

**Regional Transit Coordination (RTC) Subcommittee  
Houston-Galveston Area Council  
Online Meeting/Conference Call  
Thursday July 14, 2022  
9:30-11:00 AM**

**Agenda**

1. Introductions and Certification of Quorum (9) – Perri D’Armond, Fort Bend County Transit, Chair
2. Public Comments
3. Action Items:
  - 3.1 Approval of RTC Subcommittee Meeting Minutes of April 14, 2022
  - 3.2 Election of Subcommittee Officers
4. Information Items: (10 minutes or less each)
  - 4.1 Resources and Support
    - 4.1a Review of Subcommittee Purpose and Duties – Jamila Owens, H-GAC
    - 4.1b Data Analytics and Research Department Introduction and Resources – Pramod Sambidi, H-GAC
  - 4.2 Coordinated Planning
    - 4.2a RCTP Non-Emergency Medical Transportation (NEMT) Workgroup Update – Sandy Klanfer, H-GAC
    - 4.2b Regional Transit Connectivity Update – Sandy Klanfer, H-GAC
  - 4.3 Other Efforts
    - 4.3a Regional Transit Plan (RTP) Visioning Survey – Mike Burns, H-GAC
5. Agency Reports (5 minutes or less each)

Next RTC Subcommittee Meeting: October 13, 2022

**2022 Regional Transit Coordination Subcommittee**

<b>Nominated Position</b>	<b>Primary-Name</b>	<b>Organization</b>	<b>Alternate-Name</b>	<b>Organization</b>
Local Government	Monique Johnson	City of Sugar Land	Rick Ramirez	City of Sugar Land
Local Government	Sharon Moses-Burnside	City of Houston-Planning	Brandon Mosley	City of Houston - Planning
Local Government	Jildardo Arias	City of Friendswood	Jeremy Davis	City of Missouri City
Business Interests	Elizabeth Whitton, AICP	Energy Corridor	Jim Thompson	The Center for Pursuit
Citizens Interests	Charles Noble	Fontaine Place and Scenic Woods Civic Club	Huey German-Wilson	Trinity-Houston Gardens Super Neighborhood
Social Services/HHS	Alan Watkins	Houston Housing Collaborative	Sasha Marshall-Smith	Houston Housing Authority
Social Services/HHS	Tandelyn Weaver	Lift Fund/TIRZ 9 South Post Oak	Amina Padiath	City of Missouri City
Social Services/HHS	Paula Johnson	City of Houston - Health Dept.	Vacant	
Social Services/HHS	Jason Jones	Houston Center for Independent Living	Vacant	
Transit Agency	Ken Fickes	Harris County	Vernon Chambers	Harris County
Transit Agency	De'Andre Guin	City of Conroe	Shawn Johnson	City of Conroe
Transit Agency	Perri D'Armond	Fort Bend County	Sarah Coulter	Fort Bend County
Transit Agency	Shain Eversly	METRO	Rachael Die	METRO
Transit Agency	Ruthanne Haut	The Woodlands Township	Matt Kouns	The Woodlands Township
Transit Agency	Talisma Khandaker	Brazos Transit District	Jo Marlow	Brazos Transit District
Transit Agency	Claudia Wicks	Colorado Valley Transit	Antonio Salazar	Colorado Valley Transit
Transit Agency	Sean Middleton	Gulf Coast Transit District	Ted Ross	Gulf Coast Transit District
Transit Agency	James Oliver	Island Transit	Vacant	
Ex-Officio	Travis Madison	TxDOT- HOU	Brenda Bustillos	TxDOT-HOU
Ex-Officio	Arnold Vowles	TxDOT-BMT	Vacant	

**Total: 18**

**Revised 6-1-22**

# REGIONAL TRANSIT COORDINATION SUBCOMMITTEE

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## SPECIAL CALL MEETING MINUTES

Thursday, April 14, 2022 – 9:30-11:00am

Houston-Galveston Area Council

Virtual Meeting

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### MEMBERS PRESENT

Perri D'Armond – Fort Bend County Transit (Chair)  
Sharon Moses-Burnside – City of Houston  
Jildardo Arias – City of Friendswood  
De'Andre Guin – City of Conroe  
Shain Eversly – METRO  
Taslina Khandaker – Brazos Transit District  
James Oliver – Island Transit

### ALTERNATES PRESENT

Brandon Mosley – City of Houston  
Huey German-Wilson – Trinity-Houston Gardens  
Super Neighborhood  
Sasha Marshall – Houston Housing Authority  
Vernon Chambers – Harris County Transit  
Shawn Johnson – City of Conroe  
Antonio Salazar – Colorado Valley Transit  
Ted Ross – Gulf Coast Transit District

### OTHERS PRESENT

Travis Madison – TxDOT  
Arnold Vowles – TxDOT  
Brenda Bustillos – TxDOT  
Darla Walton – TxDOT  
Jim Archer – METRO  
Denise Wendler – METRO  
Delilah Babin – City of Houston  
Plus other unidentified listeners

### H-GAC STAFF PRESENT

Jamila Owens  
Allie Isbell  
Thomas Gray  
Alan Rodenstein  
Sandy Klanfer  
Chris Whaley  
Justin Kuzila  
Karen Owen  
Mike Burns  
Ayo Jibowu  
Donte Green  
Lucinda Martinez

### BRIEFING

#### Overview

Due to the ongoing Coronavirus (COVID-19) pandemic and the need to maintain social distance, RTCS Members and Alternates met virtually by teleconference. This meeting saw the attendance of some newly-appointed members and featured updates to a variety of planning and coordination efforts both within and outside of H-GAC, including the RCTP Action Plan, the Pearland Transit Needs and Assessment, and the ConnectSmart and REAL Plan efforts being undertaken by the Texas Department of Transportation (TxDOT). Updates regarding Regional Transit Connectivity and H-GAC's Transit-Oriented Development program were also provided to the Subcommittee.

### INTRODUCTIONS AND CERTIFICATION OF QUORUM

**ITEM 1** – Ms. Perri D'Armond, Chair, Fort Bend County Transit, convened the meeting at 9:32 AM. Roll was called by H-GAC staff and quorum was certified.

Mr. Thomas Gray welcomed new members who were appointed to the Subcommittee by the Transportation Advisory Committee at their meeting the day before and thanked them for being able to attend on such short notice. He explained that orientation for new members and election of new officers would take place at the Subcommittee's July meeting.

## **PUBLIC COMMENT**

**ITEM 2** – There were no public comments presented to the Subcommittee.

## **ACTION ITEMS**

### **ITEM 3.1 – Approval of RTC Subcommittee Meeting Minutes of February 10, 2022**

Ms. D’Armond requested a motion to approve the minutes of the January 13, 2022 Subcommittee meeting.

*Action Item Motion: moved by Vernon Chambers, seconded by Jildardo Arias. Action Item approved.*

## **INFORMATION ITEMS**

### **4.1 Coordinated Planning Items**

#### **ITEM 4.1a – Regionally Coordinated Transportation Plan (RCTP) Action Plan – Sandy Klanfer, H-GAC**

Mr. Sandy Klanfer provided an update on the Regional Coordinated Transportation Plan (RCTP). He explained that the RCTP document has been accepted by TxDOT, and focus has now turned to creating an Action Plan to guide implementation of the RCTP’s recommendations. Mr. Klanfer reviewed the results of a prioritization exercise conducted by both Subcommittee members and H-GAC staff, and discussed the next steps in creating the plan.

Vernon Chambers thanked Mr. Klanfer for his continuing work on the RCTP. She asked when the plan would be available on the H-GAC website and requested that staff send out the link to RTCS members when it is available.

#### **ITEM 4.1b – Regional Transit Connectivity Update – Sandy Klanfer, H-GAC**

Mr. Klanfer provided an update on the status of the Regional Transit Connectivity project, including the status of agency assessments being performed by METRO’s consultant and proposed changes to the project budget. These budget changes will require that the inter-agency MOU be updated and circulated for signature.

Jamila Owens added that H-GAC staff have been meeting with the Federal Highway Administration regarding the inclusion of funding for the Brazos Transit District and Colorado Valley Transit District to participate in the project. There were no additional questions or comments.

### **4.2 Partner Updates**

#### **ITEM 4.2a – TxDOT REAL Plan – Catherine McCreight, TxDOT**

Ms. Catherine McCreight of the Texas Department of Transportation presented the TxDOT Regional Express Access Lanes (REAL) Plan. The REAL Plan is a long-term vision for a multimodal transportation system, connected through mobility hubs, that will facilitate the movement of goods and people throughout the region.

Discussion followed. Perri D’Armond asked how TxDOT was considering Title IX and vulnerable communities in this plan. Ms. McCreight answered that vulnerable communities data (such as the H-GAC Livable Centers Needs Index) is used as a step in the planning process to connect services with needs. The NEPA process is also considered. Ms. D’Armond suggested that H-GAC socioeconomic modeling staff make a presentation to the Subcommittee at a future meeting about how to access vulnerable communities and other demographic data. Huey German-Wilson asked how H-GAC and TxDOT collected information from underrepresented communities.

#### **ITEM 4.2b – ConnectSmart Update – Brenda Bustillos, TxDOT**

Ms. Brenda Bustillos of the Texas Department of Transportation provided an update on the TxDOT ConnectSmart platform and mobile app, including its features and integrations. She gave the Subcommittee a demonstration of some of its features, including trip planning and transit fare purchasing.

Sharon Moses-Burnside asked how often the data used by the platform was updated, because the City of Houston had recently completed some bike lanes that had yet to show up in the app's cycling engine. Ms. Bustillos responded that updates are released once a month, on average, and that they stay in communication with entities such as the City of Houston to obtain the most recent available data.

Thomas Gray asked if the transit fare feature was valid for any agencies other than METRO. Ms. Bustillos responded that, while the app does you region-wide GTFS feeds for its transit trip planning functionality, as of right now fare purchase is only enabled for METRO.

#### **4.3 Other Efforts**

##### **ITEM 4.3a – Transit-Oriented Development Update – Justin Kuzila, H-GAC**

Mr. Justin Kuzila provided a brief update on H-GAC's Transit-Oriented Development (TOD) program, including H-GAC's definition of TOD, features currently available on the TOD webpage, and next steps. He noted that feedback regarding what aspects of TOD are important to the Houston region would be appreciated.

Sharon Moses-Burnside thanked Mr. Kuzila for the presentation and said she was enthusiastic about TOD in the Houston region. Thomas Gray suggested that the lack of a zoning ordinance in the City of Houston may make TOD easier to implement than in other cities, because less regulatory action (i.e. rezoning a piece of property for TOD) is required.

##### **ITEM 4.3b – Pearland Transit Needs Assessment Update – Alan Rodenstein, H-GAC**

Mr. Alan Rodenstein presented an update on the Pearland Transit Needs Assessment, including a public survey that is currently underway and has received an excellent response rate (the goal was for 1,000 responses, but over 2,200 have been received so far). He also discussed upcoming tasks and next steps, including a first round of public meetings in June. The project is expected to be complete by early 2023.

There were no questions or comments.

#### **AGENCY REPORTS**

**ITEM 5** – Ms. D'Armond invited subcommittee members to briefly give updates on their agency efforts.

Thomas Gray shared transit ridership trends provided by Apple Mobility indicating that post-pandemic transit usage in Houston was slowly increasing, albeit at a somewhat slower rate than New York, Los Angeles or Chicago. He reminded transit providers that he would be sending out a quarterly ridership questionnaire next week.

James Oliver noted that Island Transit is currently "in purgatory," as Galveston neither qualified as a rural area or an urbanized area (UZA) for purposes of federal formula funding. This situation is likely to persist until the US Census Bureau releases new UZA maps.

Sasha Marshall introduced herself as a new member to the Subcommittee and said that the Houston Housing Authority was ready to assist transit and social service providers in any way they could.

#### **ADJOURNMENT**

Ms. D'Armond adjourned the meeting at 11:08 AM.

**Next RTCS Meeting – July 14, 2022, 9:30 AM**

# **BYLAWS AND OPERATING PROCEDURES OF THE TRANSPORTATION ADVISORY COMMITTEE'S SUBCOMMITTEES**

**(Amended, 05/13/20)**

The following rules shall govern the procedures and composition of the Subcommittees of the Transportation Advisory Committee (TAC):

## **A. Purpose**

The purpose of the subcommittees of the TAC is to advise the TAC in its development of the Unified Planning Work Program and the Metropolitan Transportation Plan as well as promote coordination of other transportation planning activities. The subcommittees assist with the development of the Transportation Improvement Program (TIP), including the review of and recommendations on candidate projects for the TIP. In addition, subcommittees also review various current and future transportation policies, programs, and projects specific to the topics and goals of each subcommittee.

## **B. Voting Membership**

Each subcommittee shall be comprised of members of the TAC, their representatives or persons nominated to serve who have expertise or interest in transportation planning and related issues.

Membership should reflect the diversity of transportation modes and interests affected by transportation policy decisions to assure transportation planning decisions are considered in their broadest context. Meetings of TAC subcommittees shall be open to public attendance. The voting membership for each subcommittee are defined in the subcommittee descriptions.

Members shall serve at the pleasure of the appointing agency for a term of one (1) year. Membership shall be appointed or confirmed by majority vote of the TAC in attendance at a regularly scheduled meeting with a quorum of TAC members. Engineering, planning, or other consultants, who are for-profit or have financial interest in transportation projects are not eligible to serve as a member due to potential conflict of interest.

## **C. Alternate Members**

Each voting member may have a designated alternate member who may serve at any subcommittee meeting in the voting member's absence. Alternate members must be appointed in the same manner as the voting member. Appointed alternate members will have the voting rights and privileges of members when serving in the absence of the subcommittee voting member.

## **D. Ex-Officio Members**

The Transportation Advisory Committee Chair may appoint such other nonvoting ex-officio representatives as may be appropriate, subject to approval of a majority of the voting

membership. Ex-officio members may include Railroads, Rail Districts, Ports, Transit Agencies, or other agencies as appropriate that are not already included in the voting members.

**E. Officers**

Each subcommittee shall elect a Chair and Vice-Chair, each to serve for a term of one year and no more than 2 consecutive years in any single position. Elections shall be held at the first meeting of each calendar year after the appointment of the subcommittee. Preferably, the Chair and Vice-Chair will be members of the TAC. The current Chair shall bring before the subcommittee a slate of officers for consideration. In the event the Chair is unable to serve the entire term of office, the Vice Chair shall succeed to the office of Chair and the new Chair shall appoint a subcommittee member to serve as Vice Chair for the remainder of the term. This appointment shall be subject to approval by the majority of the subcommittee members present at the next called meeting.

**F. Vacancies**

Each member shall be eligible to serve during the term as long as the member occupies the position held at the time of his or her appointment to the subcommittee. In the event that a voting member becomes ineligible or unable to serve, a new member must be appointed in the same manner as the previous voting member.

**G. Quorum**

Fifty percent of the total committee voting membership shall constitute a quorum for the transaction of business at all meetings.

**H. Meetings**

Robert’s Rules of Order shall govern all meetings. Each subcommittee shall meet at least quarterly or more frequently as need arises. Notice of each meeting shall be provided to each member at least one week prior to the meeting. Opportunities for public comments shall be provided subject to the guidelines of the Transportation Advisory Committee.

**I. Minutes**

Minutes of all meetings shall be kept and recorded by H-GAC staff furnished to the Subcommittee for this purpose.

**J. Administrative Support**

H-GAC as the designated MPO, shall provide administrative support to the TAC subcommittees.

**SUBCOMMITTEES OF THE TRANSPORTATION ADVISORY COMMITTEE (TAC)**  
**DESCRIPTIONS AND MEMBERSHIP**

(Amended, 05/13/20)

**TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS (TSMO)**  
**SUBCOMMITTEE**

**Purpose**

The Transportation Systems Management and Operations Subcommittee will provide guidance on the development of Regional ITS architecture and a Regional Automated and Connected Vehicle Strategy.

**Meeting Schedule**

Meetings will be held quarterly.

**Membership**

The OTF Subcommittee membership are nominated and appointed by the TAC and are representatives of the various stakeholders involved with Intelligent Transportation Systems (ITS). This shall include technically qualified professionals; local, county and state agency engineers and planners; as well as members of the TAC knowledgeable in ITS standards. A maximum of seventeen (17) voting members shall comprise the Subcommittee.

Table 1: Membership of the TSMO Subcommittee

Category or Organization	Agency Represented	Number
Local Governments	Cities and/or Counties, and other transportation management agencies	11
Transit Agency	Transit Agencies	2
Ports	Ports	2
State Government	TxDOT (Houston & Beaumont Districts)	2
<b>Total Members</b>		<b>17</b>

**Staff Contact**

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## PEDESTRIAN-BICYCLIST SUBCOMMITTEE

### **Purpose**

The Pedestrian-Bicyclist Subcommittee's purpose is to accomplishing the following tasks: review and approve the Active Transportation Plan, guide and review the FHWA Connectivity Measures Pilot, guide the Regional Safety Campaign, guide reinvigoration of counter program, guide the creation of and review the ATP Toolbox, and develop naming conventions for sidewalk layer.

### **Meeting Schedule**

Meetings are held quarterly, or more frequently as needed.

### **Membership**

Committee members are stakeholders involved with pedestrian and bicyclist issues. This shall include advocacy, safety, user groups, local, county representatives of economic development, developers or management districts, state agencies, engineers, land use planners, community organizations, and interested citizens. A maximum of twenty-two (22) voting members shall comprise the Subcommittee, which shall include any TAC representative.

Table 2: Current Membership of the Pedestrian-Bicyclist Subcommittee

<b>Category / Organization</b>	<b>Appointing Agency</b>
Local Governments	Cities and/or Counties
Transit	Transit Authorities / Agencies
State Government	TxDOT (Houston & Beaumont Districts)
Management Districts	Management Districts
Citizen Advocates	Advocacy / Activity Groups
Non-Profit	H-GAC
<b>Total Members</b>	<b>22</b>

### **Staff Contact**

Jamila Owens

Manager

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832-681-2522

## REGIONAL TRANSPORTATION PLAN (RTP) SUBCOMMITTEE

### **Purpose**

The Regional Transportation Plan (RTP) Subcommittee's purpose is to:

The purpose of the RTP Subcommittee is to:

- Provide guidance to TAC in the development of the RTP; and sub-regional plans
- Review and revise the performance measures and targets and outcomes used to measure the ability of potential projects/activities to support the vision, goals, objectives strategies of the RTP;
- Provide recommendations to TAC on fundamental planning assumptions, data and methodologies used in development of the RTP;
- Provide guidance on the development of a Congestion Management Plan; and
- Provide guidance for major amendments to the RTP.

### **Meeting Schedule**

Meetings held quarterly or more frequently as needed.

### **Membership**

The RTP Subcommittee shall be comprised of members of the Transportation Advisory Committee (TAC) or their representatives who have expertise or interest in developing transportation and land use plans. A maximum of twenty-three (23) voting members shall comprise the Subcommittee.

Table 3: Membership of the RTP Subcommittee

Category or Organization	Appointing Agency	Number
Local Governments	Cities and/or Counties	9
State Government	TxDOT (Houston & Beaumont Districts)	2
Transit Agency	Transit Agencies	3
Environmental	TAC	1
Planning	TAC	1
Citizen	TAC	1
Business	TAC	1
Ports	TAC	2
Active Transportation	TAC	1
Toll Roads	TAC	1
Airports	TAC	1
<b>Total Members</b>		<b>23</b>

### **Staff Contact**

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## TRANSPORTATION IMPROVEMENT PROGRAM (TIP) SUBCOMMITTEE

### **Purpose**

The Transportation Improvement Program (TIP) Subcommittee's purpose is

- Provide guidance to TAC in the development of the 10-Year Plan, and the Transportation Improvement Program;
- Define strategies to link the RTP, the 10 Year Plan investment plan, and the TIP;
- Recommend strategies to create a predictable project development and delivery pipeline; and
- Provide guidance for major amendments to the 10 Year Plan/TIP.
- Review and tracking of the progress on performance measures and targets

### **Meeting Schedule**

Meetings held monthly; Additional special meetings are called, as needed to address specific task items.

### **Membership**

The TIP Subcommittee is composed of Transportation Advisory Committee members with project implementation experience who are appointed by the TAC. However, all members of the TAC, primary and alternate, may participate. A maximum of twenty-two (22) voting members shall comprise the Subcommittee.

- TIP Subcommittee members must be members of the TAC;
- Only official members of each subcommittee may vote during subcommittee meetings;

Table 4: Membership of the TIP Subcommittee

Category or Organization	Agency Represented	Number
Local Governments	Cities or Counties	13
State Government	TxDOT (Houston & Beaumont Districts)	2
Transit Interests	Transit Agency	3
Ports	TAC	2
Active Transportation	TAC	1
Planning	TAC	1
<b>Total Members</b>		<b>22</b>

### **Staff Contact**

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## **TRANSPORTATION AIR QUALITY SUBCOMMITTEE**

### **Purpose**

The Transportation Air Quality Subcommittee's purpose is to assist H-GAC staff in the:

- Identification and analysis of the most cost-effective on-road transportation emission reduction measures;
- Development of a list of committed Transportation Control Measures to be implemented by the deadline outlined in updated NAAQS for the next SIP;
- Development of a list of new or expanded on-road transportation VMEPs that must be accomplished in a strictly voluntary manner;
- Expansion of existing TDM programs and projects and the development of new programs for TIP consideration;
- Monitor implementation of those TDM projects or programs that are consistent with and meet or exceed the Clean Vehicle and Commute Solutions Cost-Benefit Analysis.
- Provide guidance to programs funded through CMAQ funds such as Clean Vehicles program.

### **Meeting Schedule**

Meetings will be held quarterly or until SIP revisions are complete and approved by EPA.

### **Membership**

The Transportation Air Quality Subcommittee will be comprised of representatives of the Regional Air Quality Planning Committee (RAQPC), local government, transit providers, private sector, and environmental, public interest or TDM professionals.

Table 5: Membership of the Transportation Air Quality Subcommittee

Category or Organization	Appointing Agency	Number
Local Governments	Cities and/or Counties	5
State Government	TxDOT (Houston & Beaumont Districts)	2
TCEQ	TCEQ	1
Transit Agency	Transit Agencies	2
Environmental/Public Interests/TDM Professionals	H-GAC	3
Private	TAC	3
H-GAC	TAC	2
Ports	TAC	1
<b>Total Members</b>		<b>19</b>

### **Staff Contact**

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## REGIONAL TRANSIT COORDINATION SUBCOMMITTEE (RTCS)

### Purpose

The Regional Transit Coordination Subcommittee's purpose is to:

- Provide guidance related to the implementation of regional transit coordination pilot projects that were identified in the regional transit coordination action plan;
- Assist with tasks related to the development of regional transit planning initiatives that focus on identifying opportunities for expanding transit services in the region for all, as well as improving the efficiency and effectiveness of the current regional transit system;
- Promote regional coordination among existing and future public and private transportation providers, social service and health and human service agencies.

### Meeting Schedule

Meetings quarterly or more frequently as needed.

### Membership

The RTCS subcommittee membership will include appointees from the TAC for each of the implementing transit agencies in the region and representatives of social service agencies as well as other transit professionals. State government (TxDOT Houston, Beaumont, Yoakum, and Bryan Districts) shall serve as Ex-Officio members. A maximum of eighteen (18) voting members shall comprise the Subcommittee.

Table 6: Membership of the RTCS Subcommittee

Category or Organization	Appointing Agency	Number
Transit	Transit Agencies	9
Local Governments	Cities and/or Counties	3
Social Services/HHS Agencies	TAC and/or H-GAC	4
Citizen and Business Interests	TAC	2
<b>Total Members</b>		<b>18</b>

### Staff Contact

Thomas Gray

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# Regional Transit Coordination Subcommittee Orientation

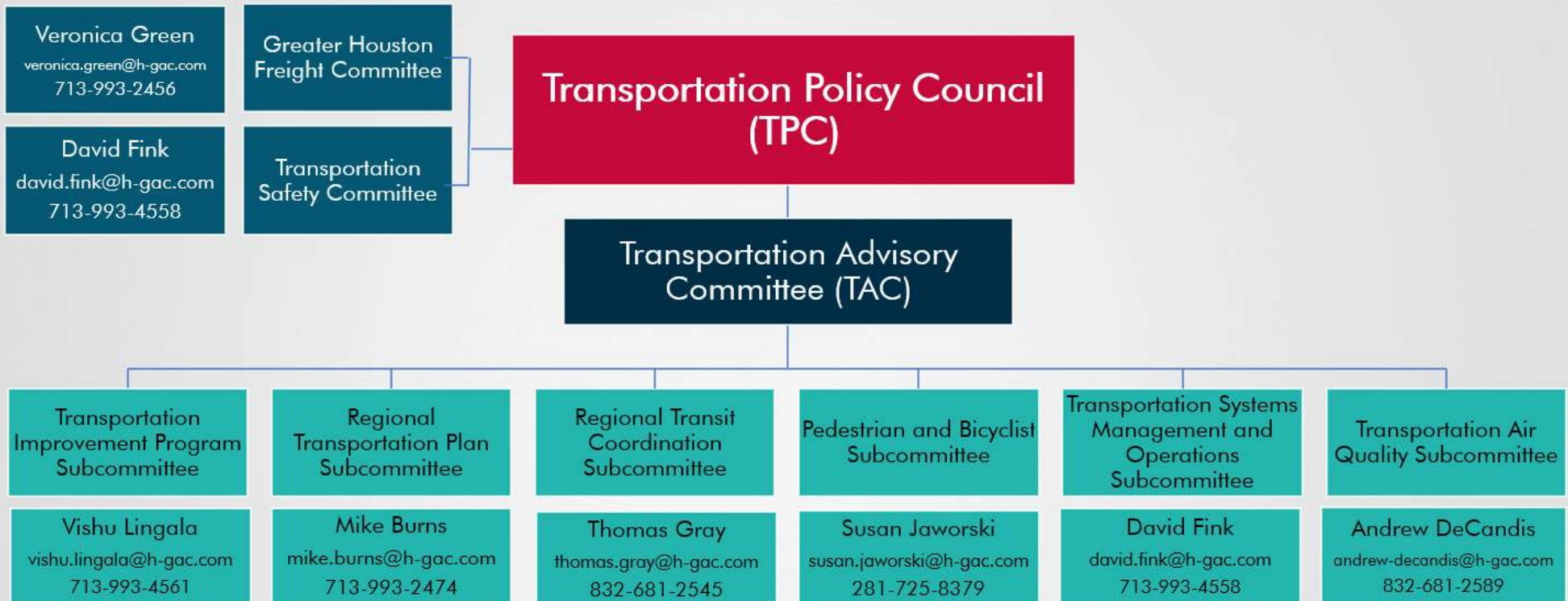


July 14, 2022

Regional Collaboration • Transportation Planning • Multimodal Mobility



# TPC, TAC and the Subcommittees



# Transit Subcommittee Purpose



- Provide guidance related to the implementation of regional transit coordination pilot projects that were identified in the regional transit coordination action plan;
- Assist with tasks related to the development of regional transit planning initiatives that focus on identifying opportunities for expanding transit services in the region for all, as well as improving the efficiency and effectiveness of the current regional transit system;
- Promote regional coordination among existing and future public and private transportation providers, social service and health and human service agencies.



# Subcommittee Bylaws Highlights



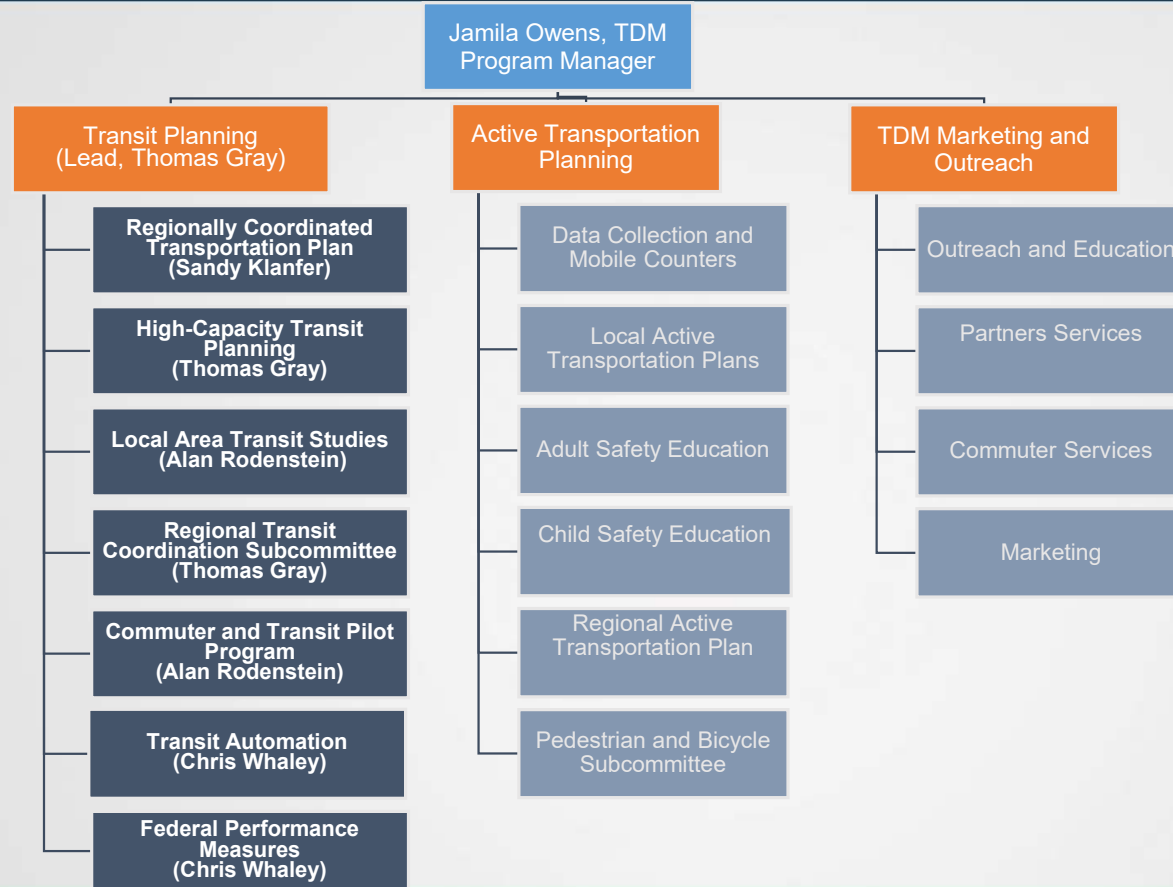
- Maximum 18 members (9 transit, 3 Local Governments, 4 Social Services, 2 Citizen and Business Interests)
- Members and Alternate Members - One year term
- Officers – One year term
- Officers - May serve up to two years
- Vacancies must be filled by TAC
- 50% is a quorum

# Subcommittee Workgroups

- Mobility Management
- Paratransit/NEMT
- Regional Transit Connectivity



# Travel Demand Management Program



# Transit Planning



- Federal Performance Measures
- Sub-regional Transit Studies
  - Woodlands (2015)
  - Pearland (Now)
- High-Capacity Transit
- Regionally Coordinated Transportation Plan
  - Mobility Links
  - Regional Transit Connectivity/Fare

## Mobility Links

### Find a Transportation Service Provider

Search for transportation service providers in the Houston-Galveston region by using any of the following search criteria.

#### County Service Area

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Austin County    | <input type="checkbox"/> Galveston County  | <input type="checkbox"/> Walker County  |
| <input type="checkbox"/> Brazoria County  | <input type="checkbox"/> Harris County     | <input type="checkbox"/> Waller County  |
| <input type="checkbox"/> Chambers County  | <input type="checkbox"/> Liberty County    | <input type="checkbox"/> Wharton County |
| <input type="checkbox"/> Colorado County  | <input type="checkbox"/> Matagorda County  |   |
| <input type="checkbox"/> Fort Bend County | <input type="checkbox"/> Montgomery County |   |

#### Service Type

- All Trip Purposes
- Non-Emergency Medical Trips
- Shopping/Recreational/Other Trips

#### Passenger Type

- General Public
- Disabled/Elderly
- Other (Veteran, Youth)

#### Organization Name

Search

Reset

# Transit Implementation



## ■ **Commuter and Transit Pilot Program**

- Commuter or First Mile/Last Mile Solutions
- Conroe Park and Ride (2019)
- Woodlands to Energy Corridor (2022)
- Fort Bend to Downtown (September 2022)
- Open Request for Applications through August 2022

## ■ **Federal Formula Grant Funding**

- 5307 (Urbanized Area)
- 5310 (Seniors and Individuals with Disabilities)

# Transit Outreach - Commute Solutions



## ■ Support for Transit:

- TDM and Telework Plans for Employers and Property Managers
- Regional Marketing and Education Campaigns
  - Avoid the Jam
  - Woodlands to ECD
- Ozone Action
- Emergency Ride Home Expansion



[www.yourcommutesolution.org](http://www.yourcommutesolution.org)

# Additional Areas of Interest



- Congestion Management Process
- Sub-regional Studies (Mobility and Thoroughfare Plans)
- Development of the Regional Transportation Plan
- Transportation Improvement Program Call for Projects
- Safety Measures
- Air Quality Impacts
- Ped Bike Planning

# Contact Information



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# Interactive Regional Planning tools

## Houston-Galveston Area Council


**Pramod Sambidi, PhD**  
Houston-Galveston Area Council  
Regional Transit Coordination Subcommittee July 14, 2022

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1

# Data Analytics and Research Department



- Data Creation/Development
- Data Visualization
- Modeling
  - Socioeconomic
  - Traffic
  - Air Quality
  - Water Quality
- Information Services

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2

# Data Visualization

- Tools- ArcGIS Online and Tableau
- Performed in-house
- Audience- Staff, Local governments, consultants/contractors, educational institutes, private businesses and public.
- Platform- easy to use interactive web mapping tools, dashboards, story maps posted on web with free access



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3

# Interactive Web Mapping Applications for Regional Planning

The screenshot shows the H-GAC website's 'Interactive Web Applications' page. The header includes the H-GAC logo and 'Houston-Galveston Area Council'. A search bar is present. The main content area is titled 'Interactive Web Applications' and includes a disclaimer, a grid of application categories (Show All, Employment, Transportation, Environment, Water Quality, Planning, Census, Topics, Growth Forecast, Land Use, External Apps), and a 'List of Applications' section. The 'List of Applications' section features three application cards: '2022 Future of Work Survey', 'How's the Water? 2022 Basin Highlights Report', and 'Regional Origin-Destination (OD) Dashboard'. The right sidebar contains contact information, social media links, and a list of past interactive planning tools seminars. A QR code is located on the right side of the page, and the URL [www.h-gac.com/go/apps](http://www.h-gac.com/go/apps) and <https://datalab.h-gac.com/> are provided below it.

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# Regional Equity Tool- Overview

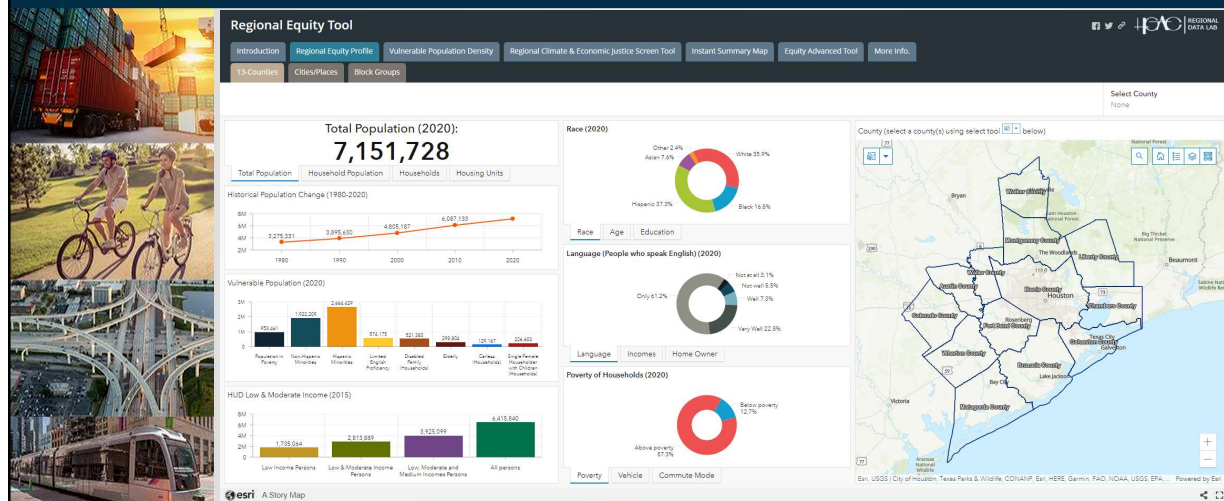
- **Regional Equity Profiles**
  - County, City, and User defined geography
- **Instant Summary Maps**
  - Printing Maps
- **Equity Advanced Tool**
  - Overlaying Datasets
  - Drawing Project Area and Summarizing Data
  - Downloading Data
  - Querying data based on demographic characteristics
  - Creating Shapefile
  - Adding External Datasets
  - User Guide



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# Regional Equity Tool- Equity Profiles



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# Regional Equity Tool- Neighborhood Equity Profiles

**Regional Equity Tool**

Introduction | **Regional Equity Profile** | Vulnerable Population Density | Regional Climate & Economic Justice Screen Tool | Instant Summary Map | Equity Advanced Tool | More info

13-Counties | Cities/Places | Block Groups

**Total Population (2020): 186,985**

Total Population | Household Population | Households | Housing Units

Historical Population Change (1990-2020)

Year	Population
1990	110,000
1995	130,000
2000	138,000
2010	158,000
2020	186,985

Vulnerable Population (2020)

Category	Count
Population in Poverty	24,071
Homeless Population	9,121
People with Disabilities	28,000
Other Elderly Population	12,000
Black Elderly Population	3,000
Seniors	2,000
Other Homeless Population	7,888

HUD Low & Moderate Income (2015)

Category	Count
Weighted Low & Moderate Income Persons	2,814,165
Weighted All Persons	8,416,020

**Race (2020)**

- Other: 1.5%
- Asian: 0.5%
- White: 14.1%
- Black: 8.5%
- Hispanic: 6%

**Language (People who speak English) (2020)**

- Only: 42.1%
- Not at all: 4.2%
- Native: 10.5%
- Well: 8.9%
- Very Well: 23.1%

**Poverty of Households (2020)**

- Below poverty: 8.5%
- At or above poverty: 91.5%

**Poverty** | Vehicle | Commute Mode

Census Blockgroup (select a blockgroup) using select tool (below)

Map showing Census Tract 4807110500 (Chambers County) with various layers and filters.

Esri | A Story Map

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# Regional Equity Tool- Climate and Economic Justice Screening Tool

**Regional Equity Tool**

Introduction | Regional Equity Profile | Vulnerable Population Density | **Regional Climate & Economic Justice Screen Tool** | Instant Summary Map | Equity Advanced Tool | More info

13-Counties | Cities/Places | Block Groups

**About Climate and Economic Justice Screening Tool**

White House Council on Environmental Quality (CEQ) released a beta version of the Climate and Economic Justice Screening Tool (CEJST). This tool is a critical component of the President's environmental justice commitments in Executive Order 14008, including the Justice40 Initiative, a commitment to deliver 40 percent of the overall benefits of Federal climate, clean energy, affordable and sustainable housing, clean water, and other investments to disadvantaged communities that are marginalized, underserved, and overburdened by pollution.

The beta version of the tool, on which the public is being asked to provide feedback over the coming 60 days, will help agencies identify disadvantaged communities that are marginalized, underserved, and overburdened by pollution.

H-GAC processed this dataset to create interactive dashboard to identify communities identified as disadvantaged in the 13-County H-GAC region. Learn more about the methodology and datasets that were used to identify disadvantaged communities in the current version of the tool on the Methodology & data page.

- White House's Press Release, 2/18/2022
- Executive Order 14008, 2/27/2021
- Request for Information in the Federal Register, 2/23/2022

**Detailed Community Information**

Census Tract: 4807110500  
County Name: Chambers County

Overall  
Identified as Disadvantaged community? Yes  
Total threshold criteria exceeded: 4  
Total Population: 3,718  
Is low income and has a low percent of higher-ed students? Yes

Climate Change  
Expected agriculture loss rate (percentile): Yes (94)  
Expected building loss rate (percentile): Yes (99)  
Expected population loss rate (percentile): Yes (97)

Clean Energy & Energy Efficiency  
Energy burden (percentile): No (70)  
FUEC 3 in the air (percentile): No (45)

Clean Transportation  
Diesel particulate matter exposure (percentile): No (21)  
Traffic proximity and volume (percentile): No (1)

Sustainable Housing  
Housing cost burden (percentile): No (63)  
Lead paint (percentile): No (44)  
Median Housing Value (percentile): 8

Legacy Pollution  
Proximity to hazardous waste facilities (percentile): No (8)  
Proximity to NPDES (Superfund) sites (percentile): No (43)  
Proximity to RMP (Risk Management Plan) facilities (percentile): No (9)

Clean Water & Waste Infrastructure  
Wastewater discharge (percentile): No (56)

Health Burdens  
Asthma (percentile): No (55)  
Diabetes (percentile): No (88)  
Heart Disease (percentile): No (87)  
Low life expectancy (percentile): No (15)

Workforce Development  
Linguistic isolation (percentile): Yes (95)  
Low median income (percentile): No (85)  
Unemployment (percentile): No (73)

Please check out Layer List and explore more layers in Climate & Economic Justice Screen Tool

Map showing the location of the census tract in Chambers County, Georgia, with various layers and filters.

Esri | HERS, Census, FAO, USGS, EPA, NPS | Powered by Esri

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# Regional Equity Tool- Advanced Tool

**Regional Equity Tool**

Introduction | Regional Equity Profile | Instant Summary Map | **Equity Advanced Tool** | More Info

Regional Equity Tool | Regional Data Lab | Find address or place

**Layer List**

- Operational Layers
  - H-GAC PIAA Honorable Mention Awards
  - H-GAC PIAA Special Recognition Awards
  - H-GAC PIAA Winner Awards
  - Historic Preservation
  - Parks
  - Regional Facilities
  - H-GAC 2045 RTP
  - METRO Moving Forward Projects
  - Livable Centers
  - H-GAC Accessibility Score
  - Crashes (2015-2019)
  - Regional Public Transits
  - H-GAC Sidewalk Inventory (2018)
  - FEMA National Flood Hazard Layer
  - Brazoria Co. Floodplain (2017 Preliminary)

**Legend**

- H-GAC 2045 RTP
  - Interchange/ Intersections/ Area Projects
  - Under Construction
  - Funded Projects
  - Planned Projects
  - Other
- Roadway Projects
  - Under Construction
  - Funded Projects
  - Planned Projects
- Vulnerable Population (2019)
  - Block Group Vulnerability Index (0-100)
  - > 80 - 100
  - > 60 - 80
  - > 40 - 60
  - > 20 - 40
  - 0 - 20

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# Regional Equity Tool- Advanced Tool

**Regional Equity Tool**

Introduction | Regional Equity Profile | **Vulnerable Population Density** | Regional Climate & Economic Justice Screen Tool | Instant Summary Map | Equity Advanced Tool | More Info

Regional Equity Tool | Regional Data Lab | Find address or place

Location	Demographics (2020)	Vulnerable Population (2020)	Low-Moderate Income Area (2015)	LC Need Index (2020)	Accessibility Score	Non-Hispanic Minorities	Hispanic Minorities	Limited English Proficiency	Crash
Weighted Vulnerable Population Index (0-100)	71.3	73,690	Household Population: 72,206	Households: 23,718	Population in Poverty: 19,616	39,589	30,794	7,641	9,

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# Contact and links



Regional Equity Tool-

<https://datalab.h-gac.com/equity/>

H-GAC Interactive Tools Page- <https://datalab.h-gac.com>

E-mail- [DAR\\_GIS@h-gac.com](mailto:DAR_GIS@h-gac.com)

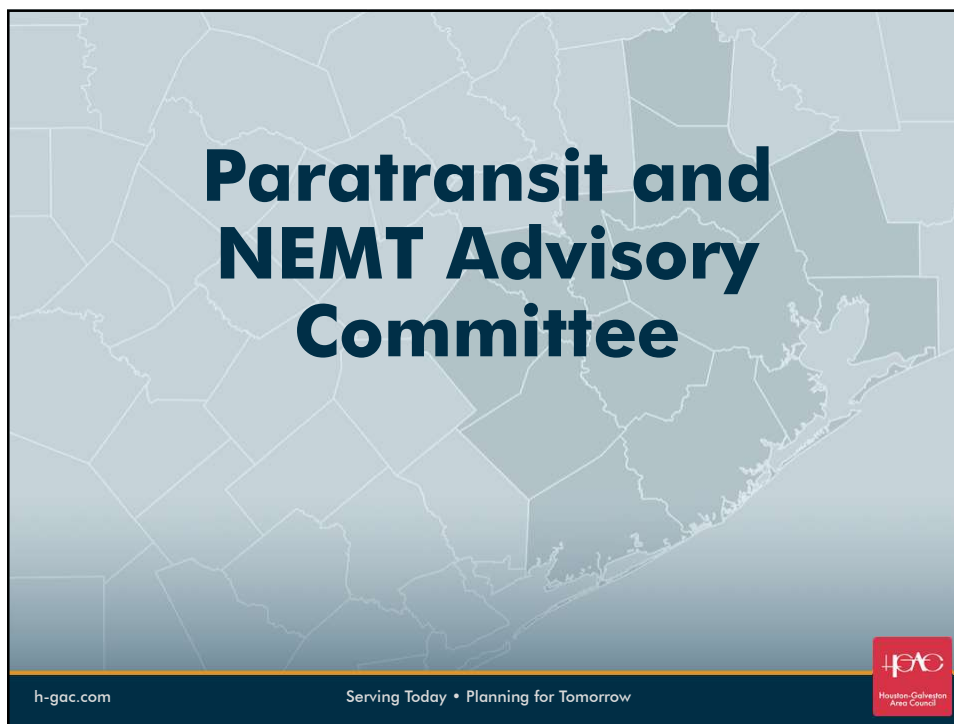


**Pramod Sambidi, PhD**

*Senior Manager, Data Analytics and Research*  
*Houston-Galveston Area Council*  
[psambidi@h-gac.com](mailto:psambidi@h-gac.com)


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# Paratransit and NEMT Advisory Committee

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1

## Background

- The creation of a paratransit and non-emergency medical transportation advisory committee was recommended in the 2022 Regionally Coordinated Transportation Plan
- Funding to implement this recommendation has been provided by TxDOT through a coordinated planning implementation grant

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2

## Purpose

- RCTP identified many barriers for users of paratransit and NEMT services:
  - Service is not reliably on-time
  - Difficulties crossing jurisdictional boundaries
  - Safety concerns related to waiting for and accessing vehicles
- These make it difficult for users of these services to access health care, employment, education, and basic services

3

## Purpose

- Committee will bring together paratransit users, providers and other stakeholders:
  - Ensure H-GAC has a complete picture of the resources available in the region
  - Develop a thorough understanding of the issues related to paratransit and NEMT services
  - Identify potential solutions that meet the needs of all involved

4



## First Meeting

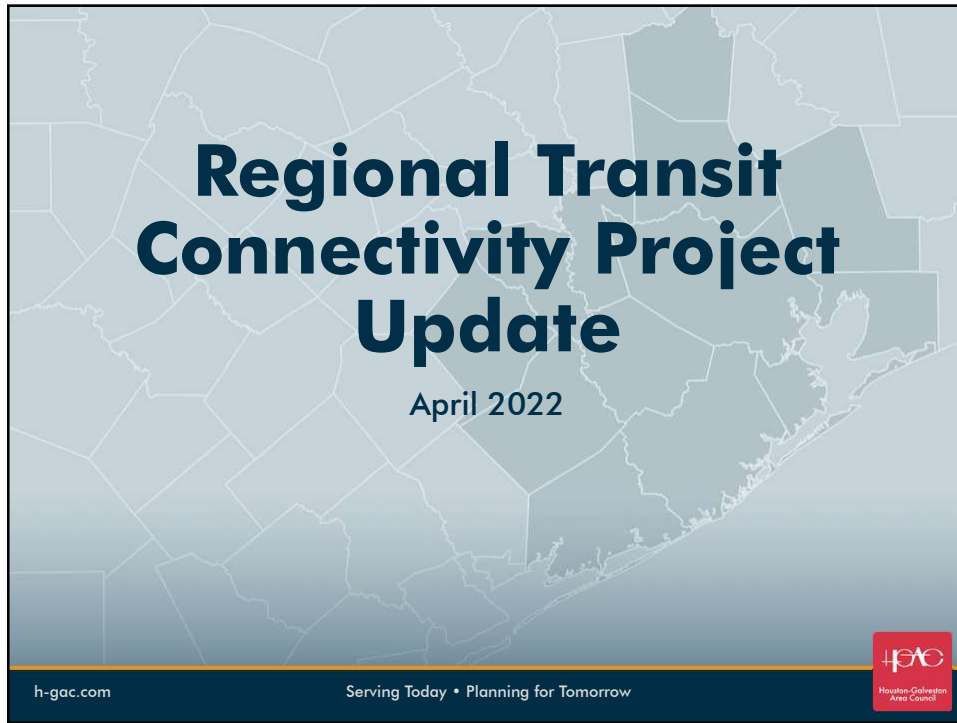
- First meeting took place on July 7
- The meeting served as an introduction to the group
  - Agreed upon group vision, goals, and ground rules
  - Began the conversations about concerns with paratransit/NEMT services
  - Many comments pointed to funding as a key barrier to better service
- Future meetings will be held quarterly, with proceedings reported to RTCS

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## Membership

- Members include paratransit and NEMT users, providers, and other key stakeholders
- Member recruitment is still ongoing: if you would like to nominate someone to serve on this committee, please email [Sanford.Klanfer@h-gac.com](mailto:Sanford.Klanfer@h-gac.com)


6



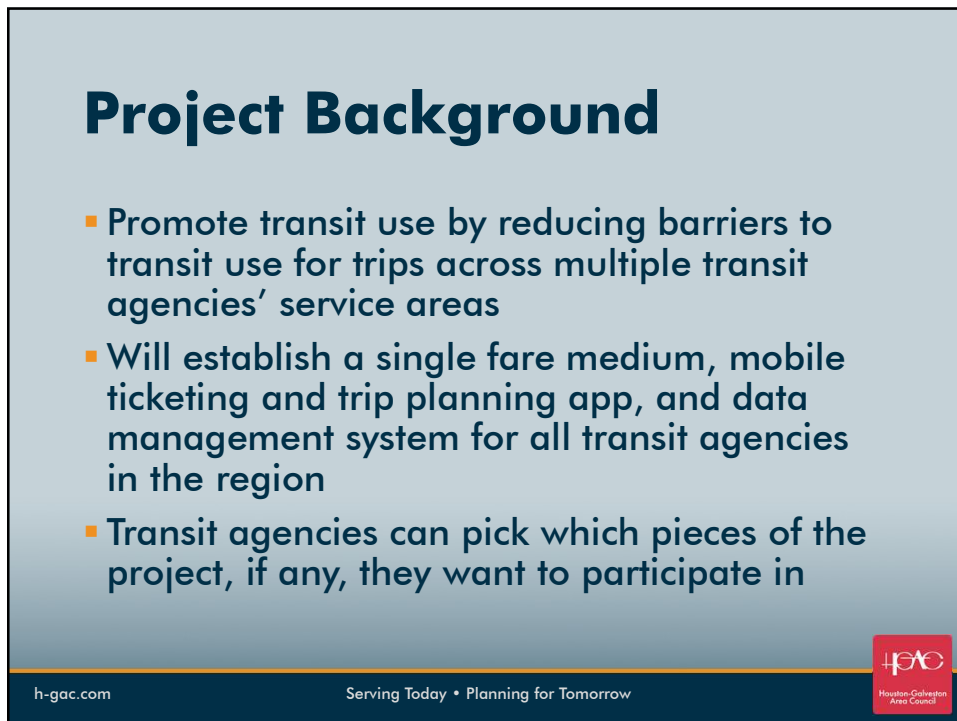
**Regional Transit  
Connectivity Project  
Update**

April 2022

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7



**Project Background**

- Promote transit use by reducing barriers to transit use for trips across multiple transit agencies' service areas
- Will establish a single fare medium, mobile ticketing and trip planning app, and data management system for all transit agencies in the region
- Transit agencies can pick which pieces of the project, if any, they want to participate in

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## Project Background

- METRO leads the project, with H-GAC providing funding, oversight, and regional coordination
- Project to date has been governed by a 2021 MOU signed by H-GAC, METRO, and the region's transit agencies
- \$20 Million has been allocated to the project in H-GAC's 10-year plan, of which \$7.344 million in CMAQ funds have been transferred to METRO to date

## Regional Partner Assessments

- Each agency is undergoing an initial assessment to determine their capacity and need for each piece of the project
- Assessments are underway, expected to be completed later this summer
- Following the conclusion of the assessment, each agency will decide which aspects of the project, if any, they choose to participate in

## Inter-Local Agreement (ILA)

- Each agency gets a separate ILA with Metro based on how they choose to participate in the project
- Each ILA will be unique, but based on a common template
  - Template has been developed by H-GAC and Metro and shared with partner agencies
- ILAs will be signed after completion of initial assessments

## FHWA Guidance

- FHWA guidance was required to understand how H-GAC funds can support participation in this project by transit agencies that serve both areas within the eight-county region and areas outside it
- FHWA will allow us to use funds for those in proportion to their presence in the region, but will allow us to propose how to determine proportionality

## FHWA Guidance

- Currently analyzing different methods to determine proportionality.
  - Transit-based measures of limited use, as relevant agencies offer little or no fixed-route service within the MPO region
  - Best measure found to date is proportion of population within the agency's service area that is also within the MPO region
- Note that this does not affect agencies that operate entirely within H-GAC's MPO region

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## FHWA Guidance

- This guidance is based on the idea that all project costs can be divided up by agency
- However, some costs are envisioned to be regional in scope, benefiting the entire region with minimal variation in price based on the number of participating agencies
  - Examples include the data management system and the mobile ticketing app
- Will need to seek further clarification on this from FHWA

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## Project Next Steps

- Complete initial assessments: each agency will receive a copy of the final report when it is available
- H-GAC will continue working with FHWA
- Upon completion of initial assessments, agencies will determine which aspects of the project they wish to participate in:
  - Will finalize and sign ILAs with METRO
  - Implementation will begin after ILAs are signed

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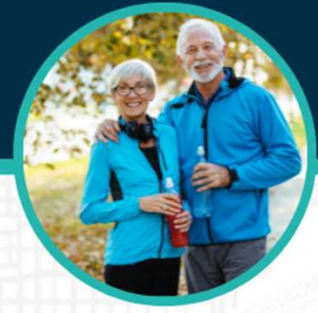
## Questions?

Sandy Klanfer  
Sanford.Klanfer@h-gac.com

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# 2045 RTP Update Survey

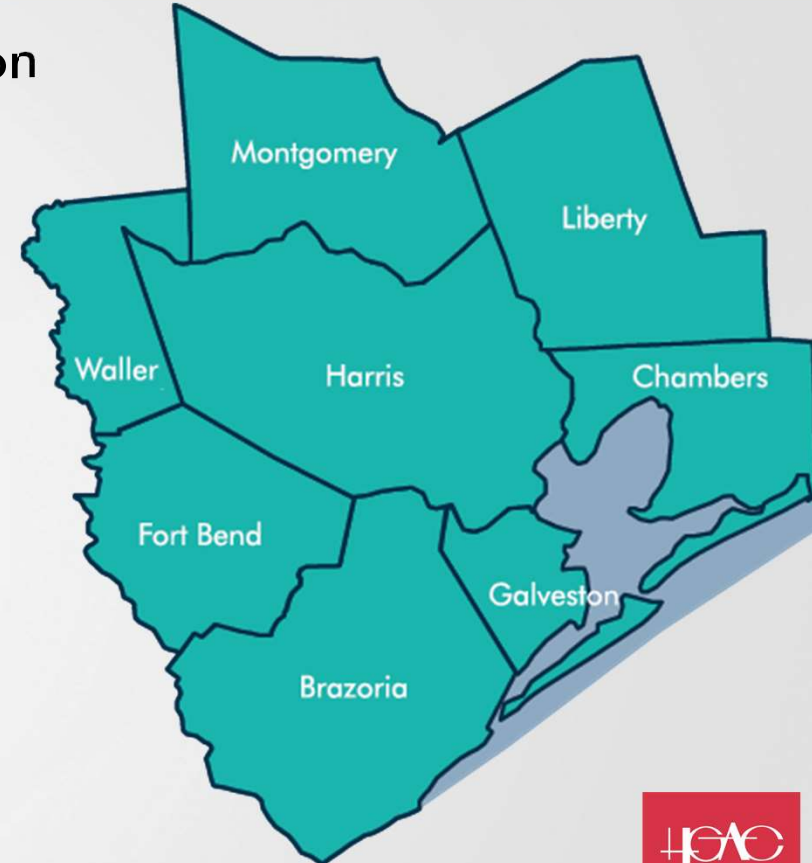
Help Us Forge a Bold New Vision  
of Transportation in the Region



[h-gac.com/rtp](https://h-gac.com/rtp)

# What is the Regional Transportation Plan (RTP)

- Establishes the Transportation Future for our Region
- Minimum 20-year outlook
- Updated every four years
- Aligns with Federal, State, and Local vision
- Evaluate Performance Measures and Targets
- Assessment of Needs and Priorities
- Financially constrained Action Plan
- Required to receive Federal funding





# Schedule



**July 2021-July 2022**

Visioning & Needs Assessment Phase



**August - December 2022**

Prioritization Phase



**January 2023 - April 2023**

Plan Review Public Meetings

**2021**

**2022**

**2023**

Public Meetings & Visioning Survey



**May 2022**



Public Meetings



**October 2022**



Finalize RTP



**April 2023**

# 2045 Regional Transportation Plan Update



Because life is better when we all work and thrive together!

## Public Engagement Strategy

# 2045 RTP Update Public Meetings

**Fort Bend County:** Thursday, May 5 – Sugar Land City Hall

**Brazoria County:** Tuesday, May 10 – Pearland City Hall

**Liberty County:** Thursday, May 12 – Liberty City Hall

**Galveston County:** Tuesday, May 17 – Historic Galveston Water & Electric Light Community Center

**Waller County:** Thursday, May 19 – City of Hempstead Recreation Room

**Montgomery County:** Tuesday, May 24 – Shenandoah City Hall

**Harris County:** Thursday, May 26 – Houston-Galveston Area Council Office

**Chambers County:** Tuesday, May 31 – Eagle Pointe Recreation Center

**Virtual Meeting:** Thursday June 2 – Online

- Vision Survey
- Commenting Map
- Transportation 101
- Share Ideas
- Ask Questions

The screenshot shows the website's header with the Houston-Galveston Area Council logo and navigation links. Below the header is a banner with the slogan "Because life is better when we all work and thrive together!" and a row of circular images depicting various transportation modes and people. The main content area features a section for the "2045 Regional Transportation Plan Update" with a map of the region and a "Visioning Survey" section. The right sidebar contains "Documents", "Shortcuts", "RTP Updating Schedule", and "Who's Listening" sections.

Select Language

Home  Q Search mike.burns

Home - 2045 Regional Transportation Plan Update

### 2045 Regional Transportation Plan Update

The 2045 Regional Transportation Plan (RTP) Update for the Houston-Galveston area will build on previous planning efforts to set investment priorities for the multimodal transportation system that connects people to places where they live, work, play, and efficiently moves goods from, to, and through the region.

Updated every four years in coordination with the state, transit providers, local public agencies, freight interests, public and private community organizations, the RTP will:

- Assess demographic trends and transportation demand
- Forecast future demand for regional mobility
- Estimate available funding
- Track progress towards system performance targets

Help us connect the dots and make getting around the region safer and better for generations to come.

Montgomery  
Liberty  
Waller  
Harris  
Chambers  
Fort Bend  
Galveston  
Brazoria

Visioning Survey Introduction Video Comment Map Transportation 101 Ideas More

#### Visioning Survey

**HELP US FORGE A NEW TRANSPORTATION VISION**

The world is changing. How we work. How we commute. How we buy and trade goods. And how we visit with friends and family.

Our region is evolving. How we approach transportation planning must evolve too.

We need a new vision that prioritizes safety, convenience, accessibility, and sustainability. A vision that drives opportunity wherever we live and however we move. A vision where every part of our community is connected and thriving now and in the future.

We need your involvement to bring this vision to life.

Take our digital survey & help us connect the dots to make getting around the region safer and better for generations to come!

Because life is better when we all work and thrive together!

Visit [engage.h-gac.com/2045rtpupdate](https://engage.h-gac.com/2045rtpupdate)

Survey starts Finish

Documents

- 2045 RTP

Shortcuts

- 2045 RTP Documents

RTP Updating Schedule

- July 2021 to June 2022 - Visioning and Needs Assessment Phase  
Develop vision, strategies, and goals through public survey and outreach.
- May 2022 - Visioning Phase Public Meetings
- July to December 2022 - Prioritization and Scenario Planning Phase  
Link between vision and project selection.
- October 2022 - Prioritization Phase Public Meetings
- January to April 2023 - Plan Review Phase  
Communicate content and outcome through public review prior to Transportation Policy Council approval.
- February 2023 - Plan Review Public Meetings
- April 2023 - Approval  
Follow public outreach and review, the draft 2045 RTP Update will be presented to the Transportation Policy Council for approval.
- April to August 2023 - Air Quality Conformity Review  
Confirmation that the regional emissions resulting from implementation of projects prioritized through the horizon year of 2045 will result in regional air quality conditions that are within forecasted budgets.

Who's Listening

Mike Burns  
Principle Planner  
H.GAC

Email [mike.burns@h-gac.com](mailto:mike.burns@h-gac.com)

# Visioning Survey: [h-gac.com/rtp](https://h-gac.com/rtp)

Visioning Survey

Comment Map

Transportation 101

Introduction Video

Ideas

More ▾

## Visioning Survey

### HELP US FORGE A NEW TRANSPORTATION VISION

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Because life is better when we all work and thrive together!



Visit [engage.h-gac.com/2045rtpupdate](https://engage.h-gac.com/2045rtpupdate)


Survey starts

Finish







- How do you get around?
- What do you like / not like?
- What are your tradeoffs?
- What influences your choices?

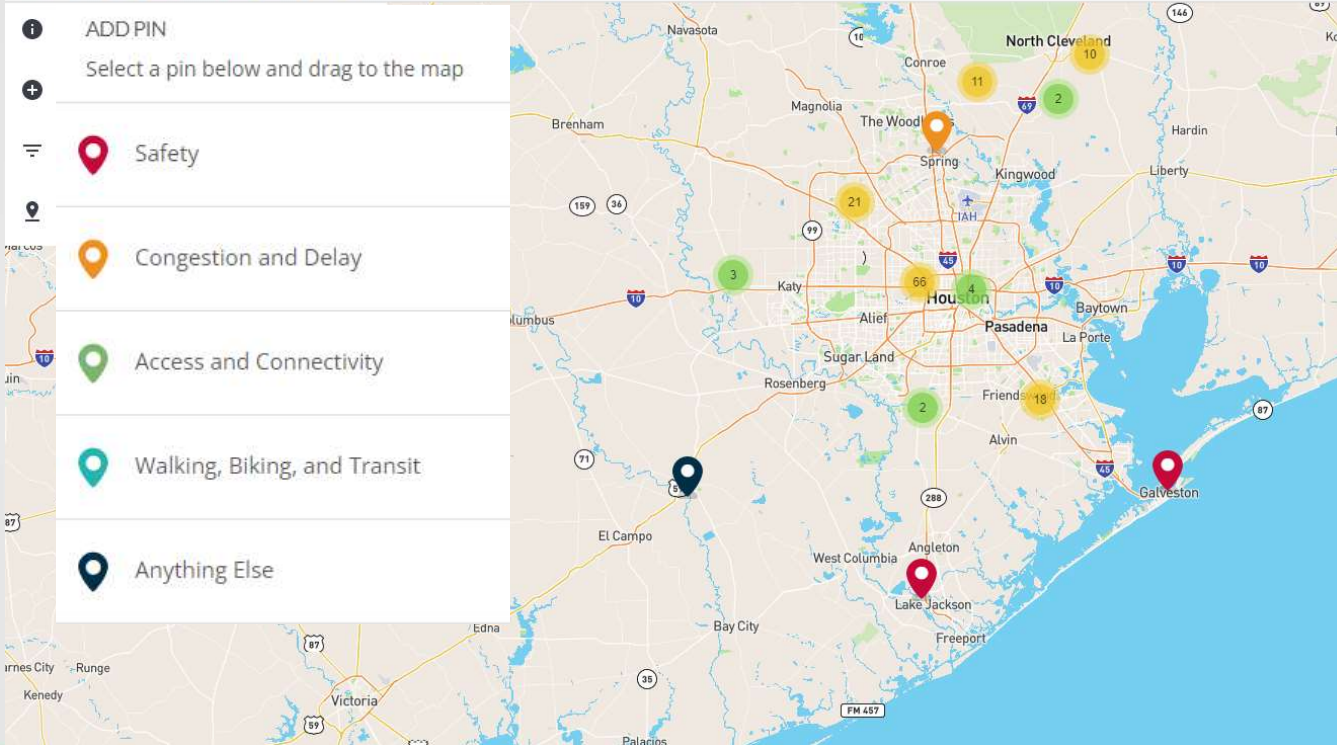
# Comment Map: [h-gac.com/rtp](http://h-gac.com/rtp)

Select Language

 **Houston-Galveston Area Council**

Home » 2045 Regional Transportation Plan Update » Where are your areas of concern? Map it!

-  **ADD PIN**  
Select a pin below and drag to the map
-  **Safety**
-  **Congestion and Delay**
-  **Access and Connectivity**
-  **Walking, Biking, and Transit**
-  **Anything Else**



# Transportation 101: [h-gac.com/rtp](http://h-gac.com/rtp)



Collection

## 2045 RTP Update Visioning Outreach

2045 Regional Transportation Planning

Get started



4 Commute Flows



5 Performance Measures



6 Texas Congestion Index



7 Freight Network NHS



8 Ports and Waterways



9 Active Transportation Viewer



- Interactive Maps
- Demographics
- Asset Conditions

# Questions?

## Help Us Forge a Bold New Vision of Transportation in the Region



[h-gac.com/rtp](https://h-gac.com/rtp)