Charlotte Moves
Task Force
Agenda

► Brief Remarks/Introductions: Mayor Gantt/All

► Presentations
  ▪ Discussion of Task Force Charge: Taiwo Jaiyeoba/Mayor Gantt
  ▪ Charlotte Future 2040 Comprehensive Plan: Alysia Osborne
  ▪ Overview of City’s Strategic Mobility Plan: Ed McKinney
  ▪ Strategic Energy Action Plan: Sarah Hazel

► Comments and Questions: Task Force Members/Public

*Public can view meeting on Youtube, send comments to charlottemoves@charlottenc.gov and view material on https://charlottenc.gov/Mayor/Charlotte_Moves_Task_Force
Committee Charge

Primary Goals

- CIVIC ENGAGEMENT
- REVIEW EXISTING PLANS
- ASSESS MOBILITY NEEDS
- DETERMINE FUNDING NEEDS
- RECOMMEND MOBILITY NETWORK TO CITY COUNCIL
**Comprehensive Mobility Plan**

**PROVIDE HIGH-QUALITY OPTIONS:** People spend less time in traffic & more quality time with their families and in their communities.

**DELIVER EXCEPTIONAL TRAVEL EXPERIENCES:** All users of the system (transit, walk, bike and micro-mobility) have an integrated mobility network that goes where they want to go.

**FULFILL COMMUNITY GOALS:** Connect Charlotteans to housing and jobs, meeting community’s goals of affordable housing, upward mobility and workforce development.

Charlotte Planning, Design & Development Department

May 14, 2020
Charlotte Fast Facts

- Tree Canopy: 47%
- Miles of Creek and Streams: 840
- Miles of Sidewalk: 2,250
- Miles of Streets: 2,450
- Miles of Light rail, driving $3.1 billion in new development and 13,000 residential units: 19
- Miles of streetcar at completion, driving $400 million in investment along the corridor: 10

16th Largest City in the US
872,498 Population
+1 million Daytime Population
305 mi²

Breakdown of 56,802 New Residential Units (2010-2018)
- 71% multi-family
- 29% single family

Breakdown of 32 million sq ft of New Non-Residential Buildings (2010-2018)
- 6.1 million sq ft of educational/institutional/medical
- 9.4 million sq ft of office
- 5.3 million sq ft of retail
- 11 million sq ft of warehouse/industrial

Building Permits (2016 - July 2018)
- 1,000 = residential
- 1,000 = non-residential

With a Strong Economy and Workforce
- Jobs in Mecklenburg County (31% employment growth since 2010)
- Labor Force and unemployment rate of 3.8%
- 322,000 Employees commute to Charlotte everyday
- 6th Busiest airport in terms of operations, 10th in passenger travel
- 128 Freight train trips in Charlotte Region daily
- 38,000 Transportation and Warehouse employees in Mecklenburg County
- #1 Place to live and work for tech professionals, according to Comptaia’s 2018 Tech Town Index

We are Diverse, and Well Educated
- 58.1% People of Color
- 45.0% Bachelor’s Degree or Higher
- 34.4 Median Age
- 17.1% Foreign Born
- 53.2% Homeownership

Updated: May 30, 2019

Source: US Census Bureau, Bureau of Labor Statistics, Charlotte Chamber, City of Charlotte, Mecklenburg County, Airport Activity Reports
• **Guides our growth** over the next 20 years.

• **A shared vision** of our growth, development and capital investments

• **Transformative strategies** to accommodate growth
**PROJECT PHASES**

**Phase 1**
Winter 2018 to Spring 2019

- Our History & Existing Conditions

**Phase 2**
Summer 2019 to Fall 2019

- Community Vision & Values

**Phase 3**
Winter 2019 to Spring 2020

- Preferred Growth Scenario

**Phase 4**
Summer 2020 to Spring 2021

- Policies & Strategies

- Review & Adoption

**Ongoing**

- Implement, Monitor, & Update

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**WE ARE HERE**
CREATING GREAT PLACES FOR OUR COMMUNITY

OUR GOALS:

• Share project teams
• Leverage community engagement
• Use similar terms
• Seek connections in policies
• Coordinate plan schedules
A complete neighborhood provides residents safe and convenient access to a variety of housing, jobs, goods, services, and other essentials.
COMMUNITY ENGAGEMENT TO DATE

500,000+
Interactions

330+
Key Stakeholders

4,500+
Voices

20+
Methods of Engagement
FUTURE GROWTH STRATEGY: EMERGING THEMES

- Develop a hybrid of Connected Corridors and Neighborhood Nodes.
- Accommodate projected growth along our transit/transportation corridors.
- Allow varieties of housing types in neighborhoods around mixed-use activity centers.
- Create more walkable and bikeable communities.
AMBASSADORS & STRATEGIC ADVISORS: KEY THEMES

- Missing Middle, Housing Diversity and Affordable Housing
- Strong Support for **10-Minute Neighborhoods**
- Need for **Enhanced Mobility Options**
- More Meaningful Parks and Open Space
- Access to Jobs and Employment
UPCOMING ENGAGEMENT

Virtual Community Engagement
April – August 2020

• Ambassadors & Strategic Advisors Workshops
• #ImagineCLTchallenge - Tik Tok Challenge
• Virtual Scavenger Hunt
• Social Media Games & Quizzes
• Virtual Focus Group Chats
• Growing Better Places Game 2.0
• Chalk - the Walk
LOOK AHEAD

- Kick-off: Oct 2018
- 2040 Comprehensive Plan: Jan 2019, July 2020
- Draft Plan: Oct 2020
- Council Adoption: April 2021
- Unified Development Ordinance: Jan 2021, July

UDO Public Draft Review & Adoption
Where do we Grow?

How do we Grow?

How do we connect it?

Implementing the 2040 Plan

2040 Comprehensive Plan

Unified Development Ordinance

Strategic Mobility Plan
What:
Update of Transportation Action Plan

Why:
• Implement 2040 Plan
  We will update & align mobility plans & polices to prioritize & achieve expected outcomes of the 2040 Plan

• Integrate Policies
  We will integrate our plans & policies (Walk, Bike, Vision Zero, etc.) to identify & mediate conflicts, incorporate growing needs (transit), & answer emerging questions

• Set New Goals
  We will establish mobility metrics (e.g. shifting mode share), prioritize investment accordingly & measure progress
## Integrating Mobility Policies & Plans:

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<th>Pedestrian</th>
<th>Safety</th>
<th>Bike</th>
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<td><strong>Emerging Questions &amp; Opportunities</strong></td>
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Charlotte Strategic Mobility Plan
Set New Goals?

Mobility = Moving People… not just Cars

- We cannot build our way out of congestion
- We need to invest in other travel mode choices and polices

Travel Mode to Work

Charlotte Today

Drive Alone: 76.6%
- 3% Bike/Walk
- 3.5% Transit
- 6.3% Work from home
- 10.6% Carpool/shared mobility

All Other: 23.4%

Charlotte Future?

Grow mode share…
Charlotte Moves Task Force: Goals

ENGAGEMENT:
Conduct an extensive engagement with the community about the need for a robust mobility network.

EXISTING PLANS:
Analyze existing transit and transportation plans to determine their connectivity and adequacy.

ASSESSMENT:
Assess the public's appetite for a more efficient and sustainable mobility network.

FUNDING:
Determine funding needs and a mechanism for implementing the Strategic Mobility Plan.

RECOMMENDATION:
Recommend a catalytic network of projects and a funding strategy to the Charlotte City Council.

Strategic Mobility Plan: Key Outcomes

Phase 1

Modernized Policy Plan
• Expanded policies that implement the 2040 Plan, promotes informed decision-making and adapts to new innovations

Mode Conflict Resolution
• Identify project (mode) conflicts and tradeoffs and establish a transparent strategy for resolution and decision-making

Informed Capital Investment
• Projects and programs selected and prioritized based on achieving the goals and measures of the 2040 Plan
SEAP
STRATEGIC ENERGY ACTION PLAN
CITY of CHARLOTTE
The Sustainable and Resilient Charlotte by 2050 Resolution’s Goals:

1. Strive to become a low carbon city by 2050, with each person emitting less than 2 tons of CO$_2$e per year.

2. Strive to source 100% of energy use in municipal buildings and fleet from zero carbon sources by 2030.

3. Develop an Action Plan as a framework to achieve goals.
GOALS

• Strive to source 100% of municipal energy use in buildings and fleet from zero carbon sources by 2030

• Strive to become a low carbon city by 2050, emitting less than 2 tons of carbon dioxide equivalent per person

FOCUS AREAS

1. Buildings
2. Transportation
3. Energy Generation
4. Workforce Development & Equity

Read the full SEAP at charlottenc.gov/sustainability/seap
2015 GHG EMISSIONS BASELINE

- Road Transport: 36%
- Residential: 23%
- Services: 25%
- Industry/Construction: 6%
- Aviation: 4%
- Waste: 4%
- Fugitive: 2%

CITY of CHARLOTTE
5 STAGES TO ZERO CARBON ENERGY

1. Shift Energy Demand
   - Gaining control of when energy is consumed (energy demand) is a crucial step in gaining control of your energy use. With better control of energy demand, opportunities for zero carbon energy increase.

2. Reduce Energy Consumption
   - Reducing the amount of energy consumed reduces the need for energy generation. Any energy that is not used must be purchased, and it is more expensive to purchase energy than to generate it. This stage requires changing the type of energy consumed. Not merely moving from fossil fuels to zero carbon energy, this may be hydrogen or electricity/gas.

3. Generate Energy On-Site
   - The energy needs may be met entirely or partially on-site. The generation may be for heat only or for thermal, heat pumps or chillers (using an absorption chiller) and/or electricity (e.g., solar, P-V, wind, CHP).

4. Change the Energy Consumed
   - This stage requires changing the type of energy consumed. Not merely moving from fossil fuels to zero carbon energy, this may be hydrogen or electricity/gas. If electricity it does not need to be zero carbon, yet.

5. Purchase the Remainder
   - Any energy carbon energy that cannot be produced on-site should be purchased. Purchasing energy under long-term energy contracts is not a straightforward process. It is made easier and cheaper with better knowledge of your energy usage. The other steps will help in this process.

City of Charlotte Office of Sustainability
To reduce emissions from the transportation sector:

✓ Change how people move about
✓ Improve efficiency in vehicles
✓ Change the fuels that are being used
✓ Make the last mile of a person’s journey zero carbon
✓ Provide the new infrastructure required to support alternative modes of transportation
✓ Change the existing transportation infrastructure to support a range of transportation choices
Goal: Drive greater urban density, address issues of walkability, and improve the quality of life for the residents of Charlotte which helps reduce overall energy consumption and connects to key City strategies.
GHG COMPARED TO SINGLE OCCUPANCY VEHICLE

- 32% reduction on buses
- 62% reduction on light rail

Mobility investments advance Charlotte’s Strategic Energy Action Plan goals.
Transition City fleet to electric based on available technology and funding
  - Full transition of airport fleet, testing BEB on CATS routes, replacing light duty
Evaluate, align and maximize electric vehicle charging infrastructure investments to support electrification of our fleet and market transformation in our community

*Proposed Budget FY21
1M investment in electric vehicle infrastructure + 20 electric vehicles
COMMUNITY

We Need the Community to Hit the 2050 GOAL

Strive to become a low carbon city by 2050, emitting less than 2 tons of carbon dioxide equivalent per person.

Approximately 1,200 Charlotte community members came to the Government Center in November to hear Greta Thunberg speak on the global impacts of climate change.

SEAP External Content Group Members carry out initiatives in the community to make Charlotte a low carbon city.
Summary of Today

Tangible implementation plan that aligns with the goals of Charlotte Future 2040, SEAP and others, including the mission of the Charlotte Moves Task Force.

Guides how we grow, create and connect to great places from an all-encompassing perspective, including land use, development, and transportation.

Influences a broad range of City energy actions including transportation and mobility in order to achieve a low carbon future.

Strategic Mobility Plan
Adopted Plans

**Sustainability**
Strategic Energy Action Plan (2019)

**Transit**
(Silver Line, North Corridor Strategy, Pineville/Ballantyne Extension)

Transit Planning On-going:
- Silver Line Design
- Bus Priority Study
- North Corridor BRT
- Connect Beyond (Regional Transit Plan)

**Transportation**
Transportation Action Plan (2017)
Charlotte Walks
Charlotte Bikes

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**Timeline**

- **Charlotte Moves Task Force**
- **Strategic Mobility Plan**
- **Charlotte Future 2040 Plan**

- **Funding Strategy**
- **Implementation**

- 2020
- 2021
A Look Ahead

Drilling down into existing policies and programs...

June 23 Meeting - 6pm:
- 2030 Transit Plan
- Charlotte Walks
- Charlotte Bikes
- Capital Investment Plan
Questions