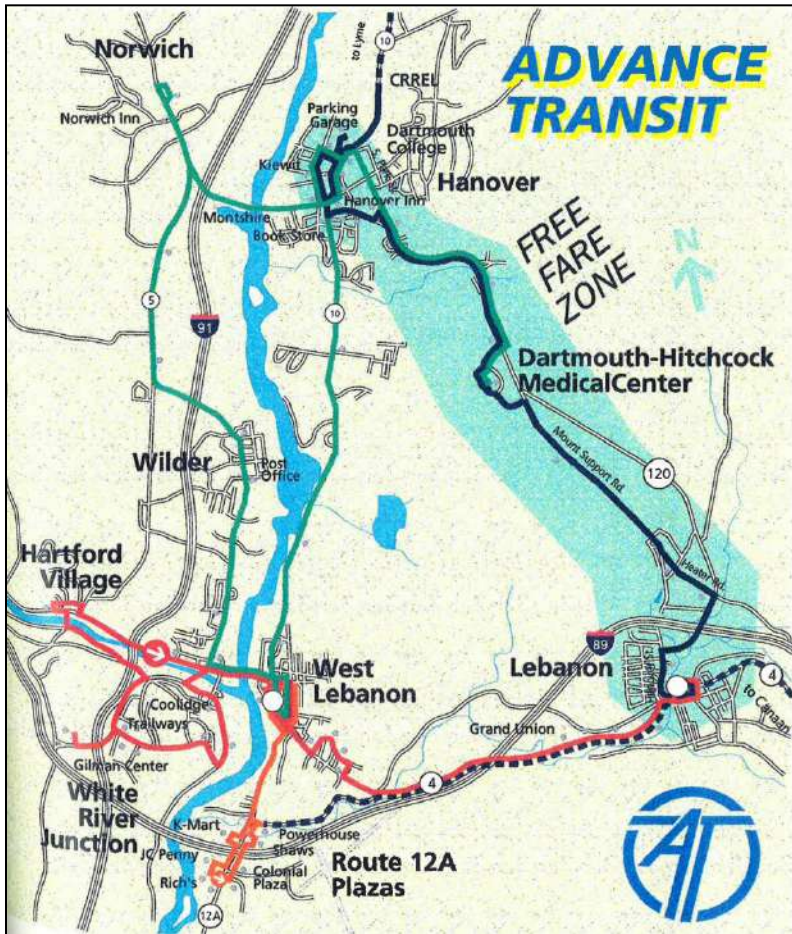




- **Who Rides AT?**

- 83% of riders use AT 3 or more days per week
- 72% have been riding longer than 1 year
- 76% use AT to get to work or go to school/college
- 58% have no car available

# The Free Fare Zone...



Advance Transit Route Map (circa 1995)

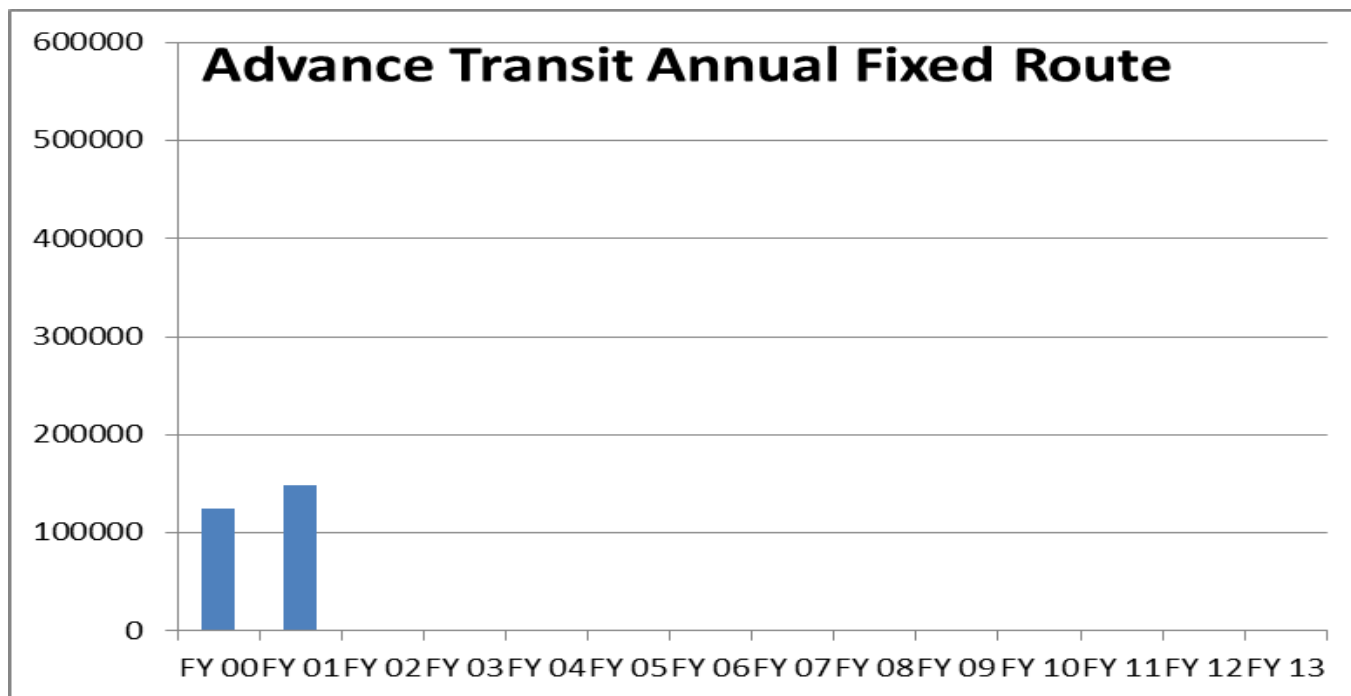
- During the mid-1990s, a “Free Fare Zone” was established on the Blue Route between the Norris Cotton Cancer in Hanover and downtown Lebanon.
- The Free Fare Zone was made possible by substantial contributions from DHMC and Dartmouth College.
- Provided the first financial incentive to take Advance Transit Free Fare, but was very difficult to enforce and administer.



- **Why is AT Free Fare?**
  - Compelling reasons
    - Promote increased ridership to decrease traffic congestion
    - Reduce parking demand and the need for a parking facility
    - Reduce local and regional air pollution
  - Support for AT's operations enabled free fares
    - Dartmouth College
    - Dartmouth-Hitchcock Medical Center
    - Municipalities – Hanover, Lebanon, Enfield, Canaan in NH and Hartford and Norwich in VT



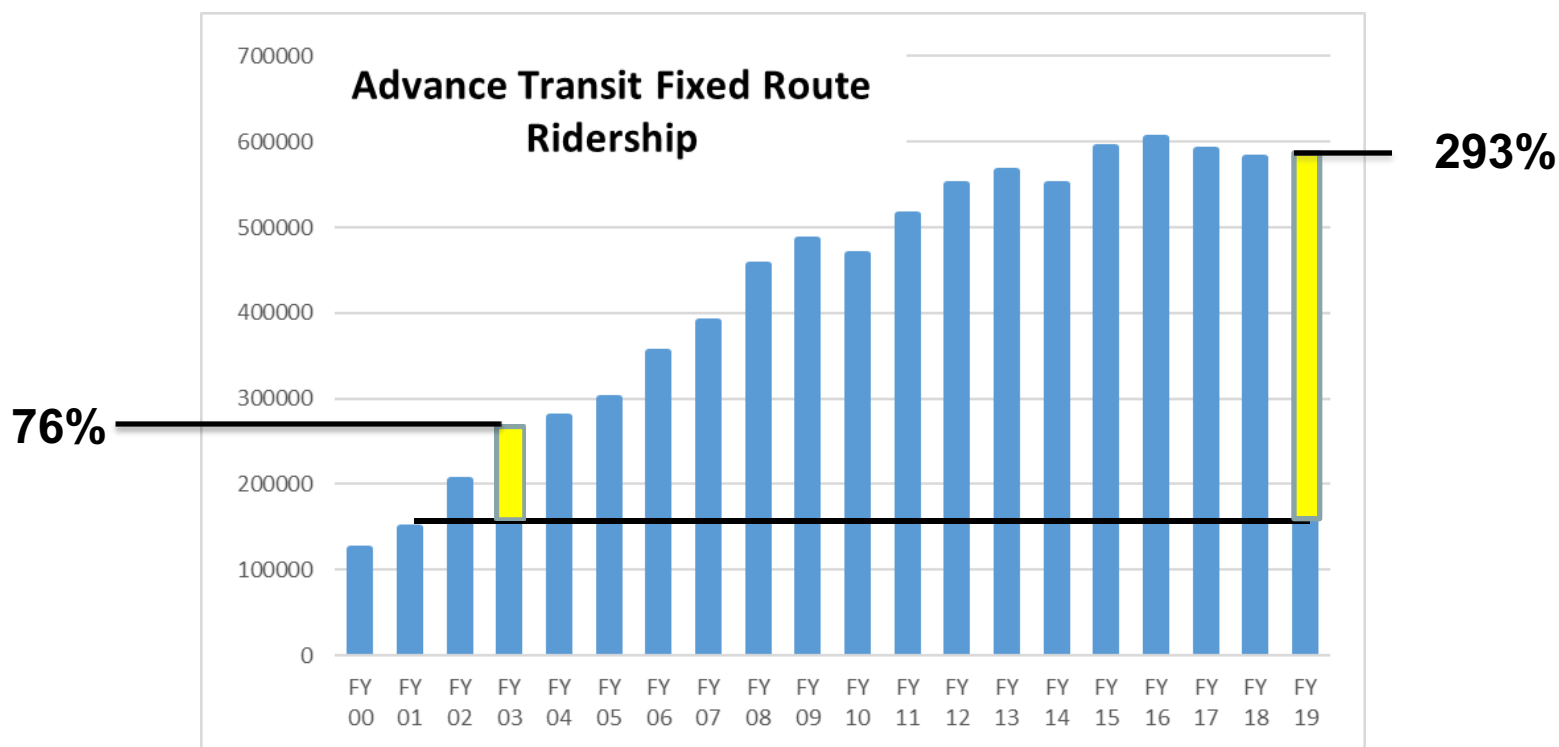
- **Why is AT Free Fare?**
  - Did we see increased ridership when Fare Free was introduced?





- **Why is AT Free Fare?**

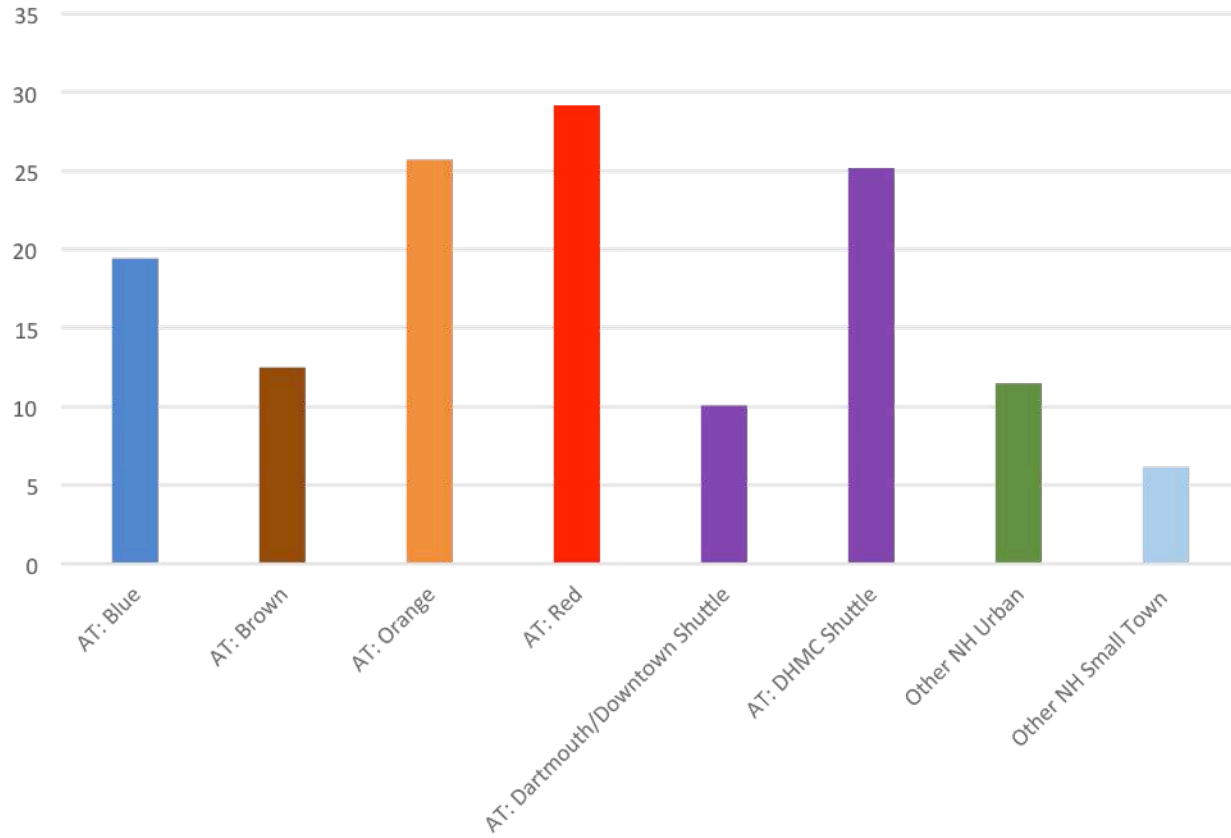
- Did we see increased ridership? Yes...





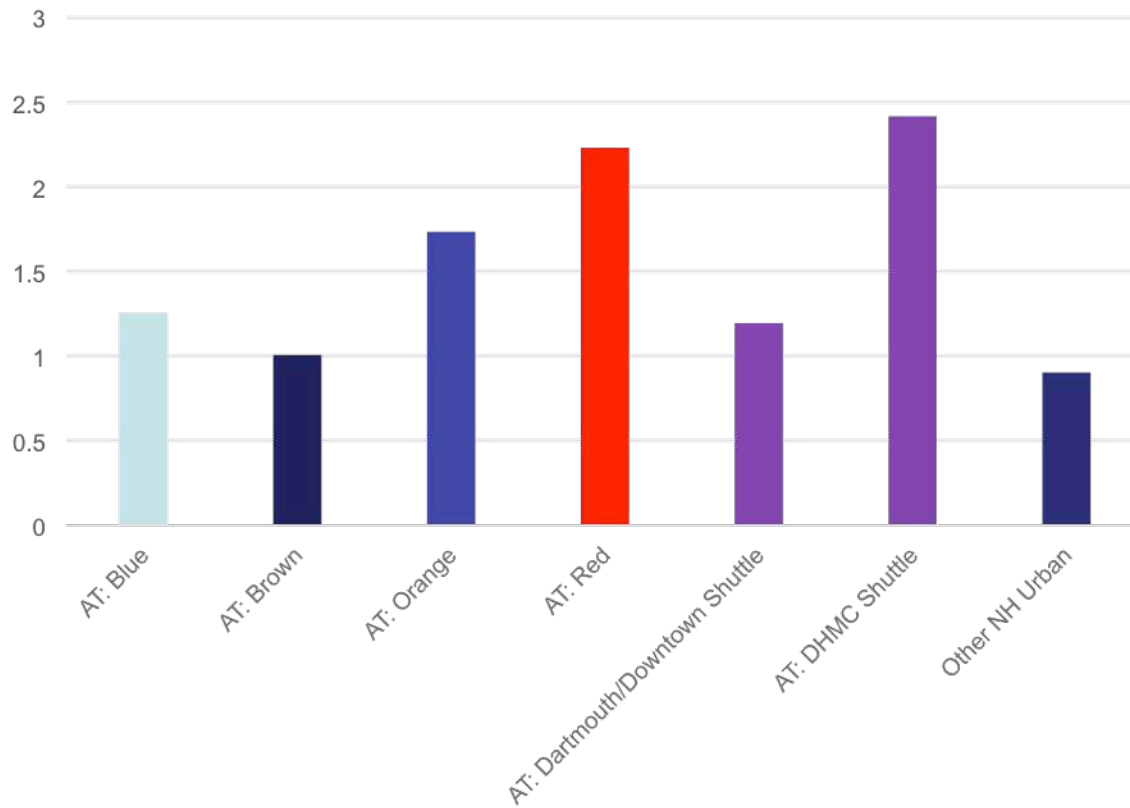


### FY 18 Boardings per Hour



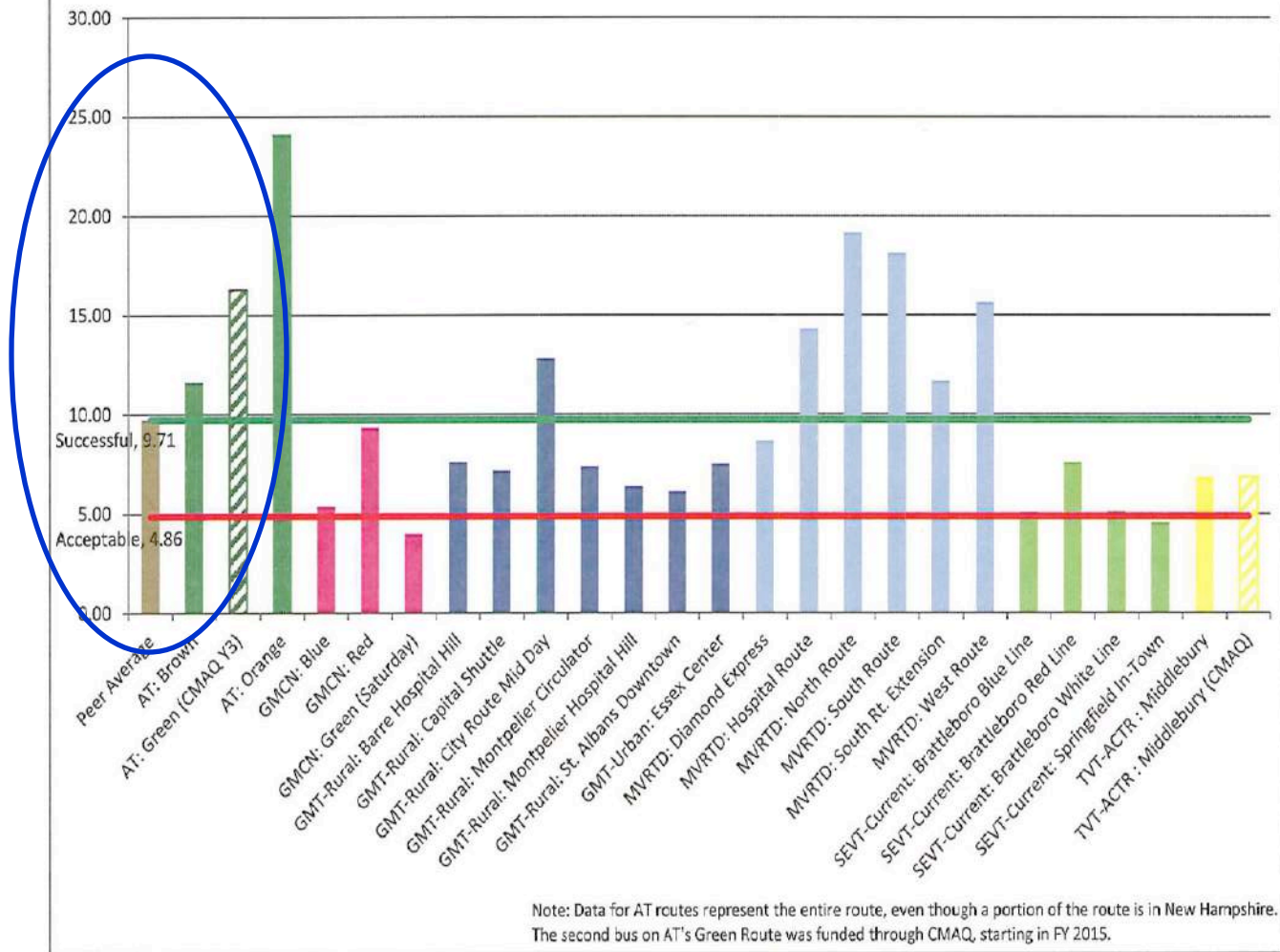


### FY 18 Boardings per Mile



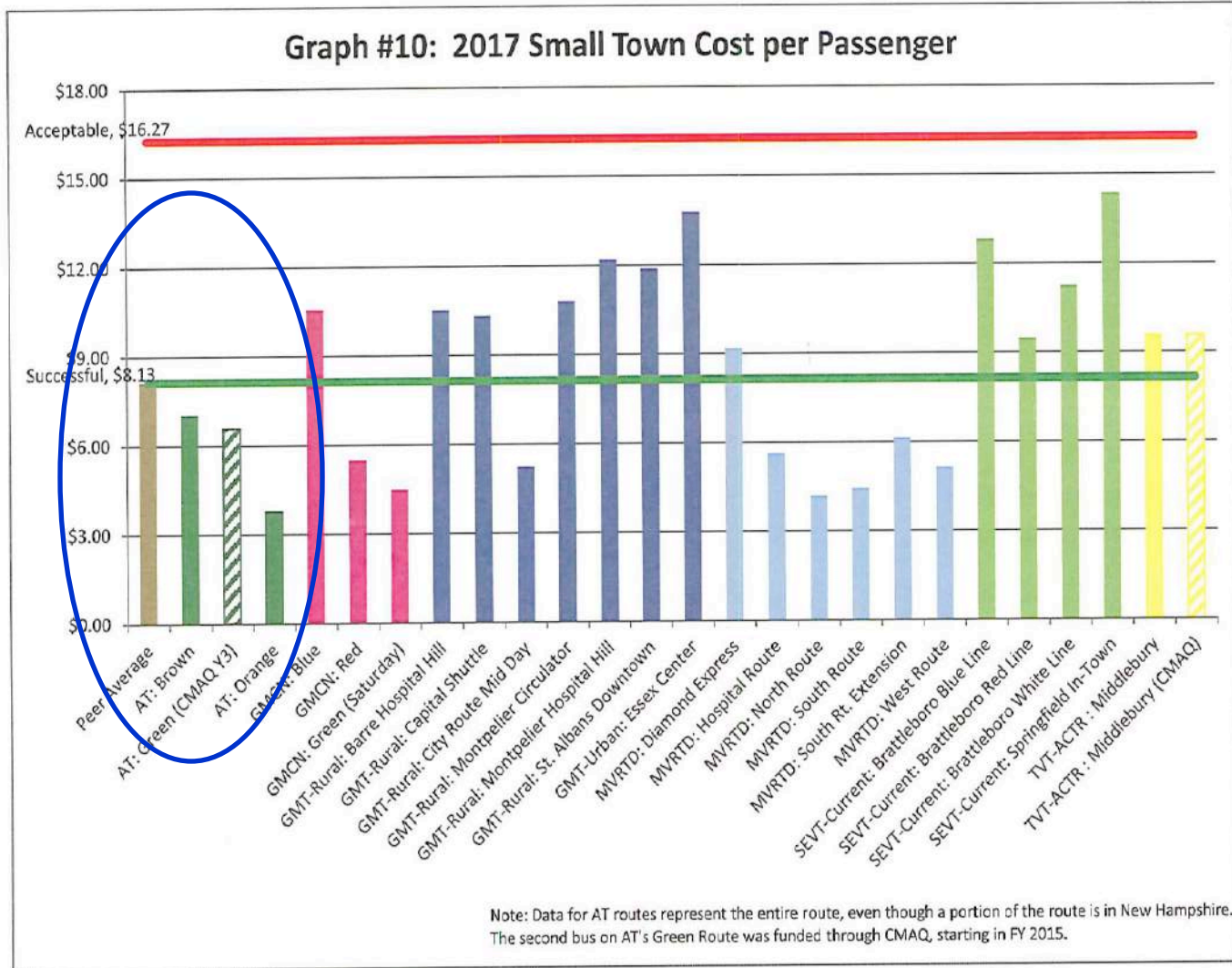


**Graph #2: 2017 Small Town Boardings per Hour**





**Graph #10: 2017 Small Town Cost per Passenger**

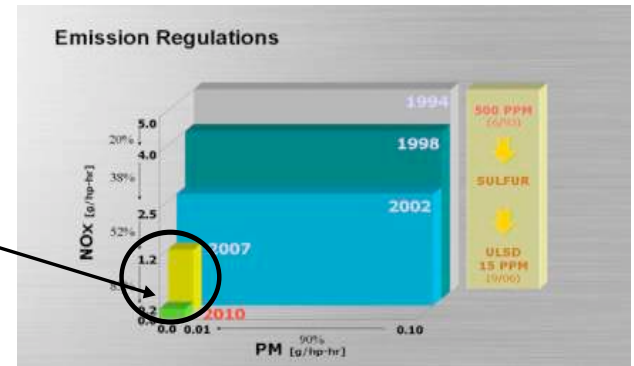




# Advance Transit

## “Moving the Upper Valley Forward”

AT has acquired 18 new low emission buses manufactured by Gillig, a US based company. Some are 35 feet long while others are 30 feet long. All of these new buses meet the rigorous 2010 EPA emission standards for heavy duty diesel engines, **reducing nitrous oxides by 95% and particulate matter by 90%**. The chart at the right, from “Meeting EPA 2010” shows the dramatic impact of the improved diesel engines.





# Electric Buses Are on the Way to Advance Transit





# NEWS

from

**Senator Patrick Leahy | Senator Bernie Sanders |  
Representative Peter Welch**

## **\$3 Million Federal Grant For Electric Buses And Charging Stations In Vermont's Upper Valley.**

**Vermont Agency of Transportation (VTrans) will receive a \$3 million federal grant from the U.S. Department of Transportation to purchase electric buses and charging stations to be used in Vermont's Upper Valley. The Vtrans project will be implemented in partnership with Green Mountain Power and the **Upper Valley's Advance Transit, Inc.****



***“It is very convenient. I’m a new mother without a license. I’d have no other way to get to work. Thank you for your service.”***

**Thank You**

**Questions**



