



Item 6: Safety Performance Measures and Five-Year Averages



Stephen Keen
Transportation Advisory Committee
January 17, 2024

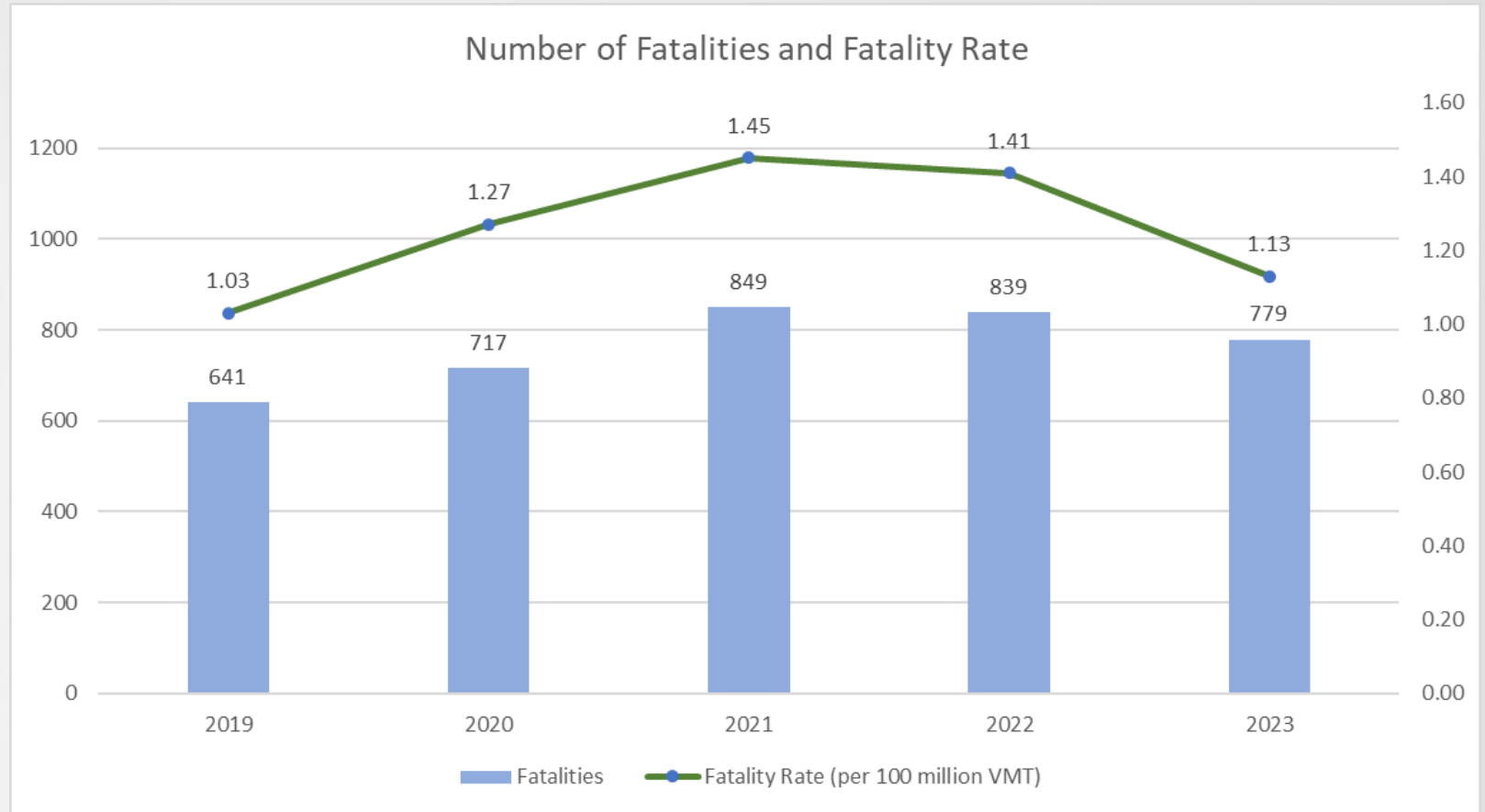
Background



- The Houston-Galveston Area Council and Texas Department of Transportation are required to annually submit safety performance measures to the Federal Highway Administration.
 - The MPO supports the State's Safety Performance Measures.
- The five safety performance measures are listed below:
 - Number of Fatalities
 - Rate of Fatalities (per 100 million vehicle miles traveled)
 - Number of Serious Injuries
 - Rate of Serious Injuries (per 100 million vehicle miles traveled)
 - Number of non-motorized fatalities and serious injuries (pedestrians and bicyclists)

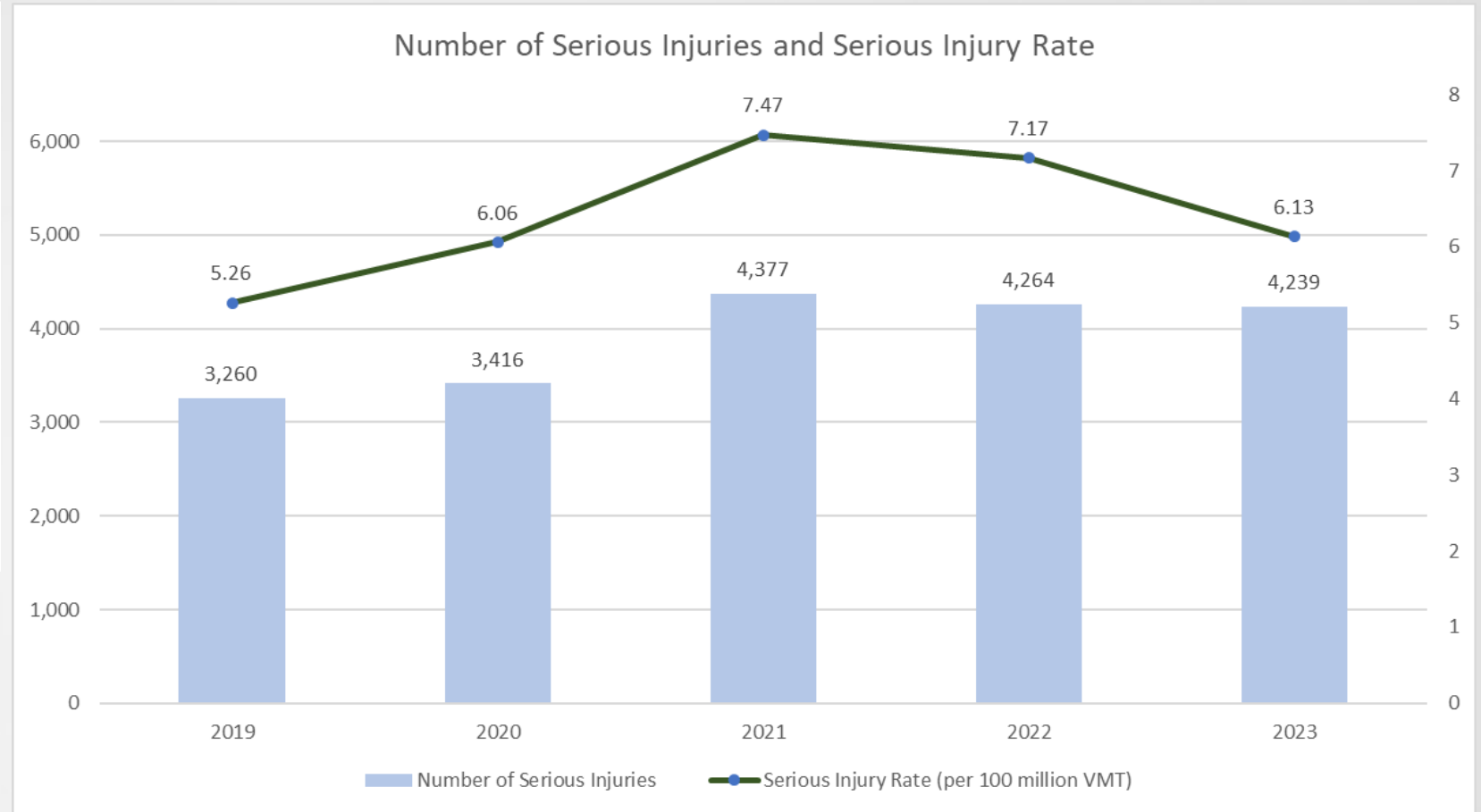
Fatalities

Year	Number	Rate
2019	641	1.03
2020	717	1.27
2021	849	1.45
2022	839	1.41
2023	779	1.13
5 Year Average	765	1.25



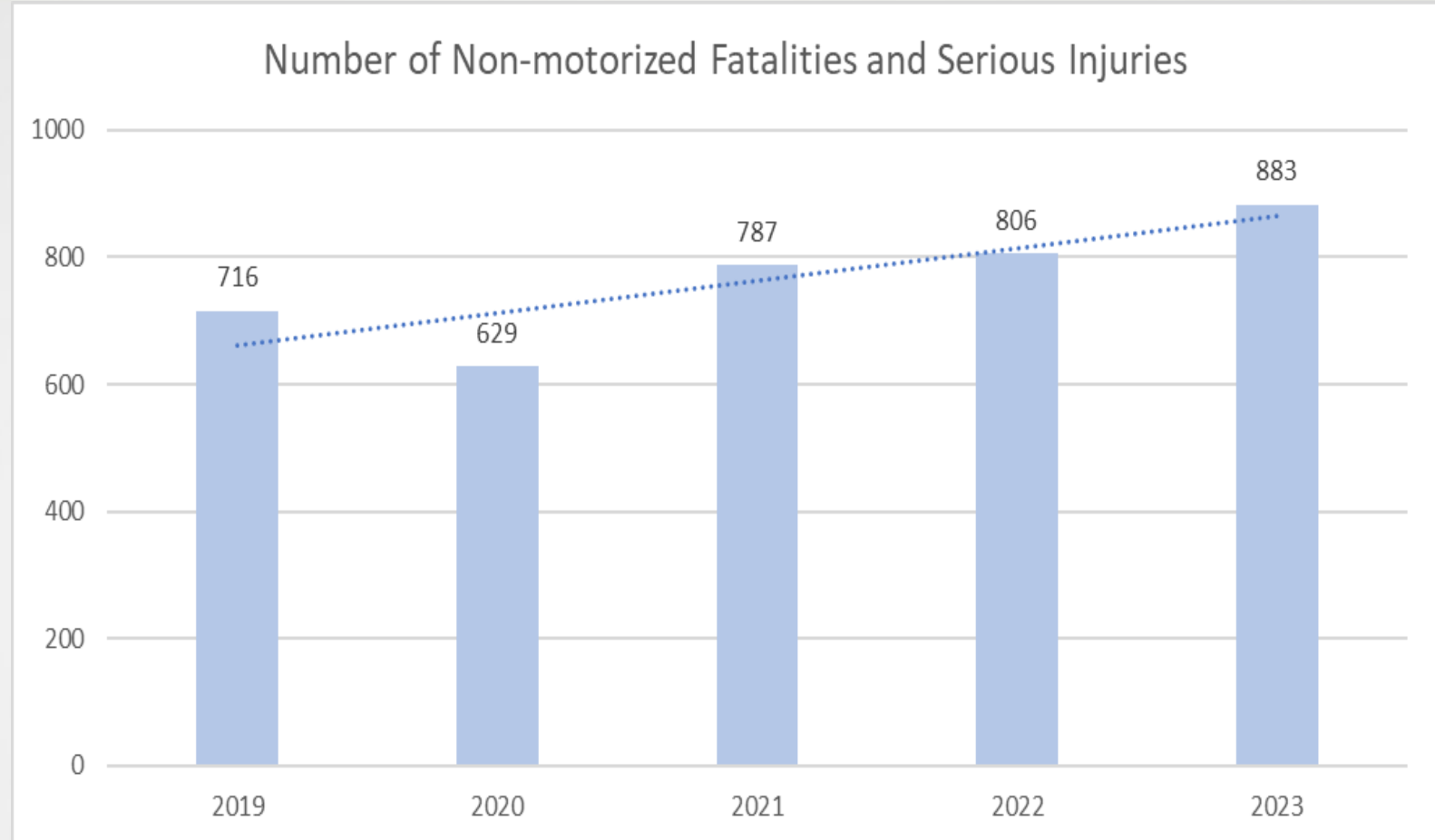
Serious Injuries

Year	Number	Rate
2019	3,260	5.26
2020	3,416	6.06
2021	4,377	7.47
2022	4,264	7.17
2023	4,239	6.13
5 Year Average	3,911	6.41



Non-Motorized Fatalities and Serious Injuries

Year	Count
2019	716
2020	629
2021	787
2022	806
2023	883
5 Year Average	764



2024 Performance Measures – Five-Year Averages

Year	2019	2020	2021	2022	2023	Five-Year Average
Number of Fatalities	641	717	849	839	779	765
Fatality Rate	1.03	1.27	1.45	1.41	1.13	1.25
Number of Serious Injuries	3,260	3,416	4,377	4,264	4,239	3,911
Serious Injury Rate	5.26	6.06	7.47	7.17	6.13	6.41
Number of Non-motorized Fatalities and Serious Injuries	716	629	787	806	883	764

Questions/Comments



▪ David Fink

- Safety and Regional Incident Management Manager
- david.fink@h-gac.com
- 713-993-4558

▪ Stephen Keen

- Senior Planner
- stephen.keen@h-gac.com
- 713-993-4574



Project Selection Process Update



Transportation Advisory Committee
January 17, 2024

Investment Categories

- Selection Process in progress
 - High Growth Area Needs
 - Resiliency and State of Good Repair
 - Operational Improvements and Congestion Management
 - Transit
 - Major Projects
- Evaluation criteria available at <https://www.h-gac.com/transportation-project-selection-process>
- Questionnaires due on February 5, 2024
- Sponsors can request portal accounts by sending an email to Vishu.Lingala @h-gac.com

Next Steps

Selection Step	Month 2024
Criteria questionnaires	Feb 5th
Evaluation scoring & ranking	Feb/March
Evaluation score validation	Feb/March
Benefit-cost analysis (BCA)	March/April
Project readiness	March/April
BCA scoring & ranking	May/June
BCA validation & final draft ranking	June/July
Anticipated recommendation	August

Available Funding by Invest. Category

Investment Category	Funding Instruction	Available Funding (\$M)
Regional Goods Movement	12%	\$156
High Growth Area Needs	25%	\$324
Major Projects	30%	\$389
Operational Improvements & Congestion Management	13%	\$168
Resiliency & State of Good Repair	5%	\$65
Transit	7.5%	\$97
Active Transportation	7.5%	\$97
Safety	\$30/Year	\$300
Total		\$1,596
* Total available funding for the next 5 investment categories		\$1,043

Contacts



Vishu Lingala
Principal Transportation Planner

Vishu.Lingala@H-GAC.com

713-993-4561

Adam Beckom, AICP
Manager

Adam.Beckom@H-GAC.com

713-993-4567



Regional Transportation Plan Project Development Process



Stephen Keen
Transportation Advisory Committee
January 17, 2024

RTP Background



- The Regional Transportation Plan (RTP) is the long-range comprehensive plan for the region that guides major transportation investments through the year 2045.
- The RTP is updated every four years, which includes a project list.
- The RTP project list is:
 - A reflection of the vision and goals of the most recent RTP;
 - Fiscally-constrained;
 - Subject to Air Quality Conformity Determination; and
 - Approved by TPC.
- Currently, there is no official, approved process which sole purpose is to add projects to the RTP.

Project Placement and MPO Plans/Programs



- Project Placement in MPO
 - Projects added to the RTP via the RTP Project Development Process are not added to the 10-Year Plan or TIP.
 - Projects added to the 10-Year Plan or TIP via the Project Selection Process are added to the RTP.



What is an RTP Project?

- An RTP eligible project must be 10 + years away from the letting year.
- RTP eligible projects must be able to answer the following criteria:
 - Name, or Facility
 - Description, or Scope of Work
 - Limits
 - Cost, or reasonable cost ranges
 - Fiscal Year, or five-year band (letting)
- Project information can be estimated
 - MPO does not expect exact information at this stage of their project's life cycle.

RTP Project Development Process



- **Purpose:** Establish primary avenue to add projects to RTP.
 - Project list that reflects and adheres to RTP Vision and Goals
 - Increase projects submitted and added to the RTP (enter the “planning phase”).
 - Maximize planning efforts (planning before programming)
 - Once added to RTP, MPO Director and project sponsor collaborate to ensure project is on track to eventually be included in 10-Year Plan and TIP.
- **Project Development Process**
 - RTP
 - Long-term projects (10+ years)
- **Project Selection Process**
 - TIP/10-Year Plan
 - Short-term projects (0 to 10 years)

December 2023: What we heard



- **Does public outreach need to be NEPA certified for submission to RTP Project Development Process?**
 - No, public outreach does not need to be NEPA certified to submit project.
- **Are we able to undergo air quality conformity yearly?**
 - Conformity will occur every two years to encourage new projects be added to the project lists, and identify and undergo further planning efforts.
 - Additional conformity reviews occur at direction of MPO Director.
- **How are we able to add projects from PEL (Planning and Environmental Linkages) Studies ?**
 - The RTP Project Development process is designed for projects 10+ years from letting.
 - If a project is added to TIP or 10-Year Plan, the project will also be added to RTP.
- **Can sponsors submit conceptual projects to the RTP Project Development Process?**
 - Yes, they can be submitted. However, conceptual projects must be able to provide basic information requested during project submission.

Step 1: Access

- Open Application Period
 - Online Application only
 - Portal will be open for **60** days
 - **WHY:** Public outreach, administrative approvals, data gathering, and other necessary procedures.
- Project list updated every two years
 - In coordination with the Project Selection Process.
 - Compliant with organizational Air Quality Conformity procedures.

Step 2: Submission

- Project sponsor submits application and will answer the following:
 - Applicant Information
 - Name, email/phone number, organization
 - Project Name
 - Project Description/Scope of Work
 - Project Limits (Shapefile if available)
 - Project Cost, or Cost Ranges
 - Project Fiscal Year, or five-year band
 - Project Need
 - Project Desired Outcome
 - Documented public outreach
 - Source of documented public outreach
 - Explanation for no public outreach
 - Present in previous studies/plans
 - If yes, name the study/plan with link
 - Regionally Significant
 - If yes, explain how
 - RTP Goal(s) addressed
 - Five Questions
 - Narrative; and/or
 - Data

Step 2, Question 1: Improve Safety

- **Question:** Does your project decrease transportation network fatalities? Does it decrease serious injuries?
- **Scoring**
 - Does it decrease transportation network fatalities?
 - Does it decrease transportation network serious injuries?
- **Verification Examples**
 - **Data:** Provide map that shows fatalities and serious injuries within the project limits.
 - **Narrative:** Explain how this project decreases fatalities and serious injuries.

Step 2, Question 2: Achieve and Maintain a State of Good Repair

- **Question:** Does your project help achieve and maintain good condition of roads, bridges, and transit facilities and/or equipment?
- **Scoring**
 - Does it help achieve and maintain good condition for roads and/or bridges?
 - Does it help achieve and maintain good condition of transit facilities and/or equipment?
- **Verification Examples**
 - **Data:** Provide current conditions of the road, bridge and/or transit facilities/equipment.
 - **Narrative:** Explain why the road, bridge, or transit facility/equipment needs to be replaced or maintained.

Step 2, Question 3: Move People and Goods Reliably and Efficiently

- **Question:** Does your project help increase or maintain travel time reliability? Does it decrease annual peak hours of excessive delay?
- **Scoring**
 - Does it increase or maintain travel time reliability?
 - Does it decrease annual peak hours of excessive delay?
- **Verification Examples**
 - **Data:** Calculate level of travel time reliability
 - **Narrative:** Explain how the project could increase travel time reliability? Incident response reliability?

Step 2, Question 4: Strengthen Regional and Economic Competitiveness

- **Question:** Does your project help achieve reliable freight movement? Does it address traffic congestion by offering alternatives to driving alone?
- **Scoring**
 - Does it increase or maintain truck travel time reliability (TTTR)?
 - Does it offer alternatives to driving alone to combat traffic congestion on the roadway?
- **Verification Examples**
 - **Data:** Calculate truck travel time reliability
 - **Narrative:** How does project outcome provide alternatives to driving alone?

Step 2, Question 5: Conserve and Protect Natural and Cultural Resources

- **Question:** Does it mitigate impact to the project boundary's cultural integrity? Does your project mitigate impacts to the natural environment?
- **Scoring**
 - Does your project avoid or mitigate impacts to natural or cultural resources?
 - Does your project support the reduction of NO_x, VOC, or GHG emissions?
- **Verification Examples**
 - **Data:** Provide a map that identifies historical sites, archeological sites, flood sites, wetlands, etc. within the project limits.
 - **Data:** Provide data on how this project contributes to emission reduction.
 - **Narrative:** Explain how this project conserves and protects natural and cultural resources.

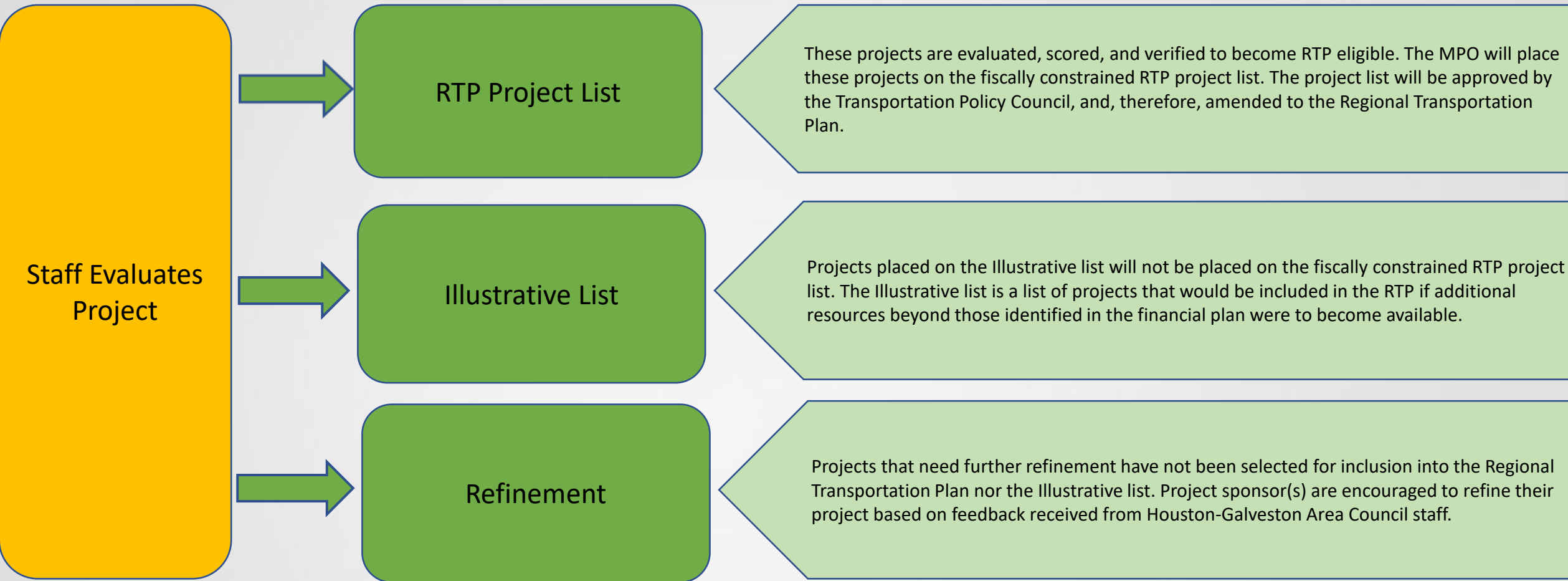
Step 3: Evaluation

RTP Goals	Criteria	Y/N
Improve Safety	Decrease transportation facilities	Y
	Decrease transportation serious injuries	
Achieve and Maintain a State of Good Repair	Achieve or maintain good conditons for roads and/or bridges	Y
	Achieve or maintain good condition of transit facilities and/or equipment	
Move People and Goods Reliably and Efficiently	Increase of maintain travel time reliability	Y
	Decrease annual peak hours of excessive delay	
Strengthen Regional Economic Competitiveness	Increase or maintain truck travel time reliability	Y
	Alternatives to driving alone	
Conserve and Protect Natural and Cultural Resources	Mitigates impact to natural and cultural resources	Y
	Contribute to NOx, VOC, or GHG emission reduction	

Criteria	Y/N
Project Name	Y
Project Description or Scope of Work	Y
Project Limits	Y
Project Cost	Y
Project Need	Y
Project Desired Outcome	Y
Regionally Significant	Y
If yes, provide explanation	
Public Outreach Process	Y
If yes, provide supporting documentation	
If no, provide explanation	Y
Present in previous study or plan	
If yes, provide link or attachment	Y

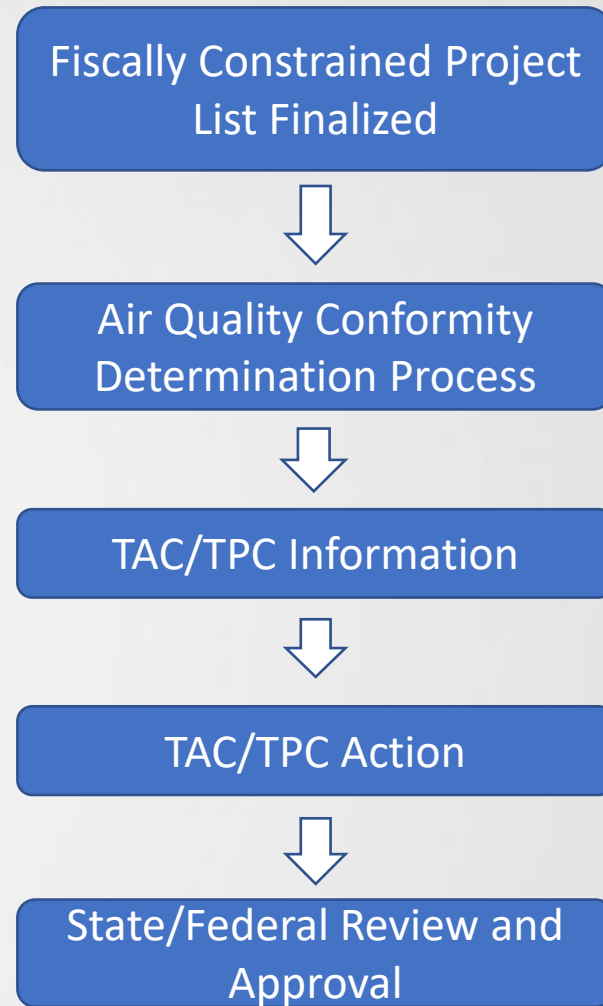
- Staff will evaluate submissions based on the criteria highlighted here
 - Yes/No
 - Submissions **must** address at least three RTP Goals
 - Submissions **must not** diminish the progress of other goals.

Step 4: Recommendation



Step 5: Presentation

- Before presentation to TAC/TPC, the RTP Project list will:
 - Undergo fiscal constraint
 - Undergo an Air Quality Conformity Determination Process
- The RTP Project List will be brought to TAC/TPC as an amendment for presentation and approval.
- Once approved, the air quality determination documents will be sent to our state and federal partners for review.



Air Quality Conformity Determination

- Demonstrates that projected emissions from transportation projects do not exceed the region's motor vehicle emission budget.
- For every new approval of the RTP project list (or TIP/10-Year Plan), MPO must demonstrate conformity.
- Conformity to be completed every two years, which will allow:
 - Biennial updates to the project lists for the TIP, 10-Year Plan, and RTP;
 - Aligns scheduling of RTP Project Development Process and Project Selection Process; and
 - Allows further planning efforts that will be coordinated with conformity dates.

RTP Project Development Process: Going Forward

Tasks	Feb.	March.	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Online Portal Development	✕	✕									
Staff Project Evaluation Training		✕							✕		
Project Sponsor Training		✕							✕		
Application Initiation			✕								
Application Submission Deadline					✕						
Staff Project Evaluation Period						✕	✕				
Project Sponsor Decision Notice								✕			
Draft Project List								✕			
Fiscal Constraint	Fiscal constraint occurs once all projects are evaluated and given recommendations.										
Air Quality Conformity	Air Quality Conformity begins once fiscally constrained project list is approved by TPC.										

*All dates tentative and subject to change

Questions/Comments



- **Anita Hollmann-Matijcio**

- Regional Planning Manager
- anita.hollmann@h-gac.com
- 713-993-4587

- **Stephen Keen**

- Senior Planner
- stephen.keen@h-gac.com
- 713-993-4574

- **Qun Zhao**

- Senior Planner
- qun.zhao@h-gac.com
- 832-681-2580

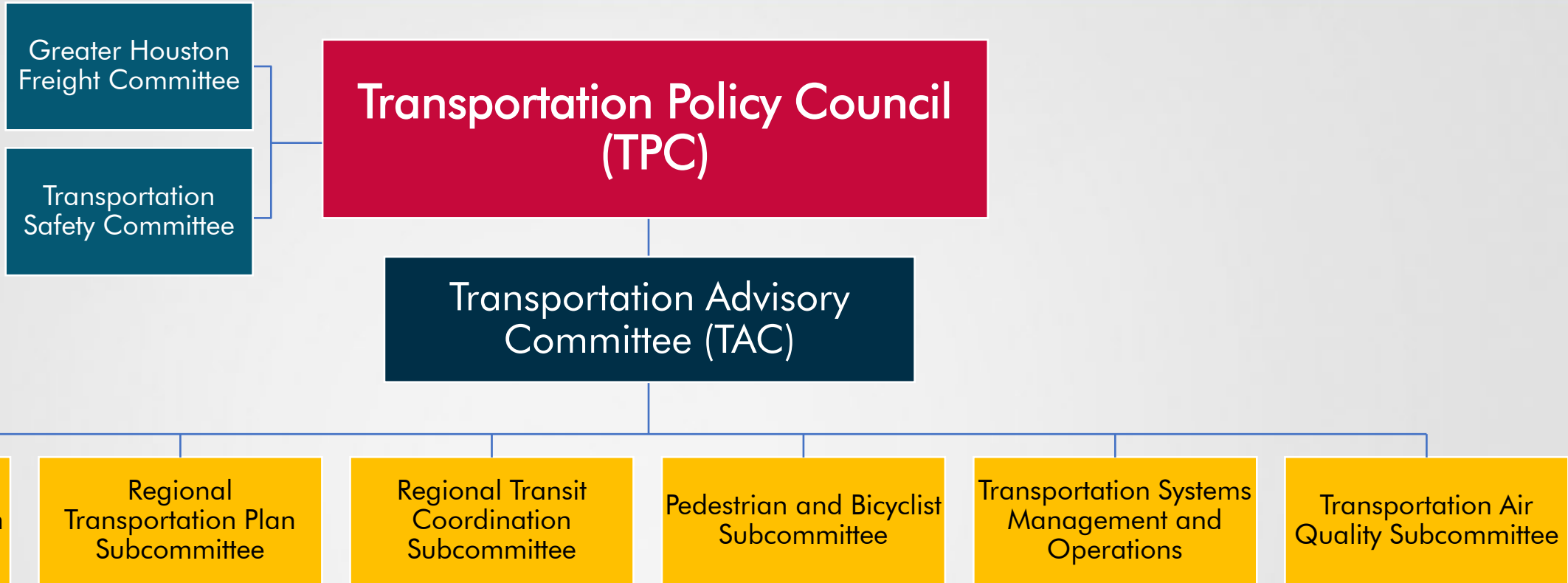


9. UPDATE ON NOMINATION PROCESS



Transportation Advisory Committee
January 17, 2024

MPO Committee Structure



Nomination Process

Recommend membership for:

- TAC Officers: Chair, 1st Vice Chair, and 2nd Vice Chair
- TAC Subcommittees:
 - Pedestrian-Bicyclist Subcommittee (22 Members)
 - Regional Transportation Plan Subcommittee (23 Members)
 - Regional Transit Coordination Subcommittee (18 Members)
 - Transportation Air Quality Subcommittee (19 Members)
 - Transportation Improvement Program Subcommittee (22 Members)
 - Transportation Systems Management and Operations (17 Members)

<https://www.h-gac.com/getmedia/7f66779d-cf75-40dc-a38e-849d56fcb730/TAC-Subcommittees-Bylaws.pdf>



Timeline



January 26, 2024:

- Transportation Policy Council action on 2024 Transportation Advisory Committee Members

February 14, 2024:

- Transportation Advisory Committee action on 2024 Nominating Committee
- H-GAC staff distribute form soliciting nominations from TAC Members

March 13, 2024:

- Transportation Advisory Committee action recommended slate of nominees



Item 10A. Future Amendments to the 2023-2026 TIP and 2045 RTP



Transportation Advisory Committee
January 17, 2024

Future TIP and RTP Amendments

- Program \$2.0M of federal CMAQ funds matched with 400K TDCs in FY 2024 (MPO ID 19035) as a supplement to Fort Bend County Transit's Westpark Tollway Park & Ride construction (MPO IDs 9756, 11537 & 18610) due to increased estimates of labor and materials. (+ \$2.0M; Total: \$6.1M)
- Add \$623K of STBG funds (80% federal/20% local) to Brazoria County's FY 2024 CR 58 4-lane widening (MPO ID 17109) due to inflated estimates of construction costs. (+ \$623K; Total: \$7.0M)
- Add \$72K of FTA Section 5310 funds to METRO's FY 2024 Enhanced Mobility of Seniors and Individuals with Disabilities Program Administration (MPO ID 18974) to cover addition program expenditures. (+ \$72K; Total: \$77K)
- Replace \$50.7M of local funds with FTA Section 5324 Emergency Relief Program funds on METRO's Emergency Operations Center construction (MPO ID 18760). Advance FY 2025 to FY 2024 . (+ \$13.5M; Total: \$64.1M)

Future TIP and RTP Amendments

- Delay the City of League City's STBG funded Landing Blvd/NASA 1 Bypass construction (MPO ID 17080) from FY 2024 to FY 2025 due to ROW acquisitions and utilities relocations. (Total: \$63.8M)
- Delay METRO'S FTA Section 5310 funded Baker Ripley Health & Wellness Ride Expansion project (MPO ID 18962) from FY 2023 to FY 2024 and update the apportionment year from FY 2021 to FY 2022. (Total: \$1.7M)
- Delay METRO'S FTA Section 5310 funded Center for Pursuit Purchase of ADA Vehicle project (MPO ID 18963) from FY 2023 to FY 2024 and update the apportionment year from FY 2021 to FY 2022. (Total: \$80K)
- Delay METRO'S FTA Section 5310 funded West University Place of ADA Access Improvements project (MPO ID 18964) from FY 2023 to FY 2024 and update the apportionment year from FY 2021 to FY 2022. (Total: \$800K)

Action

- Discussion and Possible Action