



City Council Presentation
Kettering Fire Department Modernization Strategy
August 12, 2014

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Kettering Fire Department Modernization Strategy



The City of Kettering will break ground this fall on the first of four proposed new fire stations. Construction on the station located at 3484 Far Hills Avenue will begin in coming months with anticipated completion by the end of 2015.

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Kettering Fire Department Modernization Strategy

The new stations were sought as a result of a strategic planning process which began in 2006, and resulted in a comprehensive modernization strategy for all aspects of the Kettering Fire Department.

- Matrix Consulting Group - 2007
- ARC Station Study – 2010
- IAFC/NFPA/ISO/AMA Standards

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Kettering Fire Department Modernization Strategy

The new stations will provide appropriate facilities for the storage and safety requirements of modern apparatus, as well as modern facilities to accommodate 24/7 operations.

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Kettering Fire Department Modernization Strategy

Strategy Highlights

FROM		TO
Advance from primarily fire suppression and basic life support operations		Comprehensive all hazards mitigation response model
Elevate from combination response		24/7 station presence
Transition personnel from combination career and volunteer		Full time and part time in-house providing 24/7 station coverage supplemented by volunteer on-call

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Kettering Fire Department Modernization Strategy

FROM		TO
Convert from seven outdated stations with average age of 42 years: <ul style="list-style-type: none"> • Undersized for modern apparatus • Devoid of mixed gender facilities for overnight operations • Non ADA Compliant 		Four modern stations: <ul style="list-style-type: none"> • Appropriate facilities for the operation, storage and safety requirements of modern apparatus • Complete with appropriate modern facilities for 24/7 operations • ADA Compliant
Progress from outdated technology and a lack of emergency backup or community incident command center		Modern incident command center with complete fiber backup and emergency dispatch

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Kettering Fire Department Modernization Strategy

There is a difference in today's total project investment as compared to the original project estimate. The difference can be attributed to several factors:

- The early project budget and estimate was derived from the Architectural Resources Corporation report commissioned in 2012. ARC projections utilized year 2010 dollars and did not include inflation.

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Kettering Fire Department Modernization Strategy

- Early estimates also included a range of stations as small as 2 apparatus bays and up to 4 bays. Our analysis demonstrated that 2 bay stations did not meet our modern service needs, thus we are proposing 3 stations having 4 bays and 1 station having 3 bays.

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Kettering Fire Department Modernization Strategy

- In addition, early estimates were for the fire station facilities only. They did not include building design, equipment costs, land acquisition or site preparation.
- We are investing in several systems that have a higher initial investment, but will provide long term cost savings. These systems were not included in the original 2012 project plan.

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Kettering Fire Department Modernization Strategy

- A number of necessary emergency back-up systems were added that early estimates did not include. These systems include back-up dispatch for Public Safety and Public Service departments, back-up IT capabilities and an Emergency Operations Center. These systems are critical in maintaining our all hazards mitigation response model.
- We are also proposing that we move Fire Headquarters to the David Road location to enhance operational efficiencies and reduce personnel costs.

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Kettering Fire Department Modernization Strategy

Fire Station Timeline (Stations 32 and 36):

- May 2014 Council Authorization
- Bids out in June 2014
- Bids back in July 2014
- Fall 2014 Groundbreaking
- Far Hills 2015 Station Completion (Station 32)
- Hempstead 2016 Station Completion (Station 36)

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Kettering Fire Department Modernization Strategy

Station 32 3484 Far Hills Avenue



- Design authorized in March 2013
- Public meetings held February 2012 and November 2013
- Design Committee approach
- Approved by City Council in May 2014
- Bid Award Pending
- Construction to begin Fall 2014

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Kettering Fire Department Modernization Strategy

Station 36 4745 Hempstead Station Drive



Hempstead Elevation
1" = 20'-0"

- Design authorized in March 2013
- Public meeting held December 2013
- Meetings with key stakeholders
- City will re-bid this station in 2014



Kettering Fire Department Modernization Strategy

- 3484 Far Hills Avenue (Station 32)
 - May 2014 Authorization Resolution Bid

• Construction	\$4,100,000	
• Site Work	300,000	
• Contingency	<u>352,000</u>	
• Total	\$4,752,000	\$5,318,000
 - Bid Award Pending
 - Value Engineering
 - Equipment Estimates Less Than Projected

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Kettering Fire Department Modernization Strategy

- 4745 Hempstead Station (Station 36)
 - May 2014 Authorization Resolution Bid

• Construction	\$6,009,000	
• Site Work	800,000	
• Contingency	<u>544,720</u>	
• Total	\$7,353,720	\$7,821,000
 - Re-bid in 2014
 - Value Engineering (Revised Architectural Plans)
 - Equipment Estimates Less Than Projected

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Kettering Fire Department Modernization Strategy

- Total Cost Estimates
 - 4 Stations, Training Facility and Equipment
 - \$29,647,629
 - Funding from EMS Fund and General Fund Transfers

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Kettering Fire Department Modernization Strategy

- EMS Fund
 - Balance \$10.4m
 - Annual Estimated Revenue \$1.450m
 - Sale of Land estimated at \$.7m
 - Transfers from General Fund \$18.7m
 - 75/25 split of EMS Revenue in future

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Kettering Fire Department Modernization Strategy

- **Summary**

- Total Projected Expenditures \$29.6m
- Total Projected Construction Costs \$23.4m
- General Fund Transfers \$18.7m
 - Payback 25 years
- Projected Apparatus Savings \$8.2m
- Annual Personnel Savings \$. 4m

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Kettering Fire Department Modernization Strategy

- Next Steps

- Finalize Far Hills Construction Contract & Issue P.O. (August)
- Re-bid Hempstead Station Construction Bid (Fall 2014)
- Amend EMS Ordinance for General Fund Reimbursements (4th Qtr. 2014)
- Amend 2014 Budget (4th Qtr. 2014)
- Close on Woodman Drive Land Purchase (2014)
- Identify West side station options (ongoing)
- Incorporate current estimates into 2015 – 2019 CIP and 2015 Operating Budget (4th Qtr. 2014)

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Questions

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