

2045 Metropolitan Transportation Plan Working Group

Meeting Record



Date: Thursday, March 19, 2020

Time: 9:30 a.m.

Location: Online / Webinar via GoToMeeting.com

Attendees: Working Group Members

Kelly Brock, Tomika Monterville, Lee Pulham, Will Hawthorne, Hazem El-Assar, Jeff Piggrem, Kathy Lee, Cheryl Stone, Rakinya Hinson, Chris Cairns, Conroy Jacobs, Bill Wharton, Bob O'Malley, Dan Stephens, Carol Scott, Fred Milch

MetroPlan Orlando Staff

Alex Trauger, Cynthia Lambert, Lara Bouck, Nick Lepp, Gary Huttman, Eric Hill, Mary Ann Horne, Sarah Larsen, Virginia Whittington, Leilani Vaiaoga, Jasmine Blais

Others in attendance

John Kaliski, Michael Williamson, Jeff Arms, Danny Shopf, Renzo Nastasi, Tawny Olore, Jorge Tolosa, Courtney Reynolds, Demond Hazley, Theo Webster

Reference: 1) Meeting Agenda; 2) Presentation Materials; 3) Mentimeter Poll Findings

Summary

Welcome and Introductions –

Mr. Alex Trauger, MetroPlan Orlando staff and MTP Project Manager, called the meeting to order, welcomed attendees, and provided instructions and an overview of the meeting's agenda.

Status Update: Technical Activities –

MetroPlan Orlando staff provided an update on planning activities to date which included the publishing of the MTP Goals and Objectives, Data Source Guide, Origin-Destination Analyses, and Existing Conditions technical series documents on the MetroPlan Orlando website <https://metroplanorlando.org/2045-mtp/whats-in-the-2045-plan/documents-for-review/>). The presentation also included an update regarding the Congestion Management Process and coordination with FDOT on 2045 trend SE Data and the development of the CFRPM (regional travel demand) model.

Presentation materials (copy of PowerPoint slides) included for reference.

Status Update: Public Participation –

Ms. Cynthia Lambert, MetroPlan Orlando Public Information Manager, provided a status update on public engagement activities to date. Since November 2019, MPO staff has participated in 13 events (<https://metroplanorlando.org/mtp-event/>) primarily with youth (~500 school-age kids) and underserved communities; and has received feedback with over 200 completed surveys. The remainder of the presentation focused on preliminary survey findings pertaining to perception of system needs, importance of planning goals, and desired changes to the transportation system (more frequent transit service, “smart” traffic signals adjusting for congestion, and better connections from transit to final destinations).

Group Discussion: Scenario Planning: Trends and Alternative Futures –

Members of MetroPlan Orlando’s consultant team (Cambridge Systematics) lead the presentation, discussion and polling for this agenda item. The presentation began with an overview of scenario planning fundamentals and details relating to each of the key drivers of change (population, economy, visitation, land use/development, technology, climate, and transportation options). Following the overview, the 2045 Plan’s scenario framework and alternative futures (continuation of current trends, global expansion, innovation/technology, and climate consequences) were introduced.

Based on the virtual/webinar format of the working group meeting, online polling using ‘Mentimeter’ was utilized to solicit feedback and improve inter-activity. Participants were provided instructions and asked to respond to a few preliminary questions to ensure the polling application was functioning properly. Following these steps, the consultant team presented details relating to each of the four (4) alternative futures and asked participants to respond to the question “how would this future impact the moving of people and freight in the region?”

After each alternative future was presented and participant polling concluded, a comparative summary of each scenario was presented and similarities and key differences were identified relating to each driver of change. Participants were then asked to use the polling application to rate “how plausible are these alternative futures?” and “how should the 2045 Plan best account for and incorporate these futures?”. Top responses included “identifying risks and mitigation strategies” and using alternative futures in “identifying and prioritizing needs”. In concluding the interactive polling, participants were asked “what is missing from this discussion / not being considered that should be?”. Notable responses included “impacts on traditional funding models” and “equity”.

All participant responses and Mentimeter poll findings included for reference.

Next Steps –

The consultant team presented next steps pertaining to the scenario planning process noting that the scenario framework will be updated based on feedback received from Working Group members; and the MetroPlan Orlando Board and Advisory Committees will receive a presentation on this content at their next meetings. Other scenario planning next steps include analyzing transportation impacts and needs associated with each alternative future.

MetroPlan Orlando staff discussed next steps relating to the overall 2045 Plan update which includes continuing public participation with an online focus, updating the Congestion Management Process, initiating the multimodal needs assessment and environmental/health screening, and preparing preliminary financial forecasts.

2020 Meeting Schedule –

- Tuesday, June 16, 2020, 9:30 a.m.
- Tuesday, August 11, 2020, 9:30 a.m.
- Tuesday, November 3, 2020, 9:30 a.m.

Public Comments –

None

Adjournment –

Meeting was adjourned at 11:00 a.m.

As required by Section 286.0105, Florida Statutes, MetroPlan Orlando hereby notifies all interested parties that if a person decides to appeal any decision made by MetroPlan Orlando with respect to any matter considered at such meeting or hearing, he or she may need to ensure that a verbatim record is made to include the testimony and evidence upon which the appeal is to be based.

2045 Metropolitan Transportation Plan Working Group

Meeting Notice



Date: Thursday, March 19, 2020

Time: 9:30 a.m.

Location: Online / GoToMeeting.com

Wi-Fi Access Available

Network: MpoGuest

Password: mpoaccess

Agenda

I. Welcome

II. Status Updates

- Planning Process / Technical Activities
- Public Participation

III. Presentation & Group Discussion

- Scenario Planning: Trends and Alternative Futures

IV. Meeting Schedule

- Tuesday, June 16, 2020, 9:30 a.m.
- Tuesday, August 11, 2020, 9:30 a.m.
- Tuesday, November 3, 2020, 9:30 a.m.

V. Public Comments

People wishing to speak must complete a “Speakers Card” at the reception desk. Each speaker is limited to two (2) minutes.

VI. Adjournment

In accordance with the Americans with Disabilities Act (ADA), if any person with a disability as defined by the ADA needs special accommodations to participate in this proceeding, he or she should contact Ms. Lisa Smith, MetroPlan Orlando, 250 South Orange Avenue, Suite 200, Orlando, Florida, 32801 or by telephone at (407) 481-5672 x307 at least three business days prior to the event.

Persons who require translation services, which are provided at no cost, should contact MetroPlan Orlando at (407) 481.5672 x307 or by email at lsmith@metroplanorlando.org at least three business days prior to the event.

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GoTo Meeting Instructions

- This meeting will be recorded
- Please mute your phone when you are not talking
 - Don't put us on hold or take another call or we will hear your hold music
- If you have questions during the presentation, please type them into the chat box

GoToMeeting

talking: 2

Audio Screen Webcam

Computer audio
Phone call
No audio

Dial: +1 (571) 317-3122
Access Code: 736-708-805 #
Audio PIN: 2 #

Problem dialing in?

> Audience view
> Attendees: 1 of 251 (max)

> Chat

Enter your message

To: Everyone Send

Record

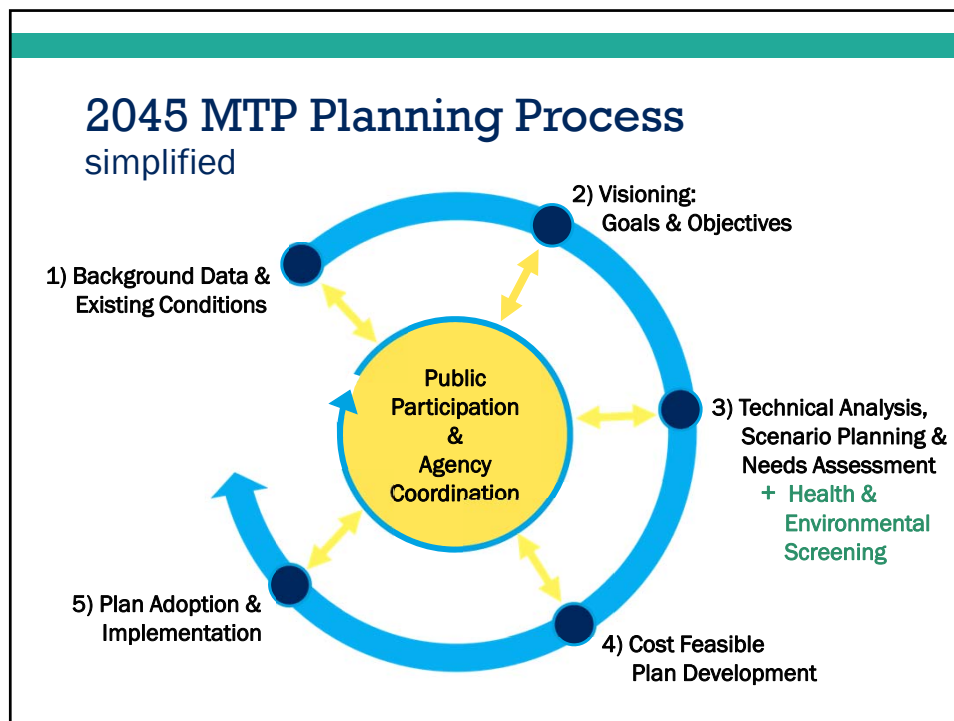
Today's Agenda

- I. Welcome
- II. Status Updates:
Technical Activities & Public Participation
- III. Presentation & Group Discussion:
Scenario Planning - Trends and Alternative Futures
- IV. Upcoming Meetings
- V. Public Comments
- VI. Adjourn



Status Update: Technical Activities





Engagement By the Numbers: November 2019 – January 2020

13

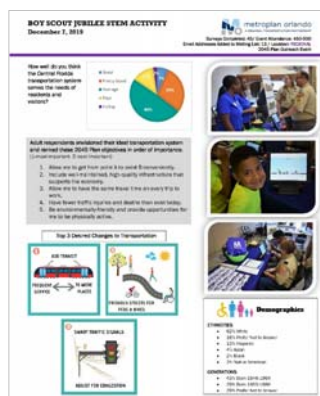
events

228

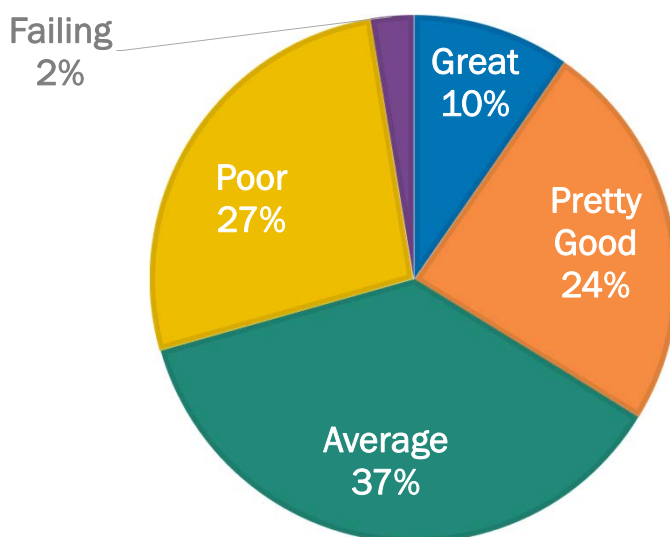
surveys

~500

school-age kids



How well does the Central Florida transportation system serve the needs of residents & visitors?








Plan objectives in order of importance to respondents

- 1 Get from point A to point B conveniently
- 2 Include well-maintained, high quality infrastructure
- 3 Fewer traffic injuries and deaths
- 4 Same travel time on every trip to work
- 5 Environmentally-friendly and chances for physical activity



Top 3 desired changes to the transportation system

- 1 **ADD TRANSIT**
FREQUENT SERVICE ↔ TO MORE PLACES

- 2 **SMART TRAFFIC SIGNALS**
ADJUST FOR CONGESTION

- 3 **BETTER CONNECTIONS FROM TRANSIT**
TO FINAL DESTINATION


- Making roads more friendly for pedestrians & cyclists
- Expanding the trail system

What's Next?



How to get involved in the 2045 Plan?



Online at **MetroPlanOrlando.org/2045**

In Person

Invite us to attend your event or
present to your group



Questions?

Call: **407.481.5672**

Email: **MTP@MetroPlanOrlando.org**

Presentation & Group Discussion: Scenario Planning - Trends and Alternative Futures



Why Scenario Planning?

TODAY

TOMORROW



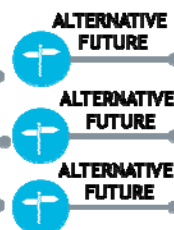
POINT FORECAST

Planning for a short-term point
in time based on current trends.



PLAUSIBLE FUTURE SCENARIOS

Letting the future drive planning by identifying
a range of plausible alternative futures and
linking futures with responsive strategies and
signposts of change.



2045 MTP

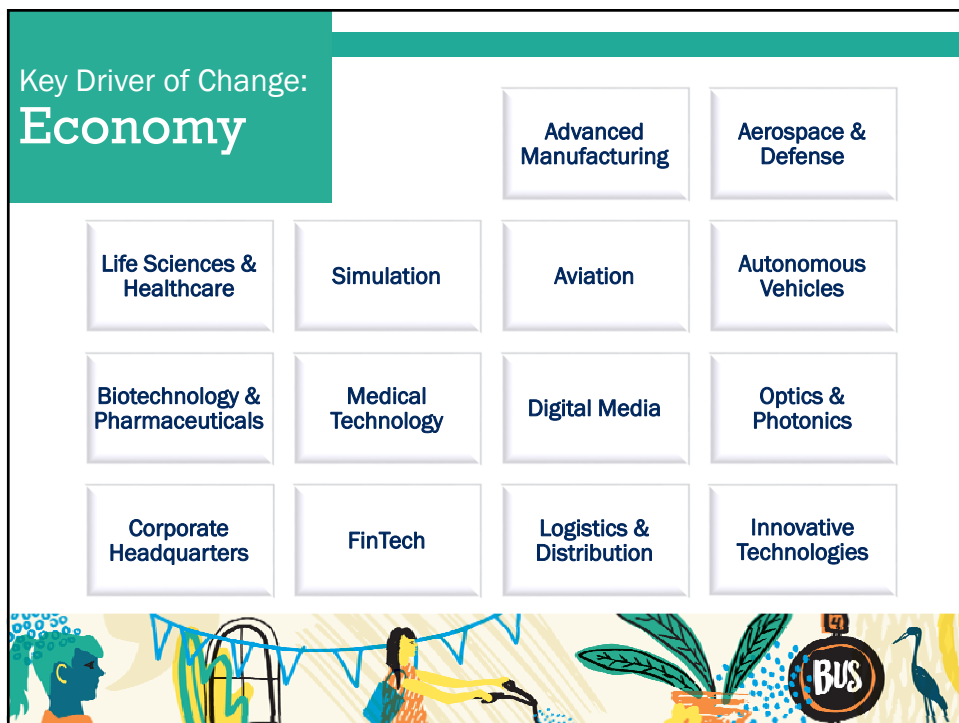
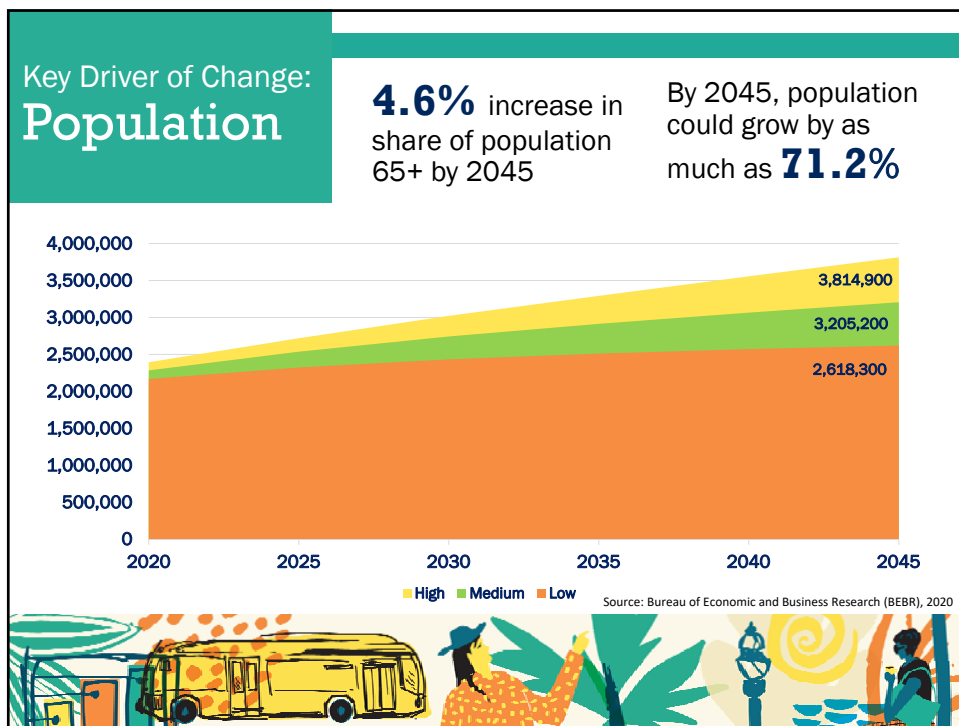
Scenario Planning Steps

- 1. Where are we today ?** Historic Trends + Existing Conditions
- 2. Where could we be going ?** Signs of Change + Plausible Futures
- 3. How do we prepare ?** Potential Needs / Impacts + Indicators
- 4. What's our best path ?** Robust Strategies + Priority Projects

2045 MTP

Key Drivers of Change



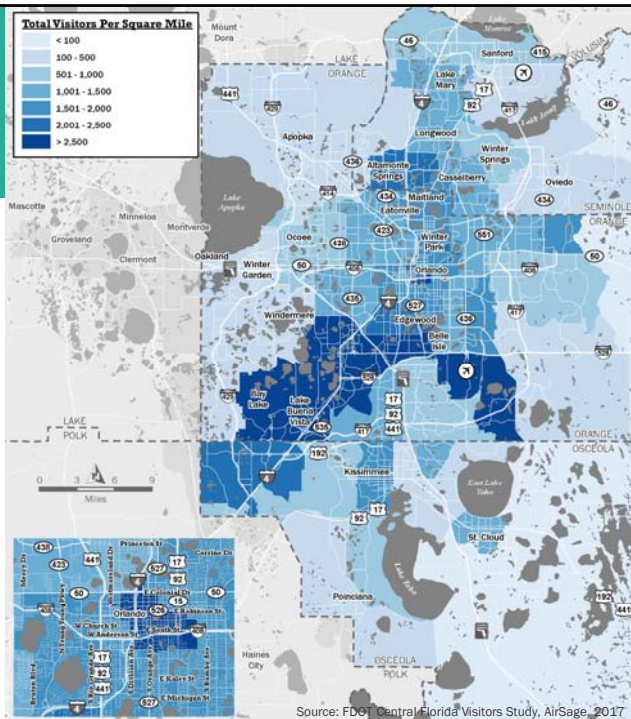


Key Driver of Change: Visitors

75 million
visitors in 2018

34 visitors for
every one resident
in the region

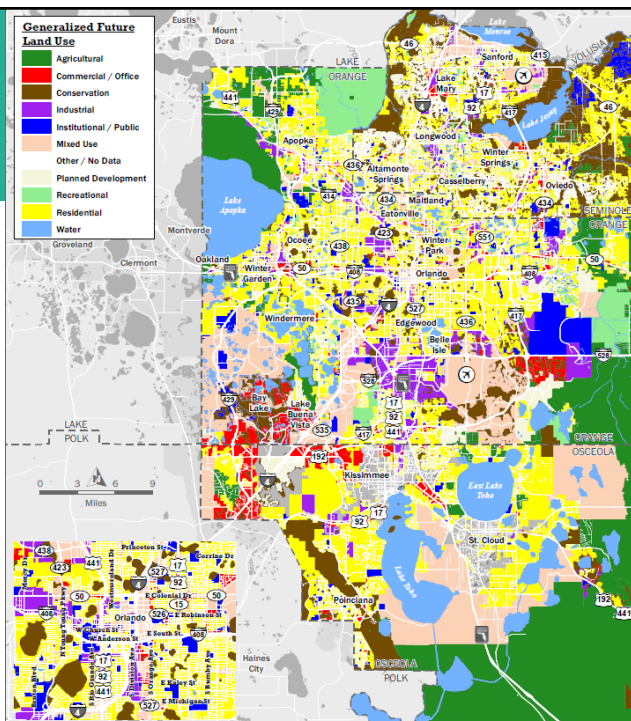
Rate of growth
varies by type of
visitor



Key Driver of Change: Development & Land Use

How is this impacted by:

- Automated vehicles
- Increased transit, micro-mobility, bike & pedestrian use
- Telepresence
- Housing preferences
- Master planned development
- Urban infill



Key Driver of Change: Technology

“Autonomous vehicle sales to surpass \$33 million annually in 2040, enabling new autonomous mobility in more than **26 percent** of new car sales.”

- IHS Automotive

“By 2030, within 10 years of regulatory approval of autonomous vehicles (AVs), **95 percent** of U.S. passenger miles traveled will be served by **on-demand autonomous electric vehicles** owned by fleets, not individuals, in a new business model we call “transportation-as-a-service.”

- RethinkX

“In the 2040s, autonomous vehicles will represent approximately 50 percent of vehicle sales, 30 percent of vehicles and **40 percent of all vehicle travel**. Only in the 2050s would most vehicles be capable of automated driving.”

- Victoria Transportation Policy Institute



Key Driver of Change: Climate

Florida has been impacted by **40%** of all U.S. hurricanes

Nationally, the total annual damages from temperature and precipitation to paved roads is estimated at up to **\$20 billion**.

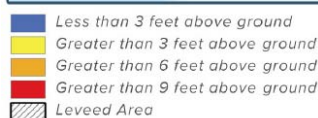
FLORIDA STORM SURGE

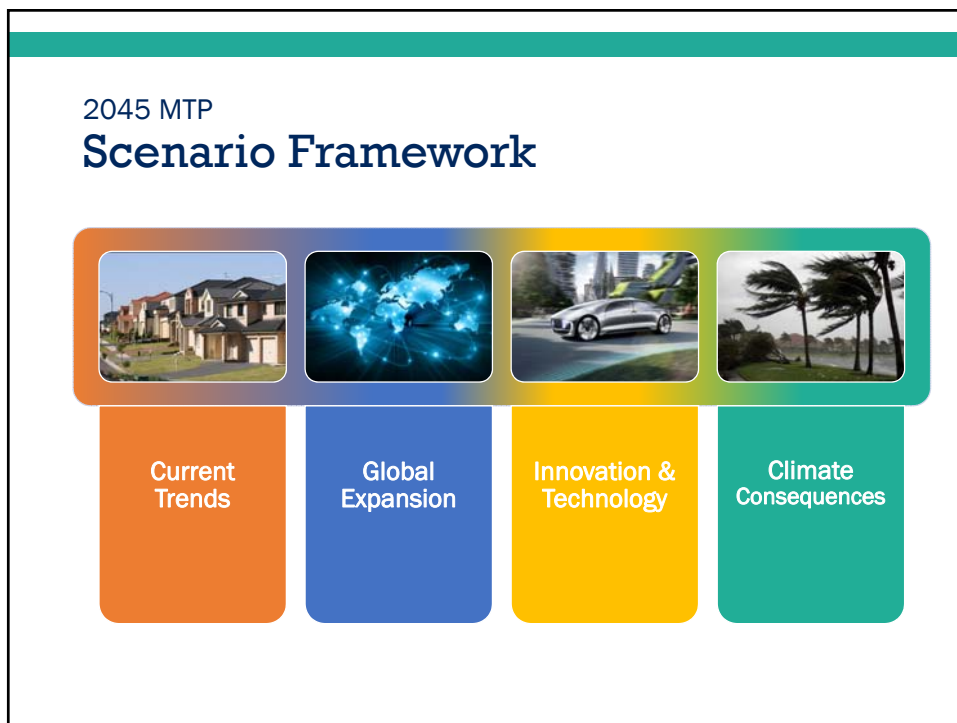
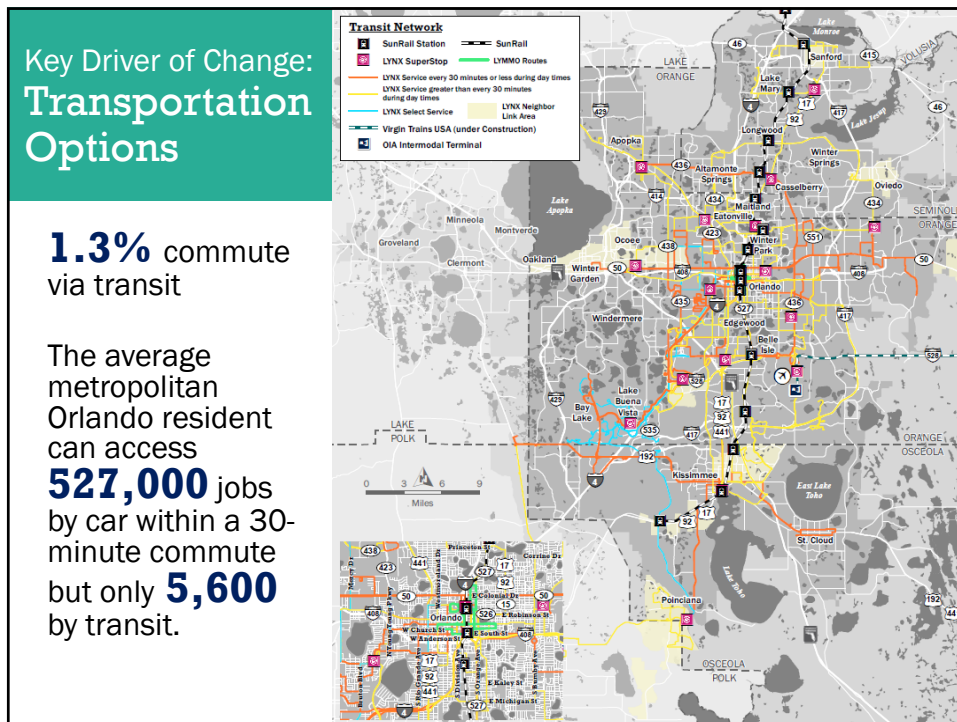
22

CATEGORY 1



CATEGORY 5





Mentimeter Polling & Discussion

- Allows you to provide real-time input to our discussion
- Polling is accessible via computer, smartphone, tablet
- Go to www.menti.com
- Enter code 38 76 06
- Enter your input for each question as it is presented
- GoToMeeting Chat function will also be used to guide our discussion throughout the polling



What year was the very first model of the iPhone released?

- 2001
- 2005
- 2007

What part of the MetroPlan community do you represent?

- Multiple choice
- 2045 MTP Working Group
- MPO Advisory Committee
- Public
- MPO Staff

Have you been involved in scenario planning before?

- Yes
- No

2045 MTP Scenario Continuation of Current Trends



Key Drivers of Change

Economy

Steady economic growth. Remains focused on tourism and service industry.

Land Use & Development

Development around major transportation corridors and on the fringes of the region; some urban infill.

Climate

Gradual increase in temperatures and frequency of extreme weather events. Moderate sea level rise.

Population

Increase 40% by 2045.

Visitation

Steady growth in visitors. Major destinations remain the same.

Technology

Region embraces technology and automated vehicles account for 25% of VMT.

Transportation Options

Region remains automobile-centric with moderate increases in transit, bicycle, and pedestrian activity.

How would this future (Continuation of Current Trends) impact moving people and freight in the region?

- Open question

2045 MTP Scenario Global Expansion



Key Drivers of Change

Economy

Higher economic growth rate with greater focus on logistics and manufacturing.

Land Use & Development

Growth in manufacturing. Multiple distribution centers are developed in the region and in neighboring counties across the superregion.

Climate

Gradual increase in temperatures and frequency of extreme weather events. Moderate sea level rise.

Population

Similar rate of population growth with more foreign born and more diverse population.

Visitation

Increase in both domestic and international visitors beyond baseline.

Technology

Many freight providers rely on fully automated vehicles for interregional trips. 3-D printing capabilities help streamline production.

Transportation Options

Region remains automobile-centric with moderate increases in transit, bicycle, and pedestrian activity. Freight rail volume increases.

How would this future (Global Expansion) impact moving people and freight in the region?

- Open question

2045 MTP Scenario Innovation & Technology



Key Drivers of Change

Economy

Higher economic growth with greater focus on aerospace, simulation, research and technology.

Land Use & Development

Urban and rural areas of region experience growth as technological advancements (micro-mobility, automated vehicles, telepresence) allow people to live where they want.

Climate

Gradual increase in temperatures & frequency of extreme weather events. Moderate sea level rise.

Population

Similar rate of population growth. Higher percentage of population age 18-34.

Visitation

Similar visitor growth rate with an increase in business travel.

Technology


Automated vehicles account for 33% of VMT with multiple automated vehicle subscription services. Major investments in automated transit network.

Transportation Options

Wide range of options available including automated vehicles, high-speed rail, micro-mobility services, urban air mobility, & hyperloop.

How would this future (Innovation & Technology) impact moving people and freight in the region?

- Open question

<div> <div>2045 MTP Scenario</div> <div>Climate Consequences</div> </div> <div>  </div>	
<div>Key Drivers of Change</div>	<div>Population</div> <p>Higher population growth rate. In-migration from coastal communities and the Caribbean impacted by rising sea levels.</p>
<div>Economy</div> <p>Strong economic growth due to booming construction and services industries.</p>	<div>Visitation</div> <p>Increase in domestic and international tourism beyond baseline.</p>
<div>Land Use & Development</div> <p>Rapid population growth supports denser development along major corridors & new development in neighboring counties.</p>	<div>Technology</div> <p>Automated vehicles account for 25% of VMT.</p>
<div>Climate</div> <p>Gradual increase in temperatures. Higher frequency of extreme weather events above baseline and high sea level rise.</p>	<div>Transportation Options</div> <p>Region remains automobile-centric with higher increases in transit, bicycle, and pedestrian activity over baseline.</p>

How would this future (Climate Consequences) impact moving people and freight in the region?

- Open question

	Current Trends (Baseline)	Global Expansion	Innovation & Technology	Climate Consequences
Population	Increase by 40%	Increase by 40%	Increase by 40%	Increase by 60%
		More diverse	Younger (18-34)	In-migration
Economy	Moderate growth	Higher growth	Higher growth	Higher growth
	Tourism/Service	Manufacturing	Research/Tech.	Const./Service
Visitation	Moderate growth	Higher growth	Higher growth	Higher growth
	Domestic/Int.	More International	Business travel	More International
Development & Land Use	Along major corridors	Along major corridors	Urban/Rural Growth	Along major corridors
	Some infill	Dist. Centers	Higher infill	Higher infill
Technology	25% of VMT automated	25% of VMT automated	35% of VMT automated	25% of VMT automated
		Freight technologies	A/V Subscriptions	Environmental tech.
Climate	Moderate heat and weather events	Moderate heat and weather events	Moderate heat and weather events	Extreme heat and weather events
	Moderate SLR	Moderate SLR	Moderate SLR	Higher SLR
Transportation Options	Auto-centric	Auto-centric	More options: Automated, high-speed rail, micromobility, urban air mobility, hyperloop, etc.	Auto-centric
	Moderate transit investment	Moderate transit investment		Higher transit investment
		More freight rail		

How plausible are these alternate futures?

- Not likely
- Somewhat likely
- Very likely

**How should the 2045 Plan best account for and incorporate these futures?
(strongly disagree to strongly agree 1 to 5)**

- Identifying and Prioritizing Needs
- Identifying risks and developing mitigation strategies
- Identifying future research needs
- Identifying potential indicators to monitor
- Engaging public and private partners

What is missing from this discussion / not being considered that should be?

- Open question

Next Steps



Scenario Planning

Next Steps

- Refine scenario framework based on input
- Obtain partner and public input on the scenarios
 - MPO Board
 - Advisory Committees
- Analyze impacts of each scenario
- Identify needs significant in each scenario



2045 MTP

Next Steps

- Continue:
 - Public Participation
 - Scenario Planning activities
 - Congestion Management Process (CMP) update
- Initiate:
 - Multimodal Needs Assessment
 - Health & Community Screening
- Prepare: Preliminary Financial Forecasts



Upcoming Meetings



2020 Meeting Schedule

All 2045 Plan Working Group
meetings will be held in the
MetroPlan Orlando Boardroom

250 South Orange Avenue
Suite 200
Orlando, FL 32801

January 17th | 9:30 a.m.

Congestion Management Process & Performance Monitoring

March 19th | 9:30 a.m.

Introduction to Scenario Planning

June 16th | 9:30 a.m.

Scenario Planning Concepts & Preliminary Needs

August 11th | 9:30 a.m.

Environmental Analysis & Preliminary Cost Feasible Projects

November 3rd | 9:30 a.m.

Cost Feasible Plan & Adoption Activities



Public Comments

People wishing to speak should
use the GoToMeeting chat feature
to express their desire to be heard

Each speaker is limited to
two (2) minutes.



MetroPlanOrlando.org/2045

250 South Orange Avenue, Suite 200 | Orlando, Florida 32801



MetroPlan Orlando – 2045 Plan Working Group, March 19, 2020
Polling Summary / Responses

1. What year was the very first iPhone released?

- 2001 – 5 response
- 2005 – 5 responses
- 2007 – 10 responses (correct)

2. What part of the MetroPlan Orlando community do you represent?

- 2045 Plan Working Group – 14 responses
- MPO Advisory Committee – 5 responses
- Public – 0 responses
- MPO Staff – 0 responses

3. Have you ever been involved in a scenario planning before?

- Yes – 12 responses
- No – 9 responses

4. Continuation of Current Trends: How would this future impact moving people and freight in the region?

- Congestion.
- Sprawl.
- Decline in mobility and access.
- Unacceptable congestion, continued safety issues for vulnerable modes.
- Safety issues.
- Continued congestion.
- Safety issues.
- Longer trips and continuation of sprawl.
- Without developing transit a great deal will be in gridlock.
- Stagnation of growth.
- Traffic congestion would increase based on population growth increase and the dependency on automobiles; Capacity improvement would still be prioritized.
- Shift to other modes of transport.
- Congestion, unless mode split increases.
- May be too hot to live here.
- Congestion, air pollution.
- Increase inequity.
- Obviously in light of today's world, a need is increased for those who have decreased personal mobility must be reconsidered.
- Socio-economic inequity will increase as individual with higher incomes will be able to live/work/play where they choose and will be able to afford more travel options (express toll lanes, rideshare, etc.).
- Increased pedestrian safety issues and limited transportation reliability; Fewer companies wanted to relocate to the region due to lack of reliable transportation options... now we will need to have more technology resources for telework.
- Congestion will increase for all; WDW will however continue to grow transit.
- Will require a need to investigate additional transportation methods for both passengers and freight.
- There would be an increased need for intercity travel options across the super region (Miami, Orlando, and Tampa).
- Depending on freight distribution, there may be enough truck penetration in vehicle traffic to justify truck-only lanes.
- Rails to trails projects will need to be put on hold in order to reserve the rail for freight activity; will also need to balance freight rail needs and commuter rail needs.
- Transit needs in the tourist corridor would increase with the increase of international visitors (not as reliant on automobile).
- Hyper-loop is not commercially viable.

5. Global Expansion: How would this future impact moving people and freight in the region?

- Still may be too hot to draw people to the region.
- More commute trips from the Tampa Area, More super commuters.
- SunRail vs increased freight on same tracks creates conflicts.
- Increased inequity for residents.
- Less sprawl.
- More telecommuting.

- Further reliance on trucks for freight distribution.
- Economic opportunities.
- Greater friction on freight corridors and areas of economic importance.
- More sprawl.
- Need jobs.
- Dense development will lead to more transit.
- SunRail vs. Brightline vs. Amtrak & freight all using the same rail lines; what takes priority?
- New industries no yet invented.
- Global expansion will allow the region to increase the access to jobs in other parts of our Mega-region.
- Greater densities.
- Shortage of educated workers.
- Teleworking.
- High speed rail needed.
- More access for telecommuting.
- Wider pay gap between trained and untrained.
- Must be more nimble to predict and react to global changes.
- Better food choices.
- Foreign-born visitors and residents are more used to transit and are less auto

centric; this could result in less sprawl and less congestion.

- Maybe hurt opportunity for Central Florida.
- Also creates an opportunity for Orlando to grow from a one-sector economy.
- Healthcare implications and dealing with issues of older people.
- More open market.
- COVID19 brings new heightened concerns about shared vehicles; must address risks to public health in order to encourage transit use.
- Increase in telecommuting may ease congestion.
- Increased options will address equity and help with evacuation and resilience.
- Will bring more capacity which will in turn reduce the requirement of widening roadways.
- Gentrification and displacement increases.
- Public health concerns adversely impacting transit and potential for shared vehicles; must address in order to regain public trust.
- Areas inland will see more population growth which will equal more congestion.

6. Innovation & Technology: How would this future impact moving people and freight in the region?

- Fewer serve crashes.
- Safer travel, increases reliability in trip time.
- More sprawl; more VMT.
- Longer trips.
- Whether personal or UBER-type still putting more traffic on the roads
- Better travel time reliability.
- Reduced long distance commuting.
- Inconsistency in assuming high tech with continued sea level rise and global warming... we'd be able to tackle the problem better.
- Increase in telecommuting may ease congestion.
- Higher VMT due to zero occupancy ownership.
- Fewer trips.
- More efficient use of roads.
- Less car traditional ownership.
- More efficiency in realized.
- Lower carbon emissions.
- Office sharing with employees coming in two or three days a week.
- Less fuel tax revenues.

- Developing newer and more effective forms of transit to enhance equity is critical.
- Gentrification and displacement increased.
- Travel will be less necessary.
- Mom and Pop stores are history.
- Possible increase in personal time to recreate if commuter time lessened; people may want/need more ways to interact.
- Less educated folks will not benefit.
- Options improve equity and help with evacuations and resilience.
- Trips will be reduced as a result of more technology options.
- Increased transportation infrastructure improvement backlog.
- More frequent trips; cost should be reduced.
- Funding sources are important.
- As long as there is a mix of automated and non-automated vehicles on the road most of the advantages of automated vehicles will not be realized.
- More susceptible to cyber-attacks.

7. Climate Consequence: How would this future impact moving people and freight in the region?

- Why relocate here with more hurricanes and flooding rather than, say Michigan?
- Gentrification and displacement increased near major corridors.
- Technology could be used in more way than just automated vehicles (only 25%).
- New heightened concerns about threats to the public are working against transit and shared vehicles; these fears must be allayed before we can regain the public trust in these modes.
- Fewer discretionary trips due to climate and pandemic events in the future and economic impacts to industries.
- More technology to mitigate global warming will be funded.
- Increased walkability with density, transit.
- Need emphasis on alternative transportation options – get away from single occupancy cars.
- Gentrification along major corridors coastal flooding pushing more people inland.
- Auto centric focus of reconstruction will result in decline in mobility and access for residents and visitors.
- New population may not be educated or accepted and will form “second class” of citizens.
- Businesses will locate in areas where impacts caused by climate issues are lower.
- Developing of solar in the region and use of electric buses...
- Increase risk to Ports that lack resiliency.
- Longer trips since relocated population will need to live further out.
- If the population do re-treat inland, the beauty of living in Florida means you are rarely more than a couple hours from the coast; increasing mobility to and from there will encourage people to live and visit more centrally.
- Need more money invested for transit to accommodate less wealthy and to combat climate change.
- Could be a catalyst for creating a new basic sector focused on solar and wind power.
- Isolated nature of active transportation (i.e. walking and bicycling) may encourage choice as it relates to current public health threats.
- Homeless situation will become more acute.
- Reliance on sustainable energy.
- Increased construction costs.
- St Johns River will flood Sanford every king tide.
- Impacts on ports; impacts on freight distribution.
- Unfortunately, single occupancy vehicles are more popular as people seek to distance themselves from others; while this is a short-term problem, it nevertheless warrants thought.
- Threat of increases storm level across country.

8. How Plausible are these alternate futures (Not likely = 1, Very likely = 5)?

- Continuation of Current Trends – 3.7
- Global Expansion – 3.1
- Innovation & Technology – 3.6
- Climate Consequences – 3.5

9. How should the 2045 Plan best account for and incorporate these futures (Strongly disagree = 1, Strongly Agree = 5)?

- Identifying & Prioritizing Needs – 4.1
- Identifying Risks & Developing Mitigation Strategies – 4.4
- Identifying Future Research Needs – 3.5
- Identifying Potential Indicators to Monitor – 3.6
- Engaging Public & Private Partners – 3.8

10. What is missing from this discussion / not being considered that should be?

- Actual projects.
- Transportation funding; our standard funding source (fuel tax) is doomed.
- Impacts to the environment due to sprawl need to be highlighted.
- Impacts on traditional funding models.
- How to move public perceptions into the future.
- Feasible funding scenarios and projects.
- May have been covered but a focus on how we as a community can ensure we get the funding needed for improvement or ways to pursue funding.
- I reiterate the adverse impact of public health and safety concerns; single occupancy vehicles are viewed as safe by many; we need to address these concerns to move forward with other modes.
- Rather than assuming a global warming scenario, you should show how various scenarios can lessen global warming.
- In light of the current global conditions that impact our delicate local economy, need to further discuss in the future; different considerations possibly.
- Political support for any tough issue(s).
- Acknowledging uncertainty; probability of scenarios happening.
- How to public land use and cyber-security/technology policies impact all of the aforementioned considerations.
- Funding sources - will we finally provide a dedicated sources for transit?
- Just make sure proposed solutions are viable... E.g. increasing road capacity will not help congestion; other approaches needed.
- Equity is important.
- How can different scenarios make our society better in various ways....environmental, equity, housing, etc.
- Proliferation of urban sprawl.
- Land use design.
- Equity needs more emphasis.
- Rural communities.
- Health needs more emphasis.
- Cost of self-driving vehicles over time... more or less expensive for society and the individual.
- People get stuck with what currently exists; need more education on possibilities.