

Path to Zero Emissions & the Savings Along the Way

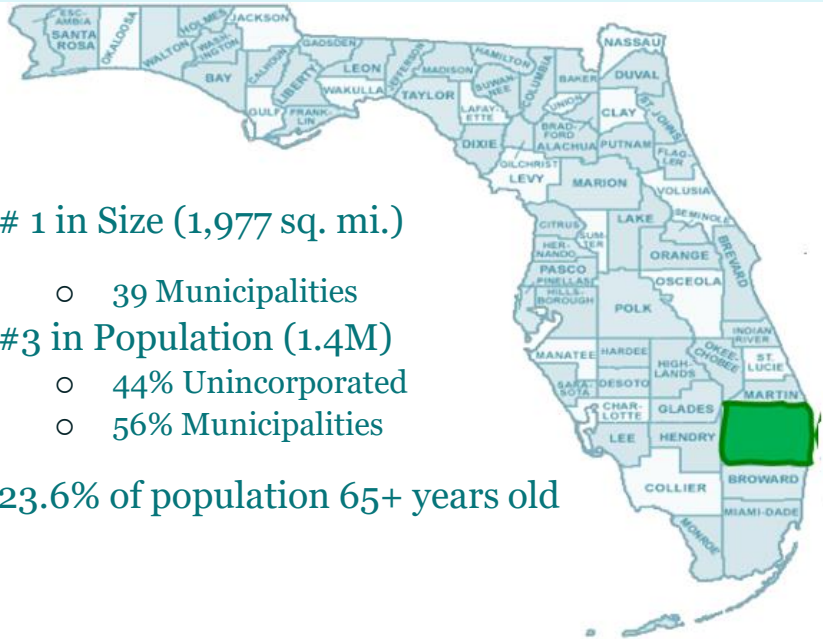


30TH ANNUAL TD TRAINING WORKSHOP & EXPO

Lou Ferri
Senior Manager of Paratransit



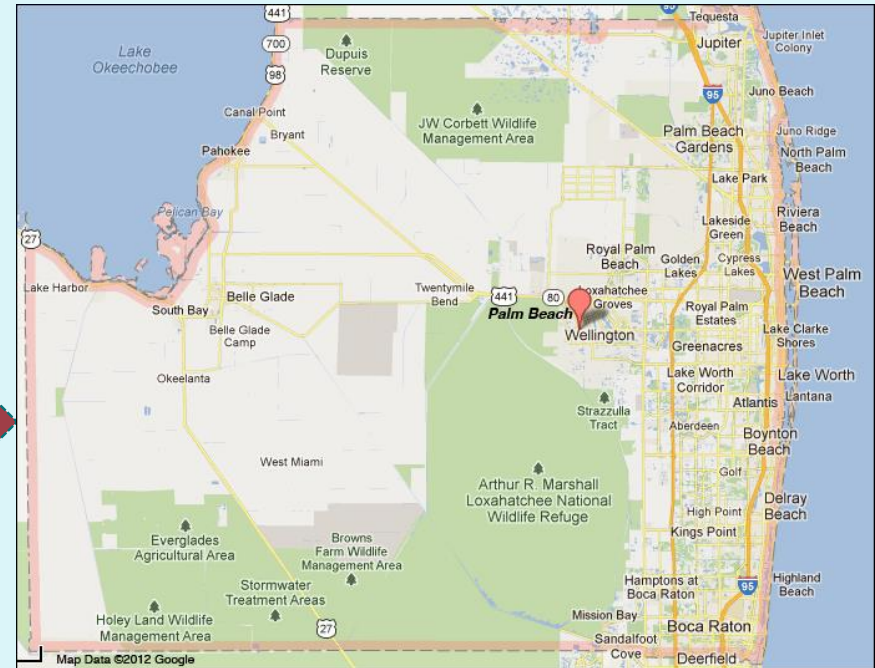
Palm Tran Mission: To provide access to opportunity for everyone; safely, efficiently and courteously.



1 in Size (1,977 sq. mi.)

- 39 Municipalities
- #3 in Population (1.4M)
- 44% Unincorporated
- 56% Municipalities

23.6% of population 65+ years old





150+ Fixed Route Buses

3,000 Bus Stops

7.6 Million Trips per year post
COVID and 9.1 Million pre

8.5 million miles per year per
COVID and 8.1 million post



639 Palm Tran Employees

430+ Contracted
Paratransit Operators

Go Glades
Mobility On Demand Service
Over 300 daily trips



300 Paratransit Vehicles

Door-to-Door Service

Up to 5,000 Trips per Day pre-
COVID and 3,000 post

12 million miles per year pre-
COVID and 9 million post



Palm Tran transports more people annually than Brightline, PBIA, TriRail,
Delray Beach Trolley and West Palm Beach Trolley combined





- In 2014 Palm Beach County purchased 231 new ADA accessible vehicles.
- 191 Cutaways (6-2, 8-3, 12-2 configuration) and 40 ADA Minivans
- 50 of the Cutaways were Propane (25 Glaval & 25 Champion)



PALM TRAN CONNECTION
NEW PARATRANSIT FLEET MODELS
BRAUN MINI-VAN, TURTLETOP, GLAVAL 6/2, CHAMPION 6/2



Fleet Composition



43 fully dedicated propane vehicles

Freedom Turtle Top	Champion 4500 Series	Champion 4600 Series	Glaval 5300 Series	Glaval 5200 Series
Engine Size V8	Engine Size V8	Engine Size V8	Engine Size V10	Engine Size V10
Capacity 10-2	Capacity 8-3	Capacity 12-2	Capacity 12-2	Capacity 8-3





- Propane has a lower energy content vs gasoline but a higher-octane rating resulting in improved performance
- Engines are certified to the optional low NOx standard of .05, which is 75% cleaner than the EPA standard



Challenges



- Service area and high mileage
- Lack of propane infrastructure on property doesn't allow for multiple refueling stops
- Lack of propane trained mechanics and increased costs associated with shop time
 - Shop time increased by 3.5hrs per propane vehicle





Thank you

Questions & Discussion

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