



Wake County and City of Raleigh Fire Service Delivery Opportunity for Wake New Hope Fire Station 1 District

Agenda

- Wake New Hope Fire Department History
- New Hope Station 1 Current Coverage
- Past County Fire Protection Studies
- North Carolina Department of Insurance Rules
- Supporting Data
- New Coverage July 1, 2022



Wake New Hope Fire Department History

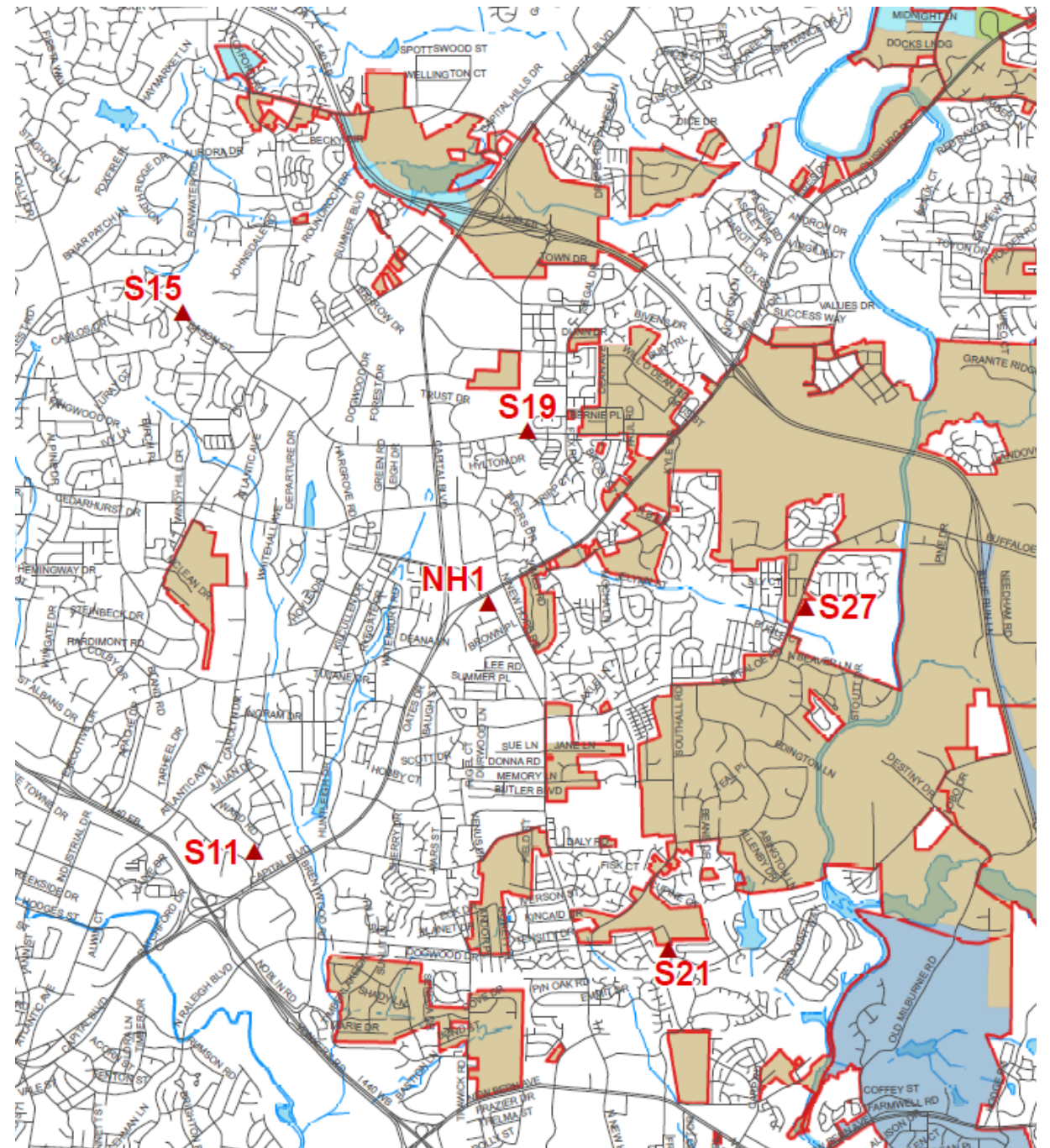
- Wake New Hope Fire Department was started in 1956
- Wake New Hope Station 1 at 4415 St. James Church Road Fire Station opened and began service in 1958



Wake New Hope Fire Department Current Coverage

- Wake New Hope Fire Department Fire Station 1 service area has changed dramatically from the 1960s through 2022
- Most of this area has been annexed by the City of Raleigh, leaving small pockets of unincorporated areas of land and homes
- Less than 5 square miles remain for New Hope Station 1 to cover

Areas in white are City of Raleigh
Areas in tan are Wake New Hope county areas



Past Studies: 1994 Tri Data Study – Page 10

Executive Summary

The cities of Raleigh and Cary should be encouraged to expand their service delivery areas for fire protection and other emergency services to include all of the surrounding unincorporated areas where their municipal career fire departments can respond most quickly. This would form a band around the two cities to encompass all of the fragmented areas that have been created by annexations. The main objective of this plan would be to provide the primary emergency response to these areas from the closest available fire station(s). If a single fire district plan is not adopted, the unincorporated areas that would be served by the two major fire departments should be consolidated as two fire districts; an expansion of the Raleigh Suburban Fire District and a new Cary Suburban Fire District.

Past Studies:

2003 Tri-Data

Fire/EMS Station

Study – Page 8

Executive

Summary

Recommendation	Implementation Timeframe	Consideration	Type of Action
Relocate HSDPS Station 2 to 10200 block of Holly Springs Road	Complete relocation by end of FY 2004	Construction of HSDPS Station 2 is underway. This relocation will occur upon completion of the station sometime in 2004.	Relocation
Initiate closure process for Falls Station 1	Begin detailed closure analysis and transition process in FY 2005	Replace fire service from Falls Station 1 with fire service from City of Raleigh. Initiate contract negotiations with City of Raleigh.	Station closure; replace service by contract.
Initiate closure process for WWFD Station 1	Begin detailed closure analysis and transition process in FY 2005	Replace fire service from WWFD Station 1 with fire service from City of Raleigh. Initiate contract negotiations with City of Raleigh.	Station closure; replace service by contract.
Initiate closure process for WWFD Station 2	Begin detailed closure analysis and transition process in FY 2005	Replace fire service from WWFD Station 2 with fire service from Town of Cary. Initiate contract negotiations with Town of Cary.	Station closure; replace service by contract.
Initiate closure process for W-NHFD Station 1	Begin detailed closure analysis and transition process in FY 2005	Replace fire service from W-NHFD Station 1 with fire service from City of Raleigh. Initiate contract negotiations with City of Raleigh.	Station closure; replace service by contract.
Initiate closure process for EWFD Station 2	Begin detailed closure analysis and transition process in FY 2005	Replace fire service from EWFD Station 2 with fire service from Town of Knightdale. Initiate contract negotiations with Town of Knightdale.	Station closure; replace service by contract.
Initiate closure process for Bayleaf Station 3 (as a fire station)	Begin detailed closure analysis and transition process in FY 2005	Its service areas are donut holes within Raleigh. Replace with fire service contracted with City of Raleigh. (We recommend continuing to use the station as an EMS station.)	Station-use change: replace fire service by contract; use for EMS.
Initiate closure	Begin detailed	Replace fire service from MFD	Station closure;

Past Studies: 2017 ESCI/Wake County Staffing and Deployment Study

2017 Staffing and Deployment Study

Continue to work with the City of Raleigh to address “donut hole” response areas and pursue closures of under utilized stations.

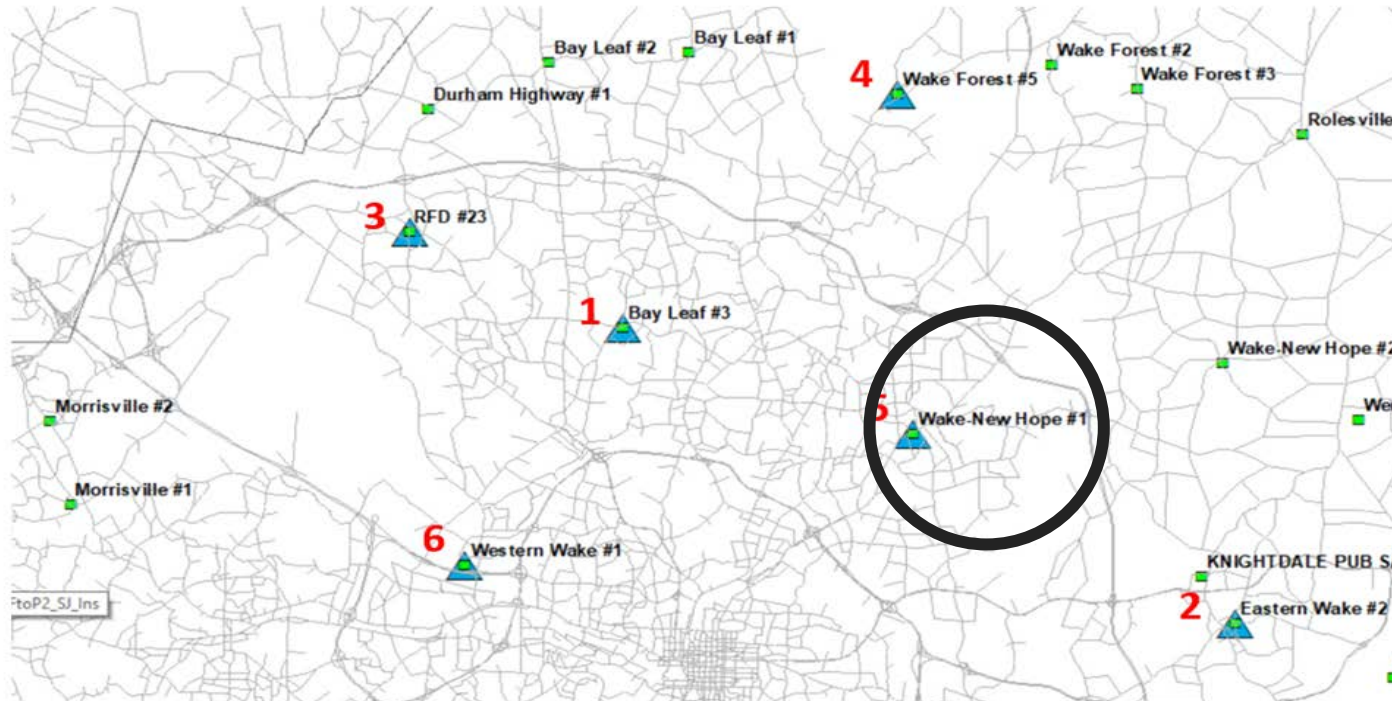


Recommendation 7

Past Studies: 2021 Long Range Plan Standards and Guiding Principles

NC STATE UNIVERSITY

Station Closure Results



Consider supplemental documents such as Community Engagement Study, IRTE/ORED Documents as well as older applicable studies in future decision-making opportunities regarding Stations and Staffing.

Proposed Area: By the Numbers

- 1,224 occupied units
- Population of 3,280
- 4.69 square miles
- Property value estimated at \$489,804,789
- 247 Fire/EMS calls in calendar year 2020
- Five Raleigh Fire Department stations within five miles

Current Service Delivery Model

Response for all areas within unincorporated Wake County is based on closest available unit with response rules built into the CAD (4 minutes 30 second rule for travel times into and outside of Raleigh municipal limits)



- Example – 5808 Dean Drive is an address in the unincorporated area of Wake County in one of the “donut holes”
 - GIS Travel Time Modeling shows that Raleigh E19 can be there within 1.31 minutes and Wake New Hope E1 would take 3.91 minutes.
- Exceptions to the CAD rules – structure fires, cardiac events and vehicle accidents with severe injuries – a 30 second rule is applied.

Obstacles

- Unknown ISO implications for Raleigh
- Pride and tradition of existing departments



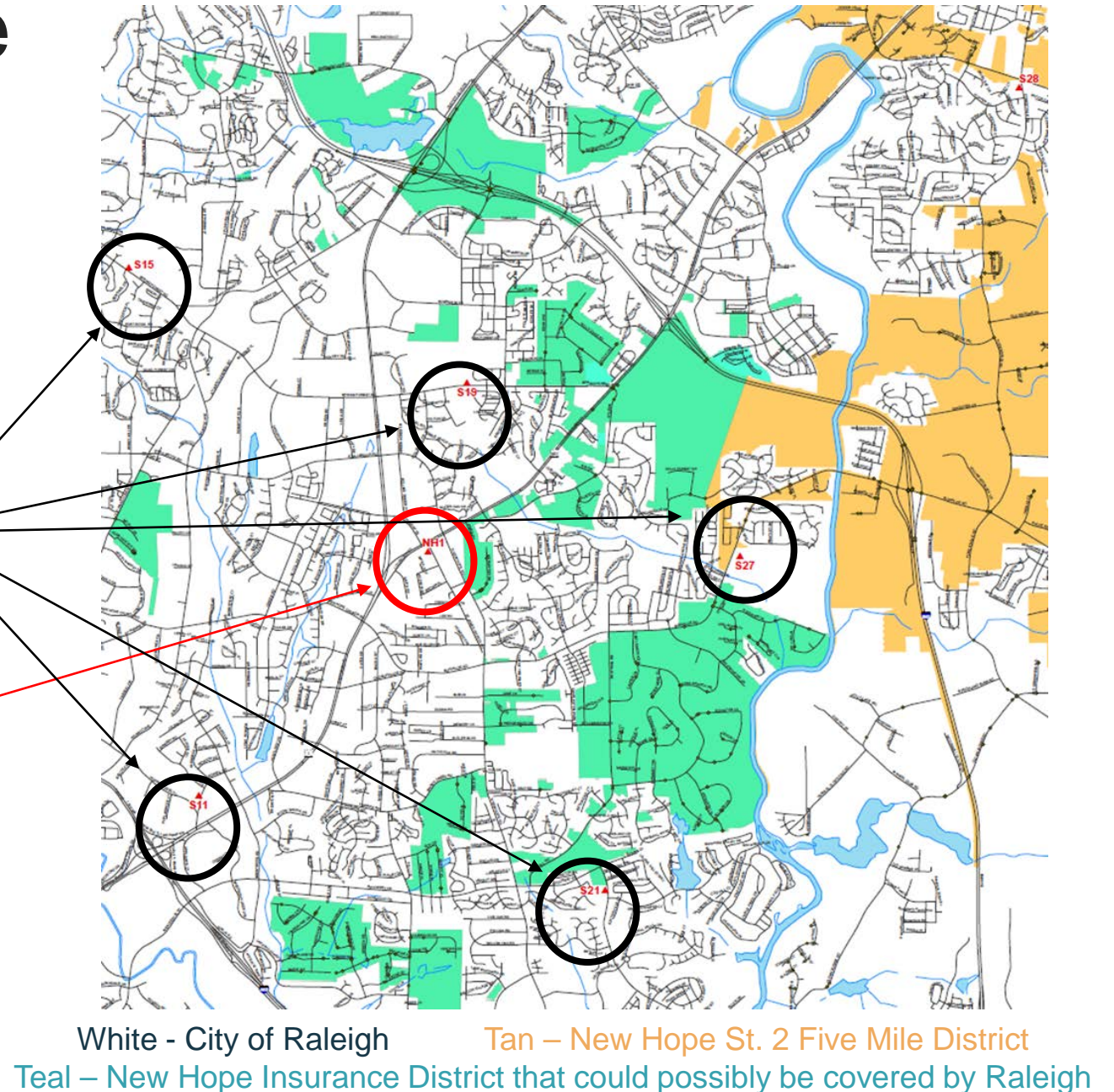
New ruling from the NC Department of Insurance



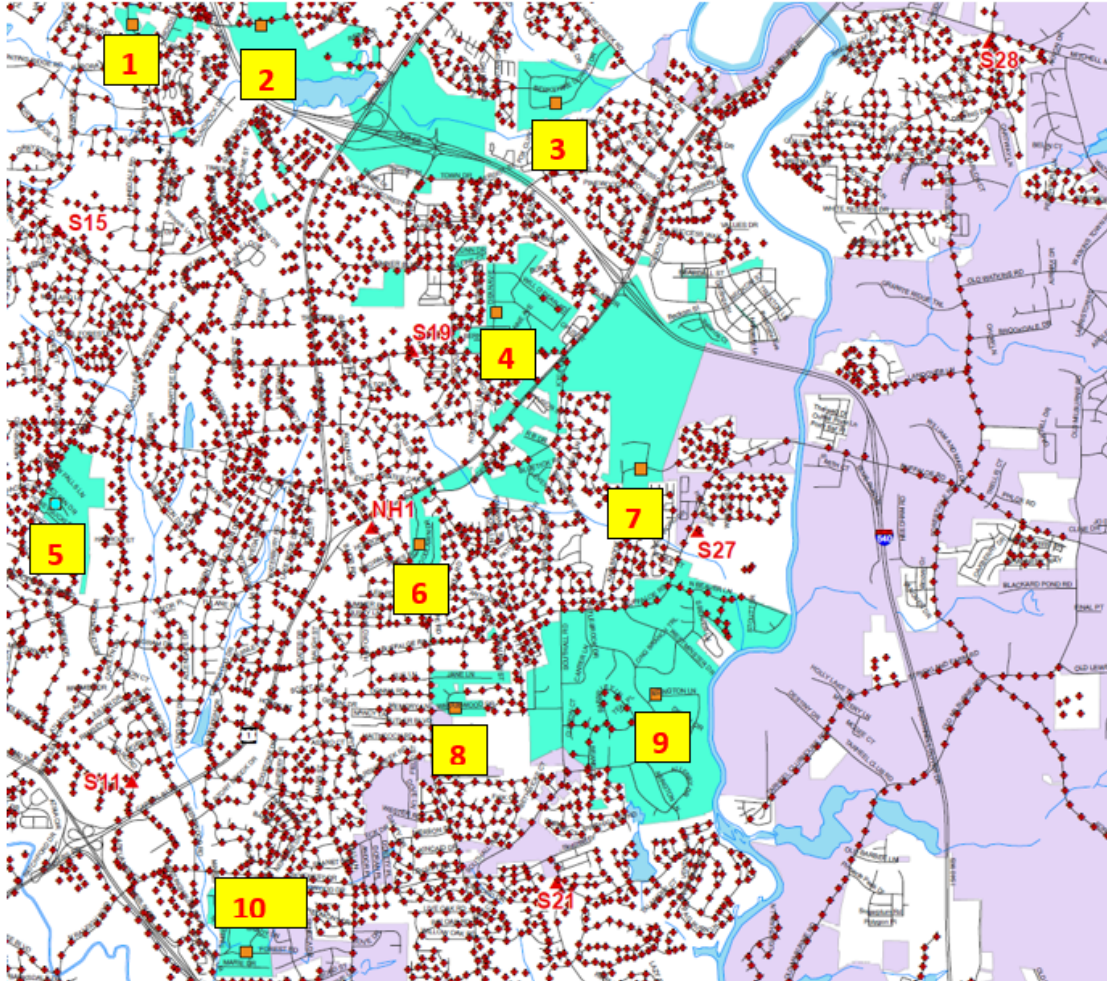
If a Fire Departments primary fire district has an area **over** five miles from their station or stations but the neighboring fire district has a fire station within five miles of that same area, then automatic aid for station location for that area can be applied. By applying this automatic aid area, the property owners will then receive the primary fire districts five-mile district rating.

Removes one obstacle

- Raleigh covering county district within five miles of their stations under auto aid does not affect their ISO grade
- New Hope Station 1



Better service delivery option for residents



# on Map	Address	Raleigh Station Travel	New Hope 1 Travel
1	7708 Litchford Rd	St15 – 3.14 mins	6.65 mins
2	3000 Gresham Lake Rd	St15 – 4.22 mins	6.73 mins
3	7337 Berkshire Downs	St25 – 4.22mins	7.09 mins
4	5808 Dean Ave	St19 – 1.31 mins	3.91 mins
5	1626 McLean Dr	St15 – 3.38 mins	4.93 mins
6	4224 James Rd	St19 – 2.92 mins	1.34 mins
7	5004 Holly Ridge Farm Rd	St27 – 2.17 mins	6.89 mins
8	4209 Wedgewood Dr	St21 – 3.32 mins	2.80 mins
9	5305 Edington Ln	St27- 2.81 mins	4.81 mins
10	3209 Timberlake Dr	St11 – 3.74 mins	6.81 mins

Proposed Service Delivery Model

Raleigh Fire Department response plans would apply to area within the Wake New Hope Fire Insurance District that are outside of 5 road miles from Wake New Hope Station 2



- Example – 5808 Dean Drive is an address in the unincorporated area of Wake County in one of the “donut holes”
- GIS Travel Time Modeling shows that Raleigh E19 can be there within 1.31 minutes and Wake New Hope E1 would take 3.91 minutes.
- On structure fire related calls, the Raleigh Fire Response Plan would also get a Wake New Hope Engine & County Tanker Response

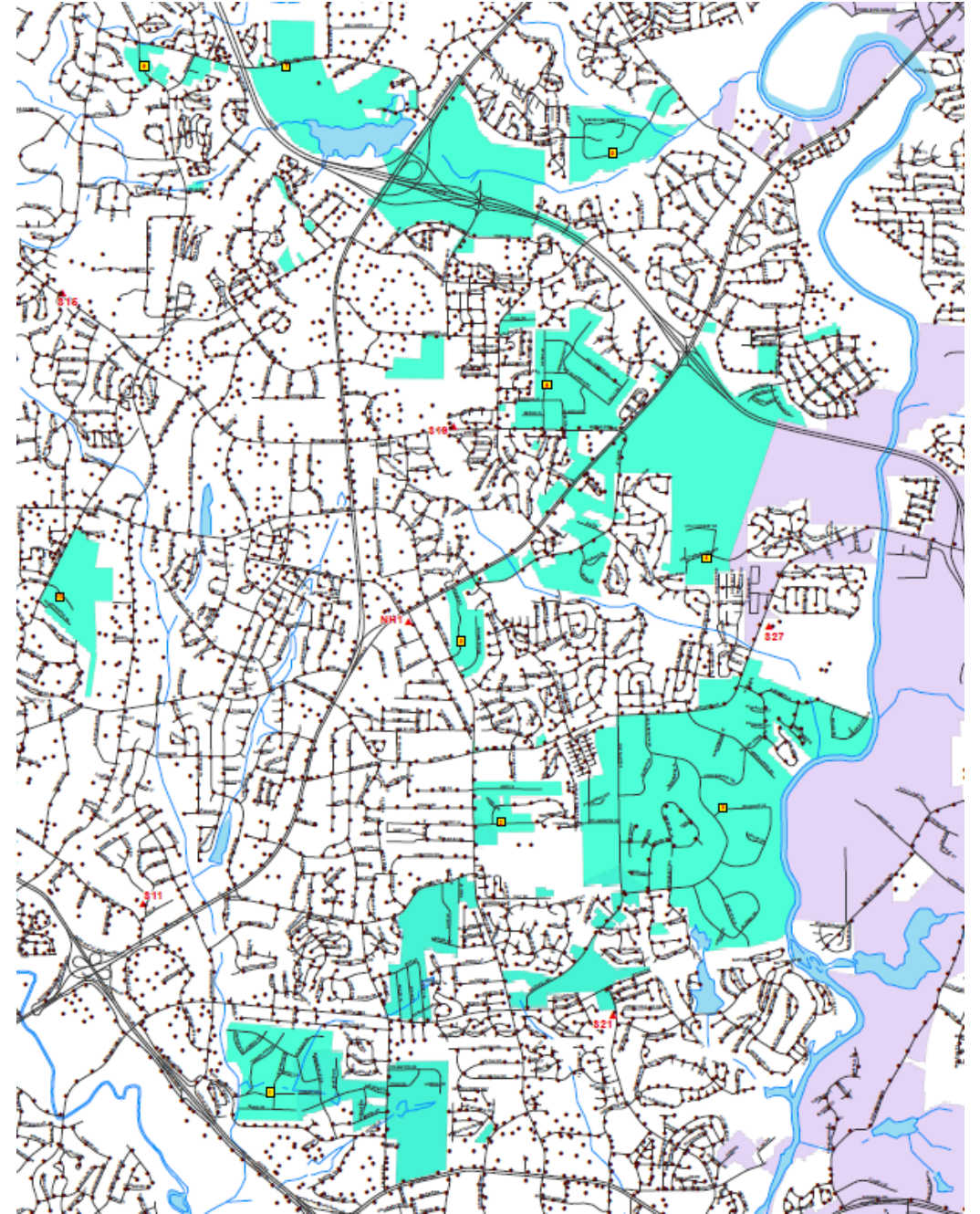
New Partnership

Wake New Hope Fire Department and its Board of Directors clearly see the citizen benefit of Raleigh Fire Department covering these areas. Wake County, Wake New Hope Fire Department and the City of Raleigh have collaborated to remove barriers in order to make this successful



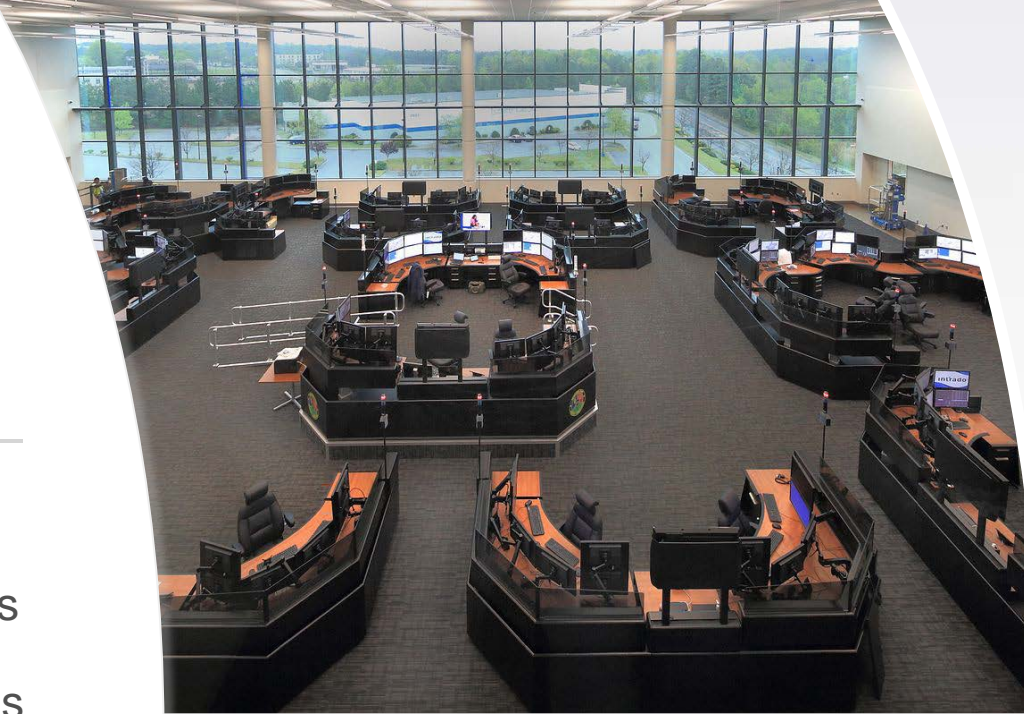
Proposal

- Multi-year North Carolina Department of Insurance-approved auto aid agreement for Fire and EMS service delivery
- Areas that are more than five miles from Wake New Hope Station 2 will receive a City of Raleigh Fire Department response
- Service transfers on July 1, 2022
- Current Wake New Hope Fire Department personnel resources will be moved to Station 2



Testing

- On or near June 1, 2022, we will begin testing of the new Raleigh response plans for the district to ensure a smooth transition of services on July 1.



Summary



- Complete a Service Level Auto Aid Agreement between the City of Raleigh, Wake County and Wake New Hope Fire Department for Fire/EMS services in existing Wake New Hope Fire Departments district more than five miles from existing Station 2
- Proposed start date of July 1, 2022
- This does NOT make residents within this area City of Raleigh taxpayers
- The reallocation of resources to Wake New Hope Station 2 will strengthen Wake County's overall response plan for eastern Wake County

Facility Closure Considerations

Wake New Hope Station 1

- Is it a better service for the citizens? YES
- Is the service delivery equal or better? YES
- Is the cost to provide the service less or near the same? YES



Questions?