



City of High Point

Municipal Office Building
211 S. Hamilton Street
High Point, NC 27260

Meeting Agenda Special Called Meeting

*Cyril Jefferson, Mayor
Michael Holmes, Mayor Pro Tempore (Ward 6),
Britt W. Moore (At Large), Amanda Cook (At Large), Vickie M.
McKiver (Ward 1), Tyrone Johnson (Ward 2), Monica L. Peters
(Ward 3), Dr. Patrick Harman (Ward 4), and Tim Andrew (Ward 5)*

Tuesday, January 16, 2024

4:00 PM

3rd Floor Conference Room

CALL TO ORDER, ROLL CALL

ADOPTION OF AGENDA

PRESENTATION OF ITEMS

- [2024-018](#) Update - Washington Street Projects
Staff will provide an update regarding the Washington Street Projects.
Attachments: [Update - Washington Street Projects](#)
[Presentation- Update Washington Street Projects](#)
- [2024-019](#) Presentation-Electric Department
Staff will provide a presentation regarding and overview of the Electric Department.
Attachments: [Electric Department Agenda Memo](#)
[Presentation Electric Department](#)
- [2024-021](#) Closed Session-Attorney Client Privilege
Council is requested to go into Closed Session Pursuant to N.C. General Statute §143-318.11(a)(3) for Attorney-Client Privilege.

ADJOURNMENT



City of High Point

Municipal Office Building
211 S. Hamilton Street
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Master

File Number: 2024-018

File ID: 2024-018

Type: Miscellaneous Item

Status: To Be Introduced

Version: 1

Reference:

In Control: Special Called Meeting

File Created: 01/12/2024

File Name:

Final Action:

Title: Update - Washington Street Projects
Staff will provide an update regarding the Washington Street Projects.

Notes:

Sponsors:

Enactment Date:

Attachments: Update - Washington Street Projects, Presentation-Update Washington Street Projects

Enactment Number:

Contact Name:

Hearing Date:

Drafter Name: mary.brooks@highpointnc.gov

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
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CITY OF HIGH POINT
AGENDA ITEM



TITLE: Washington Street Updates	
FROM: Trevor Spencer, Engineering Director	MEETING DATE: January 16, 2024
PUBLIC HEARING: n/a	ADVERTISED DATE/BY: n/a
ATTACHMENTS: Presentation - Update Washington St.	

PURPOSE: City staff will provide an update on the current Washington Street Realignment project as well as provide additional information regarding the opportunity to underground utilities in the Washington Street Historic District.

BACKGROUND: n/a

BUDGET IMPACT: n/a

RECCOMENDATION/ACTION REQUESTED: None.





WASHINGTON STREET REALIGNMENT

PROJECT UPDATE - January 16, 2024



PROJECT BACKGROUND & PURPOSE

- Bond Project – Voter approved in 2019
- Safety-Driven
 - Washington St. from Day Place to Downing St. parallels a railroad cut slope that is becoming a safety hazard to the roadway and railroad
 - The project is shifting the roadway approximately 10 feet away from the slope to improve safety
 - After project is completed, NCRR will follow with a slope stabilization project
- Contract awarded to Baker Underground, Inc. by City Council on 8/7/23 for \$2.99M



SLOPE STABILIZATION

CURRENT SLOPE ISSUES ALONG WASHINGTON ST.

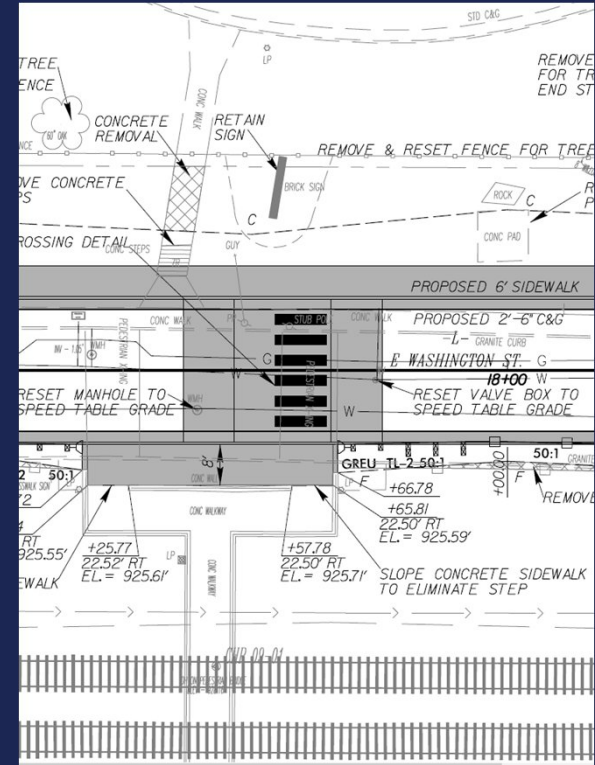


NCRR SLOPE STABILIZATION ALONG BROAD ST.



PROJECT SCOPE

- New asphalt roadway, curb and gutter, and sidewalk
- New water and sewer utilities
- New stormwater utilities
- New guardrail between roadway and railroad slope
- Raised pedestrian crosswalk
 - Located at pedestrian bridge connection across from Penn Griffin School



TRAFFIC CONTROL AND DETOUR

- To facilitate construction, a one-way, eastbound traffic pattern is in effect from Washington St. Park to Downing St. for the duration of the project
- Local traffic (school, residents, businesses) have continuous access
- Non-local traffic follows a detour using Hoskins Street, East MLK Jr. Drive, and North Centennial Street to bypass the construction project



PROJECT STATUS

ITEM	PERCENT COMPLETE
ELECTRIC UTILITIES RELOCATION	100%
WATER LINE CONSTRUCTION	90%
SEWER LINE CONSTRUCTION	50%
STORMWATER CONSTRUCTION	50%
CURB & GUTTER/SIDEWALK	25%

- Old utilities poles will be removed after private utilities relocate to new poles (in process)
- Current Completion Date – 6/10/24 (on track)

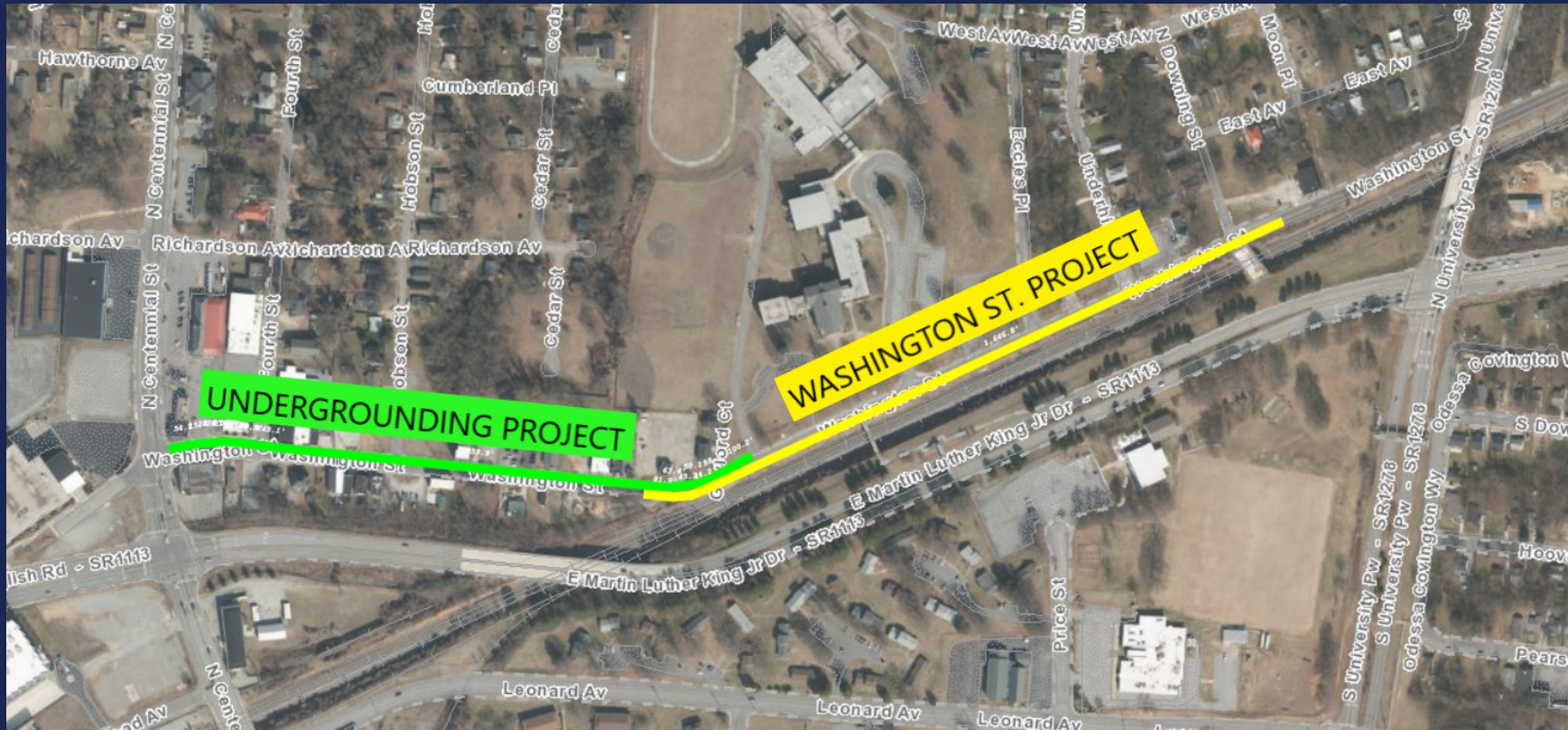


OPPORTUNITY TO UNDERGROUND UTILITIES IN HISTORIC DISTRICT

- The City is in early design stages for undergrounding utilities along the Washington St. Historic District
 - Cost estimate: \$4M
- Scope
 - Construct utility duct bank
 - Remove utility poles, keep decorative streetlights
 - Resurface Washington St. from Centennial to Day Place



PROJECT LIMITS



QUESTIONS?



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File ID: 2024-019

Type: Miscellaneous Item

Status: To Be Introduced

Version: 1

Reference:

In Control: Special Called Meeting

File Created: 01/12/2024

File Name:

Final Action:

Title: Presentation-Electric Department
Staff will provide a presentation regarding and overview of the Electric Department.

Notes:

Sponsors:

Enactment Date:

Attachments: Electric Department Agenda Memo, Presentation
Electric Department

Enactment Number:

Contact Name:

Hearing Date:

Drafter Name: mary.brooks@highpointnc.gov

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CITY OF HIGH POINT

AGENDA ITEM



TITLE: Information Item – Electric Department Overview	
FROM: Tyler Berrier, Electric Utilities Director	MEETING DATE: January 16, 2024
PUBLIC HEARING: n/a	ADVERTISED DATE/BY: n/a
ATTACHMENTS: Presentation-Electric Department	

PURPOSE: To present information about the Electric Utilities Department.

BACKGROUND: Present an overview of the Electric Utilities Department to the City Council.

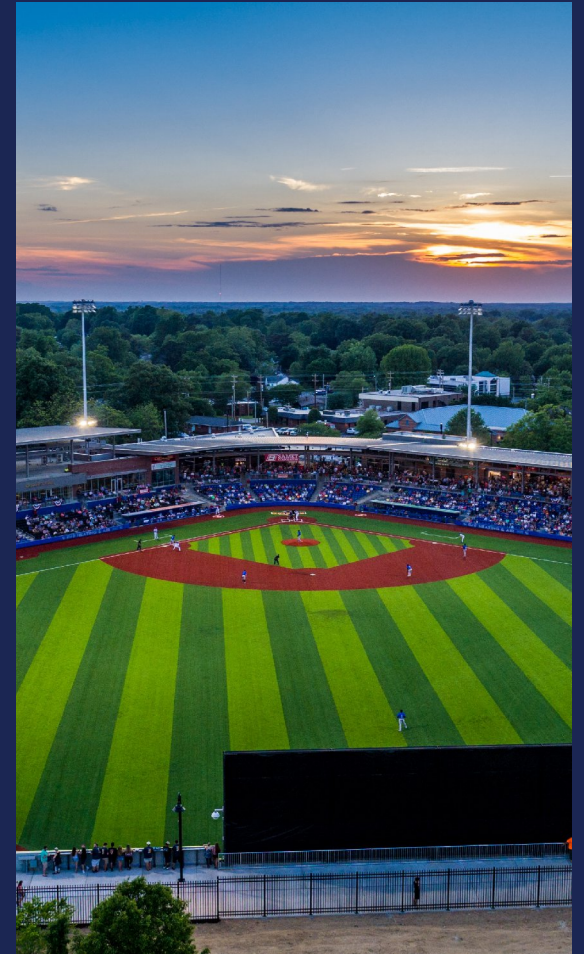
BUDGET IMPACT: n/a

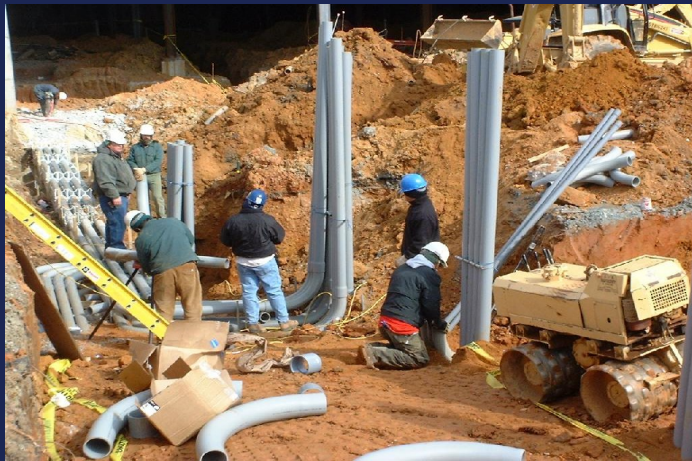
RECCOMENDATION/ACTION REQUESTED: There is no action recommended/requested. This item is for information only.

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HIGH POINT ELECTRIC

Energy for Our Community





Quick Facts

- Electric Budget is approximately \$135 million
- Wholesale power cost is about 67% of the budget
- We operate 14 substations with 402 miles of overhead lines, 386 miles of underground lines and 48 miles of 100kV transmission.
- 43,490 customers
- 72 full time employees

TIMELINE OF PUBLIC POWER IN NC

- 1889 – Statesville turns on the lights
- 1893 – High Point gets into the Electric Business
- 1904 – Duke Power started as Catawba Power Company
- 1930 – 80 cities are in the Electric Business
- 1937 – Rural Electrification Act passes
- 1965 – Cities form ElectriCities
- 1977 – Voters approve city ownership of generation
- 1983 – NC power agencies formed
- Today – Over 90 cities are still in the Electric Business

HIGH POINT SYSTEM

1893

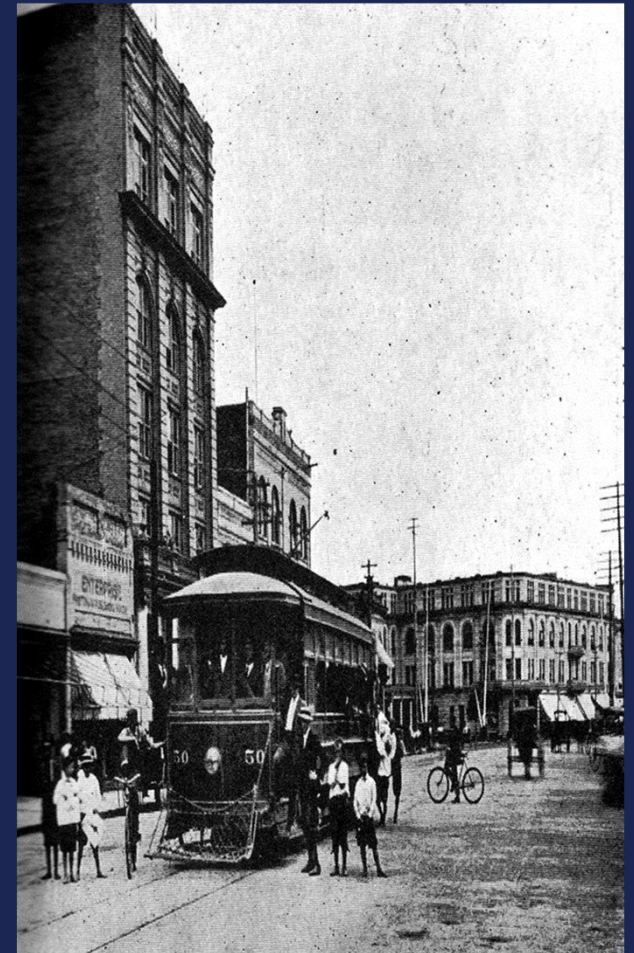
- Power for 40 streetlights
- High Point was the first city in North Carolina to provide free street lighting

1902

- High Point installs electric streetcar system
- 3 years later; \$150,000 in bonds sold to construct “electric road” for trolley service to Greensboro

Growth – Past 124 Years

- 1893 electric demand was 50 kW
- 2007 new record electric demand of 280,000 kW during a string of 100+ degree days
- 2023 electric demand peak was 248,000 kW in July



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● ● ● ADVANTAGES OF OWNING OUR OWN SYSTEM

- Local ownership
- Local control of operating policies
- Local control of pricing
- Local customer service center
- Electric system within service area relatively “compact”
- Repair crews do not have unreasonable distances to travel to customers
- We “know” our customers well
- We can concentrate on reliability of electric service within our community

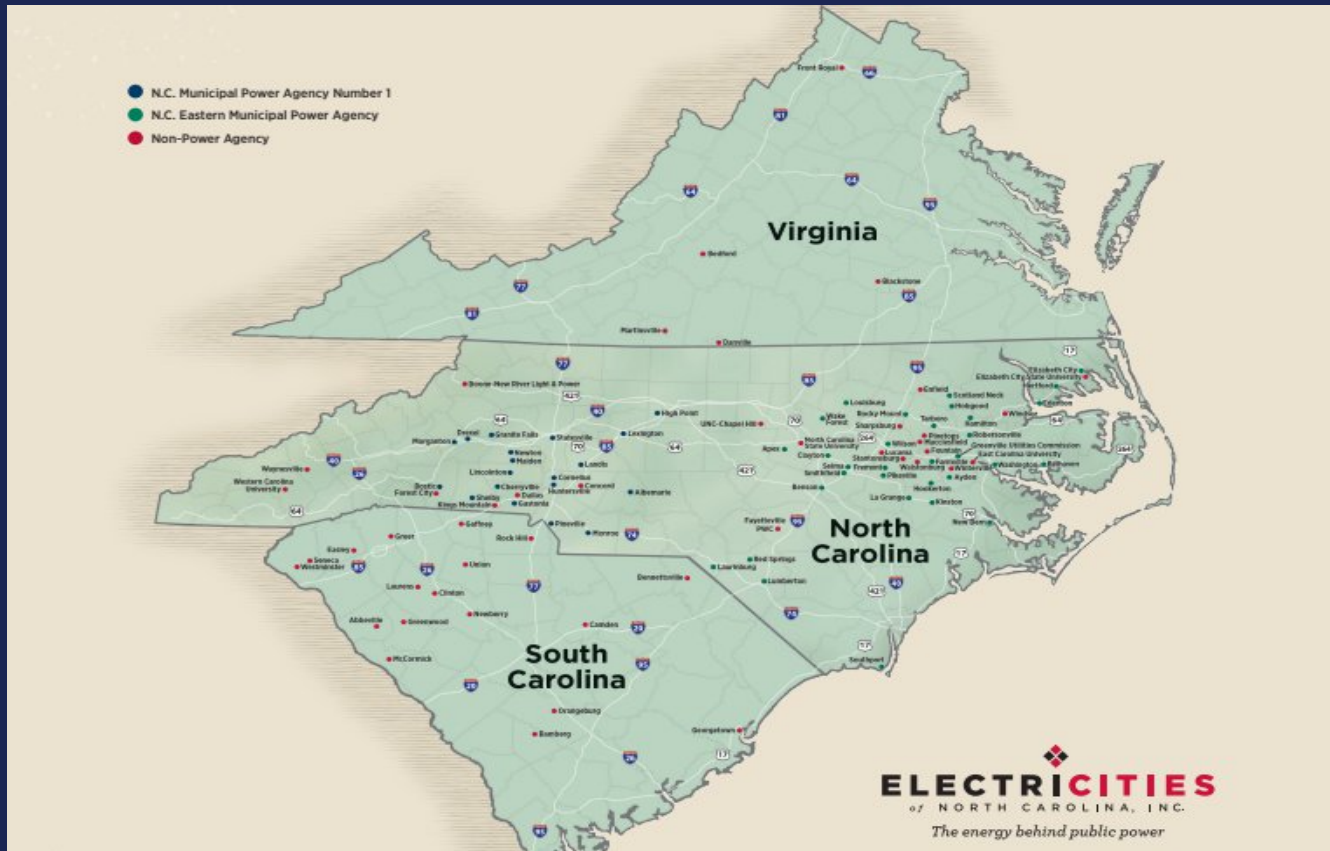


ELECTRICITIES

of NORTH CAROLINA, INC.

- Formed in 1965 by North Carolina's public power communities to protect their service areas from other power providers, and to serve as a unified legislative advocate for municipally-owned electric systems.
- Membership includes public power communities in North Carolina, South Carolina, and Virginia
- Its purpose is to deliver value to public power communities through collective strength, wisdom, and action, while promoting a successful future for our citizens

ELECTRICITIES MEMBERSHIP MAP





ELECTRICITIES ASSET SALE

- Agreement to sell 150 MW of excess power capacity to Central Electric Power Cooperative approved in 2023
- Transfers 18% of cost of power plant operation to Central and right sizes the power supply portfolio
- Anticipated to reduce wholesale power cost by 15%



ELECTRIC RATE STABILIZATION FUND

- Created in 2015 to set aside excess funds to mitigate future rate increases
- Funded by the excess revenue generated between current rates and wholesale purchased electric power costs
- If wholesale power costs are estimated to exceed generated revenue, the reserve funds are to rate increases
- The current balance of the rate stabilization fund is \$41.7 million

WHERE IT BEGINS

- Catawba Nuclear Power Plant



CATAWBA TO HIGH POINT

- Energy leaves Catawba traveling along 100 kV lines and is sent north to four metering points in the City of High Point



West End



A photograph of an electrical substation. In the foreground, there is a chain-link fence. Behind the fence, the substation equipment is visible, including metal structures, insulators, and power lines. The sky is clear and blue. The word "North" is overlaid in white text in the center of the image.

North



Jackson Lake



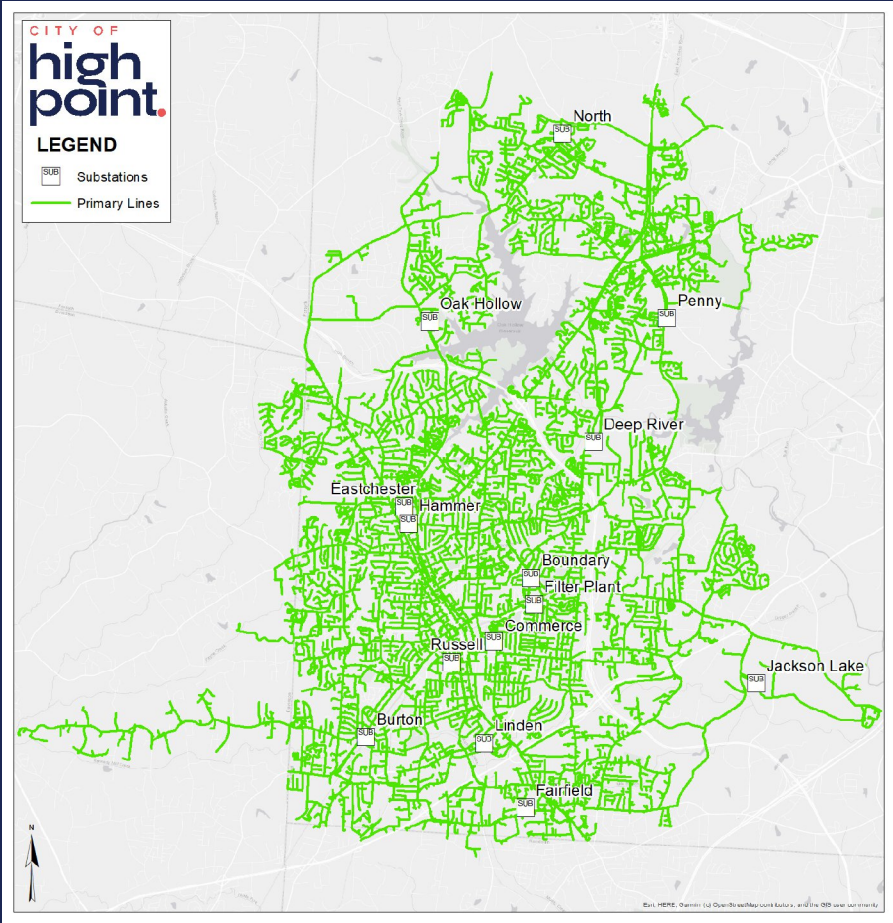
McCaslin

METER POINTS TO SUBSTATIONS

- Power flows from the four Metering Stations to each distribution station at 100 kV
- Power is distributed at 12,470 volts



CITY OF HIGH POINT POWER GRID



EASTCHESTER SUBSTATION

- The City of High Point's Largest Substation serves approximately 7,500 customers



HAMMER SUBSTATION

- Our newest substation



ELECTRIC DEPARTMENT DIVISIONS



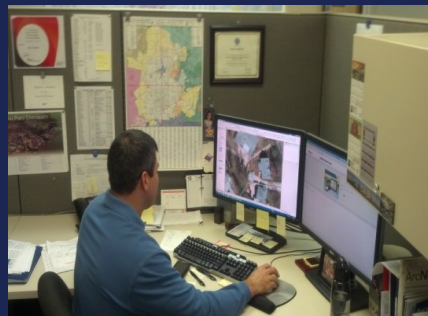
Overhead
Underground



Service



Substations
Metering



Engineering



TREE MAINTENANCE

- Ongoing everyday maintenance is needed to prevent outages
- This is not popular with our citizens, but is a necessary part of being an electric provider



TREE TRIMMING – WHY

- To prevent unsafe conditions
 - Public
 - Customers
 - Employees
- To maintain reliable service
- The city contracts Asplundh Tree Company and Burford Tree
- Crews are supervised by a full time City employee who also coordinates trimming activities with customers
- We actually make every effort to talk to each customer prior to cutting, unlike our competitors



CAUSES OF POWER OUTAGES

- Weather-Related Outages
 - Ice
 - Wind, Tornadoes, and Hurricanes
 - Rain and Flooding
- Other Causes of Outages
 - Vehicle and Construction Accidents
 - Animals



EMERGENCY ASSISTANCE PROGRAM

- The program works by dispatching crews from cities that have not been impacted by the storm or have already restored most of their outages, to cities that need extra help
- Out-of-state municipal crews and contractors are also placed on standby to respond



EMERGENCY ASSISTANCE PROGRAM



Chattanooga, TN
2010



New Bern, NC
2019



Leesburg, Vero & Daytona Beach, FL
2004



Albemarle, NC
Knoxville, TN
2013



Freeport, NY
2012



2023



TOP TEN ELECTRIC CUSTOMERS

- High Point University
- C&D High Point, LLC
- High Point Regional Hospital
- Guilford County Schools
- KAO Specialties Americas, LLC
- HPC MAB WS Disposal
- Fitesa High Point, Inc.
- Patheon Softgels, Inc.
- Thomas Built Buses

CAPITAL IMPROVEMENT PLAN

- \$9-10 million per year
- AMI
- Area Outdoor Lighting
- Street Lighting
- Downtown Underground
- Substation Renovations
- Overhead to Underground Conversions
- 100 kV Transmission Lines
- Electric Operations Facility
- Utility Relocations
- UG Cable Replacement





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ELECTRIC
UTILITIES

HighPointNC.gov/Electric

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