

METROPOLITAN TRANSIT AUTHORITY OF HARRIS COUNTY, TEXAS

2019

METRO ON THE MOVE

August 13, 2019

CHAIR CARRIN PATMAN



2040

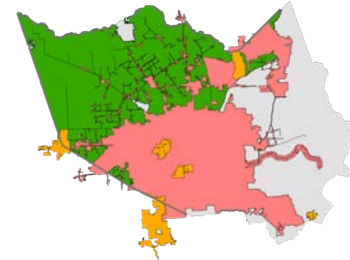
HOUSTON REGION FORECAST



**At least
10 million**
people
in the region



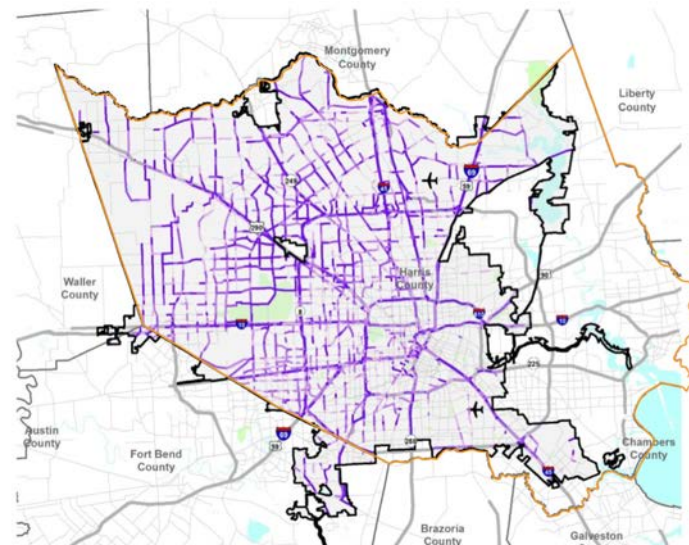
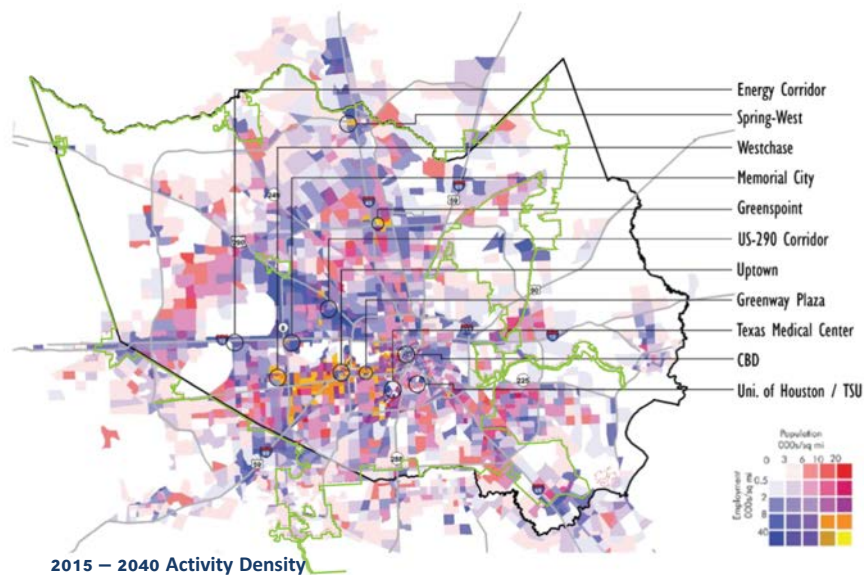
4.5 million
jobs
in region



↑50%
population
in METRO
service area

*Source: H-GAC Population and
Employment Forecasts, 2017*

WHAT ABOUT TRAVEL?



INCREASED DENSITIES WITHIN THE URBAN CORE AND HIGH GROWTH AREAS IN THE NORTH, WEST AND SOUTHWEST

EXISTING AND FUTURE CONGESTION ON ROADWAY NETWORK



METRONow



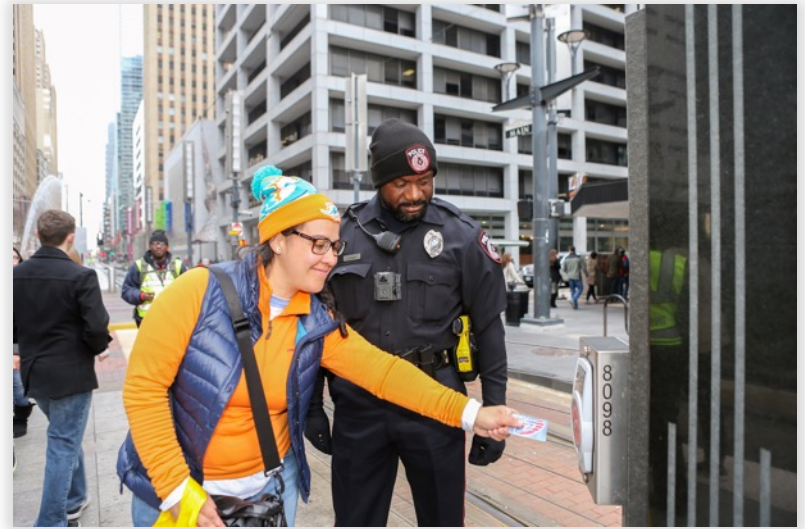
METRO SERVICES

- **Local Bus**
 - Fixed Route
 - Community Connector
 - Bellaire Quickline
 - Operates Greenlink/Orangelink
- **Park & Ride/Commuter Services**
- **METRORail**
- **METROLift**
- **HOV/HOT Lanes**
- **METRO STAR Vanpool**
- **Motorist Assistance Program (MAP)**
- **Houston TranStar**
- **METRO Police**
- **Bikes on Buses and Rail**
- **Emergency Management Support and Community Assistance**
- **Major Events and Conventions**

THE HEART OF THE ORGANIZATION

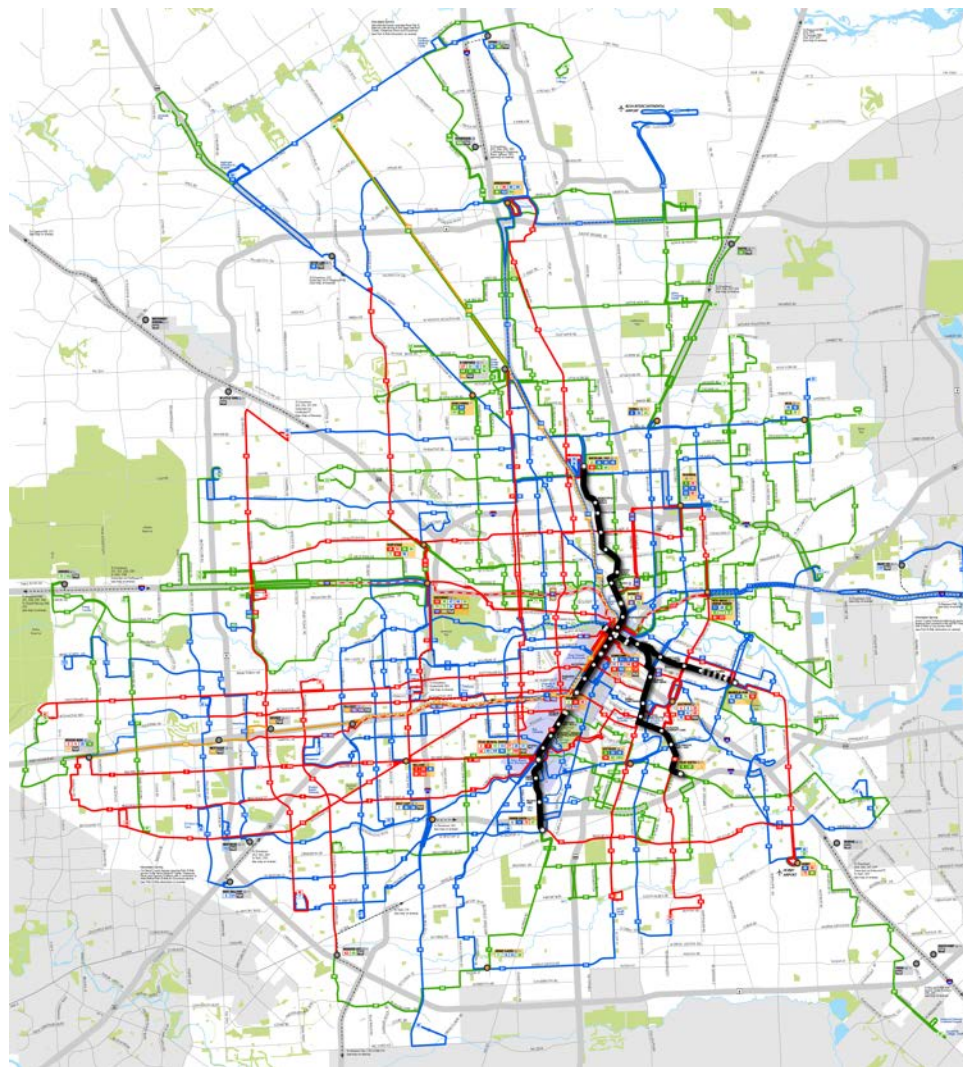


**4,000+ EMPLOYEES
STRONG**



LOCAL FIXED ROUTE BUS NETWORK

- “REIMAGINED” - completely redesigned from scratch - in 2015
- Frequent service and weekend service significantly expanded
- Grid system, ties into rail, reflects population/job center changes
- Ridership increasing
- Nearly 30 cities consulting with Houston to redesign their systems



CUSTOMIZED BUS SERVICES: COMMUNITY CONNECTOR



- Curb-to-curb, dial-a-ride service
- Connects neighborhoods where traditional bus service wouldn't work to greater METRO service area
- Service anchor points at key destination hubs such as Walmart and Acres Homes Transit Center

CUSTOMIZED

BUS SERVICES: BELLAIRE QUICKLINE

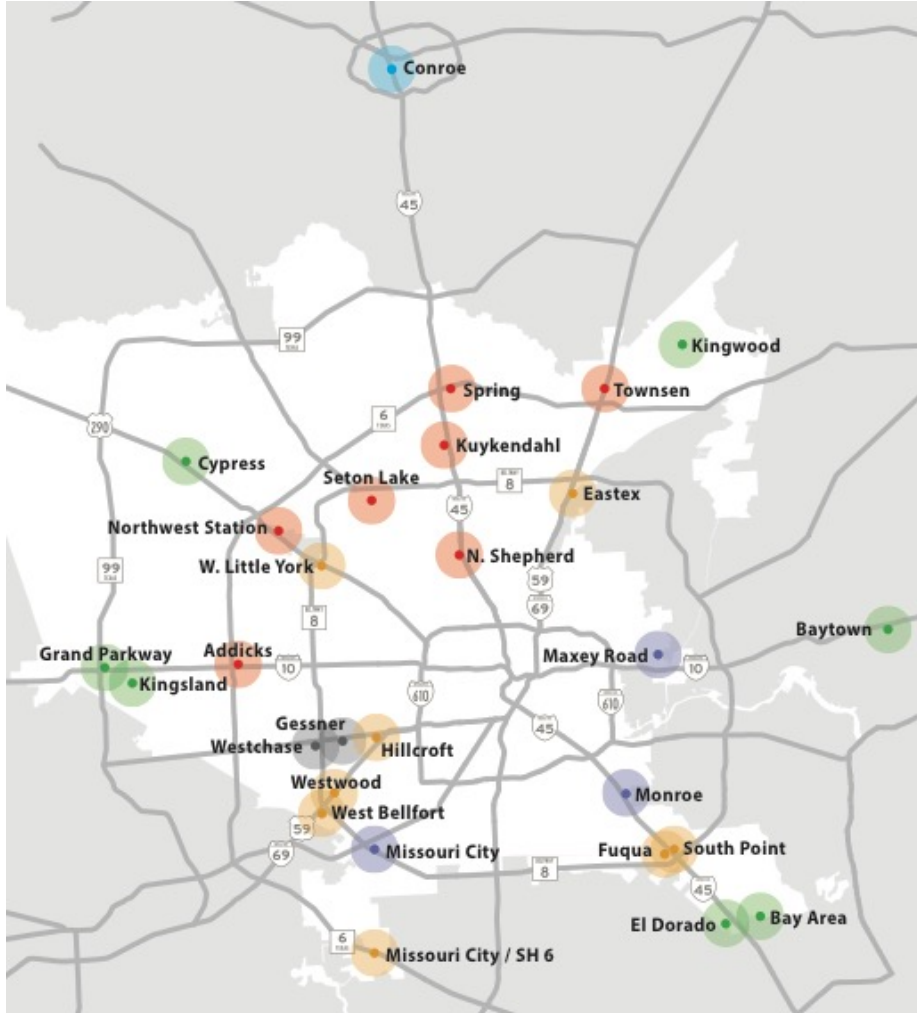


BELLAIRE QUICKLINE SIGNATURE SERVICE

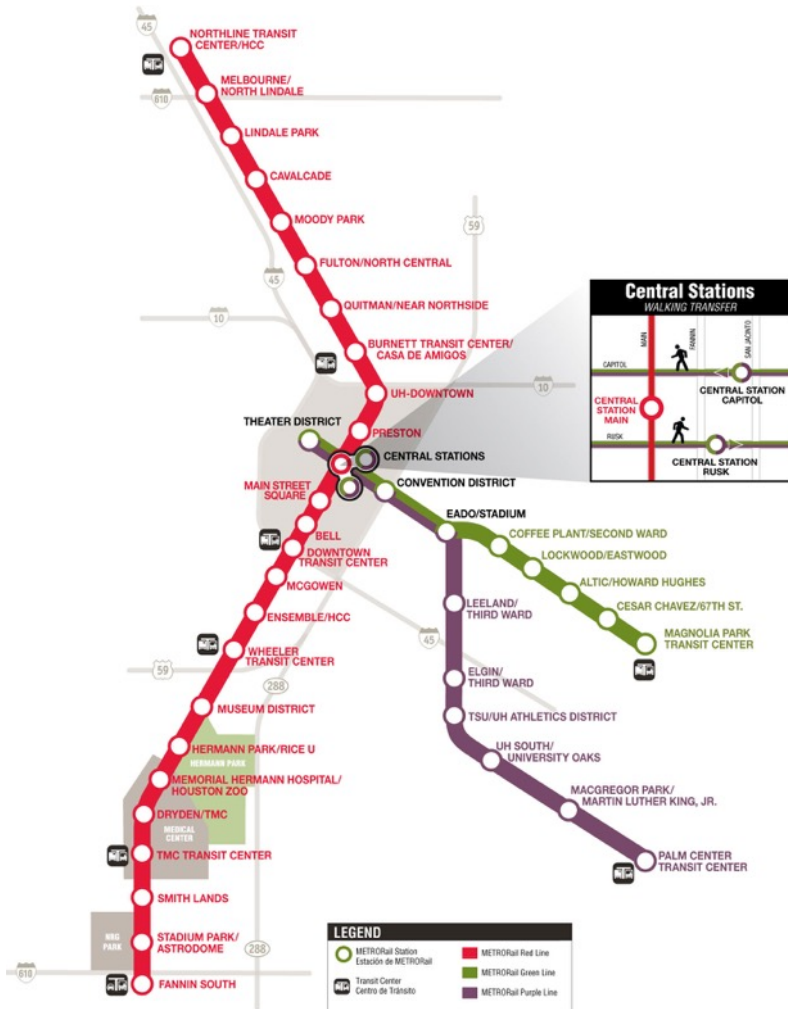
- Express service with limited stops
- Runs every 15 minutes or less



PARK & RIDES AND HOV/HOT LANES

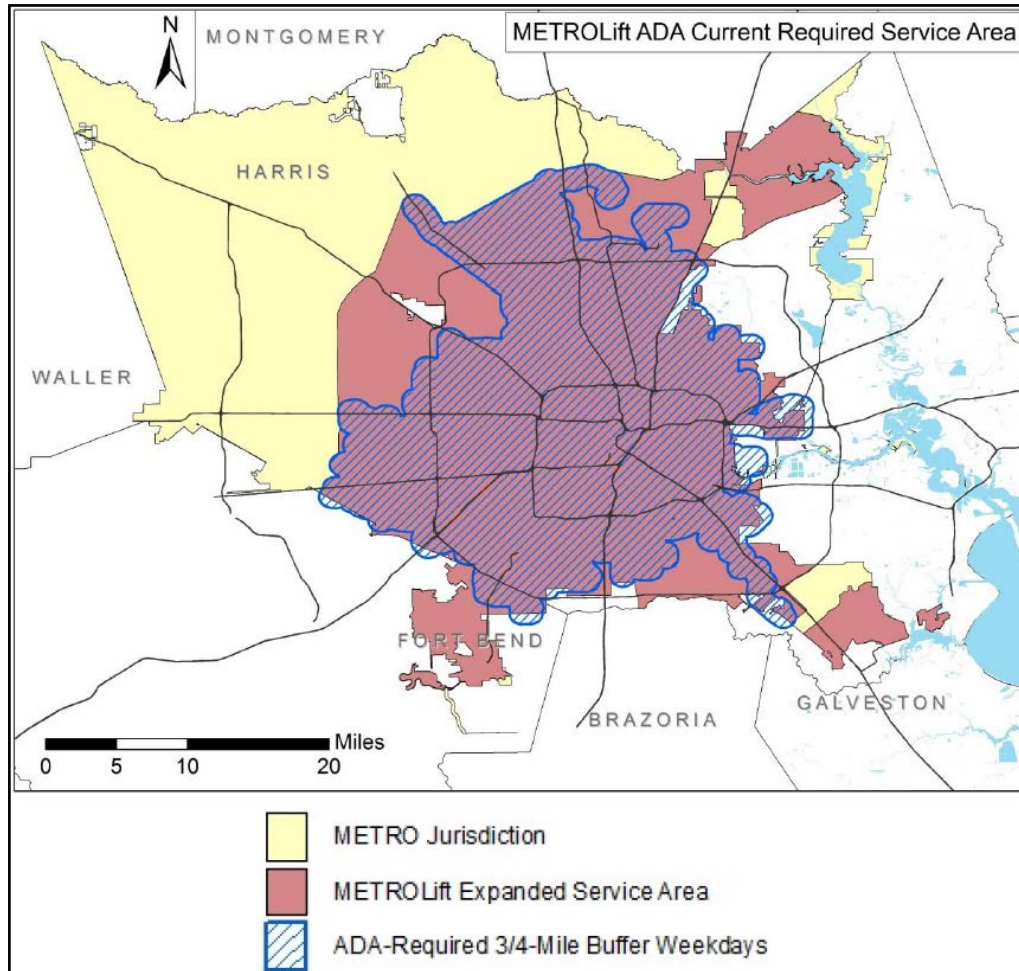


METRORAIL SERVICE



- Red Line is one of the **most successful** rail lines in the country (ridership/mile)
- **\$8 billion** in development along the Red Line since it opened
- Green Line ridership up **72%** since first full year of operation
- Purple Line ridership up **42%** since first full year of operation
- Development occurring along the Green and Purple lines

METROLIFT SERVICE

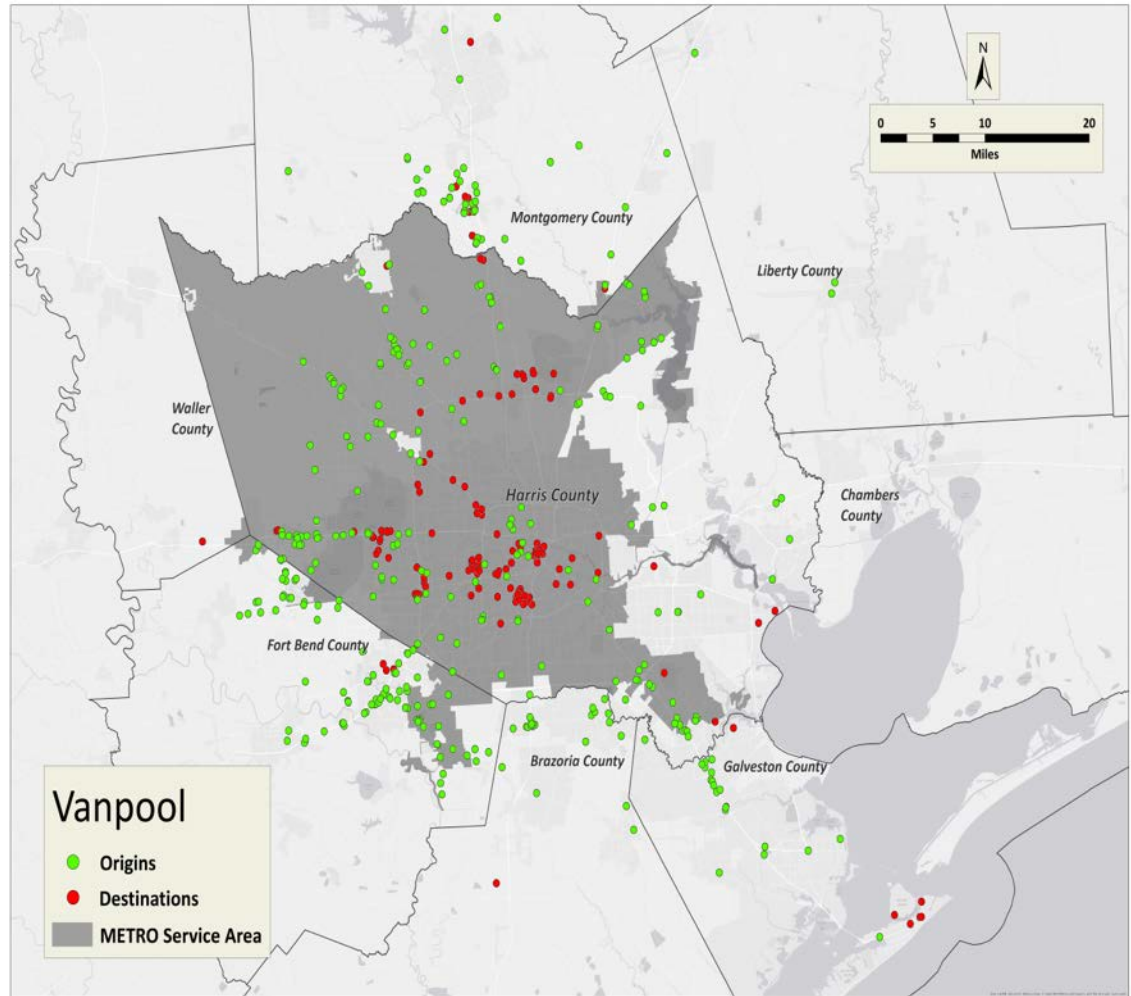


- Paratransit service offered in accordance with the Americans with Disabilities Act
- Most cost-efficient paratransit service in the country among larger cities
- Alternative option: METRO will subsidize up to \$10 of cab fare
- Free rides on fixed-route service for disabled



METRO STAR VANPOOL

- 557 vanpools facilitated by METRO
- Ride-sharing to and from work
- Reduces vehicle miles by 50 million in the region
- One of the largest vanpool operations in the country



EMERGENCY

MANAGEMENT SUPPORT AND COMMUNITY ASSISTANCE

- Hurricane Harvey: brought 15,000 people to and from shelters
- Service resumed as roads available
- Lifeline for those with destroyed cars or displaced from regular schools



SERVICES AND RIDERSHIP

LOCAL BUS ROUTES

59.5 MILLION RIDES (188,983 AVG. WEEKDAY)

PARK & RIDE BUS ROUTES

7.7 MILLION RIDES (30,185 AVG. WEEKDAY)

LIGHT RAIL

19.0 MILLION RIDES (60,702 AVG. WEEKDAY)

METROLIFT (PARATRANSIT)

2.0 MILLION RIDES (6,622 AVG. WEEKDAY)

METRO STAR (VANPOOL)

1.9 MILLION RIDES (7,420 AVG. WEEKDAY)

HOV/HOT LANES

26.5 MILLION USERS OTHER THAN METRO BUS PASSENGERS EACH YEAR

AUTOMATIC PASSENGER COUNTER



Numbers pending final audit

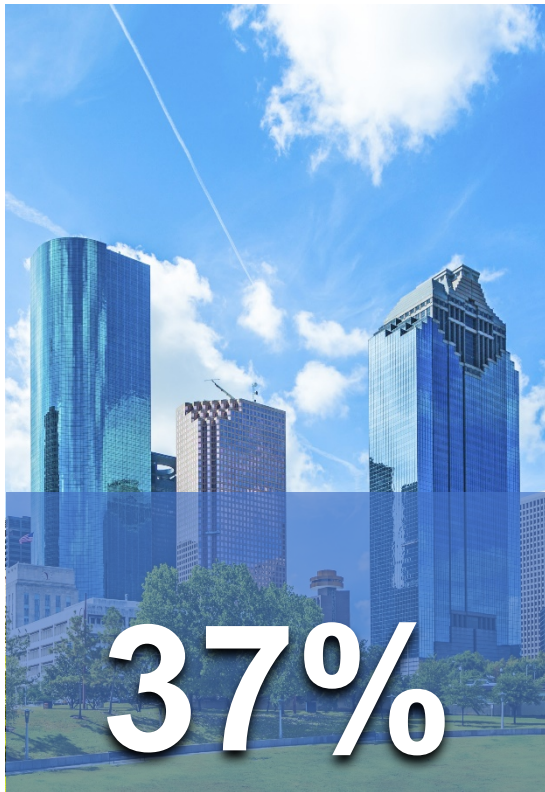
RIDERSHIP ON THE RISE

- **3% TOTAL SYSTEM RIDERSHIP INCREASE** (FY2017 - 2018)
- **12% FIXED-ROUTE RIDERSHIP INCREASE** (FY2012 - 2018)



WORK TRIPS ON METRO DURING PEAK PERIODS

Downtown Houston



Galleria Area



Texas Medical Center



Source: METRO's Long Range Travel Model, calibrated to 2017 ridership data

METRO

TRANSIT AWARDS AND RECOGNITIONS



2015 Outstanding Public Transportation System



State of Texas Quadrennial Performance Audit (2012 - 2015)
"METRO has an excellent transit system. It provides safe, efficient, reliable, and cost-effective service to stakeholders in and around Houston and the 14 municipalities in the service area."



APTA Bus Safety & Security Award



2018 Transit System Of the Year Region Six



2017 Outstanding Metropolitan Transit System



2018 APTA Top Transit Manager

FUNDING THE AUTHORITY



FY2019 Budget Sources of Revenue		
Sales Tax	55.4%	754.7
Grants	12.4%	169.5
Farebox	4.9%	67.5
Borrowing	7.2%	97.7
Other	1.3%	17.5
Fund Balance	18.8%	256.9
\$1,363.8 (in millions)		

Up to 25% to:

- City of Houston
- Harris County
- Multi-Cities

***“General Mobility Program” -
\$3.2 Billion Rebated Since Inception***

FINANCIALLY PRUDENT

FY2019 Budget

Operating	626.2
GMP Transfer	180.0
Capital	286.0
Debt Service	104.2

\$1,196.4 (in millions)



Only 2.0% Growth In Base Operating Budget



Conservative Sales Tax Assumptions
(reduced Dr. Gilmer's projections by 1% for 2019)



Prudent Reserves

**MOODY'S
INVESTORS SERVICE**

Aa2 Rating

**STANDARD
& POOR'S**

The McGraw-Hill Companies

AAA Rating



**Texas Comptroller
Leadership Circle**

Sound financial practices,
openness, and transparency



*"The Metropolitan Transit Authority of Harris County has shown **a true commitment to Texas taxpayers.**"*

Texas Comptroller Glenn Hegar



Excellence in Financial Reporting

TexPIRG

'A' for Spending Transparency



METRONext



METRO NEXT

Moving Forward



VIDEO PLAYS

KEY GOALS IN THE PLANNING PROCESS

- Improve mobility and manage congestion
- Enhance connectivity
- Support vibrant communities
- Ensure a return on investment
- Future-proof system
- Leverage existing investments



METRO EMBRACES INNOVATIVE SOLUTIONS



Autonomous Vehicles



Platooning Buses on
HOV Lanes



 METRO App



Bus Rapid Transit (BRT)



AV Pilot - TSU



Electric Buses

Leading Edge

- METRO TRIP App
- Next Bus Arrival Texting
- Wi-Fi on-board pilot coming May 2019

Cutting Edge

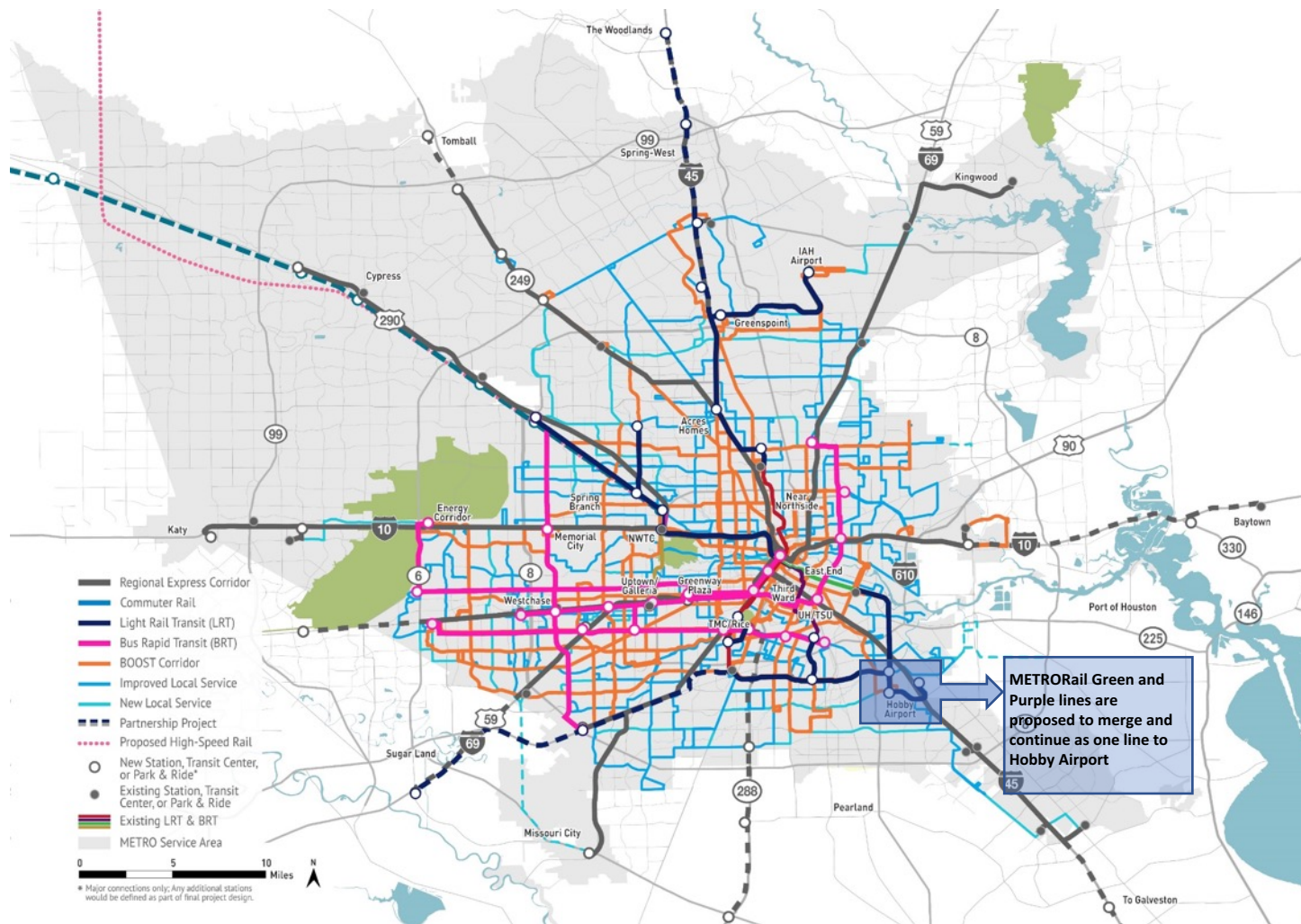
- Autonomous circulator
- My Stop Technology Bluetooth beacon
- Digital signage
- On-board infotainment

Partners

- Chair of Team Houston, Texas Innovation Alliance
- Houston Exponential
- Greater Houston Partnership
- COH Mobility Working Group
- Texas Technology Task Force
- Transportation 4 America-Smart Cities/Smart Cities Collaborative
- Station Houston
- Research partners: UH, TSU, UT and Texas A&M



METRONEXT VISION PLAN



DRAFT 12.11.2018 - For Preliminary Discussion Only

KEY FINANCIAL ASSUMPTIONS

- No tax increase
- Sales tax revenues based on Dr. Gilmer's projections
 - Optimistic case
 - Medium case
- METRO continues its very prudent budgeting and reserves
- General Mobility Program (rebates to City, Harris County, and Multi-Cities for roads, etc.) extended through 2040 (total value projected to be over \$4 billion)
- Infrastructure projects funded with debt and federal grant funds
- Bus system enhancements financed using debt and local funds
- Forecasted expenditures include all operating and maintenance costs
- Debt issued in prudent increments based on financial realities at time of issuance and under restrictions in covenants

\$3.5 BILLION IN BONDING AUTHORITY

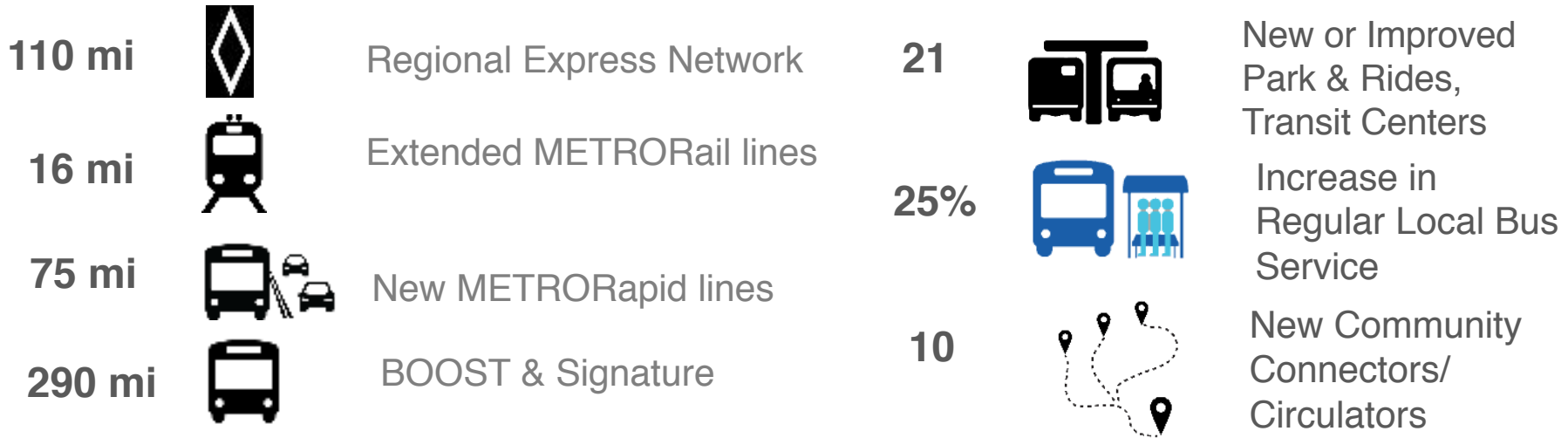
METRORapid *(Bus Rapid Transit)*

A GAME CHANGER



METRONEXT

MOVING FORWARD PLAN INVESTMENTS



Service & Access Improvements:



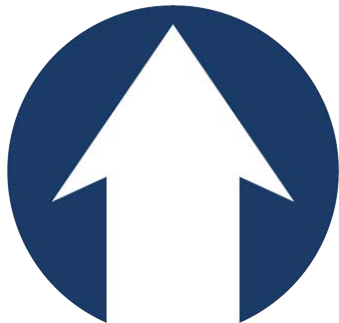
DRAFT 12.11.2018 - For Preliminary Discussion Only

METRO's CURRENT CONTRIBUTIONS



250,000 people who depend on METRO for essential mobility*

65,000 parking spaces not needed in downtown**



152,000 people moved on the HOV system***

*Estimate based on Houston Metro area's demographic profile from American Community Survey

**Estimated using ridership data from METRO's Regional Travel Model results

***Houston High Occupancy Vehicle Lane Operations Summary, 2017

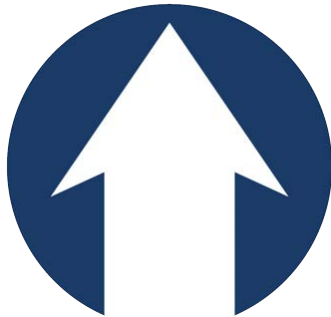
METRONEXT PROJECTED RIDERSHIP



300,000 trips per day
current systemwide ridership

2040 systemwide ridership with
METRONext Moving Forward
Plan

650,000 trips per day*



116% increase*

*Based on Houston METRO's Regional Travel Demand Model results

METRONEXT AUTO TRIPS REDUCED



235,000 auto trips per day
currently reduced by METRO*

500,000 auto trips reduced per
day by METRO in 2040*

112% more auto trips
reduced per day



*Based on Houston METRO's Regional Travel Demand Model results

METRONEXT VEHICLE MILES TRAVELED REDUCED



2 million vehicle miles traveled
reduced by METRO today*

5.3 million vehicle
miles traveled to be
reduced per day by 2040*



165% reduction in vehicle
miles traveled

*Based on Houston METRO's Regional Travel Demand Model results

METRONEXT GREENHOUSE GAS REDUCTION



700 million pounds of greenhouse gases per year eliminated by METRO today*

1.47 billion pounds of greenhouse gases eliminated per year in 2040*



100% improvement

*Based on Houston METRO's Regional Travel Demand Model results

METRONEXT SUBURBAN RIDERSHIP

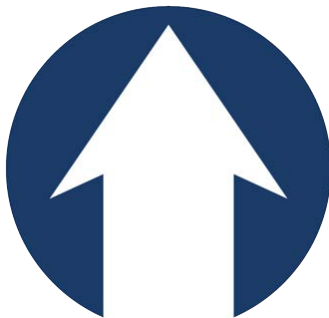


32,000 current Park & Ride
ridership per day*

72,000 Park & Ride ridership per
day in 2040**

118% increase

14 to 22 minutes per round trip
in travel time savings for two-way HOV
and off-peak Diamond Lanes in 2040**



*METRO's current observed ridership counts

**Based on Houston METRO's Regional Travel Demand Model results

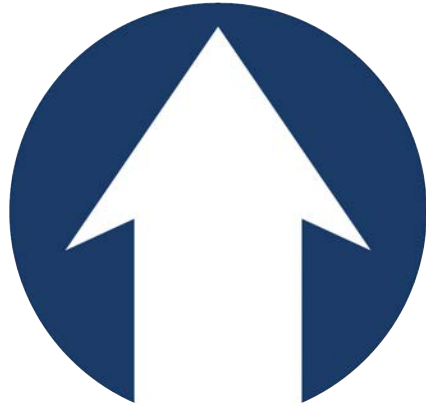
METRONEXT WORK TRIPS DURING PEAK PERIODS



47% peak period transit share for downtown trips in 2040*

11% peak period transit share for Galleria-area trips in 2040*

35% peak period transit share for the TMC-area trips in 2040*



*Based on Houston METRO's Regional Travel Demand Model results

[METRONEXT.ORG](https://metronext.org)