



2016 ANNUAL REPORT
PORT WASHINGTON
FIRE DEPARTMENT



CITY OF PORT WASHINGTON | FIRE DEPARTMENT & EMERGENCY MEDICAL SERVICES
Mark Mitchell, Fire Chief

March 13, 2017

Police and Fire Commissioners
Mayor Mlada
Common Council Members

On behalf of the members of the Port Washington Fire Department, I am pleased to present the Fire Department's Annual Report for 2016. The department responded to 1,435 emergency requests for service in 2016. This was an increase of 101 responses from the 1,334 emergency responses in 2015. Of these 1,435 requests, 200 were fire responses and 1,235 were for Emergency Medical Services.

The department responded to two significant structure fires in 2016. These fires resulted in no loss of life or injuries to either firefighters or civilians. A fire loss of \$144,700 was estimated in 2016. This compares to an estimated \$171,600 loss in 2015.

The Fire, EMS, and Dive Team personnel of the Port Washington Fire Department are dedicated to serving our citizens and willingly give of their time and efforts to make our city a better and safer place. I am honored to be leading the department. We look forward to serving the citizens of Port Washington in 2017 and beyond.

Respectfully Submitted,

Mark Mitchell

Mark Mitchell
Fire Chief / Ambulance Director

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Cover photo: The Port Washington Fire Department hosted the most attendees we have ever had at our Annual Open House and Pancake Breakfast on October 9, 2016. Those who visit have the opportunity to; take a ride in the department's aerial tower "basket", ride on a fire truck, observe the dive team in their display tank, witness how vehicles are "torn apart" to get to victims, Hands Only CPR instruction, and many activities for the kids. See other photos on page 8.



One of the highlights of the P.W.F.D. Annual Open House is the vehicle extrication demonstration. Each year Ray's Towing donates a vehicle for our use to educate the public of what goes into a vehicle extrication process. In this photo, firefighters use hydraulic spreaders to remove the vehicle's doors to gain access to the "victim". (All Open House Photos by Tim Reed)

I. 2016 FIRE RESPONSES

The Port Washington Fire Department participates in the National Fire Incident Reporting System (NFIRS). This system is a uniform reporting system that categorizes fire responses into the categories listed. To aid in the gathering of data, the department utilizes *FIREHOUSE Software™*. Fire reports are sent electronically to the National Fire Administration on a monthly basis.

A. FIRE RESPONSE BY INCIDENT TYPE

<u>1. FIRES / 2. EXPLOSIONS</u>	<u>NUMBER</u>	<u>EST. DOLLAR LOSS</u>
BUILDING	5	\$ 119,100
OUTSIDE EQUIPMENT	1	\$ 10,000
VEHICLE	5	\$ 15,100
BRUSH/GRASS	2	\$ 0
TRASH & OTHER	1	\$ 500.00
TOTAL FIRE	14	\$ 144,700
<u>3. RESCUE</u>		
ASSIST EMS CREW	9	
WATER RESCUE	3	
NON-VEHICLE EXTRICATION	1	
MOTOR VEHICLE ACCIDENT	25	
TOTAL RESCUE	38	
<u>4. HAZARDOUS CONDITIONS</u>		
FLAMMABLE/COMBUSTIBLE LEAK/SPILL	10	
CARBON MONOXIDE INCIDENT	7	
ELECTRICAL HAZARD	4	
BIO-HAZARD SPILL	1	
CHEMICAL SPILL	2	
TOTAL HAZARD	24	
<u>5. SERVICE / 6. GOOD INTENT</u>		
SMOKE/ODOR INVESTIGATIONS	6	
ASSIST POLICE	2	
WATER LEAK/PROBLEM	3	
MUTUAL AID	28	
ANIMAL RESCUE	1	
OTHER	5	
TOTAL SERVICE/GOOD INTENT	45	
<u>7. FALSE ALARMS</u>		
MALICIOUS	7	
SYSTEM MALFUNCTION	27	
UNINTENTIONAL	35	
CARBON MONOXIDE ALARMS (No CO)	10	
TOTAL FALSE ALARMS	79	
TOTAL FIRE RESPONSES - INCIDENT TYPE =	200	
TOTAL ESTIMATED DOLLAR LOSS BY LOCATION		
CITY OF PORT WASHINGTON		\$ 34,200
TOWN OF PORT WASHINGTON		\$ 110,500
TOTAL ESTIMATED DOLLAR LOSS IN 2016		\$ 144,700

B. FIRE RESPONSES BY PROPERTY TYPE

100. ASSEMBLY

CHURCHES	2
LIBRARY / MUSEUM / THEATER	3
CLUBHOUSE	1
PLAYGROUND	2
RESTAURANT / BAR / TAVERN	6
TOTAL ASSEMBLY	14

200. EDUCATIONAL

ELEMENTARY SCHOOL	4
MIDDLE SCHOOL / HIGH SCHOOL	5
TOTAL EDUCATIONAL	9

300. HEALTH CARE

NURSING HOMES	10
TOTAL HEALTH CARE	10

400. RESIDENTIAL

1 OR 2 FAMILY DWELLINGS	47
MULTI FAMILY DWELLING	41
COMMUNITY BASED RESIDENTIAL FACILITY	4
TOTAL RESIDENTIAL	92

500. MERCHANTILE / BUSINESS

BANK	3
GAS STATION	2
RETAIL STORE	4
BUSINESS	3
TOTAL MERCHANTILE / BUSINESS	12

600. INDUSTRIAL / 700. MANUFACTURING

MANUFACTURING / PROCESSING	7
TOTAL INDUSTRIAL / MANUFACTURING	7

800. STORAGE

WAREHOUSE	4
AGRICULTURE STORAGE	4
FIRE STATION (MUTUAL AID)	2
TOTAL STORAGE	10

900. OUTSIDE & SPECIAL PROPERTY

OPEN LAND / FIELD / BLUFF	7
WATER AREA	5
DIVIDED HIGHWAY	9
RESIDENTIAL / COMMERCIAL STREETS	24
TOTAL OUTSIDE & SPECIAL	45

TOTAL RESPONSES BY PROPERTY TYPE = 200

C. FIRE RESPONSES BY MONTH

JANUARY	19
FEBRUARY	13
MARCH	23
APRIL	12
MAY	9
JUNE	21
JULY	14
AUGUST	12
SEPTEMBER	19
OCTOBER	21
NOVEMBER	13
DECEMBER	24
TOTAL	200

D. FIRE RESPONSES BY DAY

SUNDAY	28
MONDAY	19
TUESDAY	28
WEDNESDAY	38
THURSDAY	31
FRIDAY	26
SATURDAY	30
TOTAL	200

E. FIRE RESPONSES BY HOUR

MIDNIGHT – 6:00 a.m.	24	12%
6:00 a.m. – 12:00 p.m.	48	24%
12:00 p.m. – 6:00 p.m.	75	37.5%
6:00 p.m. – MIDNIGHT	53	26.5%
TOTAL	200	

F. FIRE RESPONSES BY AREA

CITY of PORT WASHINGTON	147
TOWN of PORT WASHINGTON	26
VILLAGE/TOWN of SAUKVILLE	1
VILLAGE/TOWN of GRAFTON	11
VILLAGE/TOWN of FREDONIA	2
VILLAGE/TOWN of BELGIUM	9
CITY of MEQUON	2
VILLAGE OF NEWBURG	2
TOTAL	200

G. FIRE RESPONSES BY FIRE SQUAD

CHIEF OFFICER ONLY	44
FIRE SQUAD 1	7
FIRE SQUAD 2	4
FIRE SQUAD 3	5
RESCUE DIVE TEAM	3
ENTIRE DEPARTMENT	137
TOTAL	200

II. 2016 AMBULANCE RESPONSES

The City of Port Washington contracts with *EMS Medical Billing*, an ambulance billing, collection, and data management service. *EMS Medical Billing* submits a comprehensive Response Report each year. To further aid in the gathering of data, the department also utilizes *FIREHOUSE Software™*. The data listed below is a culmination of data from both sources. The department transmits patient data to the State of Wisconsin, Department of Health, through the statewide data collection program, *WARDS, Wisconsin Ambulance Run Data System*.

A. AMBULANCE RESPONSES BY NATURE

	<u>RESPONSES</u>
CARDIAC	154
MEDICAL	583
MOTOR VEHICLE ACCIDENT	61
TRAUMA	361
OVERDOSE / POISONING	33
FALSE ALARMS	18
OTHER	25
TOTAL	1,235

B. AMBULANCE RESPONSES BY MONTH

JANUARY	81
FEBRUARY	85
MARCH	116
APRIL	88
MAY	112
JUNE	95
JULY	118
AUGUST	113
SEPTEMBER	125
OCTOBER	90
NOVEMBER	93
DECEMBER	119
TOTAL	1,235

C. AMBULANCE RESPONSES BY DAY

SUNDAY	140
MONDAY	190
TUESDAY	182
WEDNESDAY	172
THURSDAY	171
FRIDAY	189
SATURDAY	191
TOTAL	1,235

D. AMBULANCE RESPONSES BY HOUR

MIDNIGHT – 6:00 a.m.	185	14.98%
6:00 a.m. – 12:00 p.m.	359	29.06%
12:00 p.m. – 6:00 p.m.	390	31.60%
6:00 p.m. – MIDNIGHT	301	24.36%
TOTAL	1,235	100%

E. AMBULANCE RESPONSES BY AREA

CITY of PORT WASHINGTON	767
TOWN of PORT WASHINGTON	68
VILLAGE / TOWN of BELGIUM	79
VILLAGE of CEDAR GROVE	7
CITY of CEDARBURG	1
VILLAGE of FREDONIA	64
VILLAGE / TOWN of GRAFTON	5
VILLAGE of GERMANTOWN	1
NEWBURG F.D. AMBULANCE AREA	10
VILLAGE of OOSTBURG	6
VILLAGE of RANDOM LAKE	9
VILLAGE / TOWN of SAUKVILLE	184
WAUBEKA F.D. AMBULANCE AREA	34
TOTAL	1,235

F. 1ST CALLS vs. 2ND & 3RD CALLS (simultaneous calls)

1 ST AMBULANCE CALLS	880
2 ND AMBULANCE CALLS	68
3 RD AMBULANCE CALLS	3
PARAMEDIC INTERCEPT CALLS	284
TOTAL	1,235

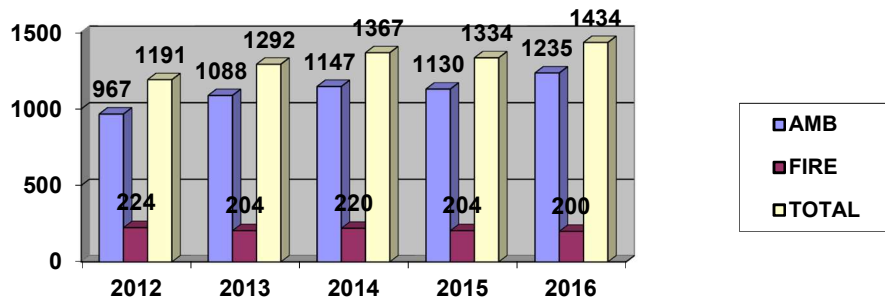
G. ALL PATIENTS BY AGE

	<u>MALE</u>	<u>FEMALE</u>
0-9 y/o	15	11
10-19 y/o	18	26
20-29 y/o	44	36
30-39 y/o	41	44
40-49 y/o	47	54
50-59 y/o	63	83
60-69 y/o	84	63
70-79 y/o	86	131
80-89 y/o	73	104
90-99 y/o	29	43
100+ y/o	0	2
TOTAL = 1,097 =	500	597

H. HOSPITALS RECEIVING PATIENTS

AURORA - GRAFTON	665	60.62%
COLUMBIA ST. MARY'S – MEQUON	263	23.98%
FROEDERT – WAUWATOSA	7	0.63%
CHILDREN'S HOSPITAL - WAUWATOSA	3	0.27%
AURORA SINAI - MILWAUKEE	1	0.09%
AURORA ST. LUKE'S - MILWAUKEE	1	0.09%
ROGERS MEMORIAL – SHEBOYGAN	1	0.09%
PATIENTS NOT TRANSPORTED	156	14.23%
TOTAL	1,097	100%

5 YEAR COMPARISON



III. FIRE PREVENTION ACTIVITIES

The most important non-emergency function a fire department can do for its community is to promote fire prevention. Fire prevention activities are divided between fire inspections, fire investigations, and public fire education.

FIRE INSPECTIONS

There are 705 addresses, or properties, that are inspected by the Port Washington Fire Department each year, with most being inspected twice a year. Every building in the City and Town of Port Washington, with the exception of single family and two family dwellings, is inspected. Many of the buildings have multiple addresses due to mixed occupancies.

The fire inspections completed during 2016 were done by Chief Mitchell. One thousand one hundred twenty nine (1,129) fire inspections were done during this period. Seven hundred seventeen (717) apparent violations were noted.

Another branch of fire prevention is the testing and inspection of new fire sprinkler systems and new fire alarm systems. Owners of the buildings, where these systems are located, must furnish the fire department with plans of the systems for review. Once these systems are in place, testing, witnessed by the fire department, must be complete before occupancy is given. In 2016, tests for twenty new fire alarm or fire suppression systems were witnessed.

FIRE INVESTIGATIONS

Fire investigations are coordinated by Captain Kevin Ward. The cause and origin of five structure fires, five vehicle fires, and one outside equipment fire were investigated in 2016. The causes of the five structure fires were as follows: (1) arson, (3) electrical, and (1) overloaded clothes dryer. The cause of the five vehicle fires were as follows: (3) failure of equipment, (1) contact with hot manifold, and (1) undetermined. The outside equipment fire was: (1) spark from grinding in a dust collector.

PUBLIC FIRE EDUCATION

Public Fire Education has the largest impact on a community's fire prevention program. A great deal of time is spent educating children with hopes that they will carry fire safety messages throughout their lives. The Port Washington Fire Department has an active public fire education program coordinated by Chief Mitchell. The department uses educational handout materials provided by the *National Fire Protection Association*. Elementary school children in grades K-2, as well as pre-school children throughout Port Washington, are taught age appropriate fire safety education.

To reach the adult population, the fire department conducts an annual Open House during Fire Prevention Week in October. Fire safety educational materials are available to the attendees, as well as hands-on fire extinguisher training. The department also participates in a national fire safety program, "**Change Your Clocks – Change Your Smoke Detector Batteries**". This program is promoted twice a year to remind people to replace the batteries in their smoke alarms when changing their clocks in the spring and the fall.

The following is a breakdown of public fire education contacts and programs done in 2016:

<u>GROUP or PROGRAM</u>	<u>ATTENDEES</u>	<u>FD PERSONNEL INVOLVEMENT</u>
SAFETY TOWN (Pre-K)	60	8
P.W.P.D. BIKE RODEO	50	4
COMMUNITY LEARNING CENTER (Pre-School)	70	1
STATION TOURS	67	NUMEROUS
COMMUNITY RESOURCE NIGHT	75	1
<u>FIRE PREVENTION WEEK - SCHOOL VISITS OR VISITS TO THE FIRE STATION</u>		
DUNWIDDIE K-2	200	5
LINCOLN K-2	240	6
T.J. MIDDLE SCHOOL	80	1
PORT CATHOLIC pre K-2	106	8
PORT PRE-SCHOOL	55	2
YOUNG PIONEERS	33	3
FIRE DEPARTMENT OPEN HOUSE	1,200 (approx.)	39
SCHOOL FIRE DRILLS (3)	MANY	1

The 2016 Fire Prevention Week Open House was held on October 9. Another fantastic weather day brought an estimated 1,200 people. Pictured here are some of the many attendees who participated in one of the many attractions offered.



PORT WASHINGTON FIRE/EMS ASSOCIATION, INC.

The Port Washington Fire/EMS Association is a fundraising organization made up of members of the fire department. The Association’s biggest fundraiser each year is a pancake breakfast (bottom right photo) held in conjunction with the Department’s Annual Fire Prevention Week Open House. Each year, the Association endows a scholarship for a graduating Port Washington High School senior who will be pursuing a degree in firefighting or Emergency Medical Services. The Association also makes donations to other local organizations and conducts an annual “Fill The Boot” drive for the Muscular Dystrophy Association.

IV. PERSONNEL & TRAINING

A. PERSONNEL

The Port Washington Fire Department had fifty-eight personnel as of December 31, 2016. The following personnel were hired in 2016: Ambulance Driver Tom Barbuch, FF Dennis Brede, EMT-B Cody Foote, EMT-B Jessica Henckel, FF Viktor Petrov, EMT-P Philip Stalewski. The following personnel left the department in 2016: FF Ryan Lanser (Resigned), EMT-P Freya Ludeman (Resigned), AEMT Colette Prellwitz (Resigned), AEMT Lori Schultz (Resigned), and EMT-B Susan Ziegler (Resigned).

NAME		RANK	YRS	NAME		RANK	YRS
Adams	Heather	EMT-B	2	Kultgen	Richard	LT. / Rescue Diver	10
Affeldt	Zach	EMT-B	1	Langford	James	Captain / Rescue Diver	23
Bach, Sr.	James	Rescue Diver	6	Lanser	Adam	FF	10
Barbuch	Maribeth	EMS Lt. / EMT-P	15	Lathrop	Rick	FF	6
Barbuch	Tom	Amb. Driver	-	Leasum	Charles	FF	4
Brede	Dennis	FF	-	McGaughey	Steven	EMT-P	2
Cehanovich	Dan	EMT-B	13	Mitchell	Mark	Fire Chief	12
Cehanovich	Rachelle	AEMT	11	Peters	Nick	EMT-P	4
Chaloupka	Roland	Rescue Diver	35	Petrov	Viktor	FF	-
Cross	Sue	EMT-B	4	Pipkorn	John	EMT-P	5
DeBoer	Joseph	LT. / EMT-P	12	Poggemann	Eric	Rescue Diver	4
Dicker	Todd	Engineer / EMT-P	4	Polgar	Jill	FF/EMT-B	4
Didier	Michael	Engineer	23	Reed	Tim	Amb. Driver	10
Doers	Glenn	Deputy Chief	12	Riley	James	Deputy Chief / AEMT	39
Dudash	Kristin	Asst. Engineer / AEMT	13	Riley	Kevin	FF	2
Eibs	Amanda	EMT-B	3	Savatski	Matt	FF /Rescue Diver	4
Eibs	Eric	EMT-B	17	Scheel	Jonathan	EMT-B	2
Eibs	Mike	EMT-B	4	Schmidt	Steven	Assistant Chief	36
Foote	Cody	EMT-B	-	Sharbuno	Thomas	Deputy Chief	34
Godersky	Joanne	AEMT	2	Stalewski	Philip	EMT-P	-
Grittner	Michael	FF	3	Theis	Lisa	Admin. Asst./ EMT-B	4
Haas	Gerald	Engineer	18	Tiegs	Nathan	Asst Engineer / EMT-B	3
Hemming	Jacob	FF / EMT-P	4	Tietyen	Jeffrey	Engineer	30
Henckel	Jacob	FF / EMT-P	1	Travis	Oliver	Engineer	33
Henckel	Jessica	EMT-B	-	Ulm	Stephen	Captain	18
Hill	Eric	FF / Rescue Diver	8	Van Natta	Josh	EMT-P	1
Jajtner	Michael	Rescue Diver / Team Leader	18	Ward	Kevin	Captain	34
Kiener	Michael	FF / Rescue Diver	1	Weis	Jason	FF	2
Klopp	Andrew	Engineer	8	Zeigler	Scott	LT. / EMT-B	4

EMT-B = Emergency Medical Technician-Basic
AEMT= Emergency Medical Technician-Advanced
EMT-P = Emergency Medical Technician-Paramedic
FF = Firefighter

B. TRAINING

Captain Jim Langford coordinates fire training, and EMS training is coordinated by EMS Lt. Maribeth Barbuch and Lt. / EMT-Paramedic Joe DeBoer. Fire and Engineer practices are held on Monday nights each month. A minimum of sixty hours per year of fire training is required of each firefighter. EMS personnel are required to attend a minimum of six EMS training sessions per year and a 40-hour EMT refresher class every two years. EMS practice is held one night per month, as well as some joint fire/EMS drills throughout the year. The department's Rescue Dive Team holds two practices per month. Most of the practices are actual "in-water" drills in Lake Michigan, the Harrington Beach quarry, or the pool at T.J. Middle School. All three department components, Fire, EMS, and Rescue Dive, interact during joint training sessions throughout the year.

The following training hours were recorded in 2016:

Fire and Engineer – 3,167 hours

Rescue Dive Team - 505 hours

EMS - 1,071 hours

The following specialized training was completed in 2016:

CERTIFIED FIRE FIGHTER I (120 hours): Viktor Petrov

CERTIFIED DRIVER/OPERATOR-PUMPER (60 hours): Andrew Klopp and Jake Hemming

CERTIFIED DRIVER/OPERATOR-AERIAL (32 hours): Andrew Klopp

FIRE OFFICER I (40 hours): Jason Weis

ADVANCED OPEN WATER & RESCUE DIVER (30 hours): Michael Kiener

C. RESCUE DIVE TEAM

The department's Rescue Dive Team is coordinated by Team Leader Mike Jajtner and currently has nine members. The team logged over 500 hours in training in 2016, most of it underwater. Over the course of the last several years, the department was successful in obtaining \$60,295 in FEMA Port Security grant funding for the purchase of new equipment to outfit each team member with an entire dive ensemble. The last of that equipment, new SCUBA tanks, were purchased and placed in service in 2015.



The Rescue Dive Team conducts annual ice rescue training at Harrington Beach State Park in the Town of Belgium. 2016's session was also a joint training drill with the Mequon and Thiensville Fire Departments, as seen in the group photo.

V. APPARATUS

The Port Washington Fire Department's apparatus fleet is maintained under the direction of Assistant Chief Steve Schmidt. The staff consists of six Engineers and two Assistant Engineers, all of whom do a superb job to make sure all the fire and EMS vehicles are ready to respond in the event of an emergency. Each Engineer and Assistant Engineer is assigned two pieces of apparatus for maintenance purposes, but all eight are capable of driving and operating the entire fleet of apparatus. The department has a separate training night for Engineers, Assistant Engineers and any department member interested in the driving and operation of the department's vehicles. In 2016, 389 hours of Engineer training were recorded.

Weekly and monthly inspections are performed on each vehicle and preventive maintenance is done as needed. All vehicles receive annual maintenance in January that consists of oil and filter changes, lubrication, and other important services. In addition, annual fire pump testing is done in October on each apparatus equipped with a fire pump. Ground ladders and the department's aerial tower are tested each spring. Below is the current roster of apparatus for the Port Washington Fire Department.

<u>UNIT #</u>	<u>TYPE</u>	<u>YEAR</u>	<u>MAKE & CHASSIS</u>	<u>2016 RESPONSES</u>	<u>TOTAL MILEAGE</u>	<u>2016 MILEAGE</u>	<u>CONDITION</u>
450	AMBULANCE	2008	FORD/MEDTEC	363	56,956	5,780	VERY GOOD
451	AMBULANCE	2003	FORD/LIFELINE (93)	11	72,890	170	FAIR
452	AMBULANCE	2010	FORD/MEDTEC (12)	575	44,676	9,208	VERY GOOD
453	HEAVY RESCUE	2014	PIERCE ARROW XT	15	2,002	237	EXCELLENT
454	ALL TERRAIN	2005	POLARIS 6x6	5	147.1 hrs.	12 hrs.	VERY GOOD
455	PARAMEDIC INTERCEPT	2014	CHEVY SUBURBAN	281	17,168	6,149	EXCELLENT
456	COMMAND	2013	CHEVY SUBURBAN	138	35,256	8,896	EXCELLENT
457	BRUSH TRUCK	1992	CHEVY 4x4	6	13,725	281	GOOD
460	AERIAL TOWER	1997	PIERCE LANCE	9	10,902	557	VERY GOOD
462	ENGINE	1993	PIERCE DASH	2	23,423	358	GOOD
463	ENGINE	2008	PIERCE DASH	5	6,887	1,183	EXCELLENT
464	ENGINE	1999	PIERCE SABER	3	12,088	647	VERY GOOD
465	ENGINE	2006	PIERCE DASH	83	13,045	1,126	VERY GOOD
467	TANKER	1986	FORD/WELCH	8	9,594	201	FAIR
468	RESCUE DIVE BOAT	2013	JP MARINE 17'	4			EXCELLENT
469	FIRE BOAT	2010	BOSTON WHALER 25'	3	197 hrs.	23 hrs.	EXCELLENT
499	UTILITY	2001	CHEVY MINI VAN	Non-emergency vehicle	82,062	355	FAIR

PORT WASHINGTON FIRE DEPARTMENT'S APPARATUS FLEET



Ambulance 450



Ambulance 451

PORT WASHINGTON FIRE DEPARTMENT'S APPARATUS FLEET



Ambulance 452



Heavy Rescue 453



Medic 455



Command 456



Brush Truck 457



Aerial Tower 460

PORT WASHINGTON FIRE DEPARTMENT'S APPARATUS FLEET



Engine 462



Engine 463



Engine 464



Engine 465



Tanker 467



Marine 469