Organizational, Effectiveness and Efficiency Study of the Fire Department

City of Milwaukee, Wisconsin



October 12, 2005

Presentation Outline

- Review scope of services for the project.
- Discuss basis for standards in fire and EMS services.
- Review primary recommendations from the report.



Scope of Services

- Review management and administration of staffing.
- Conduct a comparative survey of other large cities.
- Evaluate command staffing levels.
- Assess service delivery objectives and performance.
- Recommend line staffing and deployment.



Service Delivery Standards

- NFPA 1710 is an effort to formalize a long running debate about service delivery standards.
- A recommended approach that applies to MFD.
- Recommendation for staffing includes 4-person companies (fire units).
- "Typical" first alarm for a 2,000 s.f. house includes at least 15 responders.

consulting group

 Milwaukee has many neighborhoods where the "typical" fire involves significant expansion risk.

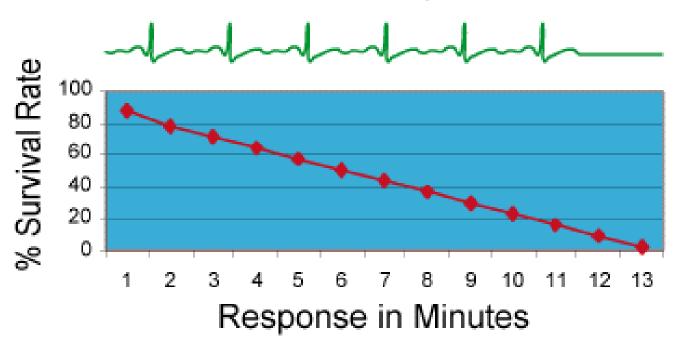
Service Delivery Standards

- Response time objectives (goal: for 90% of "emergency" calls):
 - → (1) Minute for processing and dispatching a call.
 - → (1) Minute for "reflex" or "reaction" time after dispatch.
 - → (4) Minutes for first unit drive time.
 - → (8) Minutes for arrival of the first full response / paramedics.
- Managers can only address the first two elements in the short term!
- Unsolved issue: definition of "dispatch" time.



Cardiac Arrest Impact on EMS

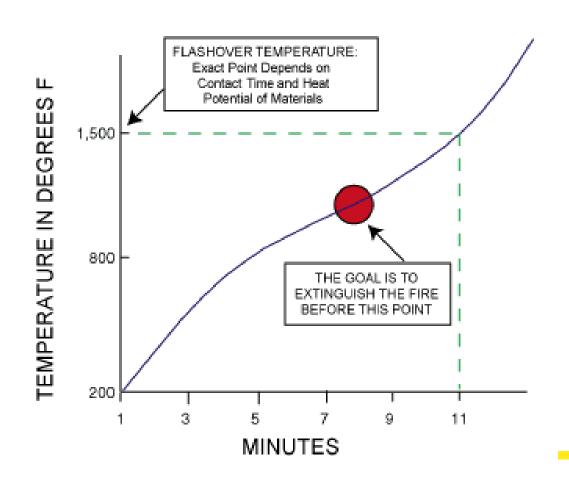






"Room and Contents" Fire

Generalized Flashover Curve





Recommendations

- Consolidate three Deputy Chief commands into one.
 Reduce staffing by two positions, for estimate annual savings of \$225,000.
- Continued focus on dispatch processing and reaction time is critical to maintaining and improving services.
- Consider addition of both Heavy Equipment Operators and Lieutenants to reduce reliance on overtime for annual savings of \$562,000.

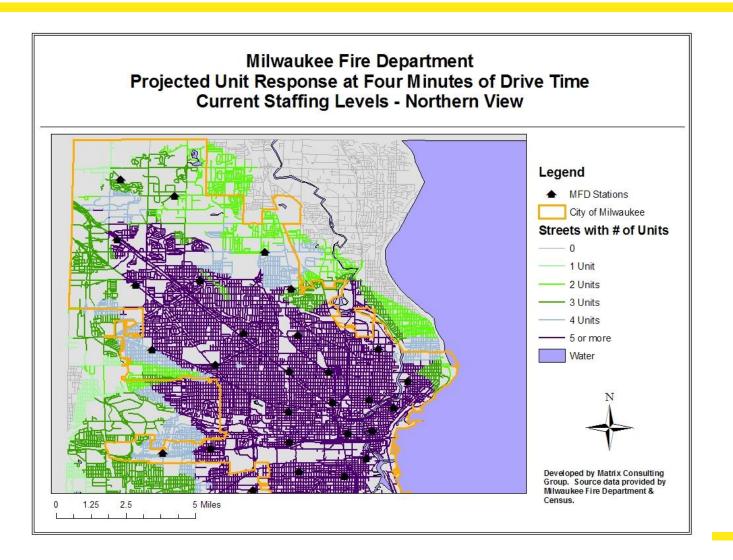


Recommendations

- Reduce minimum staffing of ladder companies to four. Maintain special teams units at minimum of five. Total annual savings of \$3.2 million.
- Current station location and deployment of units will allow the MFD to maintain an exceptional level of coverage and response overlap at national standards.

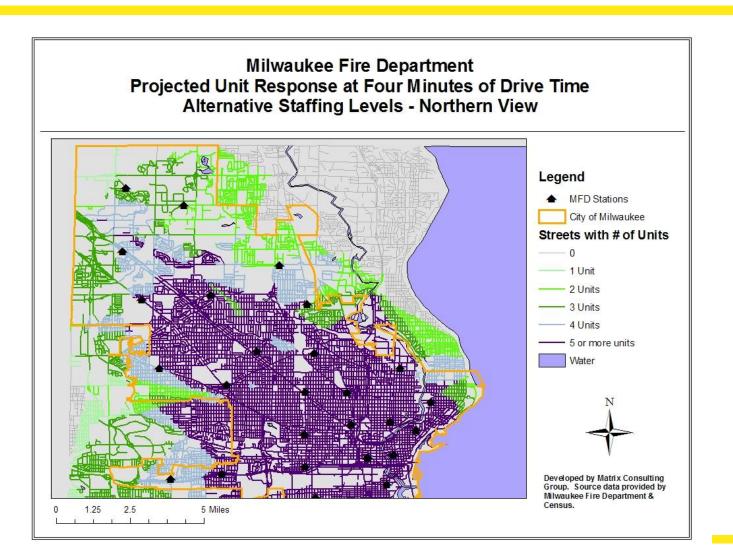


Current 4 Minute (North)



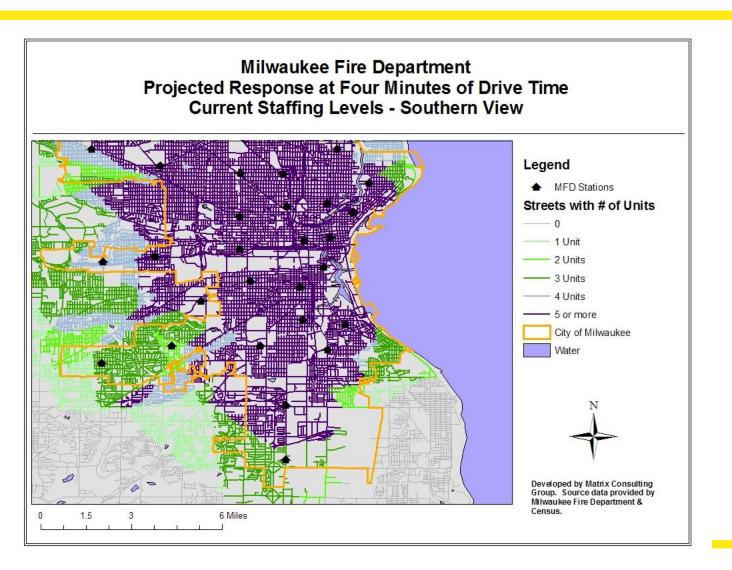


Alternative 4 Minute (North)



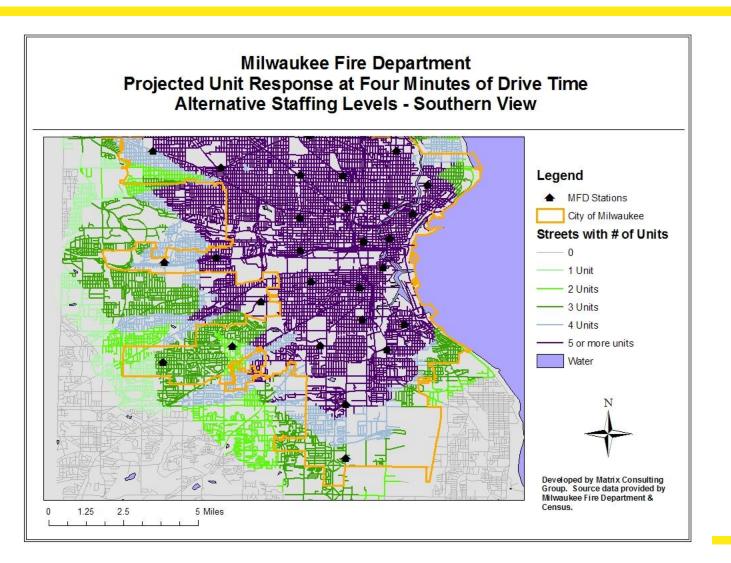


Current 4 Minute (South)



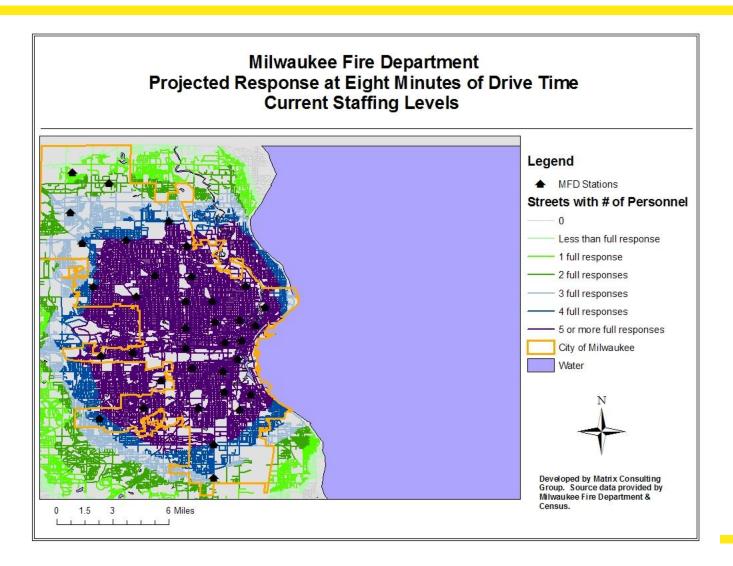


Alternative 4 Minute (South)





Current 8 Minute





Alternative 8 Minute

