

CITY OF NEW BERLIN FIRE DEPARTMENT

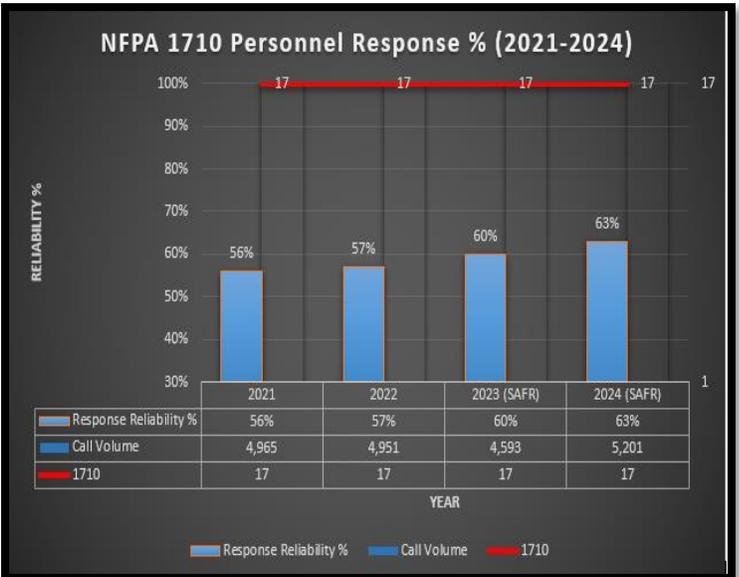
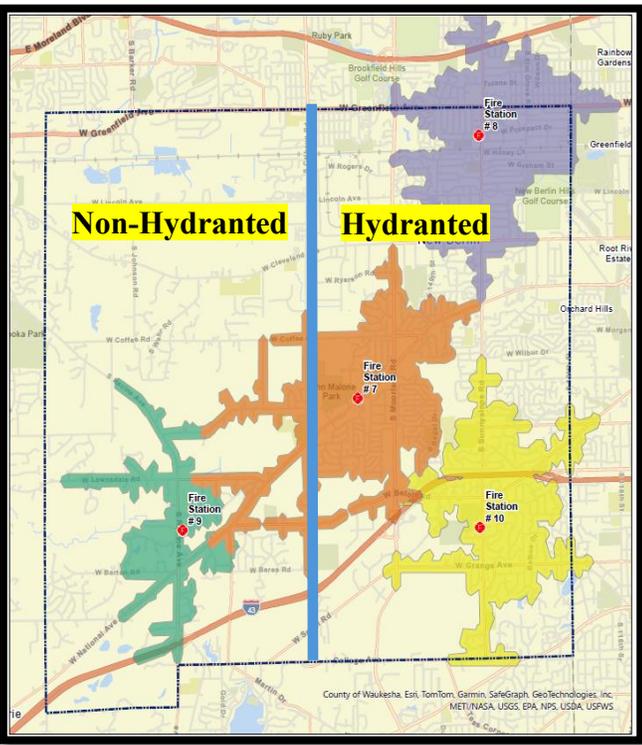
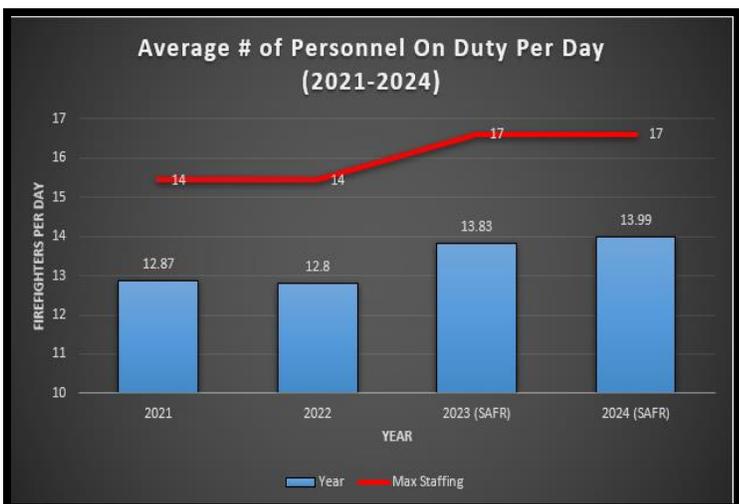
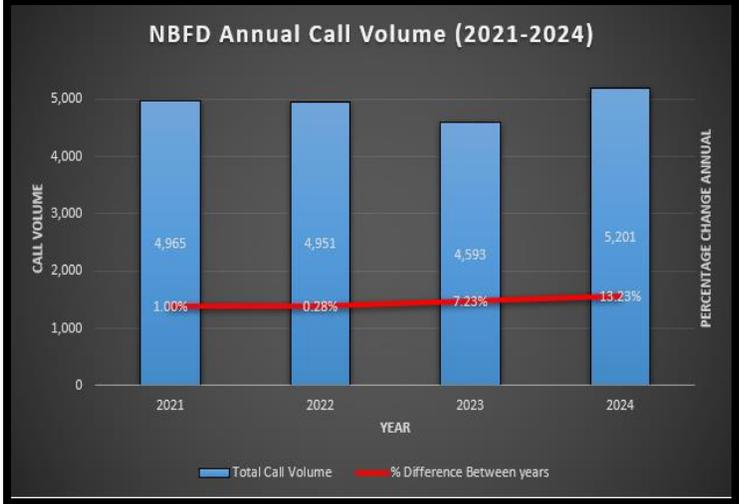
Organization and Deployment for Fire Suppression & EMS Operations: Current Status



- 5,201 calls for service in 2024.
- 13% increase from 2023
 - 14 calls for service per day
 - Cross-staffing Engine/Med Unit
 - Max staffing 17 per day
 - Minimum staffing 12/13 per day
 - Average 14 personnel per day

- Effective Response force for residential structure fires percentages:
- 2024 – 63% of the day
 - 2023 – 60% of the day

- Response times from neighboring departments, 90% tile:
- 10.8 Minutes response into New Berlin



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Organization and Deployment for Fire Suppression & EMS Operations: Industry Standards



NFPA 1710 Staffing/response requirement's residential structure fire

- First arriving unit in 5:20 minutes
- 17 personnel on scene in 8 minutes
- Low/Medium Hazard in 8 minutes
- High Hazard 10 minutes

US Fire Department Profile 2020 Supporting Tables (p.6)

- Population 40,000, 56hr work week = 1.62 firefighters per capita = 21.6 per day
- Nbfd = 1.275 firefighters per capita. 13.99 firefighters per day

NIST National Institute of Standards and Technology

NIST Report on Residential Fireground Field Experiments 2010 (p.52)

- 4-person heavy apparatus crews/task completion 5.1 minutes faster (15 minutes 13 seconds) than 3-person crews at (20 minutes 30 seconds)



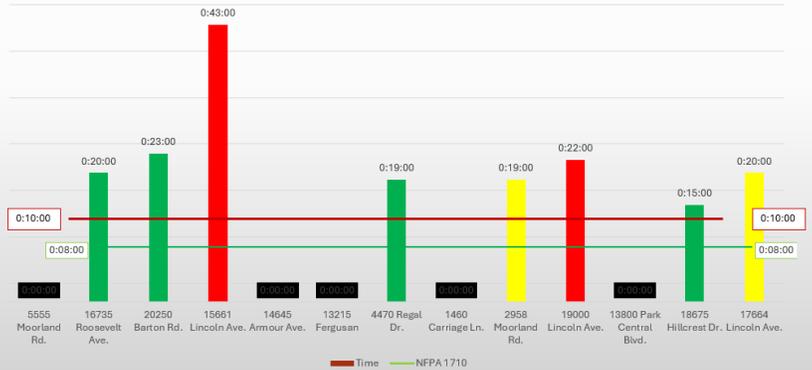
Public Protection Classification Summary Report (ISO) 2022 (p.16)

- Personnel: 6.53/15 points
- Fire Department Credit: 29.73/50

Fire Incident Statistics

NFPA 1710:

- 8 Minutes for Maximum On Scene Staffing Low Risk (17 Personnel)
- 8 Minutes for Maximum On Scene Staffing Moderate Risk (28 Personnel)
- 10 minutes for Maximum On Scene Staffing High Risk (43 Personnel)



Population Protected	40-45 Hours	46-51 Hours	52-60 Hours
1,000,000 or more	*	1.41	0.86
500,000 to 999,999	1.70	1.79	1.14
250,000 to 499,999	1.89	1.56	1.16
100,000 to 249,999	1.98	1.47	1.28
50,000 to 99,999	2.06	1.49	1.37
25,000 to 49,999	2.01	1.61	1.62

FSRS Feature	Earned Credit	Credit Available
Emergency Communications		
414. Credit for Emergency Reporting	3.00	3
422. Credit for Telecommunicators	4.00	4
432. Credit for Dispatch Circuits	3.00	3
440. Credit for Emergency Communications	10.00	10
Fire Department		
513. Credit for Engine Companies	5.71	6
523. Credit for Reserve Pumpers	0.50	0.50
532. Credit for Pump Capacity	3.00	3
549. Credit for Ladder Service	0.97	4
553. Credit for Reserve Ladder and Service Trucks	0.00	0.50
561. Credit for Deployment Analysis	4.26	10
571. Credit for Company Personnel	6.53	15
581. Credit for Training	6.76	9
730. Credit for Operational Considerations	2.00	2
590. Credit for Fire Department	29.73	50
Water Supply		
616. Credit for Supply System	26.76	30
621. Credit for Hydrants	3.00	3
631. Credit for Inspection and Flow Testing	6.40	7
640. Credit for Water Supply	36.16	40
Divergence		
1050. Community Risk Reduction	-6.19	--
	4.34	5.50
Total Credit	74.04	105.50