WFD
Station 17
Pilot Program

Wichita Fire Department

December 7, 2020

Guiding Principles

- *Station 17 Current and Past Alarm Data*

- *Operational Effectiveness and Taxpayer Equity*

- *Public Safety System- County wide*

  - *Core Function*

- *Pending Data Upgrade*
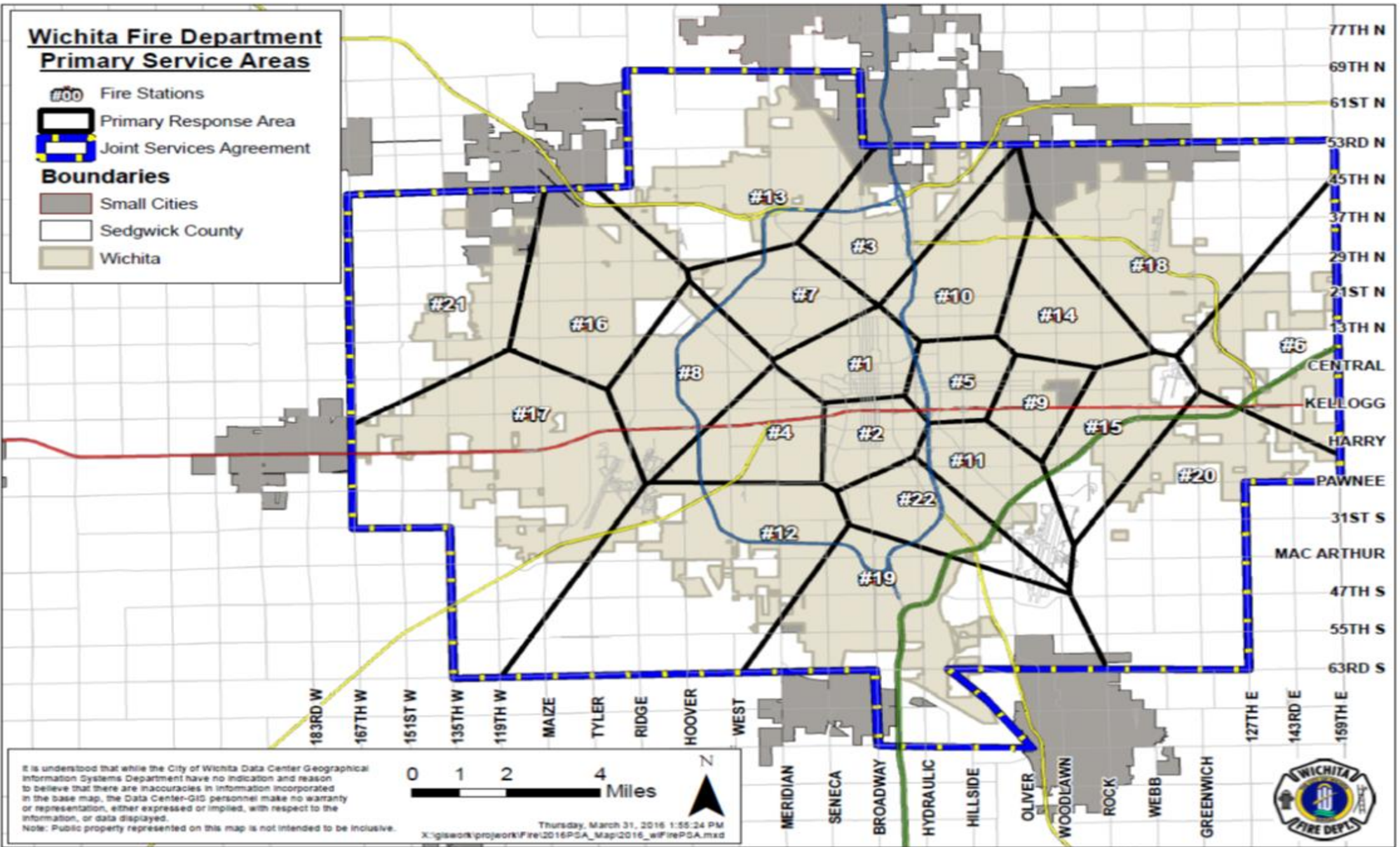
Station 17 Primary Response Area

- Station 17 primary response area: 27.87mi²

- Average 5.6 alarms per day (2019)

- Average response time in Station 17's primary response area approximately 6.13 minutes

Wichita Fire Department Primary Service Areas

Legend:
- #00 Fire Stations
- Primary Response Area
- Joint Services Agreement

Boundaries
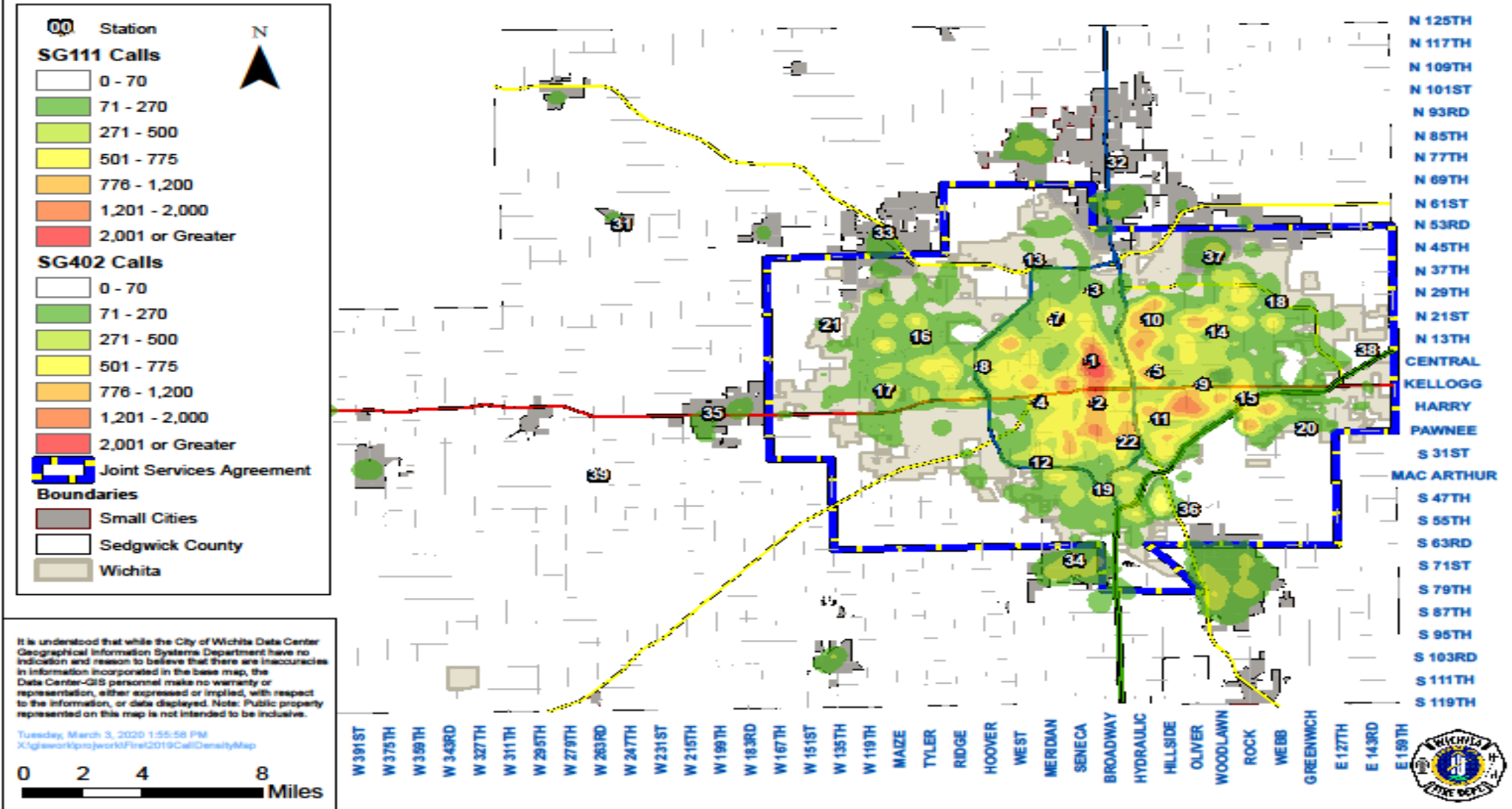- Small Cities
- Sedgwick County
- Wichita

It is understood that while the City of Wichita Data Center Geographical Information Systems Department have no indication and reason to believe that there are inaccuracies in information incorporated in the base map, the Data Center-GIS personnel make no warranty or representation, either expressed or implied, with respect to the information, or data displayed.
Note: Public property represented on this map is not intended to be inclusive.

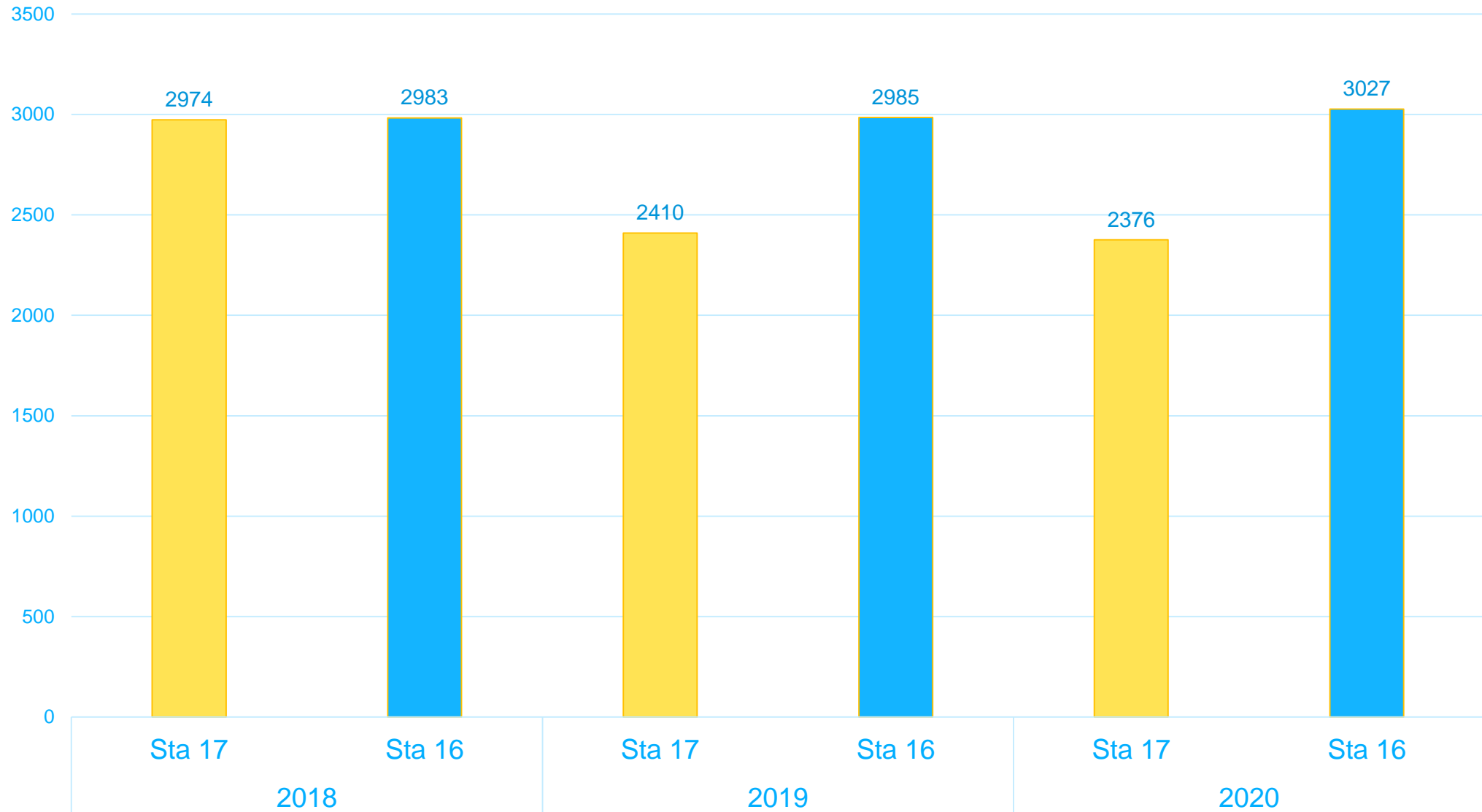Thursday, March 31, 2016 1:55:24 PM
X:\giswork\projwork\Fire\2016PSA_Map\2016_wlFirePSA.mxd

0 1 2 4 Miles

N

Station areas: #13, #3, #7, #10, #18, #21, #16, #8, #1, #14, #6, #5, #9, #17, #4, #2, #11, #15, #20, #22, #12, #19

Street labels (north to south, east side): 77TH N, 69TH N, 61ST N, 53RD N, 45TH N, 37TH N, 29TH N, 21ST N, 13TH N, CENTRAL, KELLOGG, HARRY, PAWNEE, 31ST S, MAC ARTHUR, 47TH S, 55TH S, 63RD S

Street labels (west to east, bottom): 183RD W, 167TH W, 151ST W, 135TH W, 119TH W, MAIZE, TYLER, RIDGE, HOOVER, WEST, MERIDIAN, SENECA, BROADWAY, HYDRAULIC, HILLSIDE, OLIVER, WOODLAWN, ROCK, WEBB, GREENWICH, 127TH E, 143RD E, 159TH E
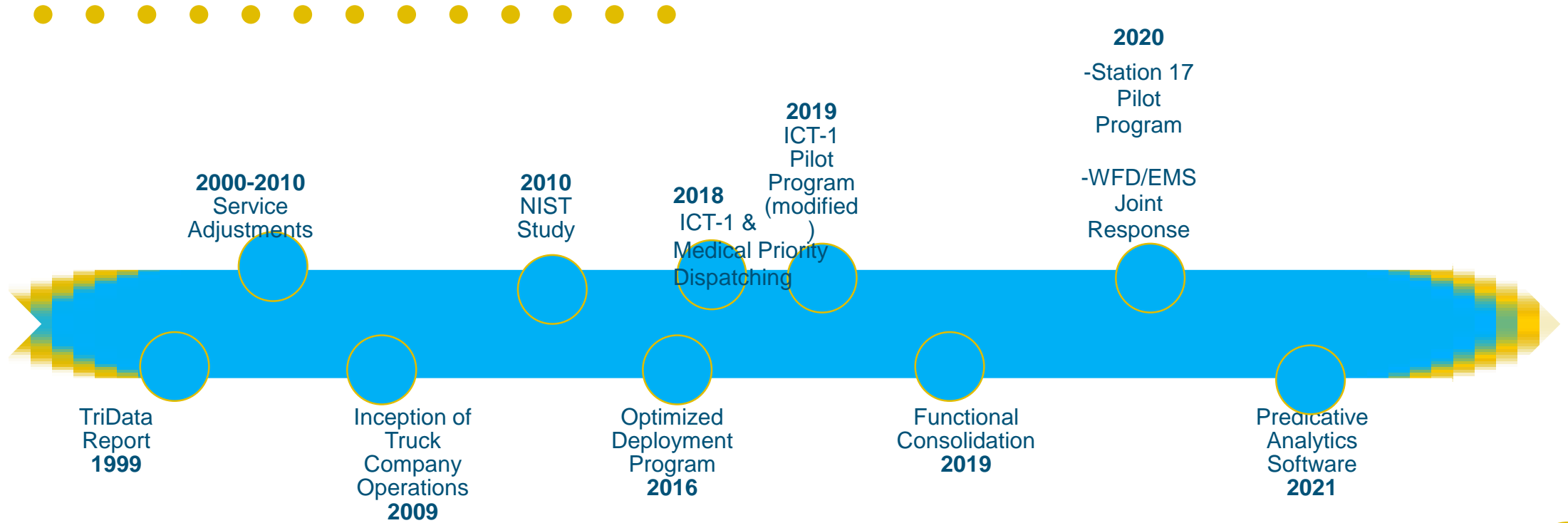
WICHITA FIRE DEPT

2019 Wichita Fire - Call Density

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Station 16 & 17 Comparison (2020 Projected)

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Pilot Program Considerations

2020
-Station 17 Pilot Program

-WFD/EMS Joint Response

2000-2010
Service Adjustments

2010
NIST Study

2019
ICT-1 Pilot Program (modified)

2018
ICT-1 & Medical Priority Dispatching

TriData Report **1999**

Inception of Truck Company Operations **2009**

Optimized Deployment Program **2016**

Functional Consolidation **2019**

Predicative Analytics Software **2021**

2000-2010 Service Adjustments

- Addition of 3 new WFD Fire Stations
- Daily staffing increased to 117 personnel/shift
- Dedicated Truck Company staff
- Engine 21 and 22 relocation
- Mobile Computer Terminals
- Truck Company Program

Optimized Deployment Program

- Established call-type prioritization that did not exist in 1999

- Reduction in low-acuity medical alarm response

- Increase in higher priority medical emergencies indicates need for additional first-arriving personnel

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Evolution

- Four-person crews completed fireground tasks (on average) nearly 25% faster than 3 person crews

- Five person crews, i.e. 3-person Engine with 2-person Squad, did not decrease overall fireground task times

- Four-person Truck Companies facilitate early search/rescue operations in conjunction with ventilation functions upon arrival

- Adoption of CCR (Pit Group) instead of CPR

Operational Profile

WFD Station 16

	Pre-Pilot	Post-Pilot
Total Personnel	6	7
Truck 4	3	4
Engine 16	3	3

WFD Station 17

	Pre-Pilot	Post-Pilot
Total Personnel	5	4
Squad 17	2	-
Engine 17	3	4
Tender 17	Cross Staffed	Cross Staffed
Brush 17	Cross Staffed	Cross Staffed

Daily staffing levels remain unchanged in West Wichita

Primary Response Partners

- WFD considers several partnering organizations in determining effective deployment of staff and apparatus

- Partnering organizations include Sedgwick County EMS, Sedgwick County Fire, Eisenhower Airport Police/Fire/EMS, Wichita Police Department, etc…

Functional Consolidation

- Cooperation between Wichita Fire Department and Sedgwick County Fire Department

- Citizens of Wichita and Sedgwick County receive overlapping response, resulting in increased services and decreased response times

- WFD and Sedgwick County Fire cross-train regularly to ensure quality and efficient service

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Predicative Analytics Software

- Data analytics software program
  - Will provide first comprehensive report of WFD resources and responses since 1999 TriData report

- Predicative analytics software approved for purchase in 2019, and expected to launch in 2021

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Future of Station 17 Pilot Program

- Program consistently evaluated

- Pilot program intended to extend throughout data collection and analyzation phases associated with the implemented predicative analytics software

- Adjust services as needed

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