

FY1

2012-2017 MFD Capital Plan Requested Amendment - 2012 REQUESTED

| FIRE DEPARTMENT | 2011 ADOPTED | 2012 BUDGET PLAN | 2012 REQUESTED | 2013 BUDGET PLAN | 2014 BUDGET PLAN | 2015 BUDGET PLAN | 2016 BUDGET PLAN | 2017 BUDGET PLAN | SIX-YEAR CIP TOTAL |
|--|------------------|------------------------|-------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|
| Engine House Construction/Renovation | | | | | | | | | |
| Engine House 17 (land acquisition, design & construction) | - | - | - | - | - | - | - | - | - |
| Fire Repair Shop - Design & construction "study only" | - | - | - | - | - | - | - | - | - |
| Fire Repair Shop - (land acquisition, design & construction) | - | - | - | - | - | - | - | - | - |
| Fire Facilities Maintenance Program | | | | | | | | | |
| | 100,000 | 600,000 | 761,250 | 761,250 | 799,312 | 799,312 | 839,278 | 839,278 | 4,799,680 |
| Auxiliary Power Supply (Generators) | | | | | | | | | |
| | 110,000 | 110,000 | 110,000 | 110,000 | 110,000 | 110,000 | 110,000 | 110,000 | 660,000 |
| Major Capital Equipment | | | | | | | | | |
| Ambulances | | | | | | | | | |
| Aerial Ladders/Trucks | 430,000 | 430,000 | 747,000 | 537,840 | 537,840 | 806,760 | 871,301 | 871,301 | 4,372,042 |
| Pumpers/Engines | 1,420,000 | 764,000 | 1,264,000 | 2,047,680 | 2,047,680 | 2,047,680 | 2,211,494 | 2,211,494 | 11,830,028 |
| | 1,004,000 | 1,506,000 | 803,000 | 1,766,600 | 1,766,600 | 883,300 | 980,463 | 980,463 | 7,180,426 |
| TOTAL FIRE DEPARTMENT | 3,064,000 | 3,410,000 | 3,686,250 | 5,223,370 | 5,261,432 | 4,647,052 | 5,012,536 | 5,012,536 | 28,842,176 |

Fire Facilities Maintenance Program created by merging the 3 existing maintenance program capital accounts to provide greater project management and flexibility
 Mechanical Systems Maintenance Program includes HVAC, boiler/heating system replacement, ventilation & electrical system upgrade projects. (This project merged in 2009)
 Exterior Building Maintenance Program includes apparatus bays, roofs, tuck pointing (masonry) & window replacement projects. (This project merged in 2009)
 Interior Building Maintenance Program includes interior structures, surfaces, flooring, lighting, elevator, overhead doors, environmental & safety system projects. (This project merged in 2009)

Business Unit:

Report Id:

Period Ending Date:

Sorting go to cell B,D, or E14
use ascending and
descending icons

Please be aware
that this report
only retrieves
Project/Grant
values if there is
a budget line or
expenditures.

| Project Description | Project/Grant | Project/Grant Status | Start Date | End Date | Project Header Amount | Funding Source Amount | Budget | Life to Date Expended | Budget Balance |
|--------------------------------|---------------|----------------------|------------|------------|-----------------------|-----------------------|--------------|-----------------------|----------------|
| Fire Dept Building Projects | FR130060000 | | 2006-01-01 | 2011-12-31 | 4,299,813.73 | 4,299,813.73 | - | - | - |
| Interior Building Maintenance | FR130060100 | | 2006-01-01 | 2010-12-31 | 232,000.00 | - | 232,000.00 | 179,749.66 | - |
| Mechanical systems Maintenance | FR130060200 | | 2006-01-01 | 2011-12-31 | 532,813.73 | - | 532,813.73 | 320,411.22 | (37,832.49) |
| Exterior Building Maintenance | FR130060300 | | 2006-01-01 | 2011-12-31 | 593,000.00 | - | 593,000.00 | 548,952.94 | 0.06 |
| Major Capital Equipment-2006 | FR130060400 | | 2006-01-01 | 2009-12-31 | 2,942,000.00 | - | 2,942,000.00 | 2,942,000.00 | - |
| Fire Dept Building Projects | FR130070000 | | 2007-01-01 | 2014-12-31 | 2,998,569.44 | 2,998,569.44 | - | - | - |
| Auxiliary Power Supply | FR130070100 | | 2007-01-01 | 2014-12-31 | 520,000.00 | - | 520,000.00 | 242,448.95 | 277,551.05 |
| Fire Major Capital Equipment | FR130070200 | | 2007-01-01 | 2010-12-31 | 2,478,569.44 | - | 2,478,569.44 | 2,478,569.44 | - |
| Fire Dept Building Projects | FR130080000 | | 2008-01-01 | 2011-12-31 | 2,362,000.00 | 2,362,000.00 | - | - | - |
| Fire Major Capital Equipment | FR130080100 | | 2008-01-01 | 2011-12-31 | 2,362,000.00 | - | 2,362,000.00 | 2,362,000.00 | - |
| Fire Dept Building Projects | FR130090000 | | 2009-01-01 | 2012-12-31 | 2,457,500.00 | 2,457,500.00 | - | - | - |
| Fire Facilities Maintenance | FR130090100 | | 2009-01-01 | 2012-12-31 | 712,500.00 | - | 712,500.00 | 40,162.35 | 465,909.12 |
| Fire Major Capital Equipment | FR130090200 | | 2009-01-01 | 2012-12-31 | 1,745,000.00 | - | 1,745,000.00 | 1,642,442.55 | - |
| Fire Building Projects | FR130100000 | | 2010-01-01 | 2013-12-31 | 3,946,000.00 | 3,946,000.00 | - | - | - |
| Fire Facilities Maintenance | FR130100100 | | 2010-01-01 | 2013-12-31 | 1,125,000.00 | - | 1,125,000.00 | 128,552.10 | 293,589.00 |
| Fire Major Capital Equipment | FR130100200 | | 2010-01-01 | 2013-12-31 | 2,821,000.00 | - | 2,821,000.00 | - | 323,597.45 |
| Fire Dept Building Projects | FR130110000 | | 2011-01-01 | 2014-12-31 | - | 2,954,000.00 | - | - | - |
| Unallocated Fire Dpt Projects | FR13080000A | | 1997-01-01 | 2005-12-31 | 17,033.71 | - | 17,033.71 | - | 17,033.71 |
| Fire Facilities Maintenance | FR130110100 | | 2011-01-01 | 2014-12-31 | - | - | 100,000.00 | - | 100,000.00 |
| Fire Major Capital Equipment | FR130110200 | | 2011-01-01 | 2014-12-31 | - | - | 2,854,000.00 | - | 2,854,000.00 |

**2011-2017 Milwaukee Fire Department Major Capital Equipment
2011 ADOPTED BUDGET / 2012 BUDGET REQUEST**

| (5% escalator) | <u>Ambulance</u> | <u>Unit Cost</u> | <u>#</u> | <u>Total</u> |
|----------------|------------------|------------------|----------|--------------|
| 2011 | | 215,000 | 2 | 430,000 |
| 2012 | | 249,000 | 3 | 747,000 |
| 2013 | | 268,920 | 2 | 537,840 |
| 2014 | | 268,920 | 2 | 537,840 |
| 2015 | | 268,920 | 3 | 806,760 |
| 2016 | | 290,434 | 3 | 871,301 |
| 2017 | | 250,776 | 3 | 871,301 |

| (8% escalator) | <u>Engine</u> | <u>Unit Cost</u> | <u>#</u> | <u>Total</u> |
|----------------|---------------|------------------|----------|--------------|
| 2011 | | 502,000 | 2 | 1,004,000 |
| 2012 | | 632,000 | 2 | 1,264,000 |
| 2013 | | 682,560 | 3 | 2,047,680 |
| 2014 | | 682,560 | 3 | 2,047,680 |
| 2015 | | 682,560 | 3 | 2,047,680 |
| 2016 | | 737,165 | 3 | 2,211,494 |
| 2017 | | 585,533 | 3 | 2,211,494 |

| (11% escalator) | <u>Ladder</u> | <u>Unit Cost</u> | <u>#</u> | <u>Total</u> |
|-----------------|---------------|------------------|----------|--------------|
| 2011 | | 710,000 | 2 | 1,420,000 |
| 2012 | | 803,000 | 1 | 803,000 |
| 2013 | | 883,300 | 2 | 1,766,600 |
| 2014 | | 883,300 | 2 | 1,766,600 |
| 2015 | | 883,300 | 1 | 883,300 |
| 2016 | | 980,463 | 1 | 980,463 |
| 2017 | | 866,910 | 1 | 980,463 |

Special Vehicle

| | | | | | |
|------|--------|---|---|---|-----------------|
| 2012 | HAZMAT | 0 | 0 | 0 | Tractor Trailer |
|------|--------|---|---|---|-----------------|

| Total Major Capital Equipment | | | | |
|--------------------------------------|--|------------------|----------------|--|
| | | REQUESTED | ADOPTED | |
| 2011 | | 2,854,000 | 2,854,000 | |
| 2012 | | 2,814,000 | | |
| 2013 | | 4,352,120 | | |
| 2014 | | 4,352,120 | | |
| 2015 | | 3,737,740 | | |
| 2016 | | 4,063,258 | | |
| 2017 | | 4,063,258 | | |

Requested for Years 2011-2017

6-Year Total 23,382,496



Capital Improvement Request Form Part I

Project/Program Title: Fire Major Capital Equipment

Requesting Department: Milwaukee Fire Department

Prepared By/Phone Ext: BC Aaron Lipski / 8975 - Emma J Stamps

Department Head Signature: *Mark Tolson*

Account No: FR130120200

A) Department Priority 1 of 3 Useful Life 15 Years Level of Need Essential Important Desired

Type of Project New Replacement Repair On-Going Program

Project/Program Scope Fully Defined Partially Defined

B) Description

Infrastructure

Street Related Sewer Water Street Lighting Communications Recreation

Sidewalks Alleys Bridge Environmental Port Parking

Building

Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility

ADA Office Remodeling New Building Elevators Garage Mechanical

Miscellaneous Development

Economic Information Systems Equipment Other _____

C) Project/Program Duration

One Year Yes No

On-Going Program Yes No

Multi-Year Yes No Number of Years _____

D) Total Positions 0 Total FTEs 0.0

| Position Title | No. of Positions | FTEs | Salaries |
|----------------|------------------|-------|----------|
| _____ | _____ | _____ | \$ _____ |
| _____ | _____ | _____ | \$ _____ |
| _____ | _____ | _____ | \$ _____ |

E) In Six Year Capital Improvement Plan

Yes 2010-2015 2011-2016 Yes, Modified New Request

F) Project/Program Justification

Fire Engines - MFD presently operates and maintains 49 units (36 frontline and 13 reserve); Ladder Trucks - MFD presently operates and maintains 23 units (16 frontline and 7 reserve); Paramedic Ambulances - MFD presently operates and maintains 17 units (12 frontline and 5 reserve). NFPA Standards recommend shifting from frontline to reserve status on Fire Apparatus at the 15 year mark. Parts obsolescence, increased rate of asset failure (and corresponding labor assignment to complete repairs), and corresponding out-of-service time for firefighters assigned to a Fire Apparatus that fails mid-shift, necessitate the continuation of this replacement program. While the reserve pool appears large, by its very definition it can be relied upon only for staggered, punctuated assignments to backfill for frontline units undergoing maintenance or repair work. In many cases, reserve units are themselves inoperable as parts have been recovered from them to keep frontline apparatus operating.

G) Additional Comments

EPA 2010, as it pertains to attempting to reduce Oxides of Nitrogen present in diesel exhaust to near-zero levels, has caused a marked increase in the cost of new-construction diesel engines. This has caused a surge in the price of each new fire apparatus, with quotes averaging of up to \$45,000.00/unit (for the additional exhaust-cleaning equipment alone). This Capital Improvement Request recognizes the fiscal challenges the City of Milwaukee is facing and has reduced the number of Fire Engines replaced from 3 to 2 and Ladder Trucks replaced from 2 to 1 and maintains the number of Ambulances replaced at 3 for budget-year 2012. Continued or maintained reductions, however, will eventually result in excessive repair costs as outlined above.

Capital Improvement Request Part II

Requesting Department: Milwaukee Fire Department

Project/Program Title: Fire Major Capital Equipment

Account No: FR130120200

Special Assessment Revenue Enterprise Total Cost

| Year | Tax Levy/Borrowing | Grant & Aid | Revenue | Special Assessment | Enterprise | Total Cost |
|----------------------------|---------------------|-------------|------------|--------------------|------------|---------------------|
| Remaining Balance for 2011 | \$3,177,567 | | | | | \$3,177,567 |
| 2012 Budget Request | \$2,814,000 | | | | | \$2,814,000 |
| 2013 Projection | \$4,352,120 | | | | | \$4,352,120 |
| 2014 Projection | \$4,352,120 | | | | | \$4,352,120 |
| 2015 Projection | \$3,737,740 | | | | | \$3,737,740 |
| 2016 Projection | \$4,063,258 | | | | | \$4,063,258 |
| 2017 Projection | \$4,063,258 | | | | | \$4,063,258 |
| Total Six Year Cost | \$23,382,496 | \$0 | \$0 | \$0 | \$0 | \$23,382,496 |
| Total Project Cost | \$26,560,063 | \$0 | \$0 | \$0 | \$0 | \$26,560,063 |

Life to Date Expenditures (Project Only)

| | | | | | | |
|-------------|-----|-----|-----|-----|-----|-------------|
| \$9,425,012 | \$0 | \$0 | \$0 | \$0 | \$0 | \$9,425,012 |
|-------------|-----|-----|-----|-----|-----|-------------|

Available Cost Estimate:

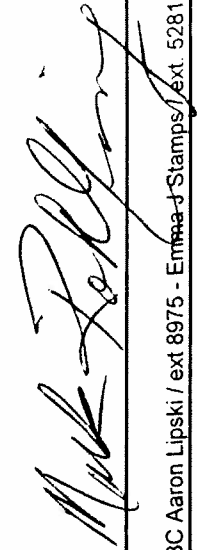
- Thorough Cost Estimate 2012 2013 2014 2015 2016 2017
- Limited Information 2012 2013 2014 2015 2016 2017
- Based on Cost of Similar Projects 2012 2013 2014 2015 2016 2017
- Unsupported 2012 2013 2014 2015 2016 2017

- Were cost estimates confirmed by another source? Yes No Uncertain
- Are cost estimates based on industry standards? Yes No Uncertain
- Will city employees be performing any portion of the work? Yes No Uncertain
- Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: Existing
 Estimated Completion Date: Ongoing

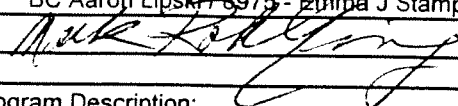
Department Head Signature



Prepared By/Phone Ext

BC Aaron Lipski / ext 8975 - Emma J Stamps / ext 5281

CIC - Capital Improvement Request Part III

| | | | |
|------------------|---|------------------|--------------|
| Department: | Milwaukee Fire Department | Date Submitted: | 3/28/2011 |
| Project/Program: | Fire Major Capital Equipment | Current Request: | \$2,814,000 |
| Prepared By: | BC Aaron Lipski / 8975 - Emma J Stamps / 5281 | 6 Yr Total: | \$23,382,496 |
| Dept Head: |  | | |

General Project/Program Description:
 NFPA Standards recommend shifting from frontline to reserve status on Fire Apparatus at the 15 year mark. Parts obsolescence, increased rate of asset failure (and corresponding labor assignment to complete repairs), and corresponding out-of-service time for Firefighters assigned to a Fire Apparatus that fails mid-shift, necessitate the continuation of this replacement program.

Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

| Yes | No | N/A | Amount | Health & Safety |
|-----|----|-----|--------|---|
| X | | | | Does the project directly reduce risks to people or property? |
| X | | | | Does the project directly promote improved health or safety? |
| X | | | | Does the project mitigate an immediate risk? |

Comments / Other Considerations:

| Yes | No | N/A | Amount | Regulatory Compliance |
|-----|----|-----|--------|--|
| | X | | | Does the project address a legislative, regulatory or court-ordered mandate? |
| | X | | | Does the project promote long-term regulatory compliance? |
| | X | | | Will there be serious negative impact on the City if compliance is not achieved? |
| | | X | | Are there other ways to mitigate the regulatory concern? |

Comments / Other Considerations:
 Updated EPA regulations are addressed and represented as increases in costs of all new Fire Engines, Ladder Trucks, and Ambulances.

| Yes | No | N/A | Amount | Impact on Operational / Capital Budget |
|-----|----|-----|--------|---|
| | | X | | What return on investment will this project generate? |
| | | X | | What is the expected payback period for this project? |
| | X | | | Does the project minimize life-cycle costs? |
| | | X | | Will the facility require additional personnel to operate? |
| X | | | | Will the project lead to a reduction in operating costs? |
| X | | | | Will the project lead to increased productivity or service improvements? |
| | | X | | Will the facility require significant annual maintenance? |
| | | X | | Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget? |
| | | X | | Is there a revenue generating opportunity? (e.g. user fees) |
| | | X | | Will the project result in a reduction or increase in energy use? |
| | X | | | Does the project involve specific energy reduction strategies or features? |
| | X | | | Will this project cause disruptions to regular city operations? |
| | X | | | Are there other potential costs associated with this project that are not addressed above? |

Comments / Other Considerations:
 Attempts were made and were unsuccessful to secure grant funding for the purchase of Fire Apparatus.

CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Fire Major Capital Equipment

Whenever possible, **please quantify / describe the impact** of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

| Yes | No | N/A | Amount | Compliance with Area Plans - The Common Council has adopted Comprehensive Area Plans. CIC Guidelines document a link to those plans on the DCD website. |
|-----|----|-----|--------|--|
| | | X | | Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board? |
| | | X | | Does the project increase or enhance educational opportunities for City of Milwaukee citizens? |
| | | X | | Does the project increase or enhance recreational opportunities and/or green space? |
| | | X | | Will the project mitigate blight? |
| | | X | | Does the project target the quality of life of all citizens or does it target one demographic? |
| | | X | | Is one population affected positively and another negatively? |
| | | X | | Does the project preserve or improve the historical or natural heritage of the City? |
| | | X | | Is the project consistent with established community character? |
| | | X | | Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner? |
| | | X | | Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, improve or reduce pollution including noise and/or light pollution)? |

Comments / Other Considerations:

| Yes | No | N/A | Amount | Infrastructure - Primarily recurring Infrastructure and facilities preservation programs |
|-----|----|-----|-----------|---|
| X | | | | How does the request effect the pertinent replacement cycle ? Provide specifics below. |
| | | X | | Has the facility being replaced exceeded its useful life? |
| | | X | | Does this project extend the useful life of an existing facility? |
| | X | | SEE BELOW | Do maintenance costs exceed replacement costs? (See Below) |
| | | X | | Have you documented costs of unplanned or corrective maintenance related to the facility? |
| X | | | | Does the project incorporate new technology that will provide enhanced service? |
| | | X | | Does the project extend service for new development or redevelopment? |
| X | | | | Will this project improve the functionality or service life of other related infrastructure? |

Comments / Other Considerations:

At present, the Milwaukee Fire Department Construction & Maintenance Division is implementing an automated data collection computer program in order to effectively address the 'maintenance vs. replacement' question. A statistically significant data set has not yet been compiled.

| Yes | No | N/A | Amount | Economic / Community Development |
|-----|----|-----|--------|---|
| | X | | | Does the project have the potential to promote economic/community development in areas where growth is desired? |
| | X | | | Will the project continue to promote or enhance economic/community development in an already developed area? |
| | X | | | Is the net impact of the project positive? |
| | X | | | Would an alternate location for this project provide a greater positive economic impact? |
| | X | | | Will the project produce desirable jobs in the City? |
| | X | | | Will the project rejuvenate an area that needs assistance? |
| | X | | | Will the project promote the equitable distribution of the costs and benefits of development? |

Comments / Other Considerations:

The Milwaukee Fire Department uses locally available vendors (Wisconsin based) for the purchase of its Fire Engines, Ladder Trucks, and Ambulances.

| Yes | No | N/A | Amount | Special Considerations |
|-----|----|-----|--------|--|
| | X | | | Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)? |
| | X | | | Are there critical timing issues associated with this project? |
| | X | | | Are there inter-jurisdictional considerations? |
| | X | | | Can you quantify the impacts of a delay in this project? |

Comments / Other Considerations:

Capital Improvement Request Form Part I

Project/Program Title: Fire Facilities Maintenance
 Prepared By/Phone Ext: BC Aaron Lipski / 8975 - Emma Stamps
 Account No: FR130120100

Requesting Department: Milwaukee Fire Department
 Department Head Signature: *[Signature]*

A) Department Priority 2 of 3 Useful Life 10 Years Level of Need Essential Important Desired
 Type of Project New Replacement Repair On-Going Program
 Project/Program Scope Fully Defined Partially Defined

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
 One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No Number of Years _____

D) Total Positions 0 Total FTEs 0.0

| Position Title | No. of Positions | FTEs | Salaries | \$ |
|----------------|------------------|-------|----------|-------|
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |

E) In Six Year Capital Improvement Plan
 Yes 2010-2015 2011-2016 Yes, Modified New Request

F) Project/Program Justification
 Continued support of the Milwaukee Fire Department's ongoing facility maintenance and repair program will enhance our efforts to maintain or lengthen the expected lifespan and safe operating conditions of the Fire Stations. Internally, this program accounts for interiors, overhead door replacements, masonry, windows, roofs, ventilation and HVAC. The \$761,300 requested in 2012 provides \$86,300 for repairs to internal surfaces and fixtures, such as flooring & lighting, and funds environmental issues such as asbestos removal and fuel contamination are addressed (annually); \$25,000 for damaged apparatus overhead doors are replaced (even years); \$50,000 for concrete/masonry repair/replacement work on fire house apparatus bays/approaches; \$100,000 for window replacements; \$250,000 for roof repairs and replacements; \$100,000 for ventilation system maintenance, installation & replacement projects; and \$150,000 for HVAC/boiler replacement.

G) Additional Comments
 The 2012-2017 six-year plan includes an annual inflationary factor of 5% imposed every 2 years. This adjustment is made in an effort to more adequately reflect project cost increases and to maintain a consistent level of projects funded by this account throughout the plan.

Capital Improvement Request Part II

Requesting Department: Milwaukee Fire Department

Project/Program Title: Fire Facilities Maintenance

Account No: FR130120100

Special Assessment: FR130120100

| Year | Tax Levy/Borrowing | Grant & Aid | Revenue | Special Assessment | Enterprise | Total Cost |
|----------------------------|--------------------|-------------|------------|--------------------|------------|--------------------|
| Remaining Balance for 2011 | \$821,666 | | | | | \$821,666 |
| 2012 Budget Request | \$761,250 | | | | | \$761,250 |
| 2013 Projection | \$761,250 | | | | | \$761,250 |
| 2014 Projection | \$799,312 | | | | | \$799,312 |
| 2015 Projection | \$799,312 | | | | | \$799,312 |
| 2016 Projection | \$839,278 | | | | | \$839,278 |
| 2017 Projection | \$839,278 | | | | | \$839,278 |
| Total Six Year Cost | \$4,799,680 | \$0 | \$0 | \$0 | \$0 | \$4,799,680 |
| Total Project Cost | \$5,621,346 | \$0 | \$0 | \$0 | \$0 | \$5,621,346 |

Life to Date Expenditures (Project Only) \$168,714 \$0 \$0 \$0 \$0 \$168,714

Available Cost Estimate:

- Thorough Cost Estimate 2012 2013 2014 2015 2016 2017
- Limited Information 2012 2013 2014 2015 2016 2017
- Based on Cost of Similar Projects 2012 2013 2014 2015 2016 2017
- Unsupported 2012 2013 2014 2015 2016 2017

Were cost estimates confirmed by another source? Yes No Uncertain

Are cost estimates based on industry standards? Yes No Uncertain

Will city employees be performing any portion of the work? Yes No Uncertain

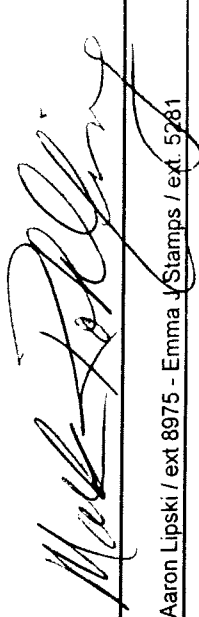
Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: 01/01/12

Estimated Completion Date: VARIED

Department Head Signature



Prepared By/Phone Ext

BC Aaron Lipski / ext 8975 - Emma Stamps / ext 5281

CIC - Capital Improvement Request Part III

Department: Milwaukee Fire Department Date Submitted: 3/28/2011
 Project/Program: Fire Facilities Maintenance
 Prepared By: BC Aaron Lipski / 8975 - Emma J Stamps / 5281 Current Request: \$761,250
 Dept Head: *[Signature]* 6 Yr Total: \$4,799,680

General Project/Program Description:
 Continued support of the Milwaukee Fire Department's ongoing facility maintenance and repair program will enhance our efforts to maintain or lengthen the expected lifespan and safe operating conditions of the Fire Stations. Internally, this program accounts for interiors, overhead door replacements, masonry, windows, roofs, ventilation and HVAC.

Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

| Yes | No | N/A | Amount | Health & Safety |
|-----|----|-----|--------|--|
| X | | | | Does the project directly reduce risks to people or property? |
| X | | | | Does the project directly promote improved health or safety ? |
| X | | | | Does the project mitigate an immediate risk ? |

Comments / Other Considerations:

| Yes | No | N/A | Amount | Regulatory Compliance |
|-----|----|-----|--------|---|
| | X | | | Does the project address a legislative, regulatory or court-ordered mandate ? |
| | X | | | Does the project promote long-term regulatory compliance ? |
| | | X | | Will there be serious negative impact on the City if compliance is not achieved? |
| | | X | | Are there other ways to mitigate the regulatory concern? |

Comments / Other Considerations:

| Yes | No | N/A | Amount | Impact on Operational / Capital Budget |
|-----|----|-----|-----------|---|
| | | X | | What return on investment will this project generate? |
| | | X | | What is the expected payback period for this project? |
| | X | | | Does the project minimize life-cycle costs ? |
| | X | | | Will the facility require additional personnel to operate? |
| X | | | | Will the project lead to a reduction in operating costs ? |
| | | X | | Will the project lead to increased productivity or service improvements ? |
| | X | | | Will the facility require significant annual maintenance ? |
| | X | | | Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget? |
| | X | | | Is there a revenue generating opportunity ? (e.g. user fees) |
| X | | | Reduction | Will the project result in a reduction or increase in energy use ? |
| X | | | | Does the project involve specific energy reduction strategies or features? |
| | X | | | Will this project cause disruptions to regular city operations ? |
| | X | | | Are there other potential costs associated with this project that are not addressed above? |

Comments / Other Considerations:
 The Fire Department continues to work closely with the Office of Environmental Sustainability Energy Reduction Team to develop and implement energy reduction strategies.

CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Fire Facilities Maintenance

Whenever possible, **please quantify / describe the impact** of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

| Yes | No | N/A | Amount | |
|--|----|-----|--------|--|
| | | | | Compliance with Area Plans - The Common Council has adopted Comprehensive Area Plans. CIC Guidelines document a link to those plans on the DCD website. |
| | | X | | Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board? |
| | | X | | Does the project increase or enhance educational opportunities for City of Milwaukee citizens? |
| | | X | | Does the project increase or enhance recreational opportunities and/or green space? |
| | | X | | Will the project mitigate blight? |
| | | X | | Does the project target the quality of life of all citizens or does it target one demographic? |
| | | X | | Is one population affected positively and another negatively? |
| | | X | | Does the project preserve or improve the historical or natural heritage of the City? |
| | | X | | Is the project consistent with established community character? |
| | | X | | Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner? |
| | | X | | Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, improve or reduce pollution including noise and/or light pollution)? |
| <u>Comments / Other Considerations:</u> | | | | |
| | | | | |
| Yes | No | N/A | Amount | |
| | | | | Infrastructure - Primarily recurring infrastructure and facilities preservation programs |
| X | | | | How does the request effect the pertinent replacement cycle ? Provide specifics below. |
| | | X | | Has the facility being replaced exceeded its useful life? |
| X | | | | Does this project extend the useful life of an existing facility? |
| | X | | | Do maintenance costs exceed replacement costs? (See Below) |
| X | | | | Have you documented costs of unplanned or corrective maintenance related to the facility? |
| | X | | | Does the project incorporate new technology that will provide enhanced service? |
| | | X | | Does the project extend service for new development or redevelopment? |
| X | | | | Will this project improve the functionality or service life of other related Infrastructure? |
| <u>Comments / Other Considerations:</u> | | | | |
| Maintaining or lengthening the lifespan of existing structures is fiscally optimal but must be closely monitored to avoid repair/maintenance costs exceeding reasonable facility replacement costs. Regarding unplanned or corrective maintenance, as examples of costly upkeep projects, we presently have several major roof repair/replacement projects as well as mold mitigation underway. These projects are in buildings which are grouped by age with numerous other MFD structures. | | | | |
| Yes | No | N/A | Amount | |
| | | | | Economic / Community Development |
| | | X | | Does the project have the potential to promote economic/community development in areas where growth is desired? |
| | | X | | Will the project continue to promote or enhance economic/community development in an already developed area? |
| X | | | | Is the net impact of the project positive? |
| | | X | | Would an alternate location for this project provide a greater positive economic impact? |
| | | X | | Will the project produce desirable jobs in the City? |
| | | X | | Will the project rejuvenate an area that needs assistance? |
| | | X | | Will the project promote the equitable distribution of the costs and benefits of development? |
| <u>Comments / Other Considerations:</u> | | | | |
| | | | | |
| Yes | No | N/A | Amount | |
| | | | | Special Considerations |
| | X | | | Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)? |
| | X | | | Are there critical timing issues associated with this project? |
| | X | | | Are there inter-jurisdictional considerations? |
| | X | | | Can you quantify the impacts of a delay in this project? |
| <u>Comments / Other Considerations:</u> | | | | |
| | | | | |

Capital Improvement Request Form Part I

Project/Program Title: Auxiliary Power Supply-Generators

Requesting Department: Milwaukee Fire Department

Prepared By/Phone Ext: BC Aaron Lipski / 8975 - Emma J Stamps

Department Head Signature: [Signature]

Account No: FR130070100

A) Department Priority 3 of 3 Useful Life 10 Years Level of Need Essential Important Desired

Type of Project New Replacement Repair On-Going Program

Project/Program Scope Fully Defined Partially Defined

B) Description

Infrastructure

Street Related Sewer Water Street Lighting Communications Recreation

Sidewalks Alleys Bridge Environmental Port Parking

Building

Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility

ADA Office Remodeling New Building Elevators Garage Mechanical

Miscellaneous Development

Economic Information Systems Equipment Other _____

C) Project/Program Duration

One Year Yes No

On-Going Program Yes No

Multi-Year Yes No Number of Years _____

D) Total Positions 0 Total FTEs 0.0

| Position Title | No. of Positions | FTEs | Salaries |
|----------------|------------------|-------|----------|
| _____ | _____ | _____ | \$ _____ |
| _____ | _____ | _____ | \$ _____ |
| _____ | _____ | _____ | \$ _____ |

E) In Six Year Capital Improvement Plan

Yes 2010-2015 2011-2016 Yes, Modified New Request

F) Project/Program Justification

Continued placement of backup electrical generators at First Responder facilities is a critical public safety need. It allows for uninterrupted and consistently rapid responses to emergencies regardless of the status of the electrical grid (outages due to inclement weather, terrorist activity, maintenance/repair). This request funds backup generator purchases and installations at each Fire Station and assumes installations will occur at a rate of 1.3/year. Twenty-three Fire Stations have already been outfitted with backup electrical generators. Including the 3 presently slated for 2011 installation, 13 Fire Stations remain without backup electrical generators.

G) Additional Comments

2010 average costs ranged from \$25,000-\$30,000. The Bureau of Electrical Services estimates that the remaining 13 will average around \$80,000 per unit due to an increase in the cost of copper and the fact that many of the remaining installation sites will require more complex modifications and/or upgrades to the existing electrical systems to accommodate the addition of the auxiliary generator. Spreading the remaining installations to stay within \$110,000/year will put us at 1.3/year installed, pushing the end date of this project into 2018.

Capital Improvement Request Part II

Requesting Department: Milwaukee Fire Department FR130070100
Project/Program Title: Auxiliary Power Supply-Generators **Account No:**

| Year | Tax Levy/Borrowing | Grant & Aid | Revenue | Special Assessment | Enterprise | Total Cost |
|----------------------------|--------------------|-------------|------------|--------------------|------------|------------------|
| Remaining Balance for 2011 | \$277,551 | | | | | \$277,551 |
| 2012 Budget Request | \$110,000 | | | | | \$110,000 |
| 2013 Projection | \$110,000 | | | | | \$110,000 |
| 2014 Projection | \$110,000 | | | | | \$110,000 |
| 2015 Projection | \$110,000 | | | | | \$110,000 |
| 2016 Projection | \$110,000 | | | | | \$110,000 |
| 2017 Projection | \$110,000 | | | | | \$110,000 |
| Total Six Year Cost | \$660,000 | \$0 | \$0 | \$0 | \$0 | \$660,000 |
| Total Project Cost | \$937,551 | \$0 | \$0 | \$0 | \$0 | \$937,551 |

Life to Date Expenditures (Project Only)

| | | | | | |
|-----------|-----|-----|-----|-----|-----------|
| \$242,449 | \$0 | \$0 | \$0 | \$0 | \$242,449 |
|-----------|-----|-----|-----|-----|-----------|

Available Cost Estimate:

| | | | | | | |
|-----------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Thorough Cost Estimate | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
| Limited Information | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Based on Cost of Similar Projects | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Unsupported | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Were cost estimates confirmed by another source?

- Yes No Uncertain
 Yes No Uncertain
 Yes No Uncertain
 Yes No Uncertain

Are cost estimates based on industry standards?

Will city employees be performing any portion of the work?

Did you perform a cost/benefit analysis?

How will this project impact city operating expenditures?

- Increase Decrease None

Estimated Start Date: 01/01/12

Estimated Completion Date: VARIED

Department Head Signature



Prepared By/Phone Ext

BC Aaron Lipski / ext 8975 - Emma J Stamps / ext. 5281

CIC - Capital Improvement Request Part III

Department: Milwaukee Fire Department
 Project/Program: Auxiliary Power Supply-Generators
 Prepared By: BC Aaron Lipski / 8975 - Emma J Stamps / 5281
 Dept Head: *[Signature]*

Date Submitted: 3/28/2011
 Current Request: \$110,000
 6 Yr Total: \$660,000

General Project/Program Description:

Continued placement of backup electrical generators at First Responder facilities is a critical public safety need. It allows for uninterrupted and consistently rapid responses to emergencies regardless of the status of the electrical grid (outages due to inclement weather, terrorist activity, maintenance/repair).

Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

| Yes | No | N/A | Amount | Health & Safety |
|-----|----|-----|--------|--|
| X | | | | Does the project directly reduce risks to people or property? |
| | X | | | Does the project directly promote improved health or safety ? |
| X | | | | Does the project mitigate an immediate risk ? |

Comments / Other Considerations:

| Yes | No | N/A | Amount | Regulatory Compliance |
|-----|----|-----|--------|---|
| | | X | | Does the project address a legislative, regulatory or court-ordered mandate ? |
| | | X | | Does the project promote long-term regulatory compliance ? |
| | | X | | Will there be serious negative impact on the City if compliance is not achieved? |
| | | X | | Are there other ways to mitigate the regulatory concern? |

Comments / Other Considerations:

| Yes | No | N/A | Amount | Impact on Operational / Capital Budget |
|-----|----|-----|--------|---|
| | X | | | What return on investment will this project generate? |
| | | X | | What is the expected payback period for this project? |
| | | X | | Does the project minimize life-cycle costs ? |
| | | X | | Will the facility require additional personnel to operate? |
| | X | | | Will the project lead to a reduction in operating costs ? |
| X | | | | Will the project lead to increased productivity or service improvements ? |
| | X | | | Will the facility require significant annual maintenance ? |
| | X | | | Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget? |
| | X | | | Is there a revenue generating opportunity ? (e.g. user fees) |
| | X | | | Will the project result in a reduction or increase in energy use ? |
| | X | | | Does the project involve specific energy reduction strategies or features? |
| | X | | | Will this project cause disruptions to regular city operations ? |
| | X | | | Are there other potential costs associated with this project that are not addressed above? |

Comments / Other Considerations:

In those events in which electrical power is lost to a fire station or stations, auxiliary power generators allow the Milwaukee Fire Department to increase what would otherwise be a large loss of productivity from those stations affected (radio battery charging, apparatus charging, overhead door operation, CAD & mobile dispatching system operations, etc.). Current electrical backup systems are inadequate to accomplish the backup capabilities required of modern Fire Service operations.

CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Auxiliary Power Supply-Generators

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

| Yes | No | N/A | Amount | |
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| | | | | Compliance with Area Plans - The Common Council has adopted Comprehensive Area Plans. CIC Guidelines document a link to those plans on the DCD website. |
| | | X | | Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board? |
| | | X | | Does the project increase or enhance educational opportunities for City of Milwaukee citizens? |
| | | X | | Does the project increase or enhance recreational opportunities and/or green space? |
| | | X | | Will the project mitigate blight? |
| | | X | ALL citizens | Does the project target the quality of life of all citizens or does it target one demographic? |
| | | X | | Is one population affected positively and another negatively? |
| | | X | | Does the project preserve or improve the historical or natural heritage of the City? |
| | | X | | Is the project consistent with established community character? |
| | | X | | Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner? |
| | | X | | Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, improve or reduce pollution including noise and/or light pollution)? |
| <u>Comments / Other Considerations:</u> | | | | |
| | | | | |
| Yes | No | N/A | Amount | |
| | | X | | Infrastructure - Primarily recurring infrastructure and facilities preservation programs |
| | | X | | How does the request effect the pertinent replacement cycle ? Provide specifics below. |
| | | X | | Has the facility being replaced exceeded its useful life? |
| | | X | | Does this project extend the useful life of an existing facility? |
| | X | | | Do maintenance costs exceed replacement costs? (See Below) |
| | X | | | Have you documented costs of unplanned or corrective maintenance related to the facility? |
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| X | | | | Will this project improve the functionality or service life of other related infrastructure? |
| <u>Comments / Other Considerations:</u> | | | | |
| | | | | |
| Yes | No | N/A | Amount | |
| | | X | | Economic / Community Development |
| | | X | | Does the project have the potential to promote economic/community development in areas where growth is desired? |
| | | X | | Will the project continue to promote or enhance economic/community development in an already developed area? |
| X | | | | Is the net impact of the project positive? |
| | | X | | Would an alternate location for this project provide a greater positive economic impact? |
| | X | | | Will the project produce desirable jobs in the City? |
| | X | | | Will the project rejuvenate an area that needs assistance? |
| | | X | | Will the project promote the equitable distribution of the costs and benefits of development? |
| <u>Comments / Other Considerations:</u> | | | | |
| | | | | |
| Yes | No | N/A | Amount | |
| | | | | Special Considerations |
| | | X | | Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)? |
| | | X | | Are there critical timing issues associated with this project? |
| | | X | | Are there inter-jurisdictional considerations? |
| | X | | | Can you quantify the impacts of a delay in this project? |
| <u>Comments / Other Considerations:</u> | | | | |
| Current electrical backup systems of the remaining 13 firestations are inadequate to accomplish the backup capabilities required of modern Fire Service operations. | | | | |