



Chief
Mark Rohlring

Assistant Chief
Support Bureau
Gerard Washington

Battalion Chief
Construction & Maintenance
Division
Dale Schwark

Fire Equipment Repair Manager
Michael Reid

Milwaukee Fire Department

Capital Improvement Committee Presentation
2015

Facility Overview

- 41 Structures

35 Fire Stations + 1 Leased

Repair Facilities

Primary Repair Building
Butler Building
Cold Storage Building



- 41 Structures (cont.)

Fire & EMS Training Facilities

Recruit Training Building (w/
Pump Testing Facility)

Fire Training Tower (Inspection
scheduled for 12/19/2013)

Fire Education and Historical Museum

Facility Overview



Facility Overview

- Average Age of Structures - 59 years
- Oldest Structure – Engine 1 - 143 years
- Newest Structure – Engine 35 - 17 years



Facility Overview

- Age Groupings

0-25 years old - 4 Structures

26-50 years old - 17 Structures

51-75 years old - 9 Structures

76-100 years old - 3 Structures

100+ years old - 8 Structures

Facility Plan

- Facility Inventory – CIP Integration (2012)
Major Capital 20 YEAR Replacement Schedule

Paperless Integration for Facility Tracking –
Manager Plus



<u>House</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>
Eng 1	FI, A/C, TP	EU, OHD, DI	WH, CC
Eng 2 & Admin	FI, A/C, WD		PT
Eng 3			
Eng 4	TP	CC	WH
Eng 5	TP, CC	HVAC(I), CC	
Eng 6	APF, PT, FDI	EU, TP, APF, CC	A/C, APF
Eng 7	PT, MD	EU, APF, A/C	
Eng 8	EU, FL	WH, FL, BI, PT, DI	TP, WD, DI, A/C
Eng 9	FDI, RI	CC, FDI, DI	OHD, BI, HW
Eng 10	WH, RI	EU, APF, PT, RI	

20 year Facilities Forecast

Work Needed
 Work Completed
 Work in Progress
 Temp Repairs

House	2016 Repairs
Eng 2	Window replace
Eng 3	Floor inspection, Foundation Inspection
Eng 4	Paint ?/Inspection
Eng 6	Window replace/ Door replace
Eng 11	Hot water heater
Eng 12	Hot water heater
Eng 17	Window replace/ Door replace
Eng 18	Roof replace
Eng 21	Electric upgrade, Concrete replace
Eng 23	HVAC
Eng 24	Hot water heater
Eng 27	Overhead doors, Roof replace
Eng 37	Roof replace, tuck point
Eng 38	Floor inspection/Concrete replace

Comprehensive Asset Plan – 2015 Projects

	Engine 1					
Address	784 N Broadway			Replacement Value:	\$2,254,283	
Year Built	1872					
Building Area	14,095 SF			Equipment Housed	Depreciated Value	2012 Repair Costs
Lot Area				Engine 1	\$292,508.30	\$4,244.70
Roof Area	7,048 SF			Reserve Engine 40		2013 Auction
Floors	2				\$292,508.30	\$4,244.70
Foundation	Slab					
Exterior Wall						
	Surface	Brick				
	Frame	Steel				
Windows	Double hung, aluminum, thermo			Number of Personnel	Estimated Payroll	Energy Costs
Floors	Vinyl, wood & Tile			4 Daily/12 Total	\$808,259	Electric \$5,133.59
Electrical	Main Switch 400 Amp 3 Phase			* 1 Capt, 2Lt, 3 HEO,	6 FF, No Factor applied	Natural Gas \$9,399.43
S & D Voltage	120/208			Station Repairs		\$14,533.02
Heating	Boiler, Steam			\$3,886.51		
Cooling	Window Air system					
Ventilation	Roof/Wall Exhaust Fans					
Roof	Flat, Wood Decking & Frame, Ballasted					



	Year Installed	Quantity	Condition	Model/Make	Serial #	Life Of Component
Boiler	2002	2	Good	5007N/Burnham	64468945/64468942	20 yrs
Water Heater		1	Good	BT80/AO Smith	MA97 - 0620068 - 230	10 yrs
A/C Unit				Window Units		15 yrs
HVAC System	N/A					20 yrs
Concrete			Good			20 yrs
Landscape			N/A			N/A
Foundation			Good			N/A
Exterior Wall			Good			10 yr Insp.
Roof	2010	1	Excellent	EPDM/Membrane	Garland	20 yrs
Interior Walls/Paint			Fair			
Flooring			Fair			
Generator			N/A			50 yrs
Windows			Good			
Door(s)			Good			
Overhead Door(s)			Good			10 yr Insp.

Single Asset Plan

- **Fixed Auxiliary Generators**

26 Placed and Working

- Finishing E11, E17, E28 and E34
- Engine 7 (2015)
- Firehouse 1,6,26 and 27 left Working with DPW to expedite

Generators



Fire Repair Facility

Front of shop - south
view



Fire Records Management System Replacement

- Current system non-compliant with Federal Reporting Requirements – NFIRS 5.1
- Grant eligibility dependent on compliance.
- Compliant reporting required for State 2% Fire Dues.



Fire Records Management System Replacement

- Application Support no longer available.
 - Oracle 9i backend database – no longer supported by Oracle.
 - VB6 & 8 - no longer supported by Microsoft.
 - Requires Windows XP.



Fire Records Management System Replacement

- Usability
- Client application has no built-in error checking; allows officers to fill out reports incorrectly.
- Every report needs to be manually checked for accuracy.

Justification for Radio Consoles and Gateway

- Inter-RF Subsystem Interface (ISSI) Gateway
 - Required for interoperable communications with the new County Radio System.
 - County committed to their part of the link.
 - Benefits of link.
 - Failure to establish link will severely impact County Fire Departments Shared Services initiative.

Justification for Radio Consoles and Gateway

- Replacement Radio Consoles
 - Required OS, Windows XP, no longer supported or available.
 - Replacement parts no longer available.

