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
• 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
• 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
• 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

METRO PROVIDED
116.8 MILLION PASSENGER RIDES
IN FY2018

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: 37%
Galleria Area: 7%
Texas Medical Center: 28%

Source: METRO's Long Range Travel Model, calibrated to 2017 ridership data
“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.”
FUNDING THE AUTHORITY

Up to 25% to:
- City of Houston
- Harris County
- Multi-Cities

“General Mobility Program” — $3.2 Billion Rebated Since Inception

<table>
<thead>
<tr>
<th>FY2019 Budget Sources of Revenue</th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Sales Tax</td>
<td>55.4%</td>
<td>754.7</td>
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<tr>
<td>Grants</td>
<td>12.4%</td>
<td>169.5</td>
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<tr>
<td>Farebox</td>
<td>4.9%</td>
<td>67.5</td>
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<tr>
<td>Borrowing</td>
<td>7.2%</td>
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<tr>
<td>Other</td>
<td>1.3%</td>
<td>17.5</td>
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<tr>
<td>Fund Balance</td>
<td>18.8%</td>
<td>256.9</td>
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</table>

$1,363.8 (in millions)
Prudent Reserves

Only 2.0% Growth In Base Operating Budget

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

Sound financial practices, openness, and transparency

AAA Rating

Moody’s INVESTORS SERVICE

Aa2 Rating

FY2019 Budget

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Operating</td>
<td>626.2</td>
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<td>GMP Transfer</td>
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<tr>
<td>Capital</td>
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<tr>
<td>Debt Service</td>
<td>104.2</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>$1,196.4 (in millions)</strong></td>
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“"The Metropolitan Transit Authority of Harris County has shown a true commitment to Texas taxpayers.”
Texas Comptroller Glenn Hegar

Excellence in Financial Reporting

‘A’ for Spending Transparency

TexPIRG
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

**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

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**Autonomous Vehicles**

**Platooning Buses on HOV Lanes**

**Bus Rapid Transit (BRT)**

**AV Pilot – TSU**

**Electric Buses**

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**METRO App**
METRONEXT
VISION PLAN

METRORail Green and Purple lines are proposed to merge and continue as one line to Hobby Airport
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
METRO RAPID (Bus Rapid Transit)
A GAME CHANGER
METRONext
MOVING FORWARD PLAN

**METRORapid (BRT)**
- Interstate Highway 45 North to George Bush Intercontinental Airport and Greenspoint
- Inner Katy Corridor to Northwest Transit Center / Proposed High Speed Rail / Uptown
- University Corridor between Westchase and Tidwell
- Uptown Corridor extension to Gulfton
- West Houston Corridor between West Little York Park & Ride and Missouri City

**Regional Express**
- United States Highway 90A Two-Way HOV
- Interstate Highway 10 West Two-Way HOV
- Interstate Highway 45 North Two-Way HOV
- United States Highway 59/Interstate Highway 69 South Two-Way Downtown to Edloe
- State Highway 249 Two-Way Diamond Lanes/HOV
- 4 Off-Peak Direction Diamond Lane Corridors

**METRORail (LRT)**
- Connecting the Green Line and Purple Line and extending the combined lines to William P. Hobby Airport
- Extensions of Green and Purple Lines to the City of Houston Municipal Courthouse
- Extension of Red Line to North Shepherd

**BOOST & Signature Service**
- 16 Corridors
- Westheimer Signature Bus Service

**System Enhancements**
- Approximately 21 new or improved Park & Rides, and Transit Centers
- Approximately 10 new Community Connectors / Circulators
- Systemwide route improvements
- Bus stop enhancements, such as new shelters, accessibility upgrades and enhanced passenger information
- Bus Operating Facility
- Downtown, Midtown, and Texas Medical Center transit improvements
- Park & Ride Service Enhancements
- Accessibility and usability improvements and other investments designed to reduce barriers for seniors, the disabled and other users of METRO’s transit system, including METROLift services
- Improvements to facilitate portions of a rider’s trip before and after use of METRO’s transit system (First Mile/Last Mile)
- Safety and Security Enhancements
### METRONEXT
**MOVING FORWARD PLAN INVESTMENTS**

<table>
<thead>
<tr>
<th>Distance</th>
<th>Description</th>
<th>Number</th>
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<tbody>
<tr>
<td>110 mi</td>
<td>Regional Express Network</td>
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<tr>
<td>16 mi</td>
<td>Extended METRORail lines</td>
<td>-</td>
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<tr>
<td>75 mi</td>
<td>New METRORapid lines</td>
<td>-</td>
</tr>
<tr>
<td>290 mi</td>
<td>BOOST &amp; Signature</td>
<td>-</td>
</tr>
</tbody>
</table>

- **New or Improved**
  - Park & Rides, Transit Centers
- **25%**
  - Increase in Regular Local Bus Service
- **10**
  - New Community Connectors/Circulators

### Service & Access Improvements:
- **Improved Transit Service on Major Freeways**
- **Improved Bus Service and Bus Stops**
- **Resiliency Planning**
- **Partnership Projects**
- **Universal Accessibility**
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
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