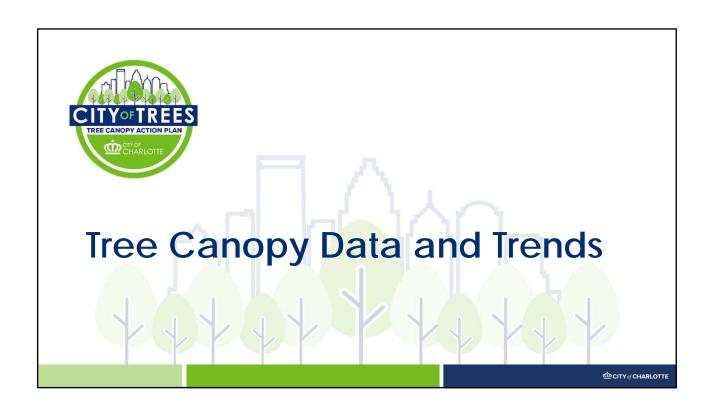
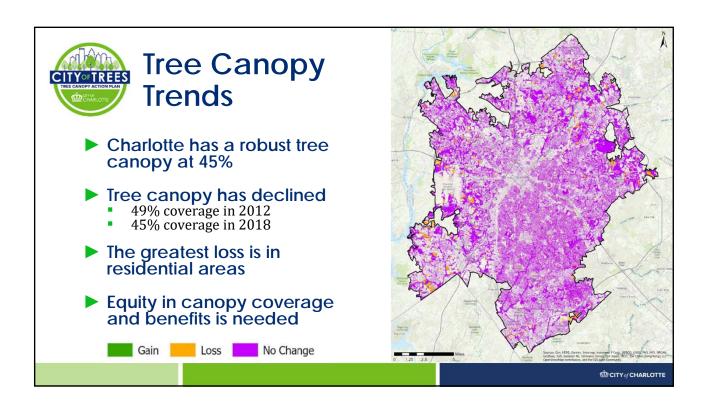


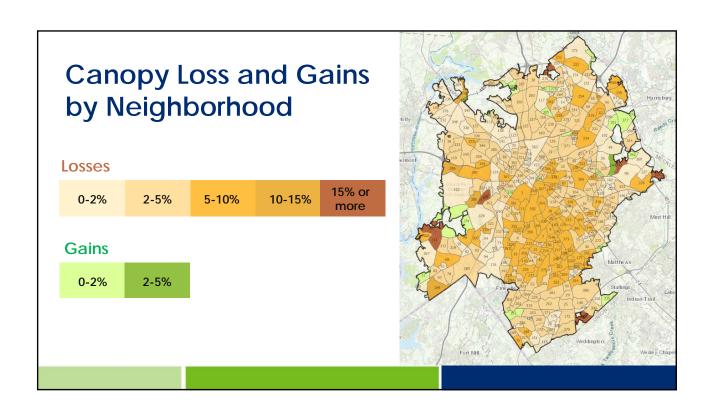


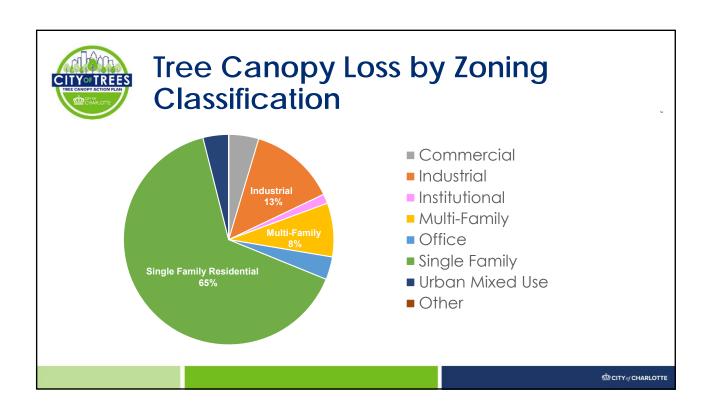
Key Deliverables

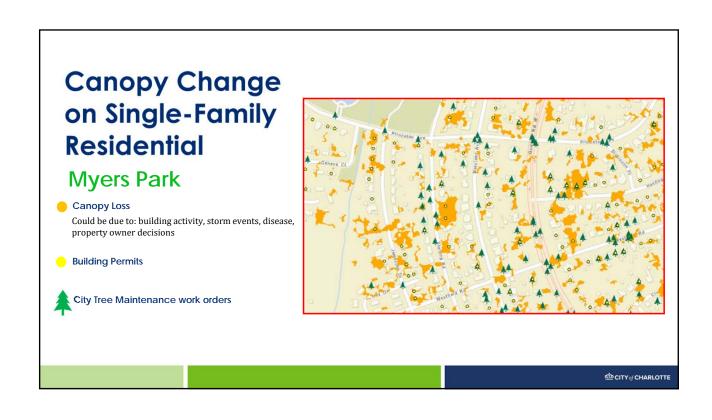
- Analysis and inventory of Charlotte's tree canopy
- ▶ Peer city analysis
- Community-driven tree canopy policy recommendations for Charlotte Future 2040
- ▶ Ordinance concepts for the UDO
- ► Final report summarizing recommendations











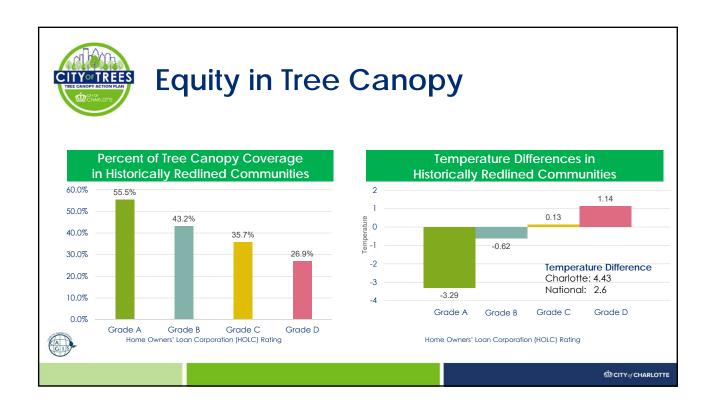






Table 1. Peer Cities and Comparison to Charlotte, NC City Charlotte Washington, DC Raleigh Austin Atlanta **Population** 885,708 510,175 1,003,615 506,811 705,749 Land Area (m²) 306 211 326 133 68 **Population Density** 2,894 3,079 10,379 2,418 3,810 (mi²)Sources: US Census Quick Facts; City of Austin, TX; City of Raleigh, NC

Cities selected with relatively similar size and plant growing zones

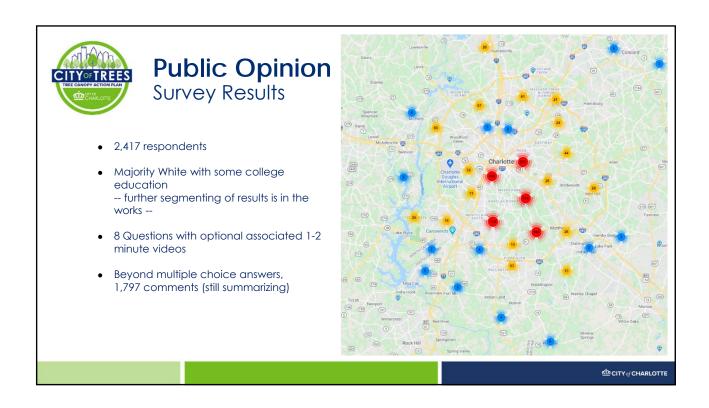


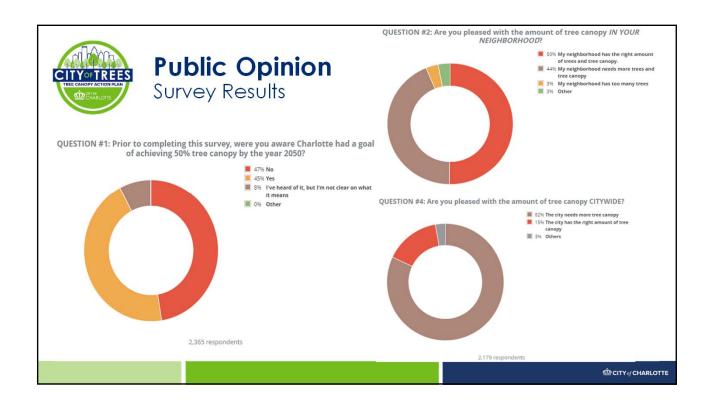
Peer City Take-Aways

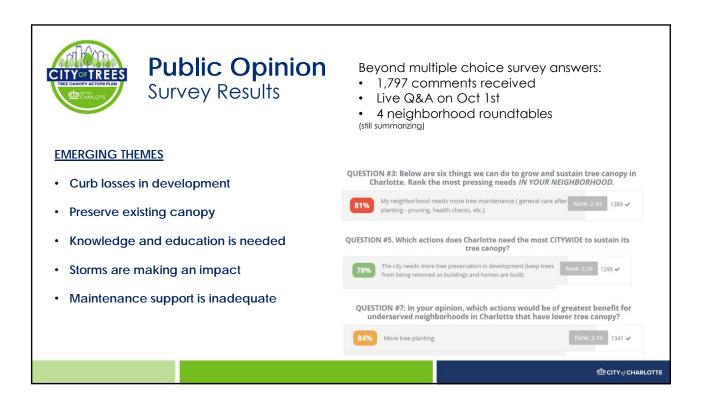
- Consider Fee Updates. Most cities have higher mitigation/in-lieu fees and charge them for impacts not regulated by Charlotte
- Assistance in Low Income Areas. Tree maintenance and replanting support in low income/low canopy neighborhoods is provided by some peer cities. Charlotte should expand these efforts (Large Tree Assistance Program pilot in 2018)
- ► Tree Protection Criteria. Many cities have thresholds for tree protection greater than Charlotte both in single family and in commercial areas

- ► Tree Save Flexibility. Explore flexibility in tree save in numerous high quality trees and/or forest patches exist and allow passive uses in urban areas
- ▶ Non-Profit Partnership/Volunteer Programs. Wholly separate advocacy groups have successfully pushed for more funding for proactive public care, as well as more stringent tree protection measures. Charlotte's tree canopy needs this kind of support













GOAL 1: All Charlotte households will have access to essential amenities, goods, and services within a comfortable, tree-shaded 10-minute walk, bike, or transit trip by 2040

Proposed Objective:

Ensure the most common 10-minute walk or bike routes are treeshaded and safe through the use of trees as barriers to encourage use and high quality of life

CITY of CHARLOTTE



DRAFT Tree Canopy Policies

Goal 7: Integrated Natural and Built Environment

GOAL 7: Charlotte will protect and enhance its surface water quality, tree canopy, and natural areas with a variety of trees, plantings, green infrastructure, green building practices, and open space at different scales throughout the entire community as a component of sustainable city infrastructure.

Proposed:

- ▶ <u>Decrease the acreage of tree canopy loss on residential property</u>
- ► <u>Fully fund a proactive care program and strategic tree planting program for private development in underserved areas or for affordable housing projects.</u>
- Remove tree save exemptions and provide for innovative and flexible mitigation measures for dense urban areas
- ► Protect trees of a certain health and size on public and private property through changes in regulatory and administrative practices, incentives and education



DRAFT Urban Forest Place Type Characteristics

Neighborhood 1 Place Type

Est. % of City land- 58%

Desired Urban Forest Characteristics (highlights):

- ▶ The majority of Charlotte's tree canopy is located here, primarily on private land, that is supplemented with a significant street and civic area tree population.
- All streets are designed for both car and pedestrian use, and are therefore significantly planted with trees (90% of all public and street planting sites will have trees.).
- Preservation of private land for tree canopy is a priority.
- Areas not built upon will provide for sustainable tree canopy cover growth and preservation.
- Tree canopy cover ranges from 50% 60%

NEIGHBORHOOD





A mix of single family residential and low density multi-family neighborhoods with detatched housing types as well as duplexes and triplexes. Other uses include civic and institutational uses and services like schools and parks.

CITY of CHARLOTTE



DRAFT Urban Forest Place Type Characteristics Est. % of City land- 2%

Regional Activity Center Place Type

Desired Urban Forest Characteristics (highlights):

- Tree canopy is made up of primarily street trees and along pedestrian paths to reduce heat stress.
- ▶ In on-street and off-street parking areas, design and construction criteria are such that there are sufficient trees planted to mitigate heat island effect and stormwater run-off. Greater use of innovative approaches such as pervious pavement and green infrastructure will be encouraged.
- ▶ Tree canopy cover ranges from 15% 25%. 90% of all public and street planting sites will have trees.

REGIONAL ACTIVITY CENTER





The largest centers of activity outside of Uptown, with a walkable and diverse mix of uses that serve the region. Buildings are mid to high-rise, tapering down towards the neighborhoods. They provide a mix of residential, office, retail, civic and open space uses.

AA [2]4 Tim should have the canopy percentage tables on hand to speak about what we have today and why we landed on each percentage range

Ausel, Andrew, 10/22/2020





UDO Early Ideas

Charlotte (and many other NC cities) have local acts allowing regulation of trees

- ▶ Tree Save requirements by place type
- ► Flexibility in Tree Save to focus on quality
- Expand bonus structure to include trees
- ▶ Allow amenities in all urban place types
- Update payment in lieu formula



Next Steps

- Continue stakeholder and community engagement on tree canopy policies
- ▶ Development ordinance concepts for UDO
- Expand partnership with UNCC to model and project canopy goals
- ▶ Update the Urban Forest Master Plan

