

Abington Township Fire Department



ABINGTON TOWNSHIP FIRE DEPARTMENT



Community Risk Analysis and Standards of Cover



September, 2018



AbingtonFD.org

Abington Township Fire Department

Community Risk Analysis and Standards of Cover

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Executive Summary

In order to provide the citizens of Abington Township with a defined scope of service that is expected from their fire services provider, a true and honest response standard must be understood and maintained. A cooperative understanding between elected officials, the community and the fire service must be fostered to first develop and then maintain this standard.

For more than a century the department's five volunteer fire companies have faithfully served the community. Often times these functions are maintained without the help of a mutual understanding of the expected levels of service. With this information our community can make decisions based on the services provided rather than on emotion.

It remains the ongoing responsibility of the fire service within Abington Township to work with community decision makers to establish an appropriate level of service the community can accept. This practice of continuously evaluating the ongoing risk provides for the maintenance of the agreed upon Community Risk Analysis and Standards of Cover. The elements considered in the overall assessment of services must include an agreed upon standard of measurement. The measurement standards help to identify the probability and consequences of the community's own risks.

From this basic risk assessment, a Standards of Response Coverage can be developed that brings together those aspects of the fire services, which in turn delivers the services to the community. This document will follow this basic plan. It will serve to identify those areas of Abington Township, which by their risk levels, demand a particular level of service.

Variables for providing the appropriate level of service include the proper amount of adequately trained and equipped personnel and the location of emergency response units. In the case of a fire emergency, this deployment of resources will be measured in the time it takes to establish an Effective Response Force (ERF). Creating this overall level of service consists of the decisions made regarding the Distribution and Concentration of resources in relation to the potential demand placed upon them by the level of risk in the community.

It is with these factors in mind that the department maintains a comprehensive risk assessment program for the community. The department is confident that the five fire companies deliver the levels of service determined through this process. To maintain these levels, it will require a complete understanding between the community's elected officials, township manager, department supervisors and the firefighters themselves that the residents have said through this process that this is the service they expect and demand. The Abington Township Fire Department (A.T.F.D.), is a multi-faceted fire and rescue emergency response agency which provides for the aforementioned safety needs of its citizenry. The service is customer based and continuously evaluated and redefined as the needs of the community may change.

Beginning in 2008, the Abington Township Fire Department (A.T.F.D.) embarked upon what may be the most significant project in its more than 100 year history, developing a Strategic Plan that would map out its future during the next three years. Strategic planning is a systematic process where the guiding members of an organization make decisions about its future, develop the necessary procedures and operations to achieve that future,

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and determine how success is to be measured. Our members, the internal stakeholders along with external stakeholders, including residents, business owners, community leaders and township officials met and provided invaluable feedback toward the development of a written Strategic Plan. This plan set forth a comprehensive Vision and Mission Statement that provided the department with a clear path into the future. This process was continued and in 2018 an up to date version of the Strategic Plan was completed and advertised.

The Standards of Cover for the Abington Township Fire Department (A.T.F.D.) is identified in the following document. The Commission on Fire Accreditation International (CFAI) describes the Standards of Cover as policies which are internally developed and based on agency's systematic performance, specifically related to Distribution and Concentration of resources. The department's response plan is based upon comprehensive risk scoring which includes an extensive risk assessment of occupancies in combination with incident frequency, occupancy density, fire density and response travel times.

Starting in 2006, the Abington Township Fire Department, utilizing existing Certified Fire Inspectors, began assessing the fire risk of facilities in the township. A system utilizing needed fire flows, pre-planning models and other non-fire related activities is currently being used. Data is input and tracked through an Excel Spreadsheet and evaluated/updated on a regular basis.

In conjunction with this program, each planning area was evaluated through the National Fire Incident Reporting System (NFIRS), to establish a history of incidents in each area as well as specific locations. The Fire Department has attempted to maximize the planning areas with assignment of available resources.

Available resources have been allocated based in an attempt to equally distribute coverage throughout the jurisdiction, as well as by providing redundancy of coverage to high frequency incident areas. Travel distance catchment maps were developed based on National Fire Protection Association (NFPA) 1720 industry standard travel time benchmarks to identify areas of non-compliance. Individual stations response district maps were analyzed to more thoroughly evaluate compliance including automatic and mutual aid companies.

The A.T.F.D. conducted a five year reliability study of current emergency service capabilities and performance. Although the department currently provides effective services to the community, opportunities for improvement have also been identified. Response times have been analyzed for both first arriving apparatus and the Effective Response Force for all types of emergency incidents. This analysis has revealed the department's compliance with CFAI credible travel time frames for the years analyzed in the reliability study, but also leaves room for improvement to align with NFPA 1720 response times.

Based on capabilities, critical tasking and historical performance the department has developed response performance objectives as part of this Standards of Cover. These time sensitive objectives were designed to provide realistic expectations for each type of service provided by the department. Baseline response times have been established and analyzed over the past three years. From this data, benchmarks have been established with the ultimate goal of bringing all responses into alignment with NFPA 1720.

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The Abington Township Fire Department continuously monitored service level baselines over a period of five years. A Compliance Team, made up of the Fire Services Administrator, members of the Administrative Support Team and Fire Marshal's Office, reviewed service level baselines on an annual basis. Included in the review was a summary of the results of the service level objectives, a comparison of current results to previous results and calculations of the difference in results between time periods.

The ultimate goal of the Standards of Cover is to develop credible and attainable recommendations for improvement. The recommendations included have been designed to address various areas of compliance in a fiscally responsible way in an effort to better protect the lives and property of its customers, the citizens of Abington Township.

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A. Description of Community Served

Abington Township is a 1st Class Township of about 55,000 residents located in southeastern Montgomery County, Pennsylvania. Abington Township is approximately 13 miles from center city Philadelphia. Cheltenham Township is Abington's southern neighbor. Abington's eastern border is Rockledge Borough and the City of Philadelphia. To the north are Upper and Lower Moreland Townships and Abington's west border is with Upper Dublin Township. Abington Township also surrounds the Borough of Jenkintown in the central area.

Abington Township is comprised of a number of communities, Abington, Ardsley, Baederwood, Crestmont, Edge Hill, Elkins Park, Jenkintown, Glenside, Meadowbrook, McKinley, North Hills, Roslyn, Rydal, and Willow Grove.

Abington Township is the twelfth largest community/government in the Commonwealth of Pennsylvania.

When William Penn came to Pennsylvania in the early 1680's, the region was populated with only a few hardy settlers along the Delaware River. With Penn's arrival, the process of granting land and settling the area began in earnest, an activity primarily fueled by English and Welsh settlers. By 1684, the lower portion of Abington Township was in private hands and by the end of the decade, all of the land in Abington Township had been granted.

In 1687, the Abington Monthly Meeting was organized.

Old York Road was the first of three major north – south arteries in the township (the other two being Easton Road and Huntingdon Pike). Old York Road was a toll road in 1804, Huntingdon Pike in 1846, and Easton Road in 1852. ¹

While improved roads allowed for greater stage coach traffic, it was the coming of the train that opened vast acres of farm land for residential development. Long before it was commonplace for everyone to live in the suburbs and take vacations, most non-farming people lived in the city.

Philadelphia was the largest city in the country until 1820 and only the very wealthiest of its citizenry were able to escape to the country. With the advent of the train, people were able to travel to the city during the day and sleep at home in the country at night. The first train through the area came in 1855, connecting Philadelphia and Gwynedd through Jenkintown and Glenside. In 1876, the Bound Brook Line (now SEPTA's West Trenton Line) became a branch line from Jenkintown. In 1794, Abington Township was incorporated; it had little government other than for collecting taxes. Jenkintown in 1874 and Rockledge in 1893 petitioned the State Legislature for separate status and each became independent Borough separating from Abington Township. In 1895, the electric trolley came to Willow Grove traveling through Abington and Cheltenham Townships. At this time the Willow Grove Park Amusement Park was born, now the site of the Willow Grove Park Mall.

¹ Information provided by the Old York Road Historical Society

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The 18th Century transformed a forested wilderness into an agrarian landscape and the 19th century transformed the land with the infrastructure of a diverse society, the 20th century completed the transformation to suburbia. The greatest change, however, occurred after World War II. The desire for, and the fundamental feasibility of, suburban living erased the agrarian vestiges of earlier times. Farm after farm was developed in the 1950's and the distances and the distinctions that separated one village from the next all but disappeared.

Abington Township received its 1st Class Township Status from the Pennsylvania State Legislature in 1906. Abington Township is a Commissioner – Ward form of government comprised of 15 elected commissioners who appoint a township manager who manages the day to day operations of the township.

Legal Basis

Volunteer fire companies began their long history of service to the community in 1889, when the Abington Fire Company was chartered, followed by Weldon Fire Company in 1904, McKinley Fire Company in 1906, Edge Hill Fire Company in 1908 and Roslyn Fire Company in 1922. By way of Township Ordinance #62, the Abington Township Fire Department was legally organized on April 23, 1912. In 1953 by means of an amended township ordinance the current day, five volunteer fire companies were formed into the Abington Township Fire Department (A.T.F.D.).

The A.T.F.D. falls under the supervision of the Abington Township Public Safety Committee. This committee is comprised of four of the 15 elected Commissioners. The Public Safety Committee meets quarterly with the A.T.F.D. at Fire Board Meetings. These meetings are scheduled and appear on the township issued calendar and the public is welcome to attend. Typically any proposed legislation related to the fire department, fire safety, etc., is first presented at a Fire Board meeting. If agreed upon the proposed legislation is then forwarded to the Abington Township Board of Commissioners Public Safety Committee, a group of four to five elected commissioners. If approved at a Public Safety meeting, the proposed legislation then moves to the next monthly full Board of Commissioners meeting. The full board then approves the advertisement of the proposed legislation, "Township Ordinance" in the local newspaper. The public notification in the newspaper also lists a date and time for a public hearing on the proposal. Typically, the time and date listed for the public hearing is the next regularly scheduled full Board of Commissioners meeting. At the next full board meeting, the regular meeting is suspended and a public hearing takes place. During the public hearing, the pros and cons of the proposed ordinance are discussed by both elected officials and any interested resident. After completion of the public hearing, the regular meeting resumes with a vote on the proposed ordinance takes place. If a majority of the elected commissioners vote in favor, the proposed ordinance becomes law.

The five Abington Fire Companies by ordinance comprise the A.T.F.D. Each company however, is separately chartered having its own set of by-laws and operate independent of one another. By virtue of their by-laws, they elect their officers consisting of president, vice president, secretary, treasurer, chief, deputy chief, assistant chief, captain and lieutenants. The fire companies establish the criteria for these positions.

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History of the Agency

As mentioned earlier, Abington Township has had organized fire protection dating back to 1889. The Fire Services within the township pre-dates the Abington Township Police Department and pre-dates Abington as a 1st Class Township. Early fire protection consisted of horse drawn carts, followed by gasoline powered pumpers and chemical units. As each of the Fire Companies was formed, they were located within the center of the small communities that they served. The earliest method of alerting members was a small sledge hammer applied to a steam locomotive tire. In the 1930s, fire house sirens were installed. The sirens were activated via phone lines from the Abington Police Station. A large number of Abington Township Firefighters left to serve during World War II. During this period, many female members of the community stepped in to fill the void left by those men who chose to serve in the armed forces. When these members returned, they brought back with them an appreciation of the training and organizational skills they witnessed while serving their country.

By the mid-1950s, they, along with the cooperation of elected officials, revised an existing ordinance re-defining the A.T.F.D. They also, again with the assistance of elected officials, were granted land near the Abington Township Public Works Yard and constructed a five story Fire Training Facility, one of the first fire training facilities in Montgomery County.

There have been many notable fires fought by the Abington Township Fire Department. In the early 1900s there were numerous lumber and coal company fires in the township and surrounding municipalities. Over the past fifty years, the A.T.F.D. has participated in numerous significant church, restaurant, apartment and amusement park ride fires.

Service Milestones

During the early years of the Fire Department, the companies operated with two engines capable of pumping 500 gallons per minute (GPM) utilizing 2 1/2" supply lines to the hydrant system throughout the township. As each of the communities began to explode in growth after World War II, the need for larger schools, churches and shopping facilities also grew. In the fifties, two of the township companies added aerial devices to the fleet of apparatus. Both aerials were straight tip ladders of 75 feet. The benefit of these purchases was realized on December of 1952, when a major fire destroyed much of the historic Keswick Theatre. Both aerials were in service throughout the day and evening flowing ladder pipes and providing egress to and from the roof areas of the complex. Also added through the 1950s were larger engines with 750 GPM pumps which led to the use of 3" supply lines. The 1960s continued to progress with advances in apparatus and equipment. By 1970, the Fire Department operated three, 100 foot aerial devices as well as ten - 1,250 GPM engines, air truck and one heavy rescue unit. A large indoor shopping mall was added in Station 500's first due response area in the early 1980's. This necessitated the purchase of an aerial tower capable of truck operations for that first due station. As technology changed, the amount of chemical related emergencies saw a rise through the 1980s. Abington Township began in 1985 in the formulation of what is today the Montgomery County Hazardous Materials Response Team. Members were trained and equipped for technician level response to the release of hazardous materials. This practice continues today.

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Continuing in the community's growth, Abington Memorial Hospital continued expansions and in 1995, constructed a pedestrian tunnel under the four lane Old York Road. This required the Fire Department to provide for the response to a possible collapse with entrapment. Prior to construction of the tunnel, the Fire Department trained its personnel in confined space and collapse rescue, purchasing technical rescue equipment and protective equipment. Today, the equipment for collapse and confined space rescue are housed and transported in a 24 foot enclosed trailer. In 1996, severe thunderstorms dumped more than 10 inches of rain on the township flooding many communities over a large area. This event stretched the resources of the Department and identified the need for water rescue equipment, training and procedures. Over the next three years a water rescue team was formed and equipped.

In 2003 the leadership of the A.T.F.D. realized the need to improve the fire service being provided to the citizens of Abington Township. Additionally, the A.T.F.D. leadership wished to improve the relationship it had with the elected officials and township administration. A number of steps were taken and continued:

- Chief's meetings were formalized with an agenda.
- Operational Guidelines (O.G.'s) were established.
- Common Township approved fire department application for membership.
- Funding for local training.
- Established a Recruitment & Retention Program.
- Established a computer network Records Management System.

The insurance industry, through the Insurance Services Office (ISO), rates fire departments based on fire protection and other services, which determines the cost of insurance premiums based on a "Class Scale" of Class 1 to Class 10 (class 1 being the best). The ISO usually inspects every 10 years.

From the 1950s until 2005, the Abington Township Fire Department was rated a Class 5. In 2005, after an ISO inspection, the A.T.F.D.'s rating improved to a Class 4. Effective January 1, 2017, after another inspection, the A.T.F.D.'s rating again improved, to a Class 3.

Financial Basis

The 1936 Annual Report of the Abington Township Board of Commissioners lists a total of \$13,000 as a contribution to volunteer fire companies. The Abington Township Board of Commissioners, authorized by the Code of Abington Township annually appropriated funds to be equally divided among the five volunteer fire companies. This practice was followed until 1967, at which time the Board of Commissioners, authorized by First Class Township Code of the Commonwealth of Pennsylvania, began assigning a dedicated fire tax millage solely for fire purposes. Article XVII of the First Class Township Code defines under Tax Levies the specific items that the fire tax monies may be distributed for. Tax revenues continue to be divided equally among the five fire companies. The funds must be utilized for the purpose of building and maintaining appropriate places for housing fire apparatus, as well as purchasing, maintaining and operating fire apparatus.

Under the First Class Township Code, the millage may not exceed three mills. If the rate is to be set at a higher level than three mills, the question is submitted to the voters on the

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election ballot. This was the case in 1997 when voters overwhelmingly approved an additional two mills for fire purposes. The county-wide reassessment was effective in 1998 thereby negating any need to exceed the three mill threshold.

Up until 2005, fire related activities, hydrant rentals, cost of the Fire Marshal's Office, were still being funded from the general fund. After 2005, the fire tax was increased and now, all costs related to fire protection is now funded from the fire tax.

An additional benefit of being an all-volunteer Fire Department is that the added expense of a full time career fire fighting force does not exist. All monies received go directly to the department's operating funds. Any change to the appropriations paid to the Fire Department must be approved by the Township Board of Commissioners or go before the voters in referendum.

Aqua of PA supplies water to Abington Township. Each year, Aqua PA bills the Township for a Hydrant Rental Fee based on the number of public hydrants within the Township. Abington Township currently pays Aqua of PA rental on 722 fire hydrants.

The current system of funding through the fire tax has been consistent with the operation of the volunteer fire department. Finances have been available to meet the needs of the community and will continue to be assessed and modified as changes in the property values of the community may occur.

Area Description

Topography

Abington Township consists primarily of tree lined residential streets that are comprised predominately of single family and twin dwellings. There are several commercial areas including one large shopping mall and two large hospitals. Abington Township Parks and Recreation maintain four large parks 13 small parks, two community pools and 400 acres of open space. The township is situated on a number of rolling hills with slopes averaging around 35%. There is one large industry in Abington Township and several smaller light industrial areas.

Climate

Abington Township is located just north of Philadelphia, which is located at the confluence of the Delaware and Schuylkill rivers on the eastern border of Pennsylvania. The Appalachian Mountains to the west and the Atlantic Ocean to the east moderate the climate, eliminating extremes of hot and cold weather. Occasionally during the summer months the township becomes engulfed in ocean air that brings high humidity. Precipitation is fairly evenly distributed throughout the year, with maximum amounts during the summer months. High winds sometimes prevail during the winter months. Average Temperatures: January, 32.0° F; August, 75.3° F; annual average, 53.6° F. Average Annual Precipitation: 45.7 inches of rain; 20.5 inches of snow. In the past 10 years, the area has been subject to numerous heavy rain events some with upwards of ten inches over a 24 hour period leading to localized flooding. Summer and early fall storms affecting the area included Hurricanes Irene, Lee in 2011 and Sandy in 2012. Some severe winter storms have brought up to 36 inches of snowfall along with ice and heavy winds.

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Population

According to the 2010, U.S. Census, the population of Abington Township is 55,310. Over 90 percent of the population surveyed has completed their high school education with over 40 percent achieving college graduation. The population is a mix of laborers and professionals. Over 50 percent of the population is married, with 79 percent living in owner-occupied residences. Demographically, the population is split 53 to 47 percent male – female respectively. The median age of residents is 41, with a 16 percent population over the age of 65. Racially the township is predominantly Caucasian with 20 percent minority groups of black, Hispanic and a growing Asian community. Economically, the township's performance is above the national average with a median income of 74,946 dollars per household. Less than 3 percent of the families are at or below the poverty level.

The United States Fire Administration has identified three populations that are most at risk from fire. These include children under the age of five, physically disabled people, and people over the age of 65. Population projections from the U.S. Census Bureau estimate that children under the age of five make up approximately 5.4% of the population of Abington Township and people over the age of 65 account for 16.9% of the population. There are currently no projections for the physically disabled. The Abington Township Fire Department has ongoing Fire Safety Education programs to reduce these risks in all categories to include Community Service Specialist visits to all elementary schools and day care centers. Senior Citizen Center fire safety lectures as well as free smoke and carbon monoxide detector programs. A flag system for the CAD dispatch has been in use since the late 1960s identifying those residences with special needs.

Disaster Potentials

Abington Township lies in the southeastern portion of Pennsylvania at an elevation of 295 feet above sea level. Average rainfall is approximately 45 inches with an average of 20 inches of snow per year. Abington experiences on average 109 days of precipitation. The months of May and September are the wettest. September has been known for heavy thunderstorms with flash flooding and high winds due to the remnants of hurricanes and tropical storms moving up the east coast. In September of 1996, one such storm dropped ten inches of rain on the township in less than four hours. Tragically this storm and ensuing floods resulted in the death of two residents.

January and February have historically experienced the heaviest snowfalls with recent blizzards dropping upwards of two feet of snow on the region. The average single snow event drops around 3-6 inches of snow. Although the average temperatures range from lows of 24 degrees in January to highs of 87 degrees through July, Abington Township has experienced periods of summertime temperatures above 100 degrees and winter temperatures dropping below 10 degrees.

Emergency Management groups across Pennsylvania have identified the top 10 disasters that could affect the residents of the state. These disaster potentials are realistic to the Township of Abington and its residents.

- Floods

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- During the spring and fall seasons, local creeks may swell and isolated roadways and neighborhoods flood. Summer thunderstorms have produced up to 10 inches of rain with large areas of the township flooded with up to four feet of water. Since 1996, four 100 year floods have occurred in the township. These flood prone areas have been identified and mapped for pre-planning purposes.
- Fires
 - Although the township is listed as a medium risks for wildland fire, this has not occurred in the township. The greatest risk of fire remains the single family dwelling.
- Winter Storms
 - With average annual snowfalls listed around 20 inches, the township has received snowfalls in excess of 24 inches. Ice accumulation during some of these storms has been significant enough to bring down trees and power-lines.
- Tropical Storms, Tornadoes and Wind Storms
 - Although the township is land locked and over 60 miles from the Atlantic coastline, it does encounter the effects of hurricanes and tropical storms moving up the eastern seaboard. Numerous tropical storms have dumped up to 10 inches of rain with high winds on the area. In 2011 Tropical storms Lee and Hurricane Irene brought high winds toppling trees and rain waters causing sporadic flooding. In 2012 Hurricane Sandy brought devastating winds to the area.
- Hazardous Material Incidents
 - Although there are SARA sites within the township, hazardous materials incidents have been restricted to heating oil or gasoline spills from tanks or motor vehicles. Occasionally, the Fire Department may be called out for a broken thermometer leaking mercury.
- Earthquakes and Landslides
 - Historically, Abington Township has not been affected by a major earthquake. Very small tremors have been felt as in the West Virginia earthquake that shook the east coast in 2011.
- Nuclear Threat
 - The township is located within 25 miles of the Limerick Nuclear Generation Plant and is in the Montgomery County Emergency Action Plan for any significant incident at the plant.

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- Dam Failures
 - There are no large dams in the township that would cause catastrophic flooding to the area. A small retention dam is located in the Ardsley section of the township and would cause isolated flooding downstream if breached. This would affect approximately 30 single family homes and is planned for in the Abington Township Emergency Action plan.
- Terrorism
 - Although there are no identified threats to specific targets in the township, one large indoor shopping mall and two area hospitals are within the boundaries of the township. Abington is also within 25 miles of center city Philadelphia and part of the Southeastern PA Terrorism Task Force should something occur within the city.

Area Development

All of Abington Township's growth has been internal. The geographical service area has remained the same for 100 years. The service the A.T.F.D. has provided has changed drastically from the days of horse drawn hose carts with more technical responsibilities being placed upon the fire service. The A.T.F.D. stands ready to serve and protect the citizens from all perils. New commercial properties throughout the township are required under the fire prevention code to be of non-combustible construction with sprinkler and fire alarm systems installed. There is one large manufacturing company in the township, but the majority of commercial properties are retail and service oriented. Single family and twin residences vary in type and size throughout the township. Dwellings range from single story ranch styles homes with no basements to 4,000 sq. ft. homes with full basements and three stories. Earlier homes built prior to 1950 consist mainly of balloon style construction, while later models are primarily ordinary construction with fire blocked wood framing. Today's homes are incorporating more and more engineered lumbers and veneers, presenting additional hazards to the fire fighter. There are only a handful of single family residences that have automatic sprinkler systems. In 2011, the Commonwealth of Pennsylvania elected not to include the sprinkler requirement in its residential building codes.

Demographic Features

As of 2010 the U.S. Census Bureau estimated there were 55,310 people, 21,252 occupied households, and 14,819 families residing in the township. The population density was 3,563 people per square mile (1,377/km²). The racial makeup of the township was 80% White, 12% Black, 3% Asian, a fraction of a percent Pacific Islander, 1% from other races, and 3% from two or more races. Hispanic or Latino of any race was 3% of the population.

There were 21,252 households out of which 32% had children under the age of 18 living with them, 11% had a female householder with no husband present, 56% were married couples living together, and 30% were non-families. 26% of all households were made up of individuals and 12% had someone living alone who was 65 years of age or older. The average household size was 2.56 and the average family size was 3.11.

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In the township the population was spread out with 22% under the age of 18, 9% from 18 to 24, 25% from 25 to 44, 29% from 45 to 64, and 16% who were 65 years of age or older. The median age was 42 years. The population was 47% male, and 53% female.

The median income for a household in the township was \$77,363, and the median income for a family was \$94,473. The per capita income for the township was \$38,737. About 2% of families and 3% of the population were below the poverty line, including 1% of those under age 18 and 5% of those who are age 65 or over.

Housing Units: 21,388 Dwelling Units

Median Housing Value: \$257,500 Single Family

Median Income: \$74,946 per Household

Median Age: 41.7 Years

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

B. Services Provided



Figure 1 Abington Township Fire Department

As of 2018, the A.T.F.D. is comprised of five all-volunteer fire companies consisting of 174 state certified fire fighters. The fire marshal's office consists of two full time NAFI certified fire investigators, inspections and prevention experts. Additionally, five part-time fire prevention technicians.

There is a formal organizational chart where the Fire Marshal and the Fire Department Fire Services

Administrator serve as department Directors. Within

each fire company there are common staff management each consisting of one (1) chief, one (1) deputy chief, one (1) assistant chief, one (1) captain, and two (2) lieutenants.

The A.T.F.D. provides twenty four hour emergency service 365 days a year with an all-volunteer fire fighting force. The most common service provided is fire and rescue services; however, routinely the A.T.F.D. provides additional service including EMS assist, environmental conservation, hazardous materials (Haz-Mat), emergency management, assist police, traffic control (fire police), public education fire prevention, fire inspections, code enforcement and risk reduction activities. Fire services are provided to specific jurisdictional areas from five (5) fire stations. Additionally, the A.T.F.D. enjoys an outstanding relationship with all the surrounding communities and fire service providers. We have written mutual and automatic aid agreements with all surrounding communities except the City of Philadelphia. The Abington Township Fire Department provides and receives automatic mutual aid via the Montgomery County Emergency Dispatch Center.

Service Delivery Programs

Fire Suppression

Abington Township Fire Department's main function is to serve the citizens of the township with the goal of protecting life, property and the environment by providing excellence in services and public safety.

The Fire Department protects the citizens of Abington Township and surrounding communities not only by responding to fires, motor vehicle collisions and other emergency events, but also through carrying out investigations and promoting fire prevention.

Abington Township's firefighters are among the best trained in the area— more than 80% of active firefighters are certified to the Fire Fighter I level with approximately 40 %

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

possessing Fire Fighter II certification, they respond to diverse emergencies in our township and surrounding communities. Their basic training includes fire ground attack, equipment training, rescue techniques and medical first aid.

The Fire Department operates four 100 foot aerial devices with pre-piped waterways, one 2000 GPM engine with 54' elevated master stream, nine 1500 GPM or greater engines with 750 gallon water tanks. Each engine carries an array of 1 ¾" and 2 ½" hand-lines pre-connected for initial attack. A minimum of 1,000 foot of 5" supply hose is carried on each with an additional hose lay of 3" hose.

Rescue

The Fire Department provides all emergency rescue services for the Township and supports the surrounding communities with resources. Members are trained in Basic Vehicle, Water, High Angle, Trench, Confined Space, and other specialties up to and including technician level.

The Fire Department operates one heavy rescue apparatus out of Station 300, a technical rescue trailer stationed at the Training Facility, along with three inflatable boats.

Each front line engine carries basic rescue equipment providing capabilities to begin/complete minor rescue techniques. Aerial apparatus provide equipment and platforms for high, low and specialized rescues.

Medical

Emergency Medical Services are contracted by Abington Township with the Second Alarmers Rescue Squad of Willow Grove. The Second Alarmers Rescue Squad provides all EMS services within the Township. The Fire Department may be requested by the Second Alarmers for a medical assist from time to time. These incidents usually involve providing manpower for the lifting of heavy patients or to provide resources for non-rescue extrication of a patient from a limited access area. Such extrications have included lowering patients through windows where stairway access was compromised.

Hazardous Materials

Hazardous materials responses are through the Abington Township Fire Department with all members trained to the Operations Level. The Fire Department is further supported by the Montgomery County Hazardous Materials Response Team (MCHMRT) with units stationed within Abington Township at the Fire Training Facility.

Each first out apparatus carries basic personal protective equipment, as well as air monitoring devices and are capable of performing emergency decontamination. Hazardous Materials response bags are maintained at each of the stations provided up to level B protection when required.

The Fire Department houses and maintains two apparatus for the MCHMRT and has access to the equipment and materials stored within them. The department also houses a MCHMRT foam trailer capable of delivering class A or B foam to an incident for sustained periods.

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Specialized Services

The Fire Marshal's Office has a full time staff of personnel certified in Fire/Explosion and Vehicle Fire investigation. They are the primary Cause & Origin investigators within the township and provide assistance to surrounding communities upon request through mutual aid.

Full and part time staff provides Fire Prevention and Public Education services throughout the year, as well as conducting building inspections.

Current Deployment

Points of Service Delivery

The Fire Department has facilities that are adequate and properly distributed within the Fire Department's response area for providing emergency services to the population served. The Fire Department training facilities are centrally located within the township to provide easy access to all Fire Department personnel saving on times out of service and allowing for efficient response from the facility.

The Township has been divided into five initial response areas hereafter referred to as Districts. Each District is identified by the Fire Station providing initial response to emergency incidents. The Districts are: 100, 200, 300, 400, and 500. Abington Fire Company, District 100 is bounded on the north by Lower and Upper Moreland Townships, the east by the west Trenton Branch of the SEPTA Railroad, The south by Jenkintown Borough and to the west by Highland Avenue, Edge Hill Road and the Warminster Branch of the SEPTA Railroad. McKinley Fire Company, District 200 is bounded on the north by Lower Moreland Township, the east by the City of Philadelphia and Rockledge Borough, the south by Cheltenham Township and the west by the West Trenton Branch of the SEPTA Railroad. Weldon Fire Company, District 300 is bounded on the north by Florey Lane, the east by Highland Avenue and Edge Hill Road, the south by Cheltenham Township and the west by the Warminster Branch of the SEPTA Railroad. Edge Hill Fire Company, District 400 is bounded on the north by Susquehanna Road, the east by the Warminster Branch of the SEPTA Railroad, the south by Cheltenham Township and the west by Upper Dublin Township. Roslyn Fire Company, District 500 is bounded on the north by Moreland Road, the east by the Warminster Branch of the SEPTA Railroad, the south by Susquehanna Road and the west by Upper Dublin Township.

Resources

The Abington Township Fire Department provides the community with fire, rescue and first responder hazardous materials response. Within Abington Township all EMS is provided by an outside or third party contractor, the Second Alarmers Rescue Squad (SARS) of Willow Grove, PA. The A.T.F.D does however maintain a close working relationship with SARS. Several A.T.F.D. firefighters are members of Montgomery County's State Certified Hazardous Materials Response Team. The A.T.F.D. is also part of the Montgomery County Fire Task Force. The A.T.F.D. staff officers actively participate with Abington Township Emergency Management Planning Group.

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Existing Fire Companies

Station 100 Abington Fire Company. **1920 Horace Avenue, Abington, PA 19001**

Established in 1889, Abington Fire Company is centrally located in the township. The Company serves an approximately four square mile district of mixed residential and commercial structures. The first due area contains Abington Memorial Hospital, a 1st class trauma center as well as two large retail centers along Old York Road. The Abington Junior and Senior High Schools as well as two public and two private elementary schools are included in the first due. As of 2018, the company responds with an active membership of 46 members with the following apparatus, providing fire and rescue services to the community:



Figure 2 Station 100 Abington Fire Company

- (1) – 2000 Pierce 2,000 GPM squirt
- (1) – 2011 Pierce 1,500 GPM squad
- (1)- 2003 Pierce 105’ ladder @ 250 GPM pump
- (1) – 2014 Pierce Mini Pumper 750 GPM pump
- (1) – Command Vehicle

Station 200 McKinley Fire Company. **893 Jenkintown Road, Elkins Park, PA, 19027**

McKinley Fire Company is located on the southeast corner of the Township. The local district extends from Cheltenham Township in the south to Lower Moreland Township on the north. It borders Jenkintown Borough on the west side and the City of Philadelphia to the east. The company protects many small single family neighborhoods ranging in low to high density. There are two large wooded parks as well as



Figure 3 Station 200 McKinley Fire Company

sprawling farm and wooded areas comprising approximately 30 percent of the district. They also protect several high rise buildings including the 100 Old York Apartments, Plaza Apartments and The Pavilion commercial building. There are four elementary schools in the primary response area as well as professional offices, small shopping centers, a nursing home and hospital. The company lists an active membership of 23 members responding to fire, rescue and service calls with the following apparatus:

- (1) – 2006 Seagrave 1,500 GPM engine
- (1) – 2017 Seagrave 1,500 GPM squad
- (1) – 2008 Seagrave 100’ ladder
- (1) – Utility vehicle

ABINGTON TOWNSHIP FIRE DEPARTMENT

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Station 300 Weldon Fire Company, **412 N. Easton Road, Glenside, PA 19038**

Weldon Fire Company is located on Easton Road, a major north south thoroughfare in the south-central portion of Abington Township. The first due area is approximately two square miles of densely populated single family homes with one major large commercial/manufacturing business. There are two elementary schools, numerous churches and the historic Keswick Theater with retail districts in the first due. The company provides heavy rescue services throughout the township and surrounding municipalities. The company was established in 1904 and as of 2018 boasts an active membership of 43 members. Weldon also houses and responds with the Abington Township Air Support Unit. Apparatus maintained and operated by the Company include:

- (1) – 2010 Pierce 2000 GPM engine
- (1) – 1996 Spartan-Saulsbury 2000 GPM engine
- (1) – 2016 Rescue1 heavy rescue
- (1) – 1993 GMC-Saulsbury air/light unit

Station 400 Edge Hill Fire Company, **2843 Limekiln Pike, Glenside, PA 19038**

The Edge Hill Fire Company is located on the south-west corner of Abington Township and serves a first due area of approximately two square miles. The communities are primarily medium to high density single family homes with two garden style apartment buildings, light retail, two churches, a nursing home and one school.

The Company provides a Rapid Intervention Team (RIT) for the Township as well as surrounding communities. As a truck company, Edge Hill operates as a first due with all surrounding communities on automatic aid. Established in 1908, the Company had a roster of 42 active members in 2018. Response apparatus maintained and operated by Station 400 include:

- (1) – 2006 Pierce 1,500 GPM engine
- (1) – 1995 Pierce 1,500 GPM pipeline
- (1) – 2000 Pierce 105' ladder
- (1) – 12ft inflatable Zodiac boat



Figure 4 Station 300 Weldon Fire Company



Figure 5 Station 400 Edge Hill Fire Company

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Station 500 Roslyn Fire Company, **1128 Bradfield Road, Roslyn, PA 19001**

The Roslyn Fire Company is located in the north-west section of the township. The station is in close proximity to Easton Road, a major north-south thoroughfare for this section of the Township. The company covers an approximately four square mile district of primarily single family dwellings with moderate density. There are numerous churches, three schools, a nursing home strip shopping centers and a large indoor shopping mall located in their first due response area. Roslyn provides primary fire, rescue and service responses for this community as well as automatic and mutual aid to surrounding districts and municipalities with a 64 member roster as of 2018. The company responds with the following apparatus:



Figure 6 Station 500 Roslyn Fire Company

- (1) – 2005 Pierce 1,500 GPM engine
- (1) – 2015 Pierce 1,750 GPM squad
- (1) – 2001 Pierce 95' @ 1,750 GPM tower ladder
- (1) – 1997 Ford Utility vehicle
- (1) – Command Vehicle

A.T.F.D. Headquarters **1176 Old York Road, Abington, PA 19001**

The administrative offices of the Fire Department are located in the Abington Township Municipal Building. The Office of the Fire Marshal performs all scheduling, tracking and documenting of fire prevention inspections. Documents and files are maintained on all commercial structures within the township. The office also maintains all files associated with fire investigation. The office is staffed by a full time Fire Marshal, a Community Service Specialist and Secretary, along with one part-time Fire Inspector. The Office of the Fire Administrator operates with four part time personnel, the Fire Services Administrator, a Computer Network Coordinator, the Fire Training Coordinator and Operations Support staff. Documentation and filing is maintained on all Department policies and procedures. Fire safety and prevention training is also conducted by office personnel for the general public and commercial partners. The staff operates with the following pieces of equipment:



Figure 7A.T.F.D. Headquarters

The office is staffed by a full time Fire Marshal, a Community Service Specialist and Secretary, along with one part-time Fire Inspector. The Office of the Fire Administrator operates with four part time personnel, the Fire Services Administrator, a Computer Network Coordinator, the Fire Training Coordinator and Operations Support staff. Documentation and filing is maintained on all Department policies and procedures. Fire safety and prevention training is also conducted by office personnel for the general public and commercial partners. The staff operates with the following pieces of equipment:

- (1) – SUV Fire Marshal vehicle
- (1) – 2009 Ford–Special Service (Inspection/Prevention)
- (1) – 20ft Collapse/Technical Rescue Trailer
- (2) – 16ft inflatable Zodiac boats
- (1) – 24ft Enclosed Fire Prevention/Support Trailer

ABINGTON TOWNSHIP FIRE DEPARTMENT

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Response Areas

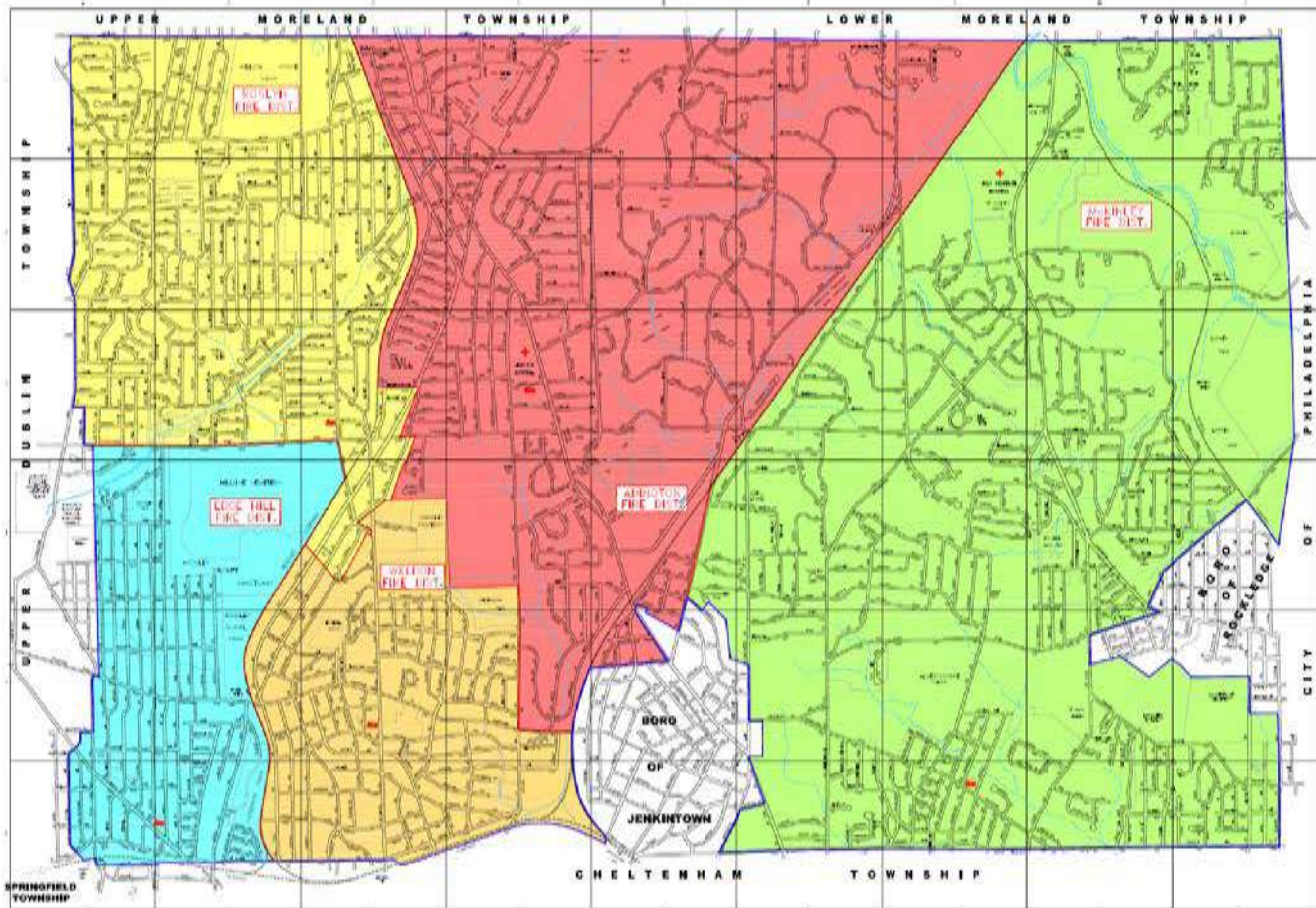


Figure 8 Response Areas

Community Response History

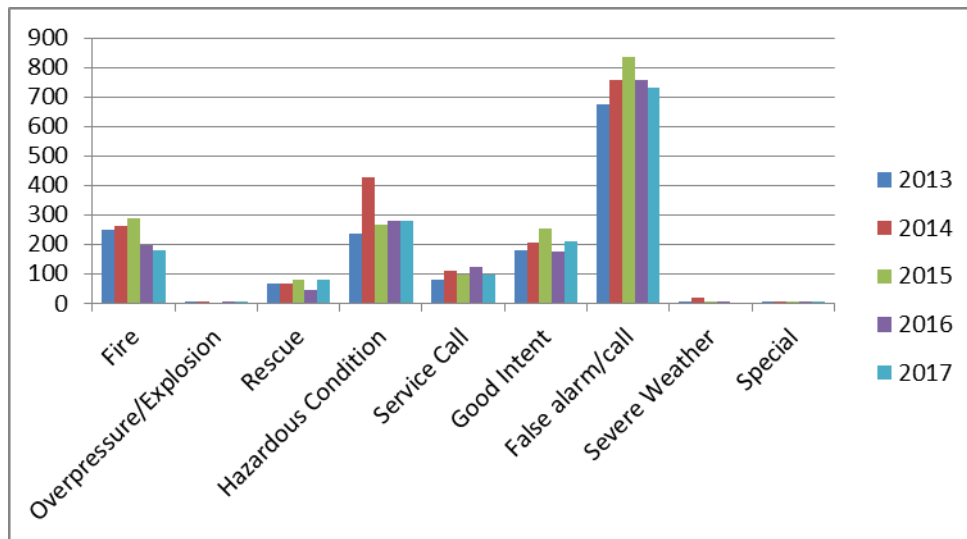
A review of the historical data for the five year period ending December 31, 2017 indicates the Fire Department responded to a total of 8,327 incidents in the township. Nearly 50 percent of those incidents are comprised of false/alarm calls. Fire suppression accounted for 1,177 calls during this same period. Abington Fire Company (District 100) accounted for 23% of all calls with 52% of incidents in the Still District being false/alarm calls. McKinley Fire Company (District 200) accounted for 23.9% of all incidents with 194 fire suppression calls and 1,066 false/alarm incidents. Fire suppression accounted for 22% of the 822 total incidents in the Weldon Fire Company (District 300) response area. The Edge Hill Fire Company experienced a call volume of 443 incidents over the same five year period. Fire suppression accounted for 19% of all calls within this District. Roslyn Fire Company (District 500) accounted for 21.4% of the Department's responses with 959 or 54% being false/alarm calls. Incident Data Charts are available in Section I. A.

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Table 1 Township-Wide Incident Experience

TOWNSHIP WIDE INCIDENT EXPERIENCE						
TYPE INCIDENT	2013	2014	2015	2016	2017	TOTAL
Fire	251	260	290	198	178	1177
Overpressure/Explosion	3	1	0	4	2	10
Rescue	68	66	79	43	79	335
Hazardous Condition	237	428	265	279	278	1487
Service Call	81	109	96	122	98	506
Good Intent	180	207	254	177	210	1028
False alarm/call	674	755	834	755	729	3747
Severe Weather	3	17	2	1	0	23
Special	1	3	4	4	2	14
Total Incidents	1498	1846	1824	1583	1576	8327



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

C. Community Expectations and Performance Goals

Community Expectations

Service Delivery Program Transitions

Beginning in 2008, the Abington Township Fire Department (A.T.F.D.) embarked upon what may be the most significant project in its more than 100 year history, developing a Strategic Plan that would map out its future during the next three years. Strategic planning is a systematic process where the guiding members of an organization make decisions about its future, develop the necessary procedures and operations to achieve that future, and determine how success is to be measured.

A strategic plan:

- Provides short-term direction;
- Builds a shared vision;
- Sets goals and objectives;
- Optimizes use of resources.

Our members, the internal stakeholders along with external stakeholders, including residents, business owners, community leaders and township officials met and provided invaluable feedback towards the development of a written strategic plan. This plan set forth a comprehensive vision and mission statement that provides the department with a clear path into the future. Additionally, this Strategic Plan identified the core values that embody how the department's members and companies, individually and collectively, will carry out the department's mission. The plan identifies goals, objectives and strategies that will allow the fire department to realize its vision. The Strategic Plan was officially adopted by the Fire Department and Abington Township Board of Commissioners.

Performance Expectation Goals

Mission Statement

An organization's mission is the foundation for priorities, strategies, plans and work assignments. It is the starting point for the design of jobs and the design of organizational structure.

The mission statement of an organization is intended to describe, in succinct terms, the purpose for the organization's existence. It articulates the principal reason for the fire department's presence within the community.

A clear mission statement is essential for formulating effective current and future strategies. The Abington Township Fire Department, through a collaborative process, developed the mission statement listed below:

The Abington Township Fire Department is a dedicated team of volunteer firefighters comprised of five individual fire companies unified as one department with a mission

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

to provide excellent fire, rescue, fire prevention, and public education services to ensure the health, safety, and welfare of the community.

Performance Goals

The Center for Public Safety Excellence (CPSE) promotes the belief that, for a strategic plan to be valid, the customer's view on the strengths and image of the emergency services organization must be established. Needless efforts are often put forth in over-developing areas that are already successful. However, proper utilization and promotion of the customer-identified strengths may often help the organization overcome or offset some of the identified weaknesses.

The customer-driven strategic planning process would fall short and be incomplete without an expression from the customer regarding their concerns about the agency. The new Strategic Plan goals map the Fire Department's continued commitment to excellence in the fire service.

The Abington Township Fire Department, its five member companies, and their 220 plus volunteers have always been dedicated to providing professional fire suppression and prevention services that meet the specific needs of the township and its residents. But this goal is not a static target. Abington Township continues to evolve. The materials used to build structures change, as does construction type and density. The challenges of operating and funding a large volunteer organization and finding and keeping enough volunteers to do so successfully also change. This is why the fire department has developed a new five-year strategic plan.

After a series of workshops to gather feedback from people who live and work in Abington as well as members of our five fire companies, the ATFD developed six strategic goals for the period from 2018 through 2022:

- Create an awareness program to better inform the community about fire department operations.
- Enhance firefighter health and safety programs.
- Implement new recruitment and retention programs to ensure adequate personnel to accomplish our mission.
- Improve physical resources and facilities, including fire stations and our fire training facility, to meet the expectations of the community.
- Continue to improve our programs and facilities in order to support our successful culture of training.
- Update all ATFD documents and operating guidelines.

These ideas are not brand new concepts to ATFD. The organization's achievements in these areas and more are evidenced by its status as the only volunteer fire department in

ABINGTON TOWNSHIP FIRE DEPARTMENT

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Pennsylvania to achieve Commission on Fire Accreditation International (CFAI) accreditation.

Community Service Expectations

Understanding what the community expects of its fire and emergency services organization is critically important to developing a long-range perspective. With this knowledge, internal emphasis may need to be changed or bolstered to fulfill the customer needs. In certain areas, education on the level of service that is already available may be all that is needed. The following are the top ten expectations of the customers of the Fire Department as related during the strategic planning process.

- Quick but safe, timely, and efficient response to emergency incidents. Quick fire extinguishment and rescue of individuals. Quick control of the scene.
- Volunteers given ample training. Be properly trained in latest techniques to handle emergencies in the best way.
- Enough volunteers for each call. That sufficient help will arrive with the proper equipment and training. Effective recruitment and retention of interested individuals. Insure that administration staffing is adequate.
- Insure quality, state-of-the-art equipment. Best equipment to do the job. Maintain equipment for maximum use.
- Fire Codes will be enforced for the protection of the community. Code Enforcement consultation. Community fire prevention advice. Utilize smart codes to have in place.
- Insure safety of all fire personnel. Adequate safety equipment. Health screenings for the firefighters.
- Decrease damage to property as best as possible. Take care with property.
- That school children are properly educated in fire safety. Fire safety education for families with elderly occupants. Willingness to train with facilities for evacuations/sheltering in place.
- Participate in community activities and events. Utilize community outreach for improved communications. Make sure that the community knows that ATFD is a volunteer organization. Survey the community on the quality of fire department services. Strong neighborhood involvement.
- Support during national weather disasters. Be prepared to respond to all disasters.

Community Service Priorities

In order to dedicate time, energy and resources on services most desired by its customers, the Abington Township Fire Department needed to understand what the customers consider to be their priorities. Through the strategic planning process, the Citizens Advisory Group was asked to prioritize the services offered by the Fire Department through a process of direct comparison. The Customer's Service priorities of the Fire Department are indicated in the following chart.

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Table 2 Customer Service Priorities

SERVICES	RANKING	SCORE
Fire Suppression	1	177
Rescue - Basic and Technical	2	145
Domestic Preparedness Planning and Response	3	105
Community Risk Reduction	4	102
Hazardous Materials Mitigation	5	85
Public Education	6	66
Fire Investigation	7	55

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

D. Community Risk Assessment and Risk Levels

Risk Assessment Methodology

Basic Methodology

In the past, levels of protection have been based on past practices and common experience. As modern technology has advanced over the years and expectations have increased, the Abington Township Fire Department realized the potential for completing an in-depth, accurate township wide Fire Risk/Hazard Assessment of all service areas. This tool would provide the additional information necessary to formulate informed decisions on required resources and greatly reduce wasted resources and uneducated decisions affecting public safety services related to the fire department.

Five response districts have been developed that outline the appropriate response to these areas based on available water supply and risk. Target hazards within each district such as four story or higher buildings, schools, special hazards, flooding and hazardous materials (Haz-Mat) have an enhanced response. In the planning process for the districts, population density, target hazards and incident history are evaluated. All five districts have been determined to be urban in regards to population density. Each of the districts throughout the township has a municipal water supply with hydrants adequate for the risks involved. The Apparatus Deployment Plans provide for additional response to the larger target hazard properties in the districts.

The Department has established the need for separate box zones (Street Guide) and has provided response zones that are effective for its response and deployment. The response zones are provided with a response of equipment and personnel which match the level of risk of each zone, deploying the first due station. The Department's Apparatus Deployment Plans and Automatic and Mutual Aid Agreements for each response zone provides the planned fire and emergency equipment necessary for the type of fire or emergency which may occur within the zone.

Over the years, each of the five fire companies that comprise the A.T.F.D. has identified areas of concern based on building construction, age and experience. Each chief could identify target hazards based on their personal knowledge. However, they may not be able to place an educated answer as to why they required the resources they ask for each year. As budgets grow smaller and cost rise with inflation, accurate data based decisions become more important.

Starting in 2006, the Abington Township Fire Department, utilizing existing Certified Fire Inspectors, began assessing the fire risk of facilities in the township. A system utilizing needed fire flows, pre-planning models and other non-fire related activities is currently being used. Data is input and tracked through an Excel Spreadsheet.

ABINGTON TOWNSHIP FIRE DEPARTMENT

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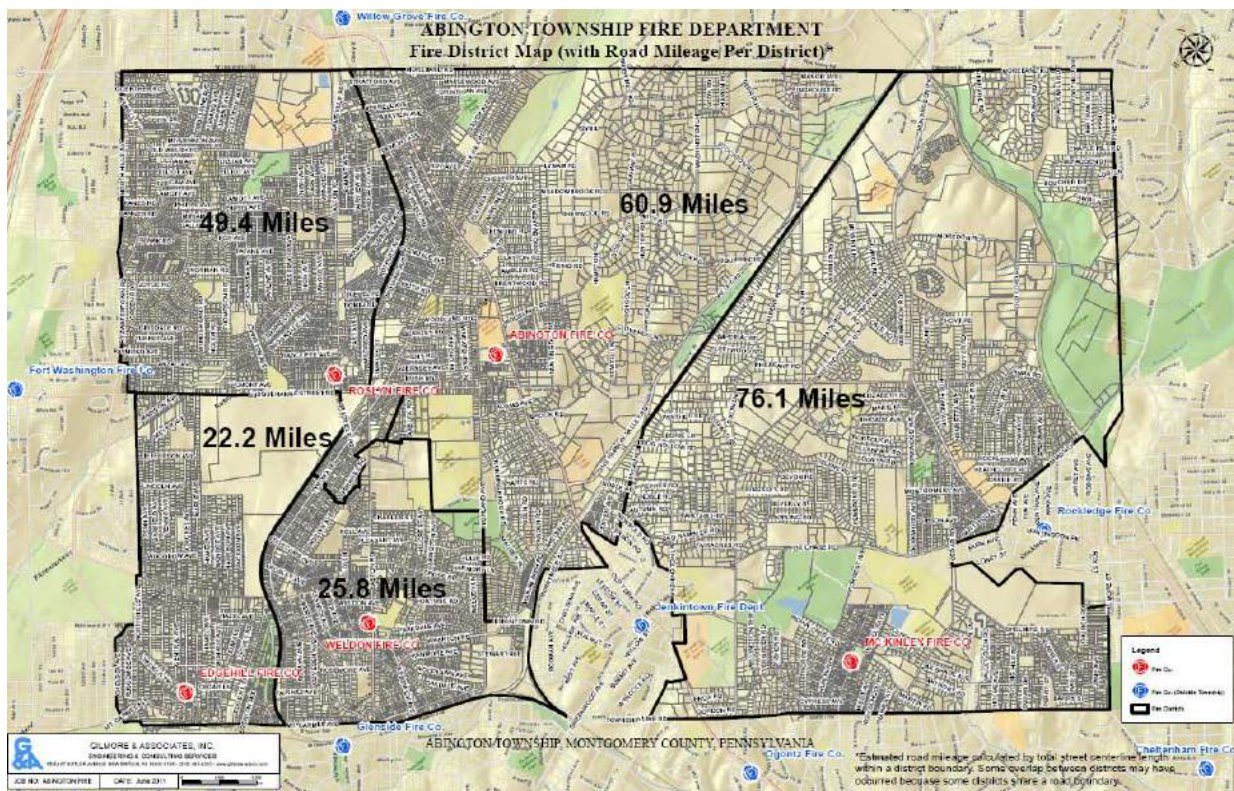


Figure 9A.T.F.D. Fire District Map (with road mileage per district)

In conjunction with this program, each planning area is being evaluated through the National Fire Incident Reporting System (NFIRS) to establish a history of incidents in each area as well as specific locations. The Fire Department has attempted to maximize the planning areas with assignment of available resources. The following table provides a comparison of the square mileage and the road mileage for each planning area as it relates to the planning area percentages correlating to the township.

Table 3 Comparison of Square Mileage and Road Mileage by Planning Area

Planning Area	Square Mileage	Population	% of Total	Road Miles	% of Total	High/Special Fire Risk Dispatches
District 100	4.33	11,885	27.9	60.9	25.9	13
District 200	6.13	15,109	39.8	76.1	32.4	5
District 300	1.39	9,009	8.9	25.8	11	0
District 400	1.36	6,447	8.7	22.2	9.4	1
District 500	2.28	12,860	14.7	49.4	21.3	3
Township	15.49	55,310	100	234.4	100	22

* The Fire Department is dispatched by the Montgomery County Emergency Dispatch Services (MCEDS). Presently, there are three levels of dispatch available to the Department for building response. The MCEDS will dispatch a structure fire as either non-commercial, commercial or special. The Fire Department through its Hazard/Risk Assessment has determined there are 22 High/Special risk facilities requiring special dispatch procedures. Those are identified in the A.T.F.D. Apparatus Deployment Plans

ABINGTON TOWNSHIP FIRE DEPARTMENT

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An all hazards risk assessment was conducted on all response areas to identify the probability of an event to occur and the level at which the risk may be expected to reach. An evaluation of roadways, rail lines, communications, geography, weather, population and societal factors were considered. Specialized Apparatus Deployment Plans were developed based on information gathered in this evaluation process to cover specialized resources, as well as integrate with the Local Emergency Management and Planning Group.

Currently, every registered commercial business in the township is entered in the A.T.F.D.'s Firehouse Software Records Management System. Each facility is inspected by a Certified Fire Inspector on an annual basis. Data from these inspections is collected and input into the inspections and assessment software to maintain all information in the most up to date status.

Facilities are physically assessed by the fire inspector to establish many multiple indicators that are important in formulating data necessary to determine risk level. Building size, age, construction, occupancy and any fire prevention systems present are analyzed and documented. Required fire flows are calculated and balanced against available water flows identified in the recent International Organization for Standardization (ISO) evaluation of the townships infrastructure. Once finalized, the risk assessments are filed, along with any pre-plan documents and pictometry information for the location.

Once the data is gathered on each facility, the Fire Department utilizes a three consequence/probability matrix to categorize the risk presented. The occupancies are evaluated from low, medium to high or special. This rating is based upon the size of structure (square feet, height), occupancy, and fire flow. Probability is reached through a review of NFIRS historical data for each structure along with fire protection systems and fire/hazard loads. Consequence takes into consideration occupancy, infrastructure, and historic places.

Table 4 Consequence vs. Probability Matrix

		CONSEQUENCE		
		Low	Medium	High
PROBABILITY	Low	Low Isolated Risk	Medium Risk	High Risk
	Medium	Low Risk	Medium Risk	High Risk
	High	Medium Risk	Medium Risk	High Risk

Each planning area, otherwise referred to as Response Area, is evaluated by consensus of population, fire hazards and non-fire related emergencies, such as flooding. Based on past experience and other factors as indicated above, hazard zones are identified and indicated on maps to indicate potential hazards. Personnel utilized "Vision Software" to evaluate facilities and develop a numerical value for the risk level appropriate to the facilities. The data and information was entered into a Word based document, "A.T.F.D. - Risk Assessment Planning Zones A1-J6" (see Section I. B.) describing each risk present in the zones. This document goes in depth to identify risk in all planning areas throughout the Township.

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Each of the five districts is further broken down into response zones (Boxes, 29A-1, 29A2, 29A-3, etc). There are 54 response zones overlapping the five districts. Each is broken down to include population, density, housing and transportation, as well as natural and man-made hazards within each zone. The below chart illustrates those High and Special risk in each district. All other structures have been identified as Low and Medium risk and are listed individually in Section I; B. Special note is given to those districts with areas prone to widespread flooding and a history of water rescues/flood evacuations.

Table 5 Risk Assessment by District

RISK ASSESSMENT by DISTRICT				
	SUPPRESSION		Medium Risk	
District	High	Special	Haz-Mat	Rescue (Flooding)
100	2	13	0	3
200	4	8	2	2
300	0	15	1	1
400	0	1	1	2
500	0	3	1	3
All remaining structures evaluated are Low/Medium risk. Flooding represents areas historically prone to flood.				

The assessment also relies on non-material factors such as historical sites, religious assemblies and occupant mobility factors such as in nursing and day care facilities when assigning fire risk levels. Although a facility may be classified as a low risk, based on building construction and protective systems, the assessment level may be raised to reflect the hazard of non-ambulatory occupants or the loss incurred to the community as in a facility associated with the townships infrastructure. As example (see chart above), although a hospital of Type I construction, sprinkler and fire alarm systems, with compartmentalization throughout, has a low probability factor, the consequences of a major incident would be high in terms of loss facilities/life, this is considered to be a special hazard in the assessment and pre-plan documents developed and apparatus plans adjusted accordingly.

Once completed, the risk assessment and associated pre-planning materials are provided to each of the five fire companies for their input into final approval of the assessment. This provides each of the companies an opportunity to familiarize themselves with the information as well as comment on any past experience they feel may contribute to the final product.

A complete, accurate fire risk assessment will provide the necessary tool to validate the activities, needs and resources of the Abington Township Fire Department as well as provide critical data necessary for elected officials and citizens to make informed decisions concerning public safety and response in the township for years to come.

Planning Areas/Zones

In an effort to provide risk/hazard planning, the geographical boundaries of the Township of Abington are divided into five Fire Districts. Physical location and accessibility determine which fire apparatus would respond first to an emergency within that fire

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district. Each fire company within the department has a first due district which is further divided into service zones later referred to as map pages. The service zones give the Fire Department a more accurate avenue for identifying potential risk/hazards, other than relying on census tract data and fire district data. This tiered effect of first due districts and service zones allows for a more focused planning than would be offered simply by a polygon of a predetermined size surrounding the fire stations. The Fire Department continually addresses their service zone system to ensure accuracy and makes modifications as changes occur; historical data indicates a need for re-assignment or change in physical shape or size of a service zone.

The fire department is dispatched by the Montgomery County Emergency Dispatch Services (MCEDS). Presently, there are three levels of dispatch available to the Department for building response. The MCEDS will dispatch a structure fire as either non-commercial, commercial or special. The Fire Department through its Hazard/Risk Assessment has determined there are 22 elevated risk facilities requiring special dispatch procedures. Those are identified in the Apparatus Deployment Plans that were reviewed and revised in 2018

The Department, as previously stated, is comprised of five independent volunteer fire companies. Each company operates numerous pieces of apparatus, typically two engines and an aerial device or rescue truck. The districts are established as first due (distribution) for a fire company. The Company serving the appropriate "district" responds initially as a single source "resource" to any incidents that occur in their "district." The entire Company is dispatched to the incident regardless of type. In a majority of cases, Companies respond with multiple apparatus and personnel to the incidents. Upon arrival, the officer in charge, knowing what apparatus and staffing is responding, can elect to increase or decrease the resources responding. With the exception of chief officers or a firefighter passing an incident, all personnel report to the station and respond on apparatus or remain on standby until released. Typical dispatch for a vehicle fire in Abington's District (100) would be for the entire Company (Station 100). If personnel are not needed or do not make it to the station to get on a truck, they then "standby" in the station until all apparatus are back from the incident; they may need to respond addition apparatus, aid in putting responded apparatus back in service, or provide coverage for additional incidents should they occur simultaneous to the original incident.

Rescue responses in the township are dispatched as the company whose district the incident occurs and one heavy rescue apparatus. As example, were there to be a vehicle rescue in Edge Hill's (400) district, they would be dispatched as a full company along with the heavy recue from Weldon (Station 300). Edge Hill will respond with two engines. If the incident were to be a high/low angle rescue, Edge Hill would then respond with an aerial, engine along with the heavy rescue from Station 300.

If once on scene the officer in charge determines that the scope of the incident calls for additional or more technical equipment/personnel, they may be requested and automatically dispatched utilizing the Apparatus Deployment Plans established for the district and planning zone where the incident occurs.

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With the exception of the Special Dispatch facilities, all structure fires within the township have been assigned the same initial dispatch. The first due Company is dispatched with additional engines, aerial and rescue apparatus. This will typically be two engines and an aerial from the first due, two additional engines from surrounding companies, a ladder and heavy rescue. Once on location, the officer in charge has the authority to reduce the response if they determine it to be of a low hazard (detached shed, no power or exposure) or upgrade the response if the scope of the incident exceeds the initial dispatch.

Risk Assessment

Fire Suppression Services

A large part of the hazard/risk assessment process was evaluating the probability and consequence of various incident types throughout the township and five fire districts. A thorough evaluation of building fires occurring over the past five years was completed to establish the probability of occurrence, where they occurred and when. A complete evaluation of building fires by district, day, month, time is contained in "Incident Data Charts" (see Section I., A.). The below charts and graph indicate the location by district of building fires occurring within the township. On average, the A.T.F.D. responded to 22 working building fires within the township each year over the past five years.

Table 6 Building Fires by District by Year

Building Fires by District by Year						
	2013	2014	2015	2016	2017	TOTAL
100	18	21	12	13	11	75
200	11	14	17	17	8	67
300	8	10	8	7	9	42
400	33	28	40	15	18	134
500	21	11	12	12	18	74
Township	91	84	89	64	64	392

ABINGTON TOWNSHIP FIRE DEPARTMENT Community Risk Analysis and Standards of Cover

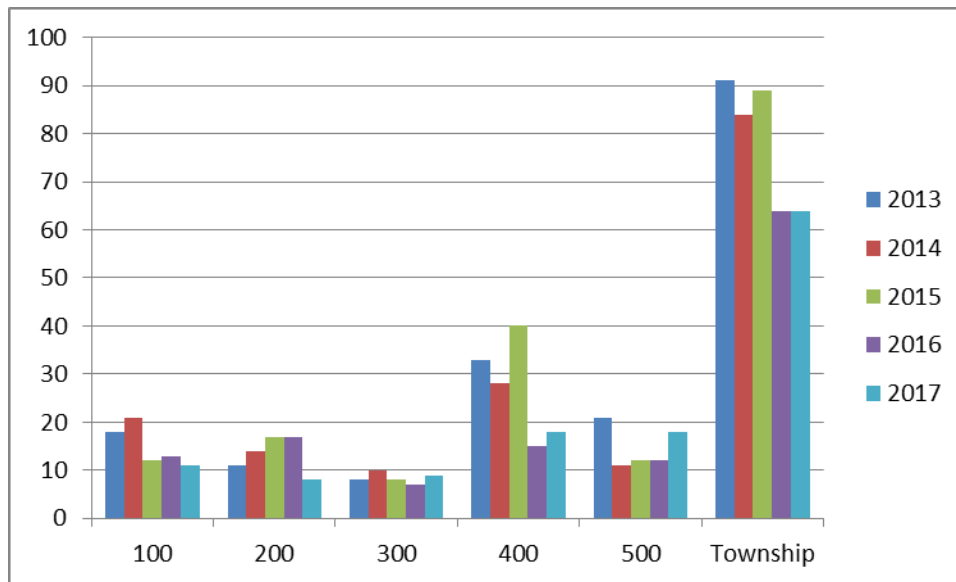


Table 7 Building Fires by District by Year (graph)

The next step of the hazard/risk assessment was the resultant consequences of the events occurring. To document and evaluate the consequences, the A.T.F.D. documented and tracked the monetary loss, civilian and responder injuries and fatalities and balanced that with the property value and lives saved. The Fire Marshal’s Office worked very closely with the insurance carriers to document the total set aside the carriers placed on each loss.

Table 8 Building Fire Property Loss - Injury vs. Save

	BUILDING FIRE PROPERTY LOSS - INJURY vs. SAVE					
	2013	2014	2015	2016	2017	TOTAL
PROPERTY VALUE	\$68,044,094	\$9,587,251	\$4,444,005	\$38,404,468	\$18,495,893	\$ 138,935,711
FIRE LOSS	\$1,910,000	\$1,020,750	\$508,500	\$1,938,000	\$1,445,000	\$11,615,659
PROPERTY SAVED	\$66,134,094	\$8,566,501	\$3,935,505	\$36,466,468	\$17,050,893	\$127,320,052
CIVILIAN INJURIES	3	2	1	2	2	10
CIVILIAN FATALITIES	0	0	0	0	1	1
CIVILIANS RESCUED	0	1	0	1	0	2
FIREFIGHTER INJURIES	1	1	0	1	1	4
FIREFIGHTER FATALITIES	0	0	0	0	0	0

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The occupancies are evaluated from low, medium to high or special. This rating is based upon size of structure (square feet, height), occupancy, and fire flow. Probability is reached through a review of NFIRS historical data for each structure along with fire protection systems and fire/hazard loads. Consequence takes into consideration occupancy, infrastructure, and historic places.

Table 9 Consequence vs. Probability Matrix

CONSEQUENCE				
		Low	Medium	High
		PROBABILITY	Low	Low Isolated Risk <small>(Detached shed with no power)</small>
	Medium	Low Risk	Medium Risk <small>(Single Family Dwelling)</small>	High Risk <small>(Hi- Rise facilities)</small>
	High	Medium Risk	Medium Risk	High Risk

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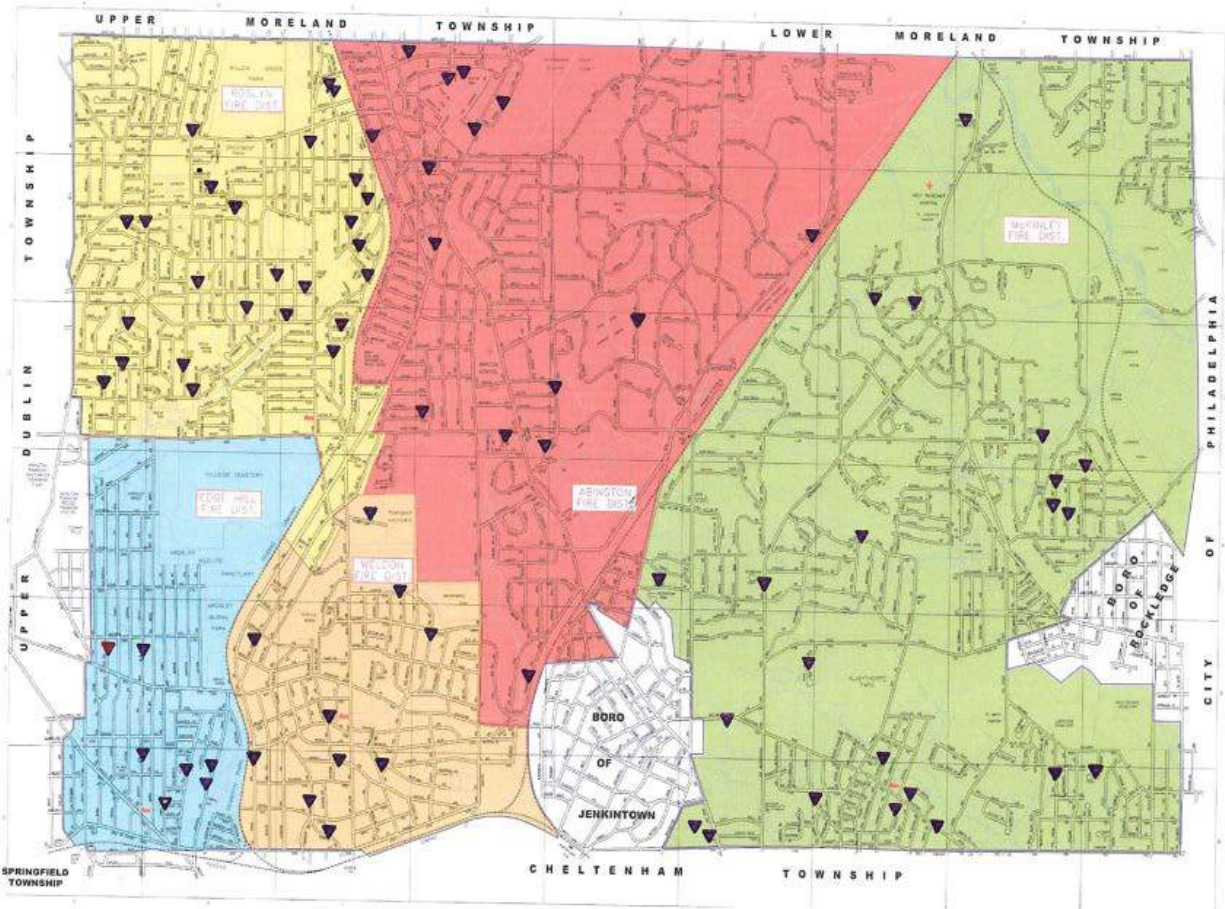


Figure 10 Medium Risk Structure Fires 2013-2017

Incidents illustrated as black triangles, Fire Stations represented by red circles
District 100 - red, 200 - green, 300 - orange, 400 - blue, 500 - yellow

The above map illustrates the location of all medium risk building fires that occurred in single family dwellings over the past five years. A review of these structure fires shows the incidents to be spread across the township with no great clustering in relations to geographic, economic or social values. The structure fires have been related to those areas more densely populated. The entire assessment process enabled the department to also assess Effective Response Forces for the various levels of risk and evaluate its effectiveness.

Critical Tasking

Structure Fire Calls

The Effective Response Force (ERF) for structure fires is divided into two categories, initial attack force and initial support force. The initial attack force is the personnel that make the first contact with the fire or hazardous situation and attempt to stabilize the incident, otherwise referred to first arriving unit. The initial support forces are the personnel that make up the Effective Response Force in support of the initial attack force. The initial attack force for a medium risk, single-family residential structure fire is listed below: The initial dispatch on structure fires is a force of four engines, two trucks and one rescue company. Confirmed fire reports bring an automatic upgrade for a township wide 'working fire' dispatch, bringing dedicated Rapid Intervention Team(s) (RIT), air supply unit and

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additional appropriate units from each station. Special risk structure fire dispatches call for additional engines and aerial devices based on the size and risk involved. The following charts separate and illustrate the critical tasks of the first due apparatus and Effective Response Force. The first due apparatus is assigned fire suppression and establishes command while the remaining units may be assigned to more typical support roles. Depending on the actual incident, separate tasks may be completed by one person (e.g. Officer could establish command, size-up and accountability until the span of control is exceeded).

Table 10 Personnel Required for Critical Tasks - First Arriving Structure Fires

TASK	LOW	MEDIUM	HIGH/SPECIAL VALUE
Size up/Command	1	1	1-2
Pump Operations/ Water Supply	1	1	2-3
Offensive Fire Attack	1	2-4	6
Accountability		1	1-2
Initial Attack Personnel	3	4-7	8-12

Table 11 Personnel Required for Critical Initial Support Tasks

TASK	LOW	MEDIUM	HIGH/SPECIAL VALUE
Search & Rescue	1	2	4
Rapid Intervention Team	2	2	2-4
Salvage & Overhaul	1	1-2	2-4
Back-up Hose Lines	1	2	2-4
Incident Safety Officer	1	1	1
Ventilation	1	1-2	2-4
Air Support	1	1	1-2
Rehab		1-2	1-2
Sub-Total	8	11-14	15-25
Total Personnel	11	15-21	25-37

Initial Support - Support functions including salvage, overhaul and staffing of rehabilitation, air supply, etc. may be performed by initial personnel after completion of an initial assignment or by additional units assigned to the emergency scene and is dependent on the complexity of the incident.

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Table 12 Typical Initial Staffing (ERF) - Resources for Risk Levels & Occupancies

TASK	LOW RISK	MEDIUM RISK	SPECIAL RISK
Attack Line	1	2-4	4 (16-18)*
Search & Rescue	1	2	2*
Ventilation	1	2	4
Back-up Hose Line	2	3	3
Pump Operator	1	1	1
Water Supply	1	1	1*
Utilities Support		1	1
Command/Safety	1	2	2*
Forcible Entry			*
Accountability			1*
Salvage	1		*
Overhaul	1		*
Communication			1*
Operations Officer		1	1
Administration			*
Logistics			1
Planning			1*
Staging			1*
Rehabilitation	1	1	1*
Sector Officers			1(4)*
High-Rise Evac			10*
Stairwell Support			10*
Relief			*
Investigation			*
Totals	8-11	15-21	24*

*Indicates that at Special risk or maximum fires, additional resources will be necessary in these areas.

Greater Alarms

When additional resources are required, the Incident Commander will request additional resources, which can include engine companies, truck companies, special rescue units and emergency medical resources. These resources are available through automatic aid agreements, and mutual aid agreements within Montgomery County, and regional task force agreements. The Department's Apparatus Deployment Plans are established to provide response resources to the fifth alarm.

Although the Department dispatches all calls at a moderate risk level, the evaluation of staffing and resource required to mitigate an incident has been conducted on all levels to include low (detached shed), medium (single family dwelling) and special (hospital, factory). These provide a basic guide for the Officer in Charge and Staff personnel during the planning and response phase and provides the firefighter with an understanding of the

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resources required to mitigate an emergency of various levels of complexity and the premise of the required dispatch procedures.

Other Fire Incidents

Vehicle Fires

Dispatch assignments on all vehicle fires within the township consist of the first due company whose district the event occurs, regardless of risk, typically with two engines at a minimum. Additional units may be added upon request of Incident Command as required. Minimum staffing on the arriving engines is one officer, a driver/operator and two fire fighters. First arriving engines have the capability of placing an initial 1 ¾" hand line in service for fire attack. Second due engines may place a backup line in service and assist with forcible entry and salvage and overhaul.

Table 13 Low Risk (passenger) Vehicle Fire Critical Tasks

CRITICAL TASKS	
Size up/Command	1
Pump Operations/Water Supply	1
Offensive Fire Attack	2
Accountability	1
Total Staffing	5

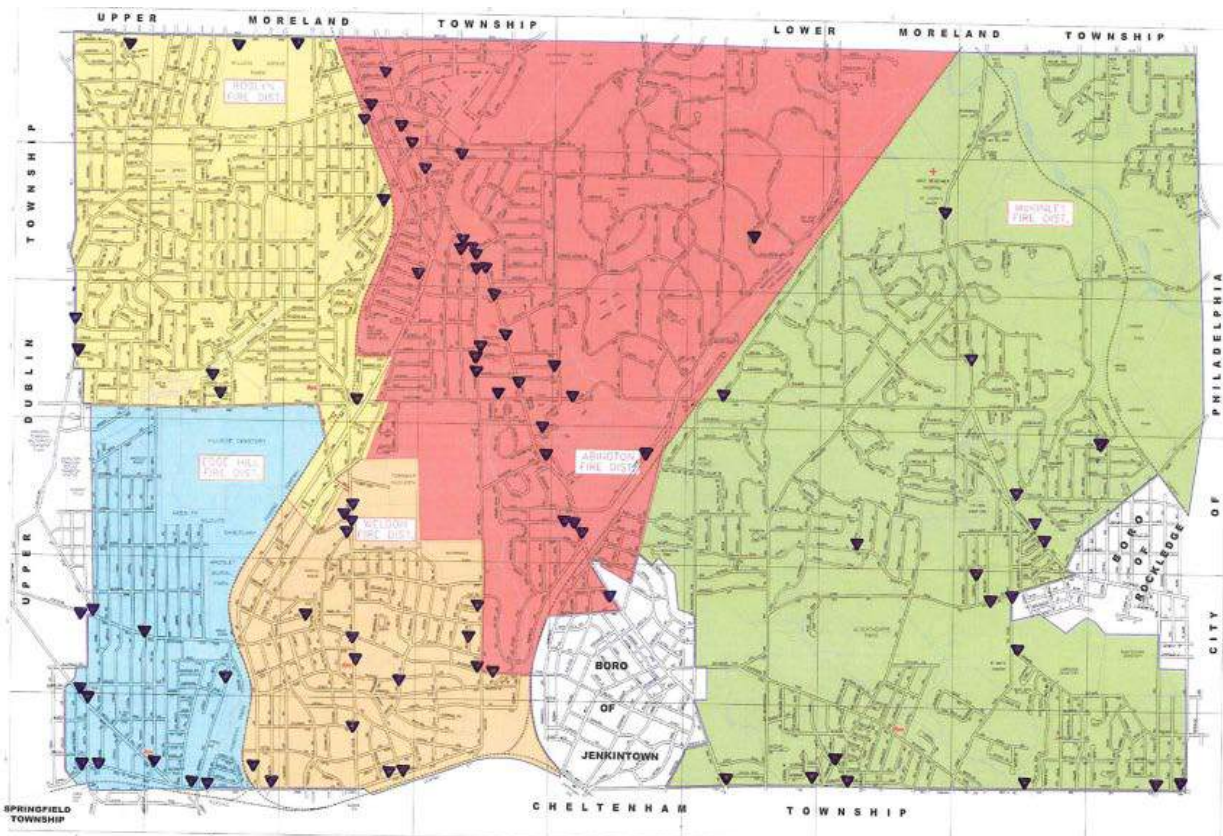


Figure 11 Low Risk Motor Vehicle Fires 2013-2017

Incidents illustrated as black triangles, Fire Stations represented by red circles
 District 100 - red, 200 - green, 300 - orange, 400 - blue, 500 - yellow

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Brush/Woods Fires

Two engine companies are on the initial dispatch for all woods/brush/trash fires within Abington Township. Additional units may be requested as needed by the incident Commander. There are areas within the township that are heavily wooded with limited access. These areas have been identified through the risk assessment process and pre-planned for five additional resources that may be needed to efficiently complete all required tasks.

Table 14 Low Risk - Brush Fire Critical Tasks

CRITICAL TASKS	
Size up/Command	1
Pump Operations/Water Supply	1
Offensive Fire Attack	2
Accountability	1
Total Staffing	5

Emergency Medical Services

The Township of Abington contracts with the Second Alarmers Rescue Squad of Willow Grove to provide all Emergency Medical Services (EMS) within the Township. The Fire Department does not operate an EMS response vehicle. All members of the Fire Department are trained and certified in First Aid and CPR and the use of automated external defibrillators (AEDs). The Fire Department may be called upon from time to time to assist EMS crews with lifting, extrication and or packaging of a patient for various reasons by request of the EMS Supervisor. Fire resources dispatched for assistance would be based on the request of the EMS Supervisor, typically an Engine or Special Service Truck with manpower.

Hazardous Materials Services

All members of the Abington Township Fire Department have been trained to the Operations Level. Numerous members have attained qualification in Technician Level. For responses above Level 1, requiring the deployment of specialized equipment and training above the Operations Level, the A.T.F.D. relies upon the services of the Montgomery County Hazardous Materials Response Team. There are approximately 15 A.T.F.D. members on this team. On initial dispatch, an officer from the Montgomery County team will be dispatched and advises the incident commander on any additional resource needs. Members of the department respond at the Operations Level.

The occupancies are evaluated from low, medium to high or special. This rating is based upon size of structure (square feet, height), occupancy, and hazardous materials present. Probability is reached through a review of NFIRS historical data for each structure along with fire protection systems and fire/hazard loads. Consequence takes into consideration occupancy, infrastructure, and historic places.

A thorough evaluation of hazardous materials incidents occurring over the past five years was completed to establish the probability of occurrence, where they occurred and when. A

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complete evaluation of hazardous materials incidents by district by year is located below and contained in "Incident Data Charts."

Table 15 Consequence vs. Probability Matrix

CONSEQUENCE				
		Low	Medium	High
PROBABILITY	Low	Low Isolated Risk	Medium Risk (Home Heating Oil Tank Rupture/Leak)	High Risk (Fuel Tank Truck Leaking/MVA)
	Medium	Low Risk (Motor Vehicle leaking fuel on roadway)	Medium Risk	High Risk
	High	Medium Risk	Medium Risk	High Risk

The next chart indicates the location by district of hazardous materials incidents occurring within the township. On average, the A.T.F.D. responded to 8 hazardous materials incidents within the township each year over the past three years. A total of 41 incidents were low risk, fluid spills on the roadway randomly distributed throughout the five districts.

Table 16 Hazardous Materials Incidents by District by Year

HAZARDOUS MATERIALS INCIDENTS by DISTRICT by YEAR						
	2013	2014	2015	2016	2017	TOTAL/ Risk Level
100	6	1	2	4	4	17
200	3	3	1	1	0	8
300	1	3	0	1	2	7
400	1	0	0	1	0	2
500	3	3	0	0	1	7
Township	14	10	3	7	7	41

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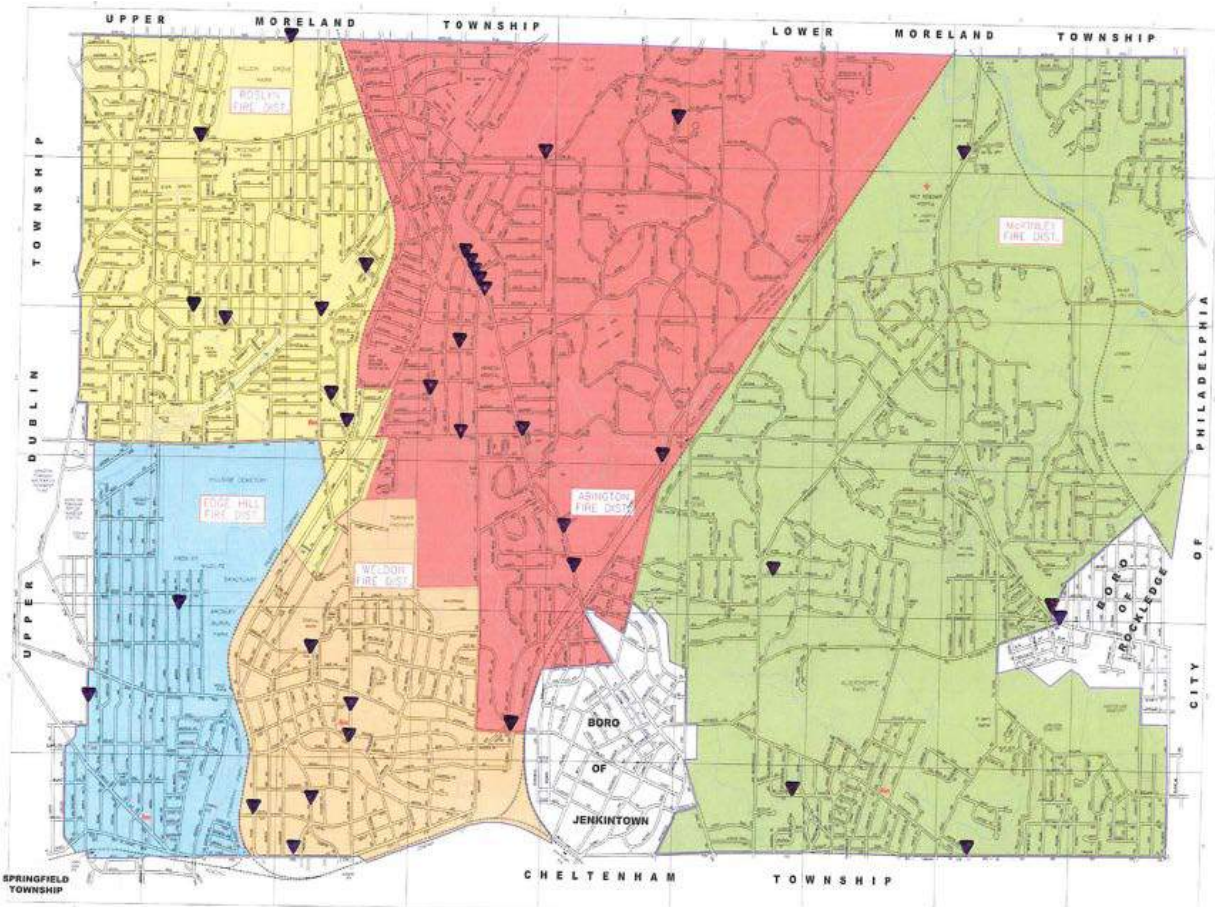


Figure 12 Low Risk Hazardous Materials Incidents 2013-2017
 Incidents illustrated as black triangles, Fire Stations represented by red circles
 District 100 - red, 200 - green, 300 - orange, 400 - blue, 500 - yellow

Hazardous Materials

Table 17 Hazardous Materials Critical Tasks

CRITICAL TASKS			
	LOW	MEDIUM	HIGH/SPECIAL
Incident Command/Safety Officer	1	1	2
Site Control (Detection & Monitoring)		1	2
Referencing		1	1
Containment & Confinement	2	4	4
Decontamination	1	2	4
TOTAL	4	9	13

Rescue Services

The A.T.F.D. provides rescue services to the community. Each of the five stations operate an engine containing rescue equipment capable of performing basic rescue tasks and beginning the process of stabilizing an incident scene and beginning extrication until the arrival of additional equipment and resources for the more complex incidents. Station 300

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operates a heavy rescue apparatus. Resources in the department are available to perform vehicle, industrial, high angle, water, trench and structure collapse rescue.

The districts are evaluated from low, medium to high or special for rescue services. Probability is reached through a review of NFIRS historical data for each district. Consequence takes into consideration monetary loss, life hazards and medical outcomes.

An evaluation of rescue services occurring over the past five years was completed to establish the probability of occurrence, where they occurred and when. A complete evaluation of rescue incidents is contained in Section I., A. Incident Data Charts. The below charts and graph indicate the location by district of rescue incidents occurring within the township. On average, the A.T.F.D. responded to 6 rescue incidents within the township each year over the past five years, primarily involving motor vehicle crashes on the roadway. There have been no high angle or trench rescue incidents in the past five years. With flooding during spring and fall rainstorms, numerous water evacuations have been responded to along with the occasional elevator rescue.

Table 18 Consequence vs. Probability Matrix

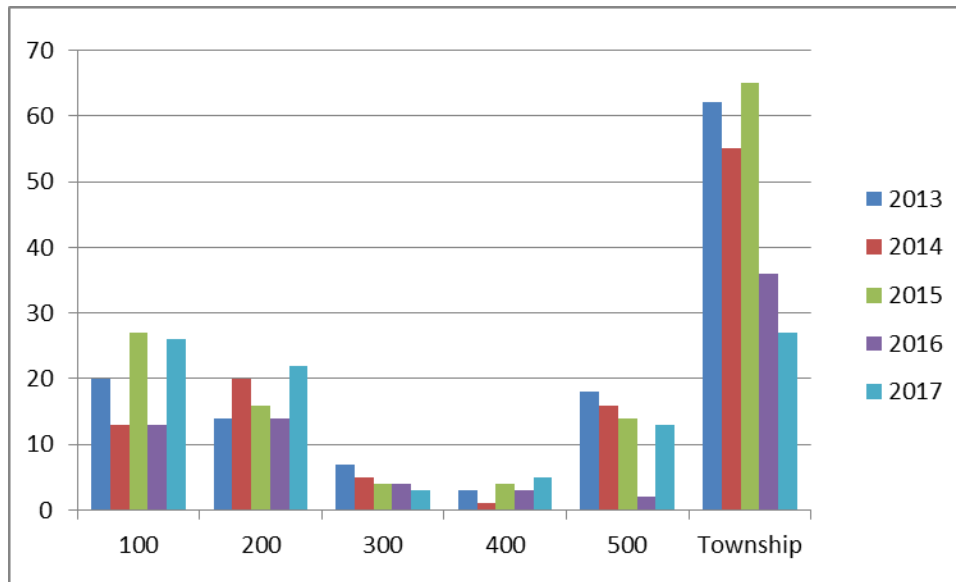
CONSEQUENCE				
		Low	Medium	High
PROBABILITY	Low	Low Isolated Risk (Elevator Rescue)	Medium Risk	High Risk (High Angle Rescue, Structure Collapse)
	Medium	Low Risk (Motor Vehicle Accidents/rescue)	Medium Risk (Flood Evacuation)	High Risk
	High	Medium Risk	Medium Risk	High Risk

Table 19 Rescues by District by Year

RESCUES by DISTRICT by YEAR						
	2013	2014	2015	2016	2017	TOTAL
100	3	0	2	0	1	6
200	2	3	2	2	4	13
300	0	1	0	1	1	3
400	1	0	0	0	2	3
500	2	1	1	0	2	6
Township	8	5	5	3	10	31

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Vehicle Rescue Incidents

Vehicle rescue assignments include two engine companies and a heavy rescue on the initial dispatch. Each of the five stations also operate an engine with basic rescue extrication tools. These units may begin and complete basic rescue tasks without the need for additional or more technical equipment. Personnel operating with all five companies have training and certification in basic vehicle rescue up to and including technician.

Working with the Traffic Control Officer of the Abington Township Police Department, the following intersections and roadways within the township are target hazards for motor vehicle accidents:

- Davisville Road & Moreland Road
- Easton Road and Susquehanna Road (railroad crossing)
- Old York Road and Susquehanna Road
- Susquehanna Road between Old York and Valley Roads (Vinegar Hill)

Table 20 Motor Vehicle Accident Loss - Injury vs. Save

MOTOR VEHICLE ACCIDENT LOSS - INJURY vs. SAVE						
	2013	2014	2015	2016	2017	TOTAL
Total Motor Vehicle Accidents	2,071	2,009	2,121	2,020	2,170	10,391
Motor Vehicle with Extrication	8	5	5	3	10	31
Fatal Accidents	0	2	4	0	0	6
Injury Accidents	168	170	176	198	245	957
Non-Injury Accidents	1,903	1,839	1,945	1,822	1,925	9,434

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Reviewing the data on motor vehicle accidents in the township, the vast majority are Non-Injury (fender bender) accidents. As indicated in the above chart, just around 10% of all motor vehicle accidents result in injury or death and only 31 or .58% required and resulted in successful extrications.

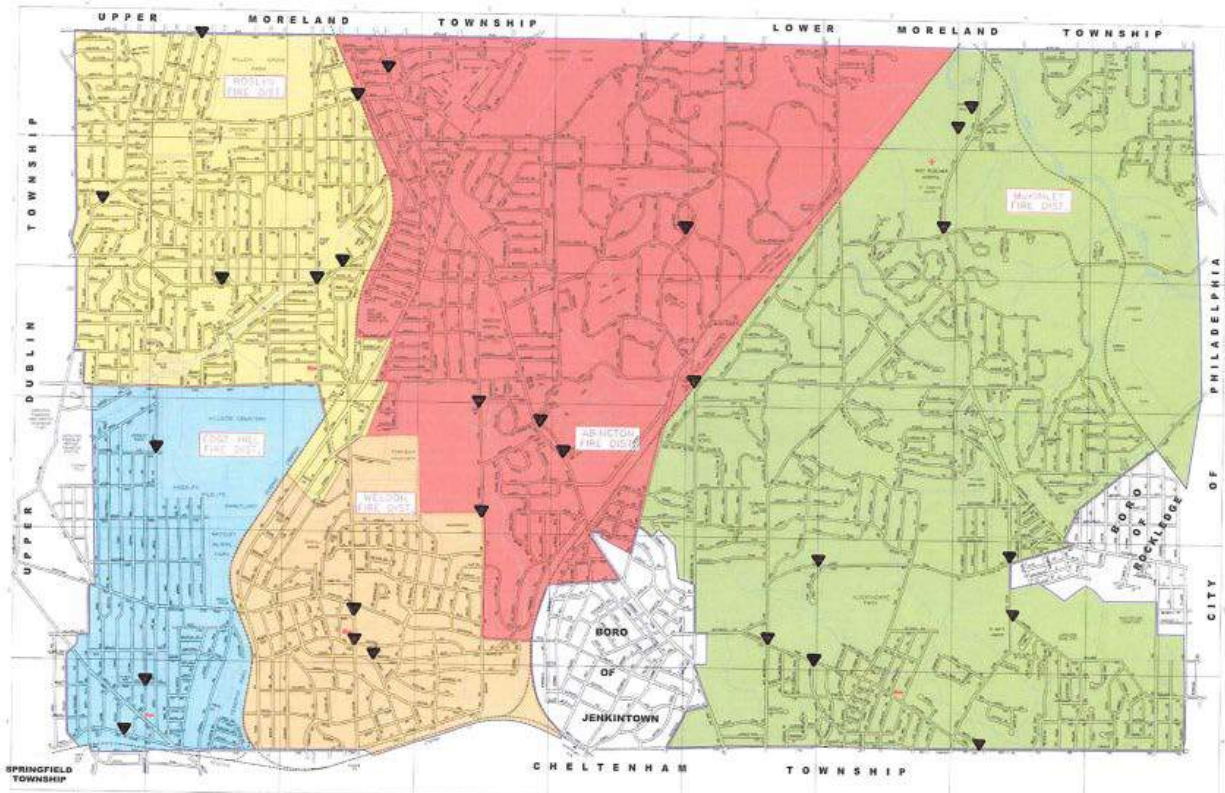


Figure 13 Motor Vehicle Extrications 2013-2017

Incidents illustrated as black triangles, Fire Stations represented by red circles
District 100 - red, 200 - green, 300 - orange, 400 - blue, 500 - yellow

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Low Risk - Rescue

Table 21 Low Risk Rescue Critical Tasks

CRITICAL TASKS		
	LOW	MEDIUM
Size up/Command	1	1
Pump Operations/Water Supply	1	1
Fire Suppression	0-2	2
Safety/Accountability	0-1	1-2
Rescue Operations	2	4
Stabilization	1-2	2
Total Staffing	5-10	12-13

Technical/Special Rescue (Hi-Angle, Low-Angle, Trench, etc)

The box assignment for technical rescues varies depending upon the type of incident. Primarily a rescue box will contain one heavy rescue and two engine companies. Four companies operate aerial devices. There are three 105' straight tip aerials and one 100 foot elevated platform. Each of the truck companies have personnel qualified in high angle/rope rescue. The department operates one technical rescue trailer with equipment and material to function at collapse and trench rescue incidents. Additional resources are available through automatic and mutual aid. A special box has been established for technical rescues to include one engine from each of the five stations, one heavy rescue and the technical rescue support trailer. Although the probability of an event occurring is low, the consequences could be significant. The Department has not been dispatched to a technical rescue incident in the last five years. The last technical rescue, a trench rescue, occurred in District 300 on November 30, 2005. Units from all five A.T.F.D. stations, as well as mutual aid from surrounding companies, successfully extricated a trapped worker from a collapsed work trench. Prior to that, another successful trench rescue was performed in April of 1996 in District 500, resources from the five Fire Department companies, along with mutual aid from the Philadelphia Fire Department, completed the rescue.

Table 22 Critical Tasks for Special Level Rescue

CRITICAL TASKS for SPECIAL LEVEL RESCUE	
Incident Command/Safety Officer	1-2
Operations Officer	1
Entry/Rescue	2-4
Backup Team	2-4
Driver/Operator	1-2
Aerial Operator	1
Accountability	1
Staging	1
Support	2-4
Equipment Operator	1-2
Total Staffing	13-22

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Special Services

The Fire Marshal's office is staffed by a full-time Fire Marshal, who holds Pro-Board and NAFI certifications in fire, explosion and vehicle fire investigation. He is a state certified Building Code Official conducting code enforcement and inspection duties. The office is responsible for the inspection of all commercial properties, interpretation of the fire prevention codes and ordinances concerning structures in the township, presenting talks and demonstrations relevant to fire safety and prevention. The office is assisted in these duties by one full-time Community Service Specialist/Inspector, and a part-time fire inspector and secretary. The office performs on average one thousand inspections, 150 investigations and 60 community education events a year. The Fire Marshal's Office also supports the surrounding municipalities through automatic/mutual aid.

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E. Historical Perspective and Summary of System Performance

The Abington Township Fire Department has evaluated system performance through distribution, concentration, reliability and comparability. Performance was measured based on incident data over a five-year period from January 2013 through December 2017.

Distribution Factors

The Fire Department has historically attempted to adhere to the travel distance recommendations of ISO, which are 1.5 miles of road travel for engines and 2.5 miles of road travel for aerials to all structure fires within the township. The Fire Department has supplemented the ISO recommendations by including travel time and distance calculations afforded by GIS software. Evaluation of initial response coverage for the Township have been displayed on the Abington Township Distribution Maps below indicating road miles and travel distances for each of the five Fire Companies within their first due Response District. See Section I, C. for additional maps.

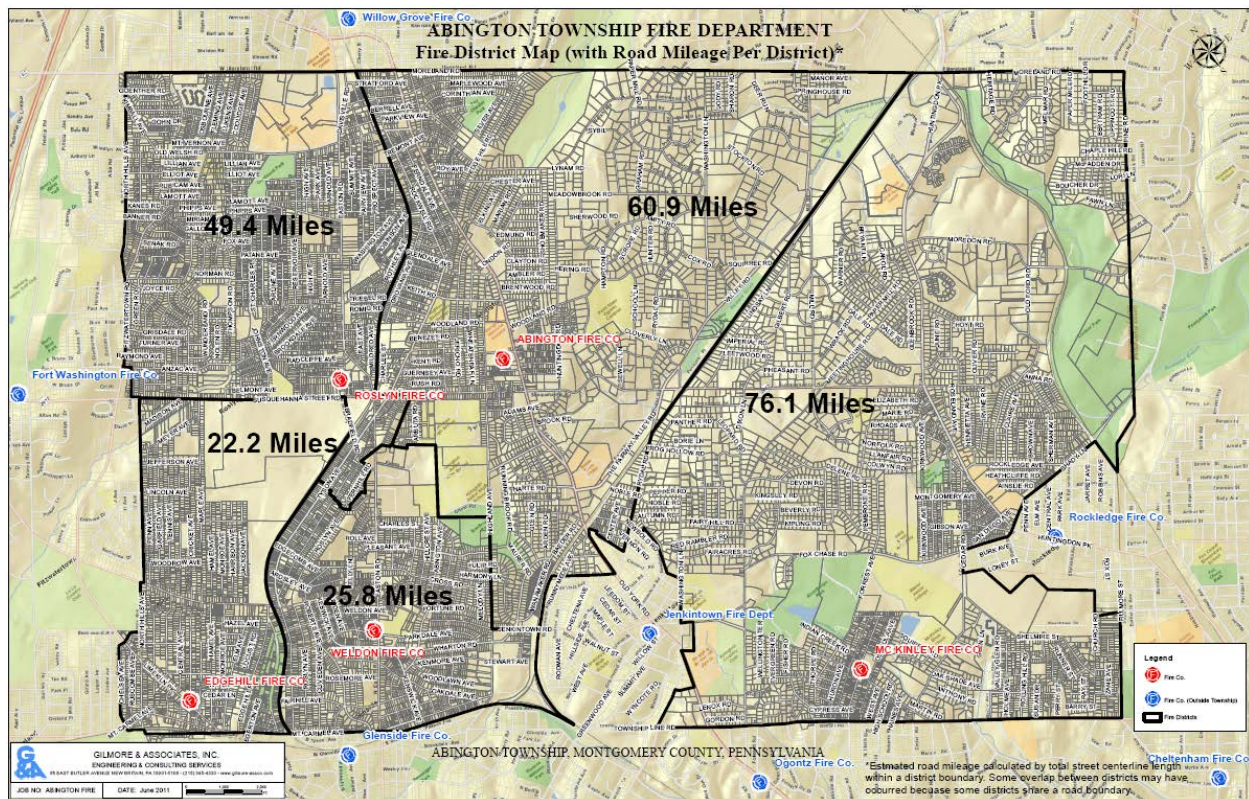


Figure 14A. T.F.D. Fire District Map (with Road Mileage per District)

The road miles for each of the five Fire Districts, as illustrated on the above map are as follows: Abington Fire Company in District 100 covers 60.9 miles of paved roadway in a 4.33 sq. mi. area; McKinley Fire Company in District 200 covers 76.1 miles of paved roadway in a 6.13 sq. mi. area; Weldon Fire Company in District 300 covers 25.8 miles of paved roadway in a 1.39 sq. mi. area; Edge Hill Fire Company in District 400 covers 22.2

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miles of paved roadways in a 1.36 sq. mi. area and Roslyn Fire Company in District 500 covers 49.4 miles of paved roadway in a 2.28 sq. mi. area.

Table 23 Comparison of Square Mileage and Road Mileage for each Planning Area

Planning Area	Square Mileage	% of Total	Road Miles	% of Total
District 100	4.33	27.9	60.9	25.9
District 200	6.13	39.8	76.1	32.4
District 300	1.39	8.9	25.8	11
District 400	1.36	8.7	22.2	9.4
District 500	2.28	14.7	49.4	21.3
Township	15.49	100	234.4	100

The Fire Department has attempted to maximize the planning areas with assignment of available resources. The above table provides a comparison of the square mileage and the road mileage for each planning area as it relates to the planning area percentages correlating to the township. The table below indicates the response time of the first arriving engine with four firefighters by district.

Table 24 90% Response Time First Arriving Unit - Fire Suppression

	90% Response Time 1st Arriving Unit - Fire Suppression					
	2013-2017	2013	2014	2015	2016	2017
District 100	6.56	5.0	6.72	5.95	6.56	7.41
District 200	9.31	4.55	8.05	7.10	9.63	9.31
District 300	6.68	6.26	6.01	8.46	6.68	9.20
District 400	9.43	5.98	9.43	5.78	3.78	2.63
District 500	7.88	4.65	7.83	5.13	6.58	7.33

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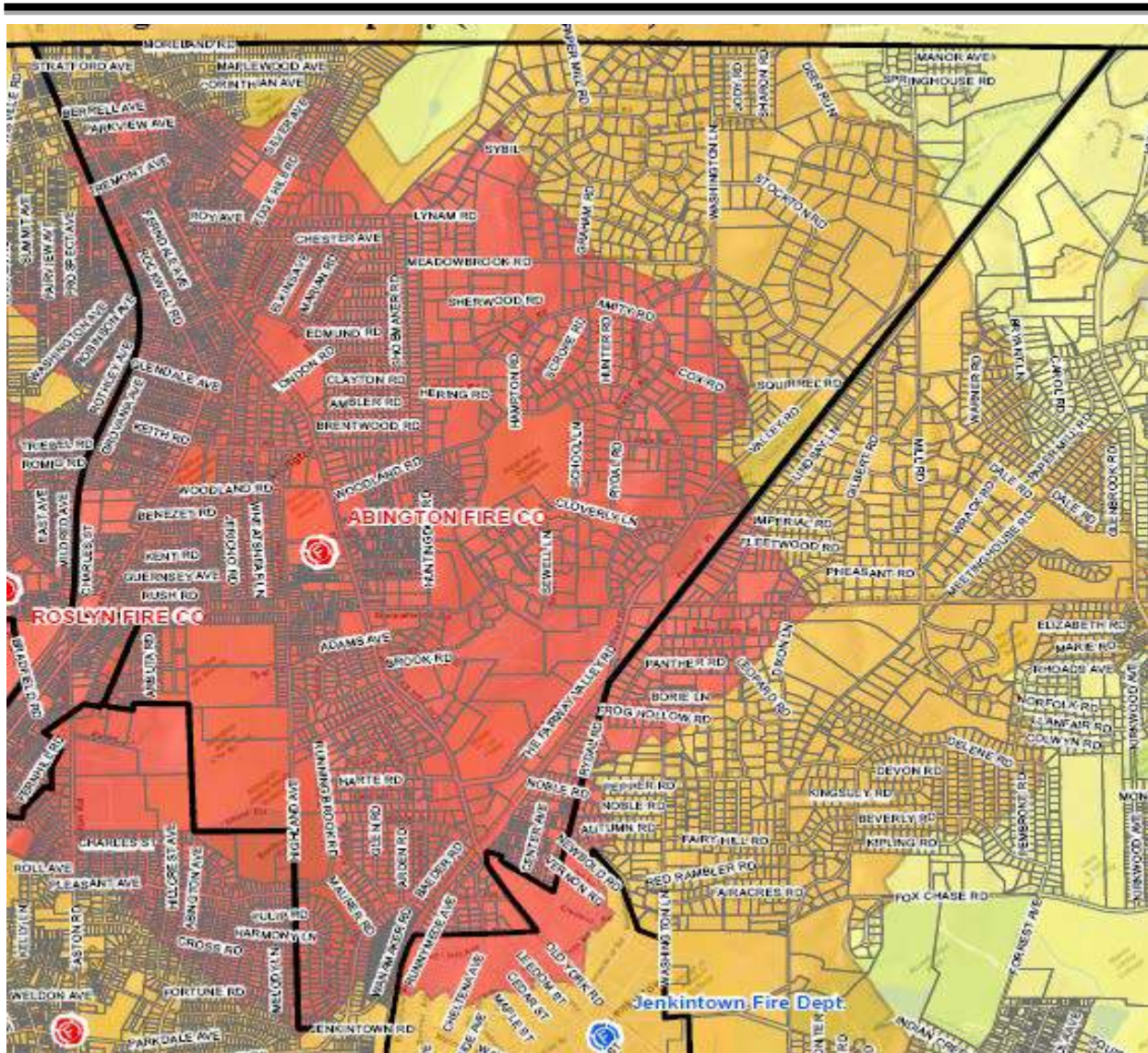


Figure 15 District 100 Travel Distances in Road Miles

DISTRICT 100 – Red = 1.5 road miles, Orange = 2.5 road miles, Yellow = 4 road miles.

Red Circles indicate A.T.F.D. fire stations, Blue circles indicate Automatic/Mutual aid stations

Abington Fire Company (Station 100) is centrally located within its district as illustrated above. Although the station covers 60.9 road miles, all points of the district are within 3 miles of the station. Coverage illustrated above are the travel distances in road miles, 1.5 mile (red), 2.5 miles (orange) and 4 miles (yellow). Areas to the northeast portion of the district are within three miles of the station and consist of open space wooded areas and sparse single family dwellings. Automatic/Mutual Aid stations along the north border are located within 2 miles of all the outlying areas of the district.

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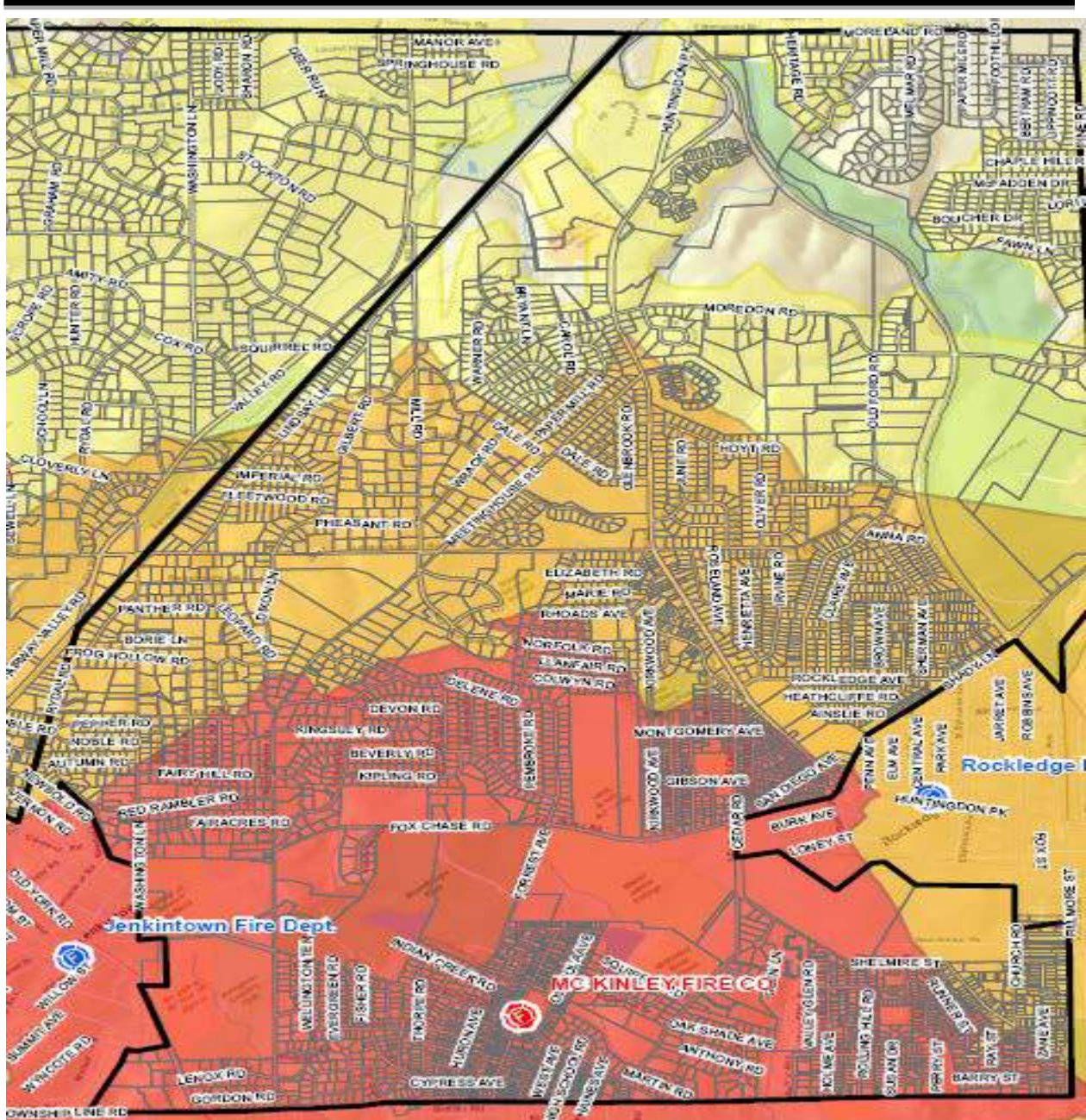


Figure 16 District 200 Travel Distances in Road Miles

DISTRICT 200 – Red = 1.5 road miles, Orange = 2.5 road miles, Yellow = 4 road miles.

Red Circles indicate A.T.F.D. fire stations, Blue circles indicate Automatic/Mutual aid stations

The McKinley Fire Company in District 200 is located in the south-central portion of their district. The station is within 1.5 miles of the most densely populated portion of the district and extends to 4 miles toward the most northeastern portion where population densities although still urban are significantly lower. Response to this area of the district is supplemented with automatic aid. Automatic/Mutual aid stations along the northeast section of the District are within ½ mile of the township border with stations located within 2.5 road miles of all portions of the planning area.

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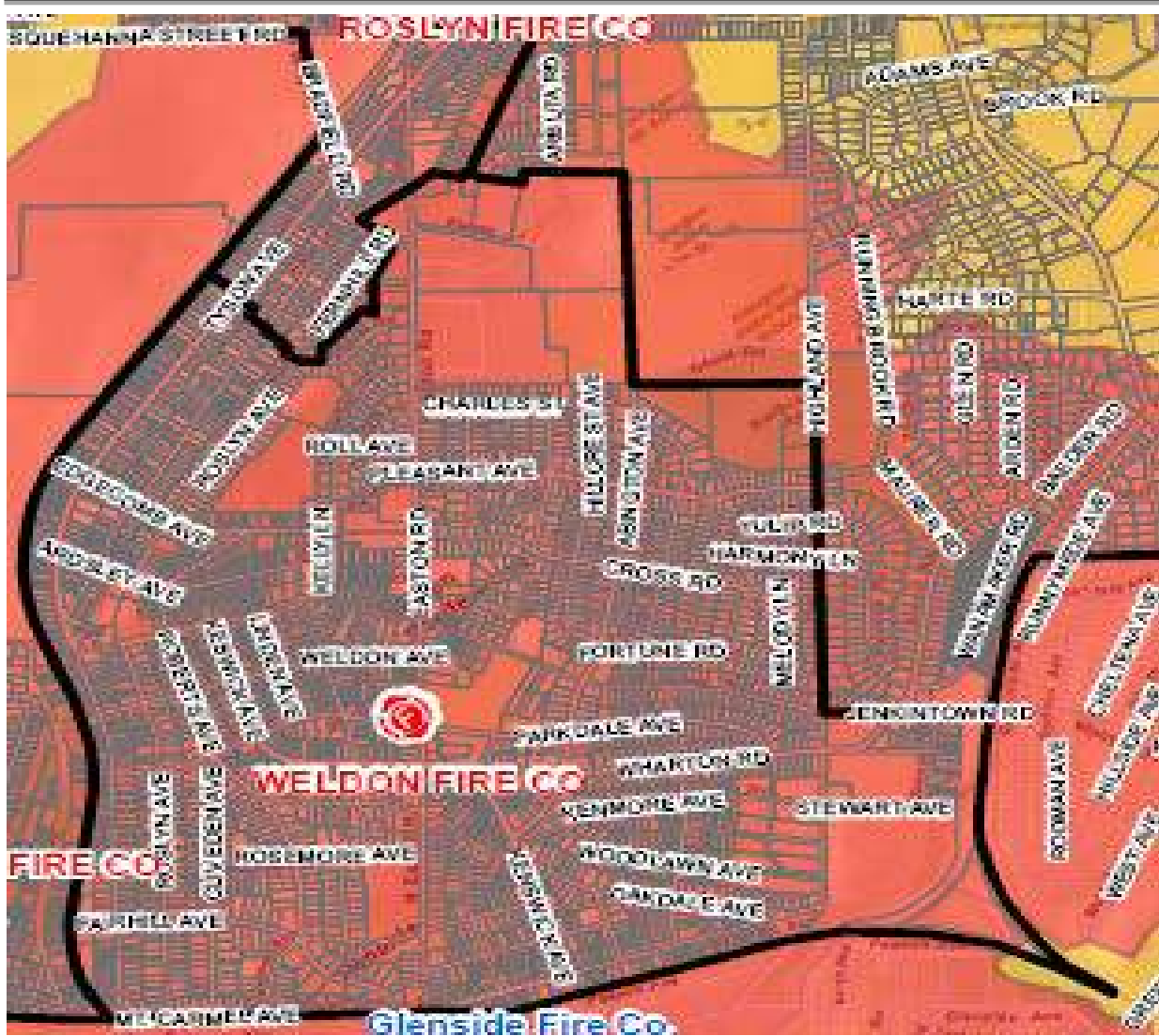


Figure 17 District 300 Travel Distances in Road Miles

DISTRICT 300 – Red = 1.5 road miles, Orange = 2.5 road miles.

Red Circles indicate A.T.F.D. fire stations, Blue circles indicate Automatic/Mutual aid stations

The Weldon Fire Company station is located centrally in District 300 on a main north-south thoroughfare. All locations within the District are within 1.5 road miles of travel distance from the station. The district is primarily single family homes with one large historic theatre district and two elementary schools. The company also supports one heavy industrial facility that has an internal fire brigade, which is classified high risk for hazardous materials.

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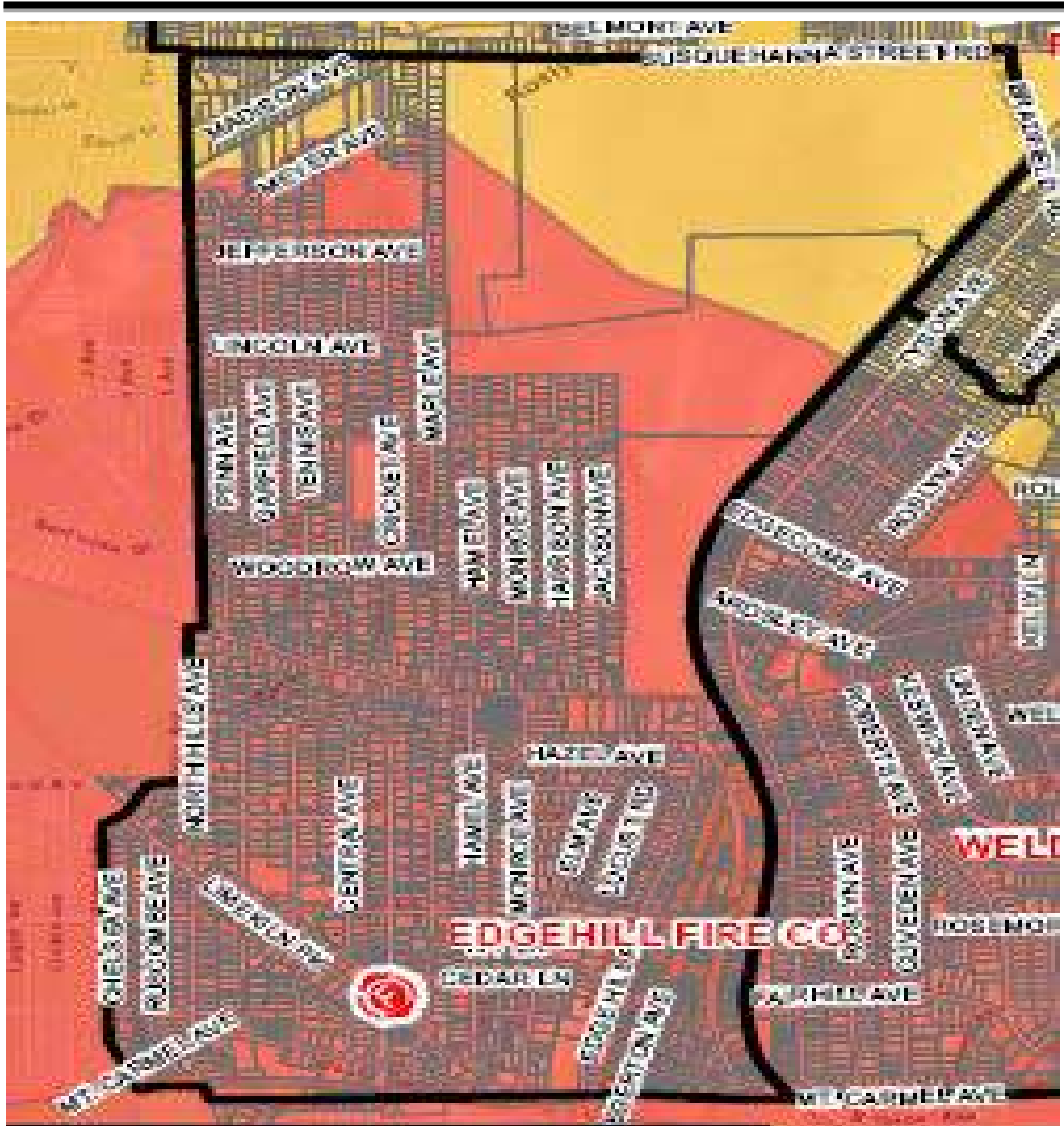


Figure 18 District 400 Travel Distances in Road Miles

DISTRICT 400 – Red = 1.5 road miles, Orange = 2.5 road miles.

Red Circles indicate A.T.F.D. fire stations, Blue circles indicate Automatic/Mutual aid stations

The Edge Hill Fire Company station in District 400 is located toward the southwest corner of the District and Township. Travel distances from the station to all occupied portions of the district are within 1.5 road miles. The northeastern portion of the district is a large wooded cemetery and wildlife refuge area. The station is located within the one commercial zone of the district with numerous small business and retail occupancies. Roslyn Fire Company, Station 500 is located within ½ mile of this northern border.

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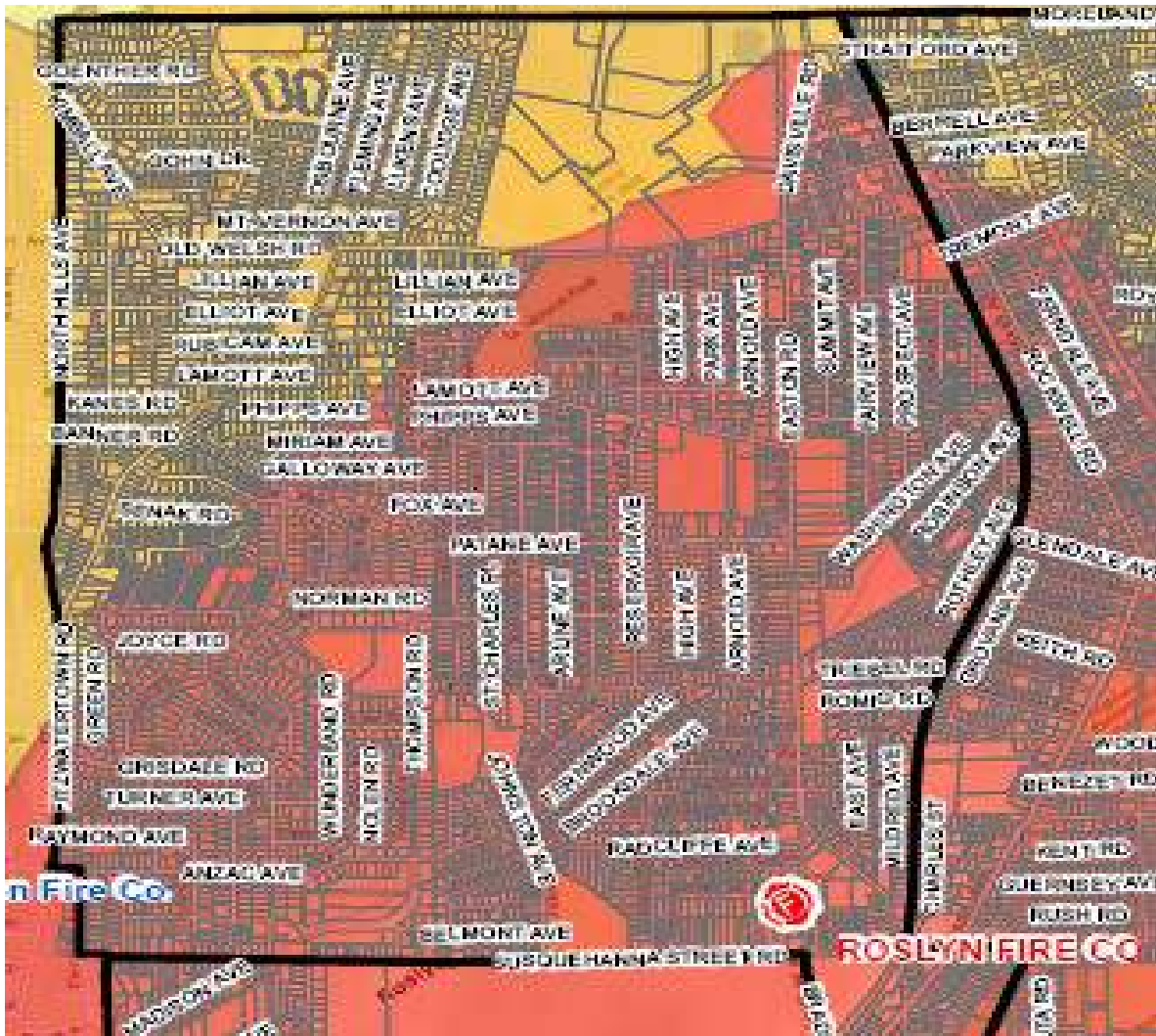


Figure 19 District 500 Travel Distances in Road Miles

DISTRICT 500 – Red = 1.5 road miles, Orange = 2.5 road miles.

Red Circles indicate A.T.F.D. fire stations, Blue circles indicate Automatic/Mutual aid stations

The Roslyn Fire Company station is located in the southeastern corner of District 500 at the northwestern corner of the Township. Covering 2.28 square miles, the farthest portion of the district is within 2.5 miles of the station. The Willow Grove and Fort Washington Fire Companies providing automatic/mutual aid to these areas are within ½ mile of the west and northern borders of the District.

The Fire Department has several areas within its jurisdiction that fall outside the four-minute initial response catchment areas. These areas have been supplemented by automatic/mutual aid as illustrated below. Aid is provided by the Willow Grove, Bryn Athyn and Huntingdon Valley Fire companies on the northern border, Huntingdon Valley and Rockledge on the eastern border, Cheltenham, Ogontz, Glenside and Oreland on the southern border and Oreland and Fort Washington Fire companies on the western side of the township. Jenkintown Fire Department, operating two companies, also provides aid to the township. Automatic/Mutual Aid Fire Companies Distribution and Concentration Maps are included in Section I, C.

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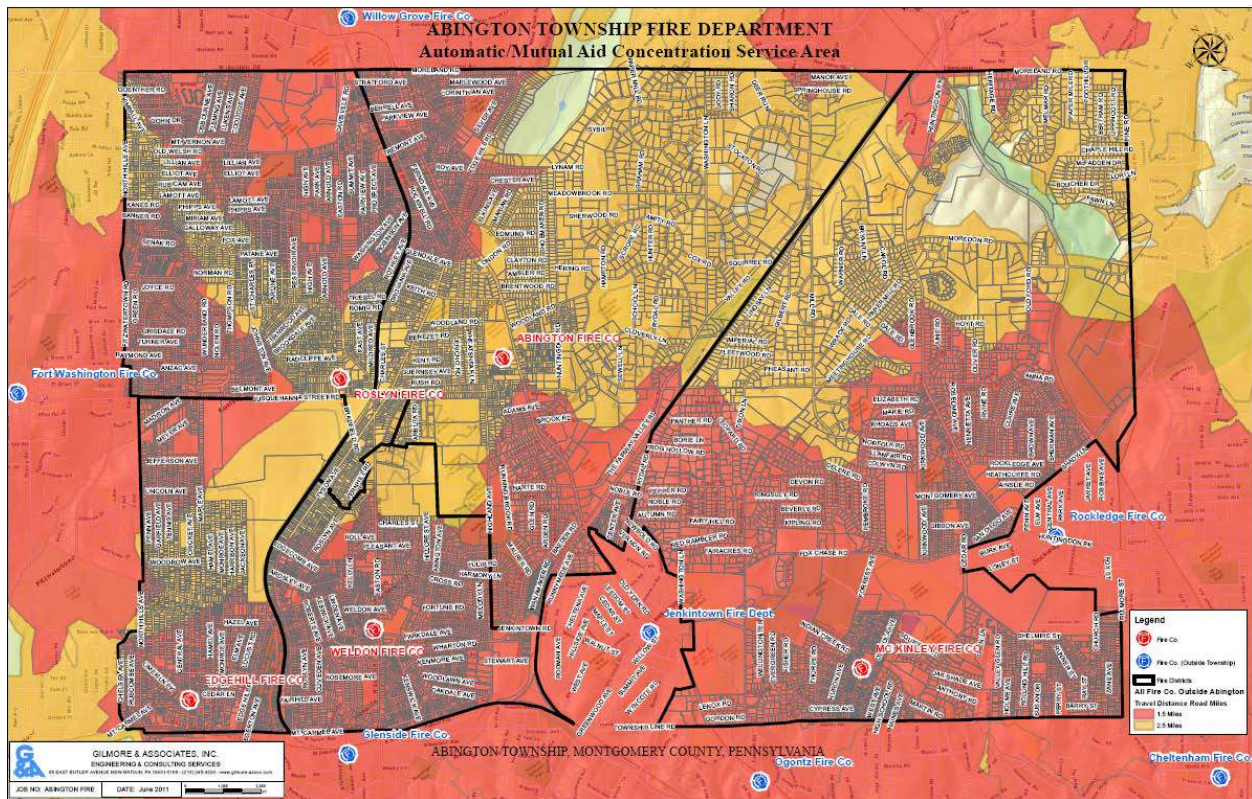


Figure 20 Automatic/Mutual Aid Travel Distances in Road Miles
Automatic/Mutual Aid Distribution – Red = 1.5 road miles, Orange = 2.5 road miles. Red Circles indicate A.T.F.D. fire stations, Blue circles indicate Automatic/Mutual aid stations

Concentration Factors

The Fire Department has multiple apparatus located within each of the five stations that can either respond independently or in concentration. Ten engines, four aerials, one heavy rescue and one air unit are dispersed throughout these locations. Comparison of the following tables with square mileage data from the distribution information above shows that the Department has designed the size of certain still districts and concentration of resources based on incident frequency over the past five years.

Table 25 # of Incidentsx5yr, % of Total, Incidents/Square Miles by Planning Areas and Township

Planning Areas	# of Incidents	% of Total	# of Incidents/Square Miles
District 100	1,915	27	442
District 200	1,991	29	325
District 300	822	12	591
District 400	443	6	325
District 500	1,785	26	782
Township Wide	6,956	100	463

The A.T.F.D. and Automatic/Mutual Aid Concentration Map below, illustrates how the Fire Department has addressed incident frequency through redundancy of coverage. The map shows those areas which have a 1.5 mile travel distance from any station, theoretically

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representing a 3.2 minute travel time in red, based on the ISO travel formula ($1.7 \times \text{distance} + 0.65$) and 4.9 minutes in orange. For example, a building fire in District 400 will dispatch Station 400 (2 engines, aerial, special service), Station 300 (2 engines, heavy rescue, air unit) and an additional engine and ladder from the closest station whether from another Station or automatic/mutual aid company. All stations are within a 2 1/2 mile road travel distance.

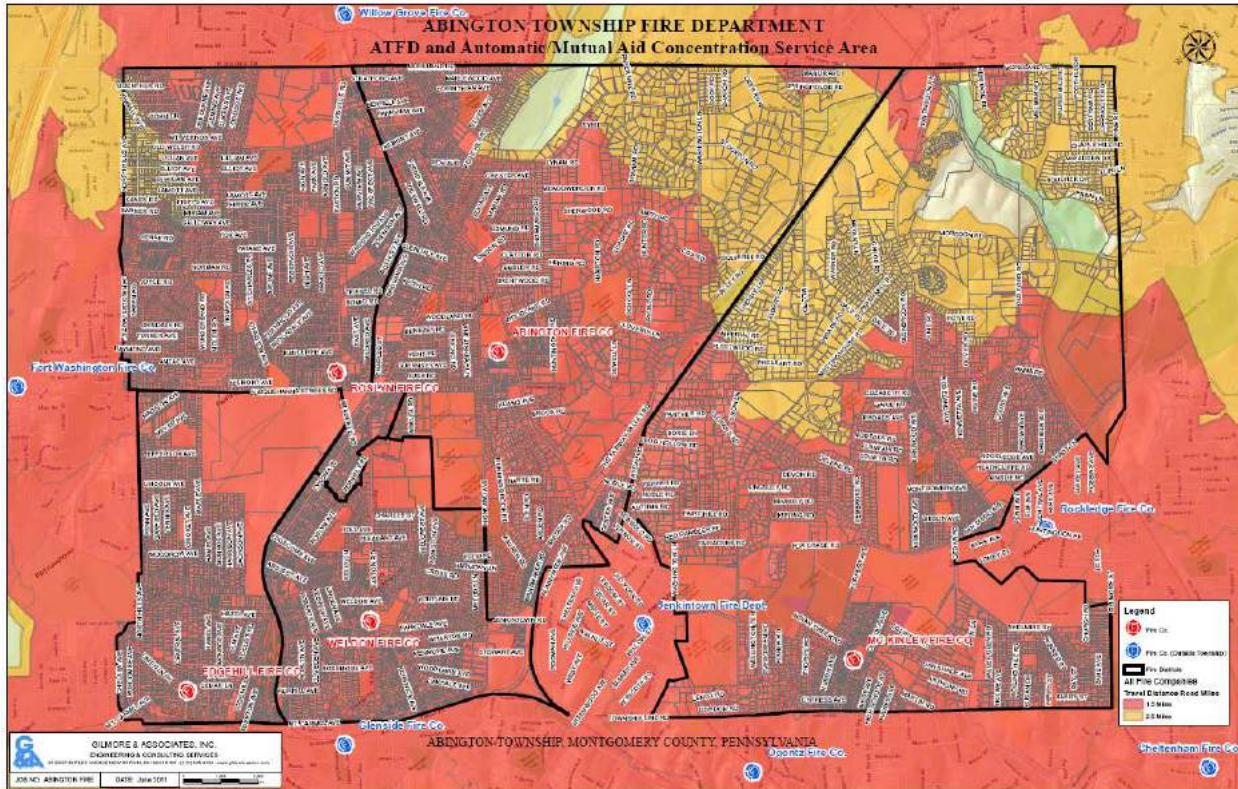


Figure 21 A.T.F.D. and Automatic/Mutual Aid Concentration Service Area

A.T.F.D. & Automatic/Mutual Aid Concentrations – Red = 1.5 road miles, Orange = 2.5 road miles. Red Circles indicate A.T.F.D. fire stations, Blue circles indicate Automatic/Mutual aid stations

The above concentration map indicating the locations of A.T.F.D. stations and mutual/automatic aid stations illustrates the concentration of numerous resources within a 2.5 mile travel distance of all points within the township. Within the township, four engines and two aerial devices are located within any 2.5 mile travel distance of any point. Over eighty percent of the township has travel distances of 1.5 miles to any point by the same concentration of resources. Including the mutual aid stations indicated above, there are 27 engines capable of delivering at least 1500 gpm of water flow each, three rescue apparatus and nine aerial devices of 100 feet or greater.

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Reliability Factors

A reliability study of the historical response to incidents demonstrates the Fire Department's attempt to meet the response time benchmarks for first due and to establish an Effective Response Force (ERF). Again the major focus of the analysis was on the total overall response time. A systematic evaluation of all A.T.F.D. apparatus was conducted including time in service, availability, first due and mutual aid responses and total responses. An evaluation of response during multiple incident periods was also conducted.

Table 26 Unit Responses January 2013-December 2017

	Response by Districts							Average Time on Call
	100	200	300	400	500	Mutual Aid	Total	
Squad 100	1,036	90	14	4	349	48	1,541	21.6m
Squirt 100	371	161	58	5	228	148	971	27.6m
Engine 200	41	1,636	8	3	14	370	2,072	19.2m
Squad 200	13	497	0	0	1	66	577	21.6m
Engine 302	196	55	663	145	272	141	1,472	22.8m
Engine 300	58	14	172	54	43	29	370	37.2m
Engine 400	25	27	58	141	81	29	361	38.4m
Pipeline 400	17	17	23	203	59	31	350	14.4m
Engine 500	67	25	45	33	577	101	848	23.4m
Squad 500	52	18	27	15	917	57	1029	22.8m
Ladder 100	334	327	35	34	234	311	1,275	25.2m
Ladder 200	70	549	3	2	18	87	729	25.8m
Ladder 400	25	20	67	150	50	222	534	28.8m
Tower 500	143	17	23	15	195	172	565	57.0m
Rescue 300	239	265	206	67	241	103	1,121	28.2m

Denotes First Due District

The chart above represents all major apparatus in the Department. It is grouped by engines (pumping capacity at least 1500 GPM), then aerial devices followed by a heavy rescue. A review of the data and incident numbers for the past three years has indicated the apparatus with higher incident counts and times in service can be attributed to first out apparatus on mutual aid and concentration based incidents where that apparatus is on scene versus the second due apparatus reducing speed or recalling on a large majority of the calls. Understanding that all five stations house two engines, the second out apparatus will have a substantial decrease in time and incidents (e.g. Station 500 has two engines, Engine 500 and Squad 500. The Squad is a first due or out, apparatus while the Engine responds second or third to incidents). Whereas the first due engines in the districts have increased times on scene. Times in service over the past three years are indicated in the below chart. Maintenance and training times are negligible as the Department operates its own training facility centrally located that units may respond from. All five companies perform in-house maintenance and inspection on their apparatus reducing any down or out of service time.

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Table 27 Time in Service/Hours

Time in Service/Hours (Percent Available)						
	2013	2014	2015	2016	2017	Total
Squad 100	119.68 (98.63%)	162.13 (98.15%)	100.83 (98.85%)	97.39 (98.99%)	78.45 (99.10%)	558.48 (98.72%)
Squirt 100	93.50 (98.93%)	83.96 (99.04%)	123.80 (98.59%)	67.12 (99.23%)	69.75 (99.20%)	438.13 (99.0%)
Engine 200	141.55 (98.38%)	153.60 (98.25%)	171.51 (98.04%)	106.61 (98.78%)	95.20 (98.91%)	668.47 (98.47%)
Squad 200	27.44 (99.69%)	34.47 (99.61%)	55.71 (99.36%)	37.15 (99.58%)	53.38 (99.39%)	208.15 (99.52%)
Engine 302	149.54 (98.29%)	161.65 (98.15%)	106.45 (98.78%)	141.51 (98.38%)	111.66 (98.73%)	670.81 (98.47%)
Engine 300	39.18 (99.55%)	36.23 (99.59%)	62.57 (99.29%)	37.43 (99.57%)	52.65 (99.40%)	228.06 (99.48%)
Engine 400	57.75 (99.34%)	46.62 (99.47%)	63.66 (99.27%)	30.40 (99.65%)	37.99 (99.57%)	236.42 (99.46%)
Pipeline 400	36.93 (99.58%)	40.93 (99.53%)	31.04 (99.65%)	19.64 (99.78%)	81.06 (99.07%)	209.60 (99.52%)
Engine 500	101.17 (98.85%)	103.69 (98.82%)	89.56 (98.98%)	23.78 (99.73%)	18.52 (99.79%)	336.72 (99.23%)
Squad 500	72.85 (99.17%)	54.19 (99.38%)	62.44 (99.29%)	88.67 (98.99%)	115.00 (98.69%)	393.15 (99.10%)
Ladder 100	96.22 (98.90%)	122.31 (98.60%)	122.35 (98.60%)	112.38 (98.72%)	93.15 (98.94%)	546.41 (98.75%)
Ladder 200	55.54 (99.27%)	68.35 (99.22%)	66.18 (99.24%)	65.81 (99.25%)	64.33 (99.27%)	320.21 (99.27%)
Ladder 400	67.99 (99.22%)	55.18 (99.37%)	55.13 (99.37%)	28.11 (99.68%)	43.29 (99.51%)	249.70 (99.43%)
Tower 500	87.42 (99.0%)	54.45 (99.38%)	60.61 (99.31%)	38.21 (99.56%)	57.68 (99.34%)	298.37 (99.32%)
Rescue 300	129.76 (98.52%)	93.43 (98.93%)	142.81 (98.37%)	69.33 (99.21%)	105.32 (98.80%)	540.65 (98.77%)

A review of the overlapping incidents for the past five years indicated an increasing trend for overlapping incidents of a concentration nature. The overlapping incident rates for distribution areas remained relatively stable over the five year period for the five stations, with a spike in 2016 for Station 100 and 2014 for Station 200. Late summer storms brought down numerous trees and wires in this district over a short period of time accounting for the spikes. All calls were handled expeditiously, utilizing units from the other four fire stations, as well as automatic/mutual aid. The chart below indicates the total overlapping incidents township wide with the individual stations representing the amount of first due or distribution incidents overlapping for the same period.

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Table 28 Overlapping Incidents

OVERLAPPING INCIDENTS						
	2013	2014	2015	2016	2017	Total
Station 100	14	33	14	50	6	117
Station 200	9	51	15	11	23	109
Station 300	1	8	3	3	1	16
Station 400	1	3	8	2	0	14
Station 500	15	23	13	6	7	64
Township Wide	40	118	53	72	37	320

A major portion of the Department's reliability relies on the availability of the volunteer workforce to respond. A review of the data over the last five years indicates that on average fifteen volunteers responded on every incident the department was dispatched to. This number does not include the members of all automatic/mutual aid companies, since some attendance records cannot be captured at this time. Below is a snap shot of attendance at medium risk structure fires over the past five years, excluding those from automatic/mutual aid companies. As can be observed through the data, the Department has the capability to man an effective response force on structure fires within the township, as well as maintain a ready force on standby for concurrent incidents.

Table 29 Staffing - Building Fires

Staffing - Building Fires				
YEAR	Incidents	On Scene	On Standby	Total
2013	17	788	373	1,161
2014	17	750	309	1,059
2015	14	647	188	835
2016	18	849	327	1,176
2017	24	960	376	1,336
Total	90	3,107	722	3,839
Staffing Building Fires average per call				
2013		41.4	19.6	61.1
2014		44.1	18.1	62.2
2015		46.2	13.2	59.6
2016		47.1	18.1	65.3
2017		40	15.6	55.6
Staffing Building Fires 3year @ 90th Percentile				
2013		18	7	42
2014		32	12	46
2015		32	4	38
2016		36	10	58
2017		24	9	38

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Comparability Factors

The Fire Department's service area is largely developed with an average population density of more than 2,000 per square mile, with the total jurisdiction falling within the urban (2,000 to 3,000 people per square mile) population classifications as defined by the Commission on Fire Accreditation International (CFAI) in the Fire and Emergency Service Self Assessment Manual, 8th ed., pg. 71, and NFPA 1720 (specified as > 1000 per square mile). Alarm Handling times are provided the Fire Department by the Montgomery County Emergency Dispatch Center (MCEDC) which has been CALEA certified. Documentation is available through the MCEDC.

Baseline Performance Tables

Table 30 Baseline Performance - Structure Fires - 90th Percentile Times

Structure Fires - 90th Percentile Times - Baseline Performance		2013 - 2017	2017	2016	2015	2014	2013
Alarm Handling	Pick-up to Dispatch	1:34	1:43	1:30	2:22	1:37	1:22
Turnout Time	Turnout Time 1st Unit	4:48	4:00	5:11	4:44	3:32	4:53
Travel Time	Travel Time 1st Unit Distribution	4:24	5:04	4:12	3:59	4:29	5:13
	Travel Time ERF Concentration	6:07	4:23	6:25	6:00	7:20	8:26
Total Response Time	Total Response Time Distribution	8:02	8:00	8:45	7:44	7:39	8:05
		(101)	(18)	(19)	(19)	(21)	(24)
	Total Response Time ERF Distribution	10:40	9:37	12:22	11:12	10:43	10:19
		(101)	(18)	(19)	(19)	(21)	(24)

() = total incidents evaluated

Baseline data for 2017 show that the Fire Department is meeting its benchmarks for fire suppression. The Fire Department has not had a technical rescue or hazardous material incident in the past year. All data and response time analysis are based on suppression

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activities. With changes at the Montgomery County Emergency Dispatch Center (EDC) the call handling time had increased over the past two years. The Fire Department worked with the EDC to reduce 'on air' time of dispatch tones and has been capable of making that time up through turnout times and changes in the distribution of concentration of resources. At the current time, the Fire Department is developing response data from our Mutual and Automatic Aid companies. A direct link from Montgomery County EDC CAD to Firehouse Software is being worked on and tested at the County.

In accordance with NFPA 1720, Response time begins upon completion of the dispatch notification and ends at the time interval shown above. The Fire Department has not responded to any high or special risk structure fires in the past five years. All response data reflected in the above chart is in response to medium risk structures. The available data includes some but not all of the automatic/mutual aid resources which are responding on the first alarm to structures in the township.

Table 31 Baseline Performance - Fire Suppression Non-Structure - 90th Percentile Times

Fire Suppression Non-Structure - 90th Percentile Times - Baseline Performance		2013 - 2017	2013	2014	2015	2016	2017
Alarm Handling	Pick-up to Dispatch	1:34	1:43	1:30	2:22	1:37	1:22
Total Response Time	Total Response Time 1st Unit On Scene Distribution	7.58	6.26	7.53	7.10	6.58	7.33
	Total Response Time ERF Concentration	9.43	9.10	8.05	8.46	9.53	9.31

NOTE: Up until this time, the Fire Department has not tracked/analyzed the travel and turnout time data for Low Risk Fire Suppression. Through this process, the Fire Department has identified a need to track this data in the future as identified in the recommendations section of this document.

Fire Suppression Non-Structure includes all low risk fire responses. The Department has not responded to a high risk fire incident in the past three years. This includes vehicle fire, brush, woods, trash, dumpsters, electrical outside and other. On all low risk suppression incidents the Fire Company first due in the District will be dispatched as a whole. Depending on the type of incident either engine from the company may respond first due as assigned by the Fire Company based on equipment carried on the apparatus. All engines in the Fire Department are NFPA compliant and capable of responding first due on suppression incidents. However, each may carry additional or specific equipment based on the needs of the District served. As an example, Pipeline 400 with the Edge Hill Fire Company is a 1500 GPM pumper with the capability of first due response to structures, but has the capability of extended five inch hose deployment for water supply and has booster and forestry hose lines for use on brush/field fires and may be first due for trash and dumpsters.

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Table 32 Baseline Performance - Rescue - 90th Percentile Times

Rescue - 90th Percentile Times - Baseline Performance		2013 - 2017 (35)	2013 (8)	2014 (6)	2015 (7)	2016 (3)	2017 (11)
Alarm Handling	Pick-up to Dispatch	1:34	1:43	1:30	2:22	1:37	1:22
Turnout Time	Turnout Time 1st Unit	4:30	4:15	3:48	4:36	4:38	4:31
Travel Time	Travel Time 1st Unit Distribution	5:52	6:06	4:37	3:38	6:03	3:37
	Travel Time ERF Concentration	6:41	7:11	8:05	5:38	6:59	6:26
Total Response Time	Total Response Time 1st Unit On Scene Distribution	7:38	5:32	8:05	7:22	7:24	6:36
	Total Response Time ERF Concentration	9:26	10:02	8:42	9:07	8:49	8:43

() = number of incidents evaluated.

The above chart illustrates the baseline performance of units in response to rescue incidents throughout the township. For this period, the department did not respond to high or special risk rescue incidents. All of the above data is derived from low-medium risk level incidents consisting of vehicle, elevator extrications and flood evacuation. The data is compiled for the Fire Department resources only and does not include any Automatic/Mutual aid resource information due to incompatible Records Management Systems.

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Table 33 Baseline Performance - Hazardous Materials - 90th Percentile Times

Hazardous Materials - 90th Percentile Times - Baseline Performance		2013 - 2017 (40)	2013 (11)	2014 (10)	2015 (3)	2016 (9)	2017 (7)
Alarm Handling	Pick-up to Dispatch	1:34	1:43	1:30	2:22	1:37	1:22
Turnout Time	Turnout Time 1st Unit	4:13	4:19	4:26	2:24	4:11	5:00
Travel Time	Travel Time 1st Unit Distribution	4:52	3:10	3:04	4:29	4:55	1:22
	Travel Time ERF Concentration	7:14	4:16	7:11	7:25	7:16	4:52
Total Response Time	Total Response Time 1st Unit On Scene Distribution	7:11	6:42	6:51	7:25	7:37	6:47
	Total Response Time ERF Concentration	8:48	7:27	8:07	7:51	8:50	8:47

() number of incidents evaluated

The 90th percentile for hazardous materials response is based upon low risk responses, predominately to fluids on the roadway and one medium heating oil spill in a single family dwelling. The department has not responded to a high risk hazardous material incident in the past five years. Fire Department response to hazardous materials incidents is at the operations level. For more involved incidents, the Fire Department relies on aid provided through the Montgomery County Hazardous Materials Response Team.

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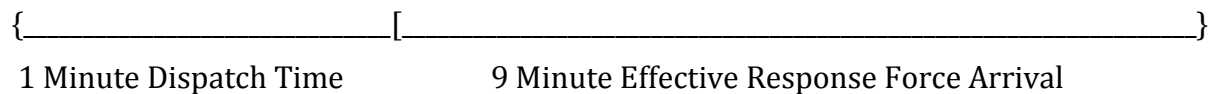
F. Performance Objectives and Measurement

Performance Objectives – Benchmarks

The Fire Department’s time benchmarks or goals are defined as they relate to NFPA 1221: *System for the Installation, Maintenance, and Use of Emergency Services Communications Systems* which calls for a 1 minute dispatch time, and NFPA 1720: *Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Special Operations to the Public by Volunteer Fire Department (2010) Edition* which calls for assembling an effective response force of 15 fire fighters within 9 minutes, 90 percent of the time on all medium level risk - structure fires. Through an analysis of population density all planning areas within the township fall into the “urban” classification.

The Fire Department currently tracks notification (call received), dispatch, and turnout and arrival time through an automated download into Firehouse Software for all apparatus. The total Effective Response Force, response time benchmark is 10 minutes: one minute for dispatch notification and 9 minutes for total effective response force arrival.

The line chart below illustrates the Fire Department’s benchmark as it relates to NFPA 1221 and NFPA 1720.



Fire Suppression Services Program

For 90 percent of all low, medium, high and special risk fires, the total response time for the arrival of the first-due unit, staffed with 4 firefighters, shall be: 7 minutes and 0 seconds in urban areas. The first due unit for all risk levels shall be capable of: providing 500 gallons of water and 1,500 gallons per minute (GPM) pumping capacity; initiating command; requesting additional resources; establishing and advancing an attack line flowing a minimum of 150 GPM; establishing an uninterrupted water supply; containing the fire; rescuing at-risk victims; and performing salvage operations. These operations shall be done in accordance with departmental Operational Guidelines while providing for the safety of responders and the general public.

For 90 percent of all medium, high and special risk fires, the total response time for the arrival of the Effective Response Force (ERF), staffed with 15 firefighters and officers for medium risk and 24 firefighters and officers for high and special risks, shall be: 11 minutes and 0 seconds in urban areas. The ERF for medium risk shall be capable of: establishing command; providing an uninterrupted water supply; advancing an attack line and a backup line for fire control; complying with the Occupational Safety and Health Administration (OSHA) requirements of two in-two out; completing forcible entry; searching and rescuing at-risk victims; ventilating the structure; controlling utilities; and performing salvage and overhaul. The ERF for high and special risk structure fires shall also be capable of placing elevated streams into service from aerial ladders. These operations shall be done in

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accordance with departmental Operational Guidelines while providing for the safety of responders and the general public.

Emergency Medical Services Program

The Township of Abington contracts with the Second Alarmers Rescue Squad of Willow Grove to provide all Emergency Medical Services (EMS) within the Township. The Fire Department does not operate an EMS response vehicle. All members of the Fire Department are trained and certified in 1st Aid and CPR and the use of automated external defibrillators (AEDs). The Fire Department may be called upon from time to time to assist EMS crews with lifting, extrication and/or packaging of a patient for various reasons by request of the EMS Supervisor.

Hazardous Materials Services Program

For 90 percent of all low, medium, high and special risk hazardous materials incidents, the total response time for the arrival of the first-due unit, staffed with 4 firefighters, shall be: 7 minutes and 0 seconds in urban areas. The first due unit for all risk levels shall be capable of: providing 500 gallons of water and 1,500 gallons per minute (GPM) pumping capacity; initiating command; requesting additional resources; establishing site security and identification of hazardous materials; containing the material; rescuing at-risk victims; and performing emergency decontamination. These operations shall be done in accordance with departmental Operational Guidelines while providing for the safety of responders and the general public.

For 90 percent of all medium, high and special hazardous materials incidents, the total response time for the arrival of the Effective Response Force (ERF), staffed with 15 firefighters and officers for medium risk and 24 firefighters and officers for high and special risks, shall be: 11 minutes and 0 seconds in urban areas. The ERF for medium risk shall be capable of: establishing command; providing an uninterrupted water supply; establishing decontamination; complying with the Occupational Safety and Health Administration (OSHA) requirements of two in-two out; completing forcible entry; searching and rescuing at-risk victims; establishing; controlling utilities; and performing control and containment. These operations shall be done in accordance with departmental Operational Guidelines while providing for the safety of responders and the general public.

Rescue Services Program

For 90 percent of all low, medium, high and special risk rescue incidents, the total response time for the arrival of the first-due unit, staffed with 4 firefighters, shall be: 7 minutes and 0 seconds in urban areas. The first due unit for all risk levels shall be capable of: providing 500 gallons of water and 1,500 gallons per minute (GPM) pumping capacity; initiating command; requesting additional resources; establishing site safety and stabilization. These operations shall be done in accordance with departmental Operational Guidelines while providing for the safety of responders and the general public.

For 90 percent of all medium, high and special risk rescue incidents, the total response time for the arrival of the Effective Response Force (ERF), staffed with 12 firefighters and officers for medium risk and 22 firefighters and officers for high and special risks, shall be:

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11 minutes and 0 seconds in urban areas. The ERF for medium risk shall be capable of: establishing command; providing an uninterrupted water supply for fire control; complying with the Occupational Safety and Health Administration (OSHA) requirements of two in-two out; completing forcible entry; searching and rescuing at-risk victims; controlling utilities; establishing site security, safety and control. The ERF for high and special risk rescues shall also be capable of placing advanced rescue systems into service. These operations shall be done in accordance with departmental Operational Guidelines while providing for the safety of responders and the general public.

In summary, the department benchmark objectives are as follows:

Table 34 Benchmark Objectives

Measured at the 90 th Percentile		Suppression	EMS	Haz-Mat	Tech Rescue	Other
Total Response Time	Total Response Time 1st Due	7:00	N/A	7:00	7:00	7:00
	Total Response Time ERF	11 minutes	N/A	11 minutes	11 minutes	11 minutes

Performance Objectives – Baselines

Fire Suppression Services Program

For 90 percent of all low, medium, high and special risk fires, the total response time for the arrival of the first-due unit, staffed with 4 firefighters, has been: 8 minutes and 02 seconds in urban areas. The first due unit for all risk levels have been capable of: providing 500 gallons of water and 1,500 gallons per minute (GPM) pumping capacity; initiating command; requesting additional resources; establishing and advancing an attack line flowing a minimum of 150 GPM; establishing an uninterrupted water supply; containing the fire; rescuing at-risk victims; and performing salvage operations. These operations shall be done in accordance with departmental Operational Guidelines while providing for the safety of responders and the general public.

For 90 percent of all medium, high and special risk fires, the total response time for the arrival of the Effective Response Force (ERF), staffed with 15 firefighters and officers for medium risk, has been: 10minutes and 40 seconds in urban areas. The ERF for medium risk shall be capable of: establishing command; providing an uninterrupted water supply; advancing an attack line and a backup line for fire control; complying with the Occupational Safety and Health Administration (OSHA) requirements of two in-two out; completing forcible entry; searching and rescuing at-risk victims; ventilating the structure; controlling utilities; and performing salvage and overhaul.

Emergency Medical Services Program

The Township of Abington contracts with the Second Alarmers Rescue Squad of Willow Grove to provide all Emergency Medical Services (EMS) within the Township. The Fire Department does not operate an EMS response vehicle. All members of the Fire

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Department are trained and certified in 1st Aid and CPR and the use of automated external defibrillators (AEDs). The Fire Department may be called upon from time to time to assist EMS crews with lifting, extrication and or packaging of a patient for various reasons by request of the EMS Supervisor.

Hazardous Materials Services Program

For 90 percent of all hazardous materials incidents, the total response time for the arrival of the first-due unit, staffed with 4 firefighters, has been: 7 minutes and 11 seconds in urban areas. The first due unit for all risk levels have been capable of: providing 500 gallons of water and 1,500 gallons per minute (GPM) pumping capacity; initiating command; requesting additional resources; establishing site security and identification of hazardous materials; containing the material; rescuing at-risk victims; and performing emergency decontamination. These operations have been done in accordance with departmental Operational Guidelines while providing for the safety of responders and the general public.

For 90 percent of all hazardous materials incidents, the total response time for the arrival of the Effective Response Force (ERF), staffed with 5 firefighters and officers for low risks, has been: 8 minutes and 48 seconds in urban areas. The ERF has been capable of: establishing command; providing an uninterrupted water supply; establishing decontamination; complying with the Occupational Safety and Health Administration (OSHA) requirements of two in-two out; completing forcible entry; searching and rescuing at-risk victims; establishing; controlling utilities; and performing control and containment. These operations have been done in accordance with departmental Operational Guidelines while providing for the safety of responders and the general public.

Rescue Services Program

For 90 percent of all rescue incidents, the total response time for the arrival of the first-due unit, staffed with 4 firefighters, has been; 7 minutes and 38 seconds in urban areas. The first due unit for all risk levels has been capable of: providing 500 gallons of water and 1,500 gallons per minute (GPM) pumping capacity; initiating command; requesting additional resources; establishing site safety and stabilization. These operations have been done in accordance with departmental Operational Guidelines while providing for the safety of responders and the general public.

For 90 percent of all rescue incidents, the total response time for the arrival of the Effective Response Force (ERF) has been: 9 minutes and 26 seconds in urban areas. The ERF has been capable of: establishing command; providing an uninterrupted water supply for fire control; complying with the Occupational Safety and Health Administration (OSHA) requirements of two in-two out; completing forcible entry; searching and rescuing at-risk victims; controlling utilities; establishing site security, safety and control . These operations have been done in accordance with departmental Operational Guidelines while providing for the safety of responders and the general public.

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In summary, the department **baseline objective performance** has been as follows:

Table 35 Baseline Objective Performance - Building Suppression Fires - 90th Percentile Times

Building Suppression Fires - 90th Percentile Times		2013-2017	2013	2014	2015	2016	2017
Total Response Time	Total Response Time 1st Due	8:02	8:05	7:39	7:44	8:45	8:00
	Total Response Time ERF	10:40	10:19	10:43	11:12	12:22	9:37

Table 36 Baseline Objective Performance - Haz-Mat - 90th Percentile Times

Haz-Mat - 90th Percentile Times		2013-2017	2013	2014	2015	2016	2017
Total Response Time	Total Response Time 1st Due	7:11	6:42	6:51	7:25	7:37	6:47
	Total Response Time ERF	8:48	7:27	8:07	7:51	8:50	8:47

Table 37 Baseline Objective Performance - Tech Rescue - 90th Percentile Times

Tech Rescue - 90th Percentile Times		2013-2017	2013	2014	2015	2016	2017
Total Response Time	Total Response Time 1st Due	7:38	5:32	8:05	7:22	7:24	6:36
	Total Response Time ERF	9:26	10:02	8:42	9:07	8:49	8:43

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G. Compliance Methodology

Compliance Team / Responsibility

To ensure the Fire Department is meeting current service level objectives, continuous monitoring of service level baselines must be conducted in a regular basis. The Compliance Team, made up of the Fire Services Administrator, all members of the Administrative Support Team and Fire Marshal's Office, utilizing Firehouse Software data, will review service level baselines on an annual basis. Included in the review shall be a summary of the results of the service level objectives, a comparison of current results to previous results and calculations of the difference in results between time periods.

In addition to the review of service level objectives, the Compliance Team will review the response demands within each zone and the identified risks within. The Compliance Team will determine if there have been any changes within a planning zone, changes to service demands or changes in standards or operations that impact the service level objectives or the Community Risk Analysis and Standards of Cover document. These reviews will be conducted on an annual basis.

To aid in the collection and presentation of this information, the Compliance Team will work as a group to assemble all required information and assist the Fire Services Administrator in the interpretation of data and considerations for improvement towards achieving established objectives and goals. The final report will be presented annually to the Township of Abington Board of Commissioners by the Fire Services Administrator.

Performance Evaluation and Compliance Strategy

As previously discussed in Sections One and Two, the Fire Department provides fire and specialty services to include extrication, hazardous materials response, technical rescue and water rescue to the residents of the Township of Abington. The levels of service for each of the areas have also been clearly defined. As the number and types of incidents expand, the Fire Department will continue to review and develop new performance objectives and measures as needed.

Levels of risk have been clearly defined and corresponding risk categories have been assigned for the different levels of service provided. The Fire Department uses an extensive risk matrix, which considers occupancy risk and density, fire density, and response times to evaluate and categorize occupancy risks throughout the Township.

The Abington Township Fire Department, utilizing existing Certified Fire Inspectors, will continue to assess the fire risk of facilities in the township. A system utilizing needed fire flows, pre-planning models and other non-fire related activities will continue to be used. Data will be input, tracked, and analyzed through an Excel Spreadsheet specifically formatted for this purpose.

In conjunction with this program, each planning zone will continually be evaluated utilizing Firehouse Software data, to establish a history of incidents in each area as well as specific locations. The Fire Department will maximize the planning zones with assignment of

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available resources. The Fire Department has developed and evaluates Apparatus Deployment Plans for first and full complement response to incidents. All of these factors combined have provided a comprehensive and substantive approach to performance measurement and evaluation.

Various committees are established to review, modify or design programs to enhance the operational aspects of the Fire Department as it relates to safety, communications, training, and fire prevention. These committees meet on a regular basis to review performance and establish plans for future events and specific needs. Once needs are identified, the committees develop an action plan for implementation that includes but is not limited to written Operating Guidelines, training and full implementation in the field. Once developed, the action plans are reviewed and approved by the five fire chiefs. As illustrated below, the Fire Department will use the CFAI/CPSE model for compliance methodology as the avenue to provide continuous evaluation of the services provided to the community.



Figure 22 Compliance Methodology

Compliance Verification Reporting

As recommended by CFAI, the department used distribution, concentration and reliability studies to comprehensively evaluate its response times over a three year period. Jurisdictional, first arriving apparatus and Effective Response Force arrival were all included as part of the evaluation. The department will continue to monitor performance at these various levels and incident types.

Constant Improvement Strategy

As discussed in Section E., the Fire Department's analysis revealed both strengths and areas that need improvement. As a result, the Department has developed action plans to more

ABINGTON TOWNSHIP FIRE DEPARTMENT Community Risk Analysis and Standards of Cover

accurately assess its performance. Although data collection was possible, much of it had to be completed by hand. The Department now has a better understanding of what information is necessary, and how to retrieve that information in a format that will provide more efficient reporting and analysis.

The Fire Department has identified areas for improvement in its data collection in the following area: incident type identification, access to response time information and Effective Response Force documentation. Certain issues with incident type identification have already been addressed through training.

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H. Overall Evaluation and Conclusion Recommendations

Evaluation Methodology and Determinations

Evaluation Methodology

The Abington Township Fire Department continuously monitored service level baselines over a period of five years. A Compliance Team, made up of the Fire Services Administrator, all members of the Administrative Support Team and Fire Marshal's Office reviewed service level baselines on an annual basis. Included in the review was a summary of the results of the service level objectives, a comparison of current results to previous results and calculations of the difference in results between time periods.

In addition to the review of service level objectives, the Compliance Team reviewed the response demands within each zone and the identified risks within. The Compliance Team determined if there had been any changes within a planning zone, changes to service demands or changes in standards or operations that impacted the service level objectives or the Community Risk Analysis and Standards of Cover document. These reviews were conducted on an annual basis.

To aid in the collection and presentation of this information, the Compliance Team worked as a group to assemble all required information and assisted the Fire Services Administrator in the interpretation of data and considerations for improvement towards achieving established objectives and goals. The final report was presented to the leadership of the five fire companies for review and approval.

Once the final review has been approved by the membership, the Fire Service Administrator will present the findings and final report to the Township of Abington Board of Commissioners for approval and adoption of the Community Risk Analysis and Standards of Cover document.

Evaluation Determinations

The Fire Department has implemented a program to meet local needs by developing service zones. Each response district is divided into geographically smaller service zones. This allows the Fire Department to analyze service areas in a much more focused manner. Risk and performance can then be evaluated on a response district basis as well as by individual service zones, in an effort to more accurately pinpoint areas where service delivery may be improved.

The Fire Department has developed a risk matrix which incorporates occupancy risk, occupancy density, fire density, and protection systems. These tools are then used to assist in building the Fire Department's response plan, and Apparatus Deployment Plans to ensure the appropriate resources are available for incident mitigation. Due to location and geography, the Department has assimilated to its surroundings by offering a variety of services to the community; to include fire suppression, and specialties in the following areas: water rescue, hazardous materials, technical rescue, and extrication. All types of emergency incidents have been critically tasked and built into the response plan to provide adequate resources for such incidents. The Department has attempted to provide equal protection through its distribution of resources and use of Automatic/Mutual Aid.

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Specialty apparatus and teams have been strategically positioned in the Township to best utilize their capabilities.

The Fire Department has developed a comprehensive targeted fire prevention program through the Fire Marshal's Office. This program has been evaluated and recently awarded first place in the State of Pennsylvania by the PA State Fireman's Association. The Fire Department maintains an ongoing smoke and carbon monoxide detector program to assist the needy residents throughout the township. Working with community organizations, the Fire Department is referred to households in need of assistance and provides free training and equipment for those individuals. The Fire Department visits every third grade in all schools in the township annually, providing invaluable educational and safety information to this targeted age group. Fire safety education training is also provided to all staff and residents in nursing homes and day care centers in the township.

Performance Determinations

The Department is slightly above the CPSE/CFAI metropolitan/urban population density credible timeframe for fire response regarding first arrival and assembling an Effective Response Force (ERF). An evaluation of the data indicates that incidents during heavy snowfall events delayed response to a few incidents, raising the baseline response times for the 2015-2016 years period

Table 38 Performance Determination - Building Suppression Fires - 90th Percentile Times

Building Suppression Fires - 90th Percentile Times		2013-2017	2013	2014	2015	2016	2017
Total Response Time	Total Response Time 1st Due	8:02	8:05	7:39	7:44	8:45	8:00
	Total Response Time ERF	10:40	10:19	10:43	11:12	12:22	9:37

Table 39 Performance Determination - Haz-Mat - 90th Percentile Times

Haz-Mat - 90th Percentile Times		2013-2017	2013	2014	2015	2016	2017
Total Response Time	Total Response Time 1st Due	7:11	6:42	6:51	7:25	7:37	6:47
	Total Response Time ERF	8:48	7:27	8:07	7:51	8:50	8:47

Table 40 Performance Determination - Tech Rescue - 90th Percentile Times

Tech Rescue - 90th Percentile Times		2013-2017	2013	2014	2015	2016	2017
Total Response Time	Total Response Time 1st Due	7:38	5:32	8:05	7:22	7:24	6:36

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Tech Rescue - 90th Percentile Times		2013-2017	2013	2014	2015	2016	2017
	Total Response Time ERF	9:26	10:02	8:42	9:07	8:49	8:43

Conclusions

The Fire Department has utilized Firehouse Software as its primary Records Management System. Dispatch information is automatically populated into the system upon notification. This has allowed the Fire Department to collect and analyze valid and reliable data. A team of members review and perform quality checks on all reports entered into the system. Reports are gathered and produced on a monthly basis. Data is presented at each regularly scheduled Chief's meeting and provided to the Board of Commissioners through a monthly report.

The Fire Department is currently operating in compliance with established Operational Guidelines and industry best practices. Guidelines are reviewed and approved on a regular basis and new guidelines are developed as conditions change or needs arise. There are guidelines established for each of the functional areas of the Fire Department including investigation, response operations, safety, communications, etc. All guidelines are in line with established county, state and national guidelines/standards.

Facilities and resources operated by the Fire Department are appropriate and well maintained. Apparatus operated by the five fire companies are well maintained and equipped. The apparatus meet the current NFPA requirements for equipment carried. Each of the five fire stations provides adequate space for the companies and are maintained. The Fire Training Facility is an outstanding resource which is constantly upgraded and improved to provide the most realistic training to the members.

A review and analysis of the data collected through Firehouse Software indicates the Fire Department's response times are credible when compared to other volunteer organizations and surrounding municipalities of the same general size.

Recommendations

The Fire Department has developed and evaluated various programs in an effort to recognized areas of improvement and to capitalize on organizational strengths. Each recommendation has been based on the study of performance over the past three years, and reviewed for its merit and operational feasibility. The recommendations have been selected and prioritized based on recognized needs and financial practicality.

The use of Firehouse Software as a data platform for recording and analyzing information has been a large positive for the Fire Department. However during the accreditation process, it was recognized numerous areas of the system falls short. Much of the data gathered through this database had to be hand counted and analyzed as the software would not produce the reports required when calculating the response times at the 90th percentile. The Fire Department will continue to work with representatives of Firehouse

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Software to develop custom reports to more efficiently analyze data as it refers to Response Times and percentiles for the First Due Units and the Effective Response Force.

The Fire Department's Firehouse Software program does not permit the capturing of the personnel on the Automatic/Mutual Aid Companies. The Fire Department will work with the Montgomery County Department of Public Safety to establish a countywide reporting system that will capture all apparatus and personnel responding to an incident. The capturing of this data will not only enhance the assembly of the Effective Response Force data, but will reduce the overall times reflected in the preceding sections.

The Fire Department will evaluate system response time performance data annually in an effort to make adjustments as needed. It is believed that improved data collection will more accurately represent our current performance. As indicated by the distribution and concentration maps of the Automatic/Mutual Aid Companies, the addition and collection of data for these resources will undoubtedly improve response times in most areas of our jurisdiction.

The Fire Department will work with the Abington Township Board of Commissioners to continue and extend the Opti-com System to traffic signals at all intersections within the Township. The use of the Opti-com System has assisted in response and the safety of personnel with controlling the traffic signals at the major intersections in the Township. There are still roadways with traffic control devices that still need coverage to enable the apparatus to control the signal devices.

The Fire Department Training Facility provides an excellent resource for fire training, the addition of specialized props for technical rescue, specifically trench and confined space greatly enhanced the availability of qualified personnel trained in these specific techniques. Props designed specifically for these evolutions added another layer of safety and realism to the training that could not be provided in the past. Personnel requiring specialized training are no longer required to travel to other facilities outside the area to receive the current training.

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I. Appendices, Exhibits, and Attachments

- A. Incident Data Charts
 - 1. Five Year Incident History
 - 2. Incidents by Day of Week
 - 3. Incidents by Month
 - 4. Building Fires by District, Day of Week and Shift
 - 5. Building Fires by District
 - 6. Building Fires by District by Month
 - 7. Rescues by District – Five Years
 - 8. Hazardous Materials Incidents by District – Five Years

- B. A.T.F.D. Risk Assessment Planning Zones A1 – J6
 - 1. Fire Fatalities – 15 years
 - 2. Transportation – Railroad crossings
 - 3. Apparatus Deployment Plans Map

- C. A.T.F.D. Distribution – Concentration Maps
 - 1. Abington Fire Company
 - 2. McKinley Fire Company
 - 3. Weldon Fire Company
 - 4. Edge Hill Fire Company
 - 5. Roslyn Fire Company
 - 6. A.T.F.D. Concentration Service Area
 - 7. Automatic/Mutual Aid Concentration Service Area
 - 8. A.T.F.D. and Automatic/Mutual Aid Concentration Service Area
 - 9. Road Mileage
 - 10. Square Mileage

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A. Incident Data Charts

DISTRICT 100 INCIDENT EXPERIENCE								
TYPE INCIDENT	2013	2014	2015	2016	2017	TOTAL	DISTRICT AVERAGE	TOTAL of Township AVERAGE
Fire	29	40	45	36	30	180	9.40%	15.29%
Overpressure/Explosion	1	0	0	0	0	1	0.05%	10.00%
Rescue	20	13	27	13	26	99	5.17%	29.55%
Hazardous Condition	56	106	55	63	53	333	17.39%	22.39%
Service Call	24	30	27	33	19	133	6.95%	26.28%
Good Intent	25	33	45	19	37	159	8.30%	15.47%
False alarm/call	170	227	196	223	189	1005	52.48%	26.82%
Severe Weather	1	2	0	0	0	3	0.16%	13.04%
Special	0	2	0	0	0	2	0.10%	0.00%
Total Incidents	326	453	395	387	354	1915	100.00%	23.00%

DISTRICT 200 INCIDENT EXPERIENCE								
TYPE INCIDENT	2013	2014	2015	2016	2017	TOTAL	DISTRICT AVERAGE	TOTAL of Township AVERAGE
Fire	34	37	48	38	37	194	9.74%	16.48%
Overpressure/Explosion	1	0	0	1	0	2	0.10%	20.00%
Rescue	14	20	16	14	22	86	4.32%	25.67%
Hazardous Condition	67	116	58	67	73	381	19.14%	25.62%
Service Call	15	18	12	25	25	95	4.77%	18.77%
Good Intent	32	37	31	25	28	153	7.68%	14.88%
False alarm/call	181	211	240	206	228	1066	53.54%	28.45%
Severe Weather	1	5	1	1	0	8	0.40%	34.78%
Special	0	0	3	3	0	6	0.30%	0.00%
Total Incidents	345	444	409	380	413	1991	100.00%	23.91%

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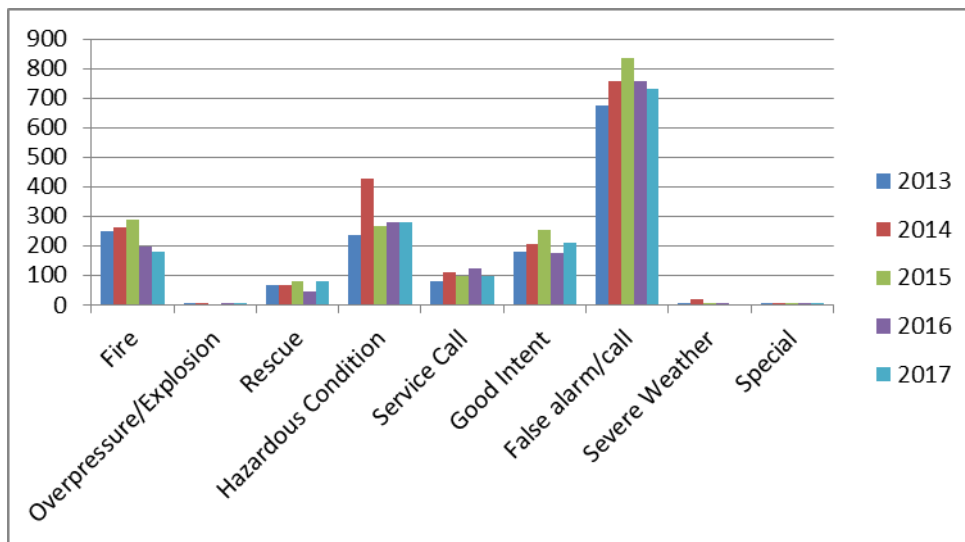
DISTRICT 300 INCIDENT EXPERIENCE								
TYPE INCIDENT	2013	2014	2015	2016	2017	TOTAL	DISTRICT AVERAGE	TOTAL of Township AVERAGE
Fire	40	49	39	30	24	182	22.14%	15.46%
Overpressure/Explosion	0	0	0	0	1	1	0.12%	10.00%
Rescue	7	5	4	4	3	23	2.80%	6.87%
Hazardous Condition	25	43	15	31	25	139	16.91%	9.35%
Service Call	10	8	4	12	6	40	4.87%	7.91%
Good Intent	14	9	15	5	5	48	5.84%	4.67%
False alarm/call	78	79	105	61	63	386	46.96%	10.30%
Severe Weather	0	3	0	0	0	3	0.36%	13.04%
Special	0	0	0	0	0	0	0.00%	0.00%
Total Incidents	174	196	182	143	127	822	100.00%	9.87%

DISTRICT 400 INCIDENT EXPERIENCE								
TYPE INCIDENT	2013	2014	2015	2016	2017	TOTAL	DISTRICT AVERAGE	TOTAL of Township AVERAGE
Fire	16	23	17	16	13	85	19.19%	7.22%
Overpressure/Explosion	0	1	0	0	0	1	0.23%	10.00%
Rescue	3	1	4	3	5	16	3.61%	4.78%
Hazardous Condition	13	34	15	21	26	109	24.60%	7.33%
Service Call	6	8	14	10	10	48	10.84%	9.49%
Good Intent	2	6	1	2	4	15	3.39%	1.46%
False alarm/call	38	39	29	31	30	167	37.70%	4.46%
Severe Weather	0	2	0	0	0	2	0.45%	8.70%
Special	0	0	0	0	0	0	0.00%	0.00%
Total Incidents	78	114	80	83	88	443	100.00%	5.32%

DISTRICT 500 INCIDENT EXPERIENCE								
TYPE INCIDENT	2013	2014	2015	2016	2017	TOTAL	DISTRICT AVERAGE	TOTAL of Township AVERAGE
Fire	33	23	47	22	21	146	8.18%	12.40%
Overpressure/Explosion	0	0	0	3	1	4	0.22%	40.00%
Rescue	18	16	14	2	13	63	3.53%	18.81%
Hazardous Condition	51	90	62	48	56	307	17.20%	20.65%
Service Call	20	39	26	28	30	143	8.01%	28.26%
Good Intent	35	46	24	15	32	152	8.52%	14.79%
False alarm/call	196	185	201	190	187	959	53.73%	25.59%
Severe Weather	1	5	1	0	0	7	0.39%	30.43%
Special	1	1	0	0	2	4	0.22%	0.00%
Total Incidents	355	405	375	308	342	1785	100.00%	21.44%

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TOWNSHIP WIDE INCIDENT EXPERIENCE						
TYPE INCIDENT	2013	2014	2015	2016	2017	TOTAL
Fire	251	260	290	198	178	1177
Overpressure/Explosion	3	1	0	4	2	10
Rescue	68	66	79	43	79	335
Hazardous Condition	237	428	265	279	278	1487
Service Call	81	109	96	122	98	506
Good Intent	180	207	254	177	210	1028
False alarm/call	674	755	834	755	729	3747
Severe Weather	3	17	2	1	0	23
Special	1	3	4	4	2	14
Total Incidents	1498	1846	1824	1583	1576	8327.00



ABINGTON TOWNSHIP FIRE DEPARTMENT
Community Risk Analysis and Standards of Cover

DISTRICT 100 Incidents by Day of Week and Shift

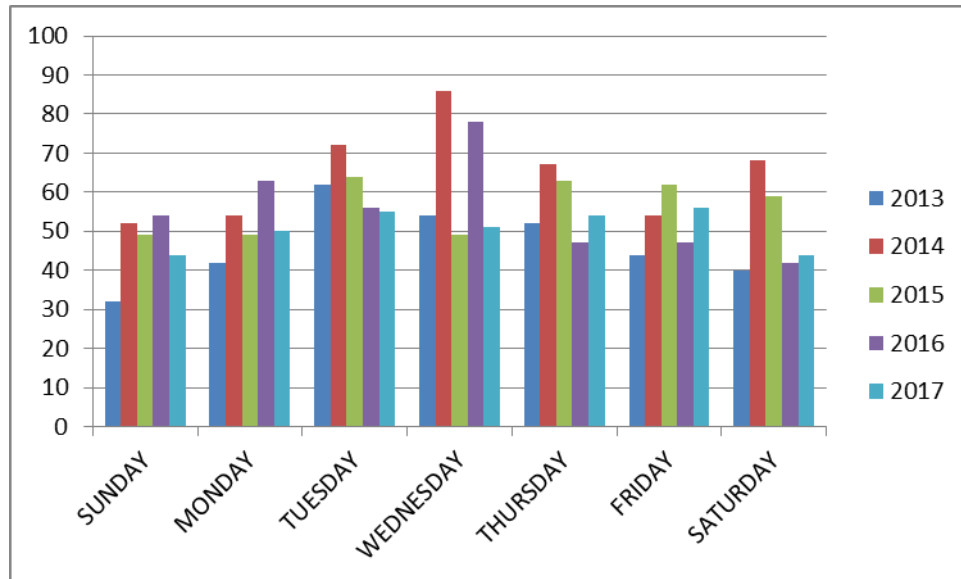
	2013	2014	2015	2016	2017	Total
SUNDAY	32	52	49	54	44	231
0600-1800	25	37	30	40	24	156
1800-0600	7	15	19	14	20	75
Not Identified						0
MONDAY	42	54	49	63	50	258
0600-1800	26	38	33	37	35	169
1800-0600	16	16	16	26	15	89
Not Identified						0
TUESDAY	62	72	64	56	55	309
0600-1800	42	48	48	43	33	214
1800-0600	20	24	16	13	22	95
Not Identified						0
WEDNESDAY	54	86	49	78	51	318
0600-1800	29	53	32	47	32	193
1800-0600	25	33	17	31	19	125
Not Identified						0
THURSDAY	52	67	63	47	54	283
0600-1800	36	43	38	28	47	192
1800-0600	16	24	25	19	7	91
Not Identified						0
FRIDAY	44	54	62	47	56	263
0600-1800	28	39	46	27	40	180
1800-0600	16	15	16	20	16	83
Not Identified						0
SATURDAY	40	68	59	42	44	253
0600-1800	23	47	38	28	28	164
1800-0600	17	21	20	14	16	88
Not Identified			1			1

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DISTRICT 100 Incidents by Day of Week

	2013	2014	2015	2016	2017	Total
SUNDAY	32	52	49	54	44	231
MONDAY	42	54	49	63	50	258
TUESDAY	62	72	64	56	55	309
WEDNESDAY	54	86	49	78	51	318
THURSDAY	52	67	63	47	54	283
FRIDAY	44	54	62	47	56	263
SATURDAY	40	68	59	42	44	253

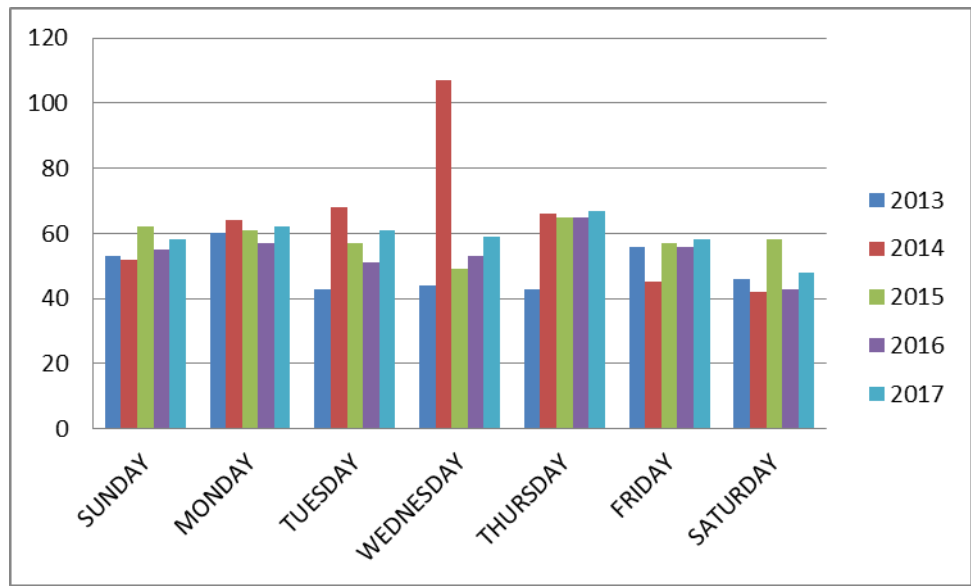


ABINGTON TOWNSHIP FIRE DEPARTMENT
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DISTRICT 200 Incidents by Day of Week and Shift						
	2013	2014	2015	2016	2017	Total
SUNDAY	53	52	62	55	58	280
0600-1800	29	26	44	39	35	173
1800-0600	24	26	18	16	23	107
Not Identified						0
MONDAY	60	64	61	57	62	304
0600-1800	35	34	44	37	43	193
1800-0600	25	30	17	20	19	111
Not Identified						0
TUESDAY	43	68	57	51	61	280
0600-1800	26	42	39	36	34	177
1800-0600	17	26	18	15	27	103
Not Identified						0
WEDNESDAY	44	107	49	53	59	312
0600-1800	26	73	28	31	38	196
1800-0600	18	34	21	22	21	116
Not Identified						0
THURSDAY	43	66	65	65	67	306
0600-1800	28	34	41	40	50	193
1800-0600	15	32	24	25	17	113
Not Identified						0
FRIDAY	56	45	57	56	58	272
0600-1800	33	26	37	38	35	36
1800-0600	23	19	20	18	23	33
Not Identified						0
SATURDAY	46	42	58	43	48	237
0600-1800	23	17	34	28	25	127
1800-0600	23	25	24	15	23	110
Not Identified						0

ABINGTON TOWNSHIP FIRE DEPARTMENT Community Risk Analysis and Standards of Cover

DISTRICT 200 Incidents by Day of Week						
	2013	2014	2015	2016	2017	Total
SUNDAY	53	52	62	55	58	280
MONDAY	60	64	61	57	62	304
TUESDAY	43	68	57	51	61	280
WEDNESDAY	44	107	49	53	59	312
THURSDAY	43	66	65	65	67	306
FRIDAY	56	45	57	56	58	272
SATURDAY	46	42	58	43	48	237



ABINGTON TOWNSHIP FIRE DEPARTMENT
Community Risk Analysis and Standards of Cover

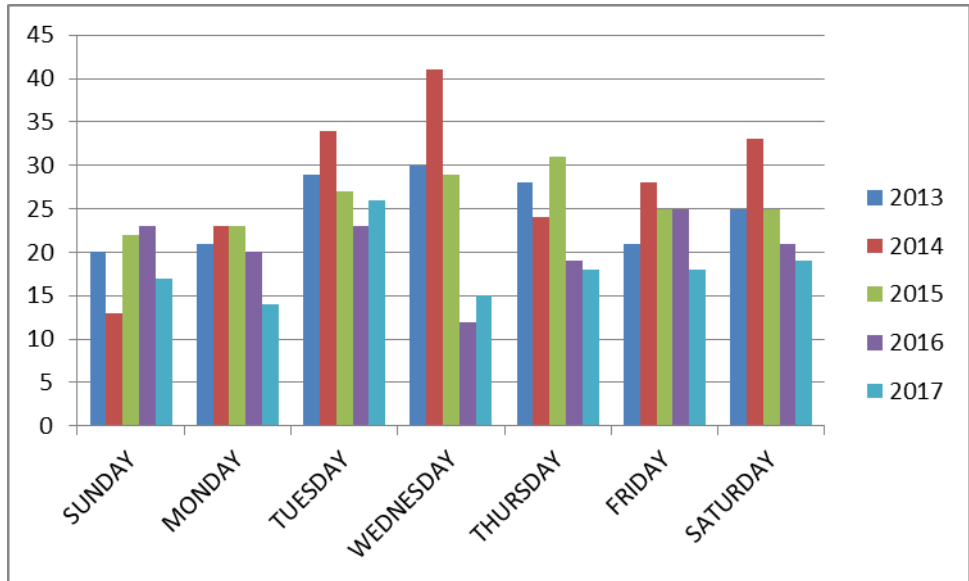
DISTRICT 300 Incidents by Day of Week and Shift

	2013	2014	2015	2016	2017	Total
SUNDAY	20	13	22	23	17	95
0600-1800	12	10	12	12	11	57
1800-0600	8	3	10	11	6	38
Not Identified						0
MONDAY	21	23	23	20	14	101
0600-1800	12	12	11	11	5	51
1800-0600	9	11	12	9	9	50
Not Identified						0
TUESDAY	29	34	27	23	26	139
0600-1800	21	18	19	17	16	91
1800-0600	8	16	10	6	10	50
Not Identified						0
WEDNESDAY	30	41	29	12	15	127
0600-1800	23	29	19	8	11	90
1800-0600	7	12	10	4	4	37
Not Identified						0
THURSDAY	28	24	31	19	18	120
0600-1800	18	15	23	13	14	83
1800-0600	10	9	8	6	4	37
Not Identified						0
FRIDAY	21	28	25	25	18	117
0600-1800	9	16	14	11	8	58
1800-0600	12	12	11	14	10	59
Not Identified						0
SATURDAY	25	33	25	21	19	123
0600-1800	10	22	16	16	11	75
1800-0600	15	11	9	5	8	48
Not Identified						0

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

DISTRICT 300 Incidents by Day of Week						
	2013	2014	2015	2016	2017	Total
SUNDAY	20	13	22	23	17	95
MONDAY	21	23	23	20	14	101
TUESDAY	29	34	27	23	26	139
WEDNESDAY	30	41	29	12	15	127
THURSDAY	28	24	31	19	18	120
FRIDAY	21	28	25	25	18	117
SATURDAY	25	33	25	21	19	123



ABINGTON TOWNSHIP FIRE DEPARTMENT
Community Risk Analysis and Standards of Cover

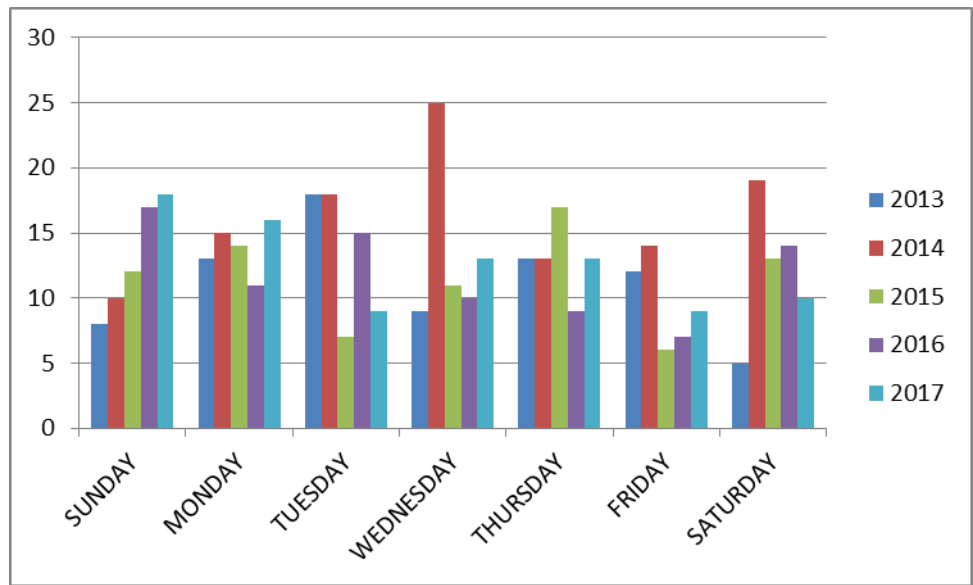
DISTRICT 400 Incidents by Day of Week and Shift						
	2013	2014	2015	2016	2017	Total
SUNDAY	8	10	12	17	18	65
0600-1800	7	5	6	13	12	43
1800-0600	1	5	6	4	6	22
Not Identified						0
MONDAY	13	15	14	11	16	69
0600-1800	8	13	7	8	10	46
1800-0600	5	2	7	3	6	23
Not Identified						0
TUESDAY	18	18	7	15	9	67
0600-1800	10	9	3	7	6	35
1800-0600	8	9	4	8	3	32
Not Identified						0
WEDNESDAY	9	25	11	10	13	68
0600-1800	5	19	6	8	5	43
1800-0600	4	6	5	2	8	25
Not Identified						0
THURSDAY	13	13	17	9	13	65
0600-1800	5	8	7	3	9	32
1800-0600	8	5	10	6	4	33
Not Identified						0
FRIDAY	12	14	6	7	9	48
0600-1800	6	6	5	2	4	23
1800-0600	6	8	1	5	5	25
Not Identified						0
SATURDAY	5	19	13	14	10	61
0600-1800	3	9	6	8	4	30
1800-0600	2	10	7	6	6	31
Not Identified						0

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

DISTRICT 400 Incidents by Day of Week

	2013	2014	2015	2016	2017	Total
SUNDAY	8	10	12	17	18	65
MONDAY	13	15	14	11	16	69
TUESDAY	18	18	7	15	9	67
WEDNESDAY	9	25	11	10	13	68
THURSDAY	13	13	17	9	13	65
FRIDAY	12	14	6	7	9	48
SATURDAY	5	19	13	14	10	61



ABINGTON TOWNSHIP FIRE DEPARTMENT Community Risk Analysis and Standards of Cover

DISTRICT 500 Incidents by Day of Week and Shift

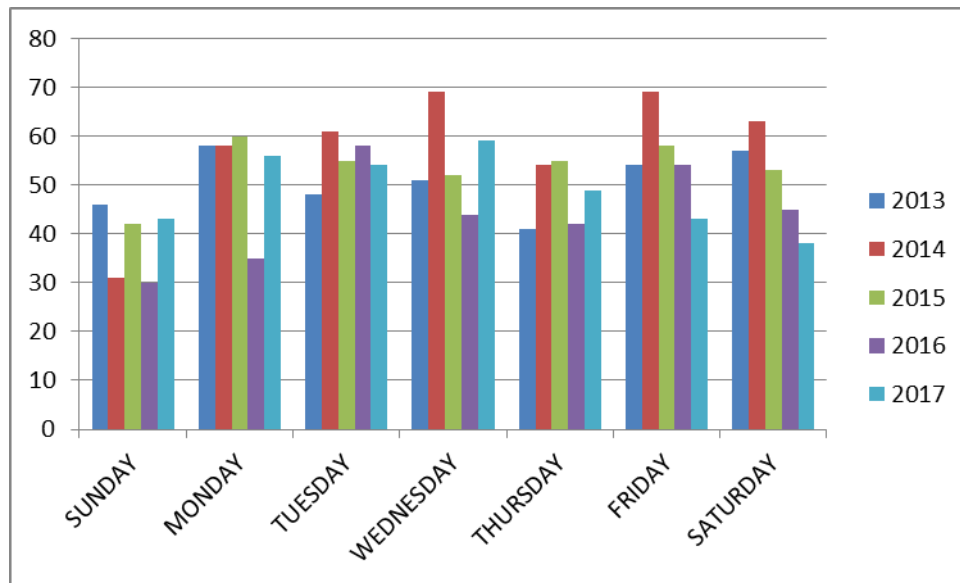
	2013	2014	2015	2016	2017	Total
SUNDAY	46	31	42	30	43	192
0600-1800	34	20	23	23	25	125
1800-0600	12	11	19	7	18	67
Not Identified						0
MONDAY	58	58	60	35	56	267
0600-1800	38	35	40	24	38	175
1800-0600	20	23	20	11	18	92
Not Identified						0
TUESDAY	48	61	55	58	54	276
0600-1800	29	45	36	38	41	189
1800-0600	19	16	19	20	13	87
Not Identified						0
WEDNESDAY	51	69	52	44	59	275
0600-1800	26	44	33	25	39	167
1800-0600	25	25	19	19	20	108
Not Identified						0
THURSDAY	41	54	55	42	49	241
0600-1800	28	32	39	27	31	157
1800-0600	13	22	16	15	18	84
Not Identified						0
FRIDAY	54	69	58	54	43	278
0600-1800	28	42	37	42	29	178
1800-0600	26	27	21	12	14	100
Not Identified						0
SATURDAY	57	63	53	45	38	256
0600-1800	34	41	37	30	24	166
1800-0600	23	22	16	15	14	90
Not Identified						0

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

DISTRICT 500 Incidents by Day of Week

	2013	2014	2015	2016	2017	Total
SUNDAY	46	31	42	30	43	192
MONDAY	58	58	60	35	56	267
TUESDAY	48	61	55	58	54	276
WEDNESDAY	51	69	52	44	59	275
THURSDAY	41	54	55	42	49	241
FRIDAY	54	69	58	54	43	278
SATURDAY	57	63	53	45	38	256

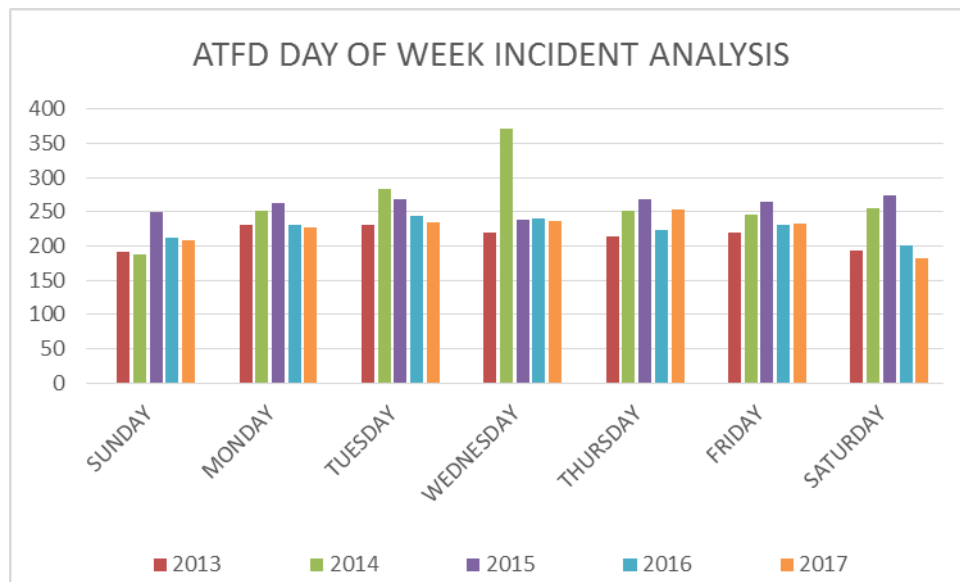


ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

ATFD Incidents by Day of Week

	2013	2014	2015	2016	2017	Total
SUNDAY	191	187	249	213	209	1049
MONDAY	231	251	262	231	227	1202
TUESDAY	230	283	268	244	235	1260
WEDNESDAY	220	371	239	241	237	1308
THURSDAY	214	252	268	224	253	1211
FRIDAY	219	246	264	230	233	1192
SATURDAY	193	256	274	200	182	1105



ABINGTON TOWNSHIP FIRE DEPARTMENT
Community Risk Analysis and Standards of Cover

DISTRICT 100 Incidents by Month							
		2013	2014	2015	2016	2017	Total
January		44	39	41	47	58	229
February		19	88	37	44	30	218
March		38	33	31	34	25	161
April		31	45	41	32	32	181
May		19	29	54	32	31	165
June		26	30	40	24	30	150
July		22	52	37	37	27	175
August		38	51	30	45	34	198
September		37	31	23	46	39	176
October		33	20	36	34	27	150
November		36	33	28	39	35	171
December		28	34	32	31	32	157

DISTRICT 200 Incidents by Month							
		2013	2014	2015	2016	2017	Total
January		21	40	47	58	45	211
February		23	84	75	43	38	263
March		33	31	51	31	40	186
April		17	37	51	39	38	182
May		32	41	47	44	45	209
June		31	34	41	40	55	201
July		48	54	48	46	39	235
August		28	26	52	43	49	198
September		38	30	52	24	32	176
October		30	30	50	39	44	193
November		33	43	50	33	25	184
December		42	47	42	42	55	228

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

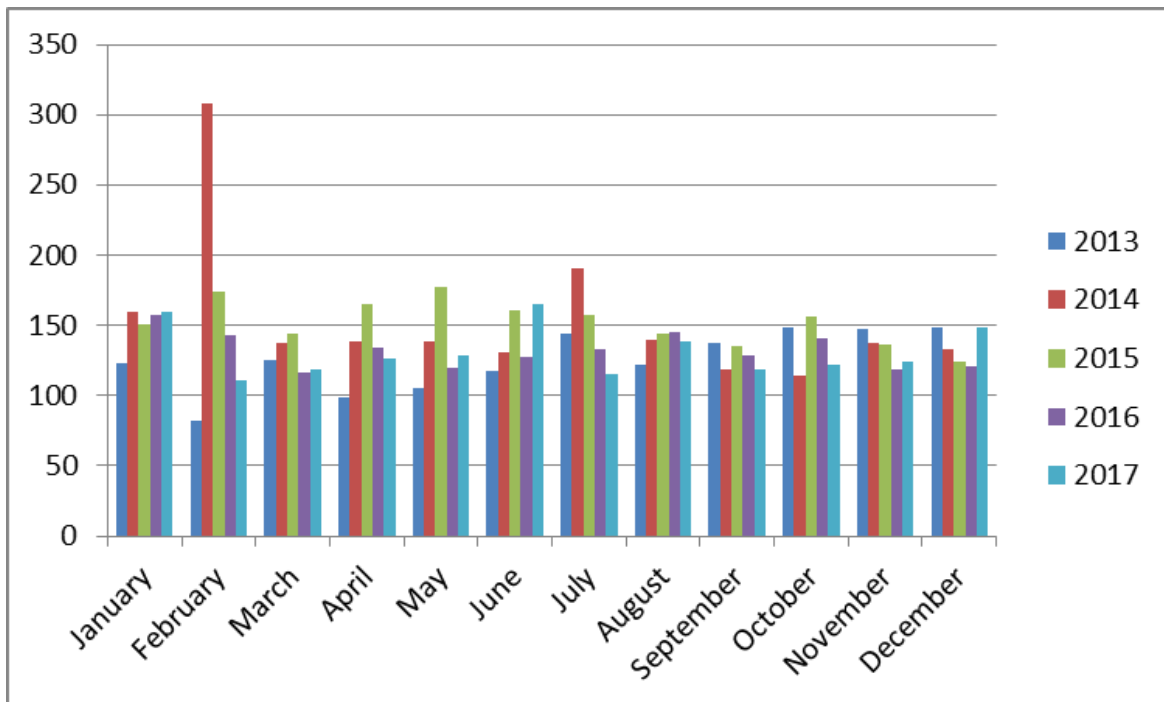
DISTRICT 300 Incidents by Month							
		2013	2014	2015	2016	2017	Total
January		14	19	15	12	11	71
February		13	37	13	21	11	95
March		9	18	17	8	14	66
April		8	10	24	13	13	68
May		13	19	18	17	11	78
June		15	27	23	20	13	98
July		21	23	15	13	14	86
August		15	14	13	14	13	69
September		17	20	15	14	9	75
October		24	17	19	13	17	90
November		29	13	16	16	14	88
December		19	11	10	13	18	71

DISTRICT 400 Incidents by Month							
		2013	2014	2015	2016	2017	Total
January		5	14	11	10	11	51
February		6	22	17	9	4	58
March		9	16	12	12	10	59
April		6	9	10	12	8	45
May		5	9	8	9	9	40
June		13	5	22	15	12	67
July		16	12	20	5	8	61
August		5	8	9	6	9	37
September		7	0	5	6	7	25
October		14	12	12	16	8	62
November		13	9	6	3	13	44
December		15	12	9	12	11	59

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

DISTRICT 500 Incidents by Month							
		2013	2014	2015	2016	2017	Total
January		34	44	35	30	35	178
February		16	74	32	26	25	173
March		36	36	33	27	28	160
April		34	36	39	38	35	182
May		35	36	49	16	32	168
June		25	26	34	27	52	164
July		34	42	37	29	27	169
August		36	35	39	37	33	180
September		38	34	39	36	32	179
October		47	30	36	37	26	176
November		36	39	36	27	36	174
December		44	27	29	23	32	155



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

DISTRICT 100 Bldg Fire by Day of Week and Shift

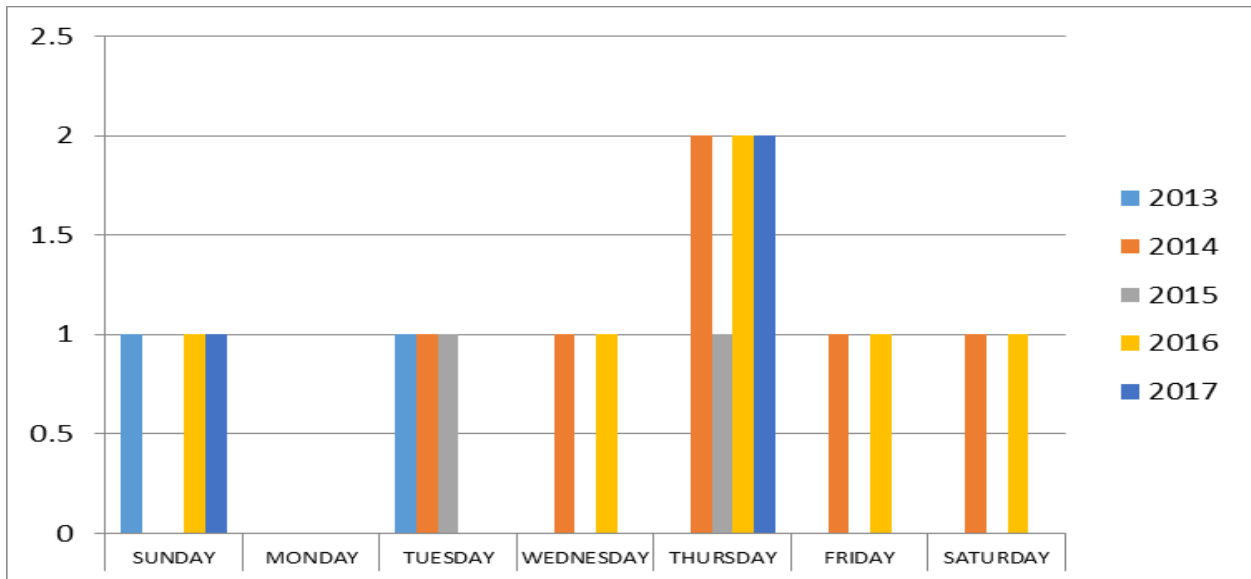
	2013	2014	2015	2016	2017	Total
SUNDAY	1	0	0	1	1	3
0600-1800	1	0	0	1	0	2
1800-0600	0	0	0	0	1	1
Not Identified	0	0	0	0	0	0
MONDAY	0	0	0	0	0	0
0600-1800	0	0	0	0	0	0
1800-0600	0	0	0	0	0	0
Not Identified	0	0	0	0	0	0
TUESDAY	1	1	1	0	0	3
0600-1800	1	0	1	0	0	2
1800-0600	0	1	0	0	0	1
Not Identified	0	0	0	0	0	0
WEDNESDAY	0	1	0	1	0	2
0600-1800	0	1	0	1	0	2
1800-0600	0	0	0	0	0	0
Not Identified	0	0	0	0	0	0
THURSDAY	0	2	1	2	2	7
0600-1800	0	1	1	0	1	3
1800-0600	0	1	0	2	1	4
Not Identified	0	0	0	0	0	0
FRIDAY	0	1	0	1	0	2
0600-1800	0	1	0	1	0	2
1800-0600	0	0	0	0	0	0
Not Identified	0	0	0	0	0	0
SATURDAY	0	1	0	1	0	2
0600-1800	0	1	0	0	0	1
1800-0600	0	0	0	1	0	1
Not Identified	0	0	0	0	0	0

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

DISTRICT 100 Bldg Fire by Day of Week

	2013	2014	2015	2016	2017	Total
SUNDAY	1	0	0	1	1	3
MONDAY	0	0	0	0	0	0
TUESDAY	1	1	1	0	0	3
WEDNESDAY	0	1	0	1	0	2
THURSDAY	0	2	1	2	2	7
FRIDAY	0	1	0	1	0	2
SATURDAY	0	1	0	1	0	2



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

DISTRICT 200 Bldg Fire by Day of Week and Shift

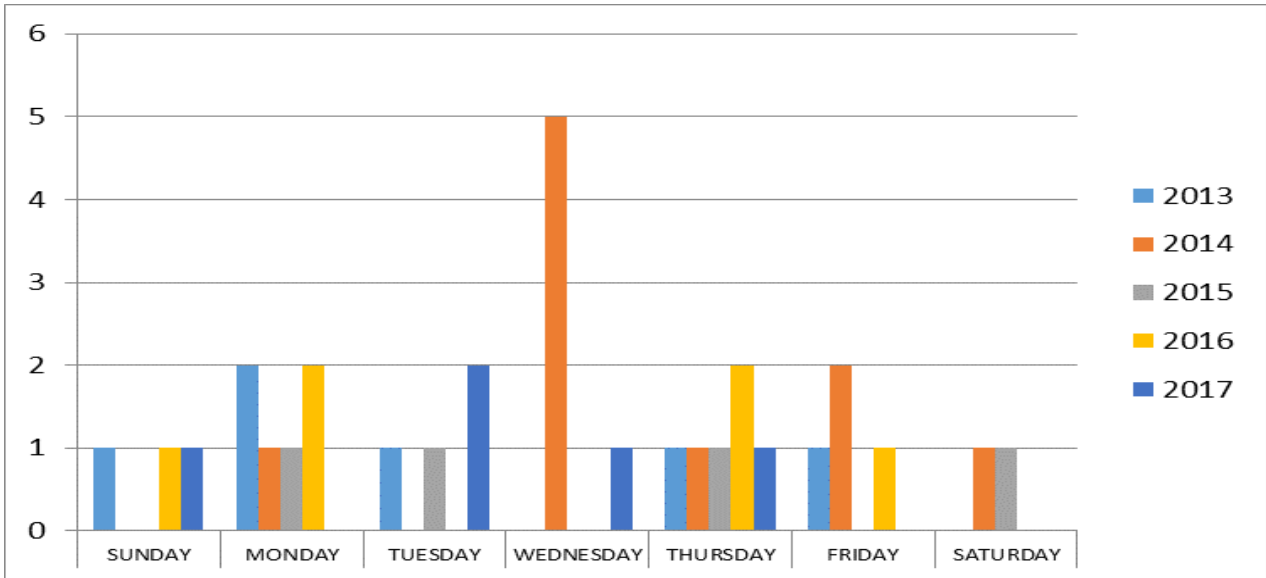
	2013	2014	2015	2016	2017	Total
SUNDAY	1	0	0	1	1	3
0600-1800	1	0	0	1	1	3
1800-0600	0	0	0	0	0	0
Not Identified	0	0	0	0	0	0
MONDAY	2	1	1	2	0	6
0600-1800	2	0	1	2	0	5
1800-0600	0	1	0	0	0	1
Not Identified	0	0	0	0	0	0
TUESDAY	1	0	1	0	2	4
0600-1800	1	0	0	0	1	2
1800-0600	0	0	1	0	1	2
Not Identified	0	0	0	0	0	0
WEDNESDAY	0	5	0	0	1	6
0600-1800	0	4	0	0	0	4
1800-0600	0	1	0	0	1	2
Not Identified	0	0	0	0	0	0
THURSDAY	1	1	1	2	1	6
0600-1800	0	1	0	0	1	2
1800-0600	1	0	1	2	0	4
Not Identified	0	0	0	0	0	0
FRIDAY	1	2	0	1	0	4
0600-1800	1	1	0	1	0	3
1800-0600	0	1	0	0	0	1
Not Identified	0	0	0	0	0	0
SATURDAY	0	1	1	0	0	2
0600-1800	0	0	0	0	0	0
1800-0600	0	1	1	0	0	2
Not Identified	0	0	0	0	0	0

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

DISTRICT 200 Bldg Fire by Day of Week

	2013	2014	2015	2016	2017	Total
SUNDAY	1	0	0	1	1	3
MONDAY	2	1	1	2	0	6
TUESDAY	1	0	1	0	2	4
WEDNESDAY	0	5	0	0	1	6
THURSDAY	1	1	1	2	1	6
FRIDAY	1	2	0	1	0	4
SATURDAY	0	1	1	0	0	2



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

DISTRICT 300 Bldg Fire by Day of Week and Shift

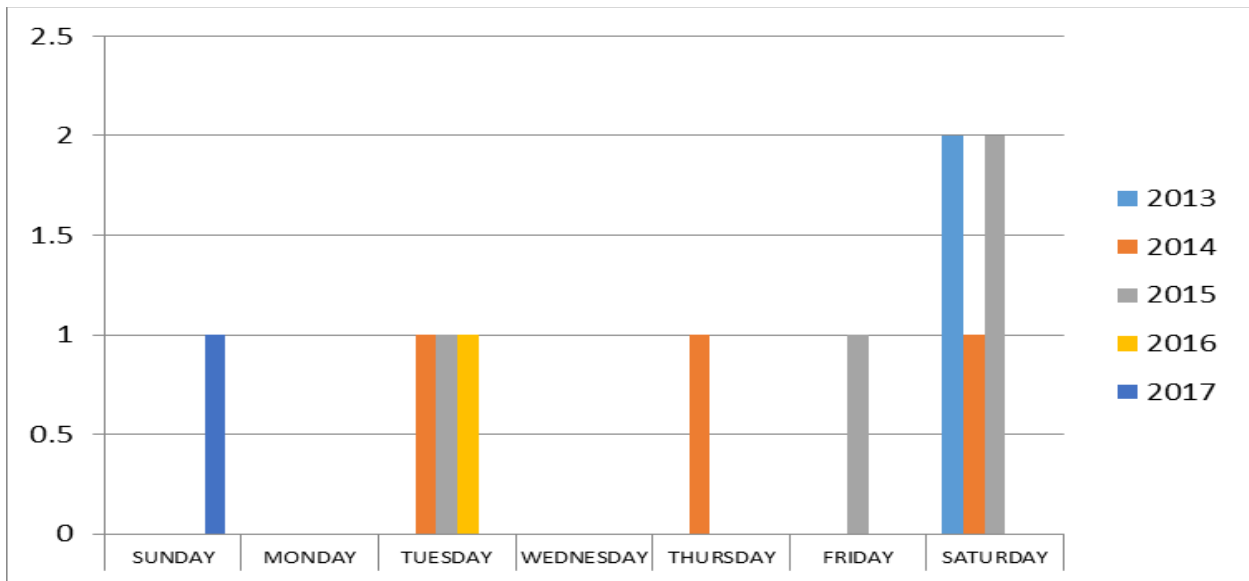
	2013	2014	2015	2016	2017	Total
SUNDAY	0	0	0	0	1	1
0600-1800	0	0	0	0	1	1
1800-0600	0	0	0	0	0	0
Not Identified	0	0	0	0	0	0
MONDAY	0	0	0	0	0	0
0600-1800	0	0	0	0	0	0
1800-0600	0	0	0	0	0	0
Not Identified	0	0	0	0	0	0
TUESDAY	0	1	1	1	0	3
0600-1800	0	1	1	0	0	2
1800-0600	0	0	0	1	0	1
Not Identified	0	0	0	0	0	0
WEDNESDAY	0	0	0	0	0	0
0600-1800	0	0	0	0	0	0
1800-0600	0	0	0	0	0	0
Not Identified	0	0	0	0	0	0
THURSDAY	0	1	0	0	0	1
0600-1800	0	1	0	0	0	1
1800-0600	0	0	0	0	0	0
Not Identified	0	0	0	0	0	0
FRIDAY	0	0	1	0	0	1
0600-1800	0	0	1	0	0	1
1800-0600	0	0	0	0	0	0
Not Identified	0	0	0	0	0	0
SATURDAY	2	1	2	0	0	5
0600-1800	0	1	1	0	0	2
1800-0600	2	0	1	0	0	3
Not Identified	0	0	0	0	0	0

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

DISTRICT 300 Bldg Fire by Day of Week

	2013	2014	2015	2016	2017	Total
SUNDAY	0	0	0	0	1	1
MONDAY	0	0	0	0	0	0
TUESDAY	0	1	1	1	0	3
WEDNESDAY	0	0	0	0	0	0
THURSDAY	0	1	0	0	0	1
FRIDAY	0	0	1	0	0	1
SATURDAY	2	1	2	0	0	5



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

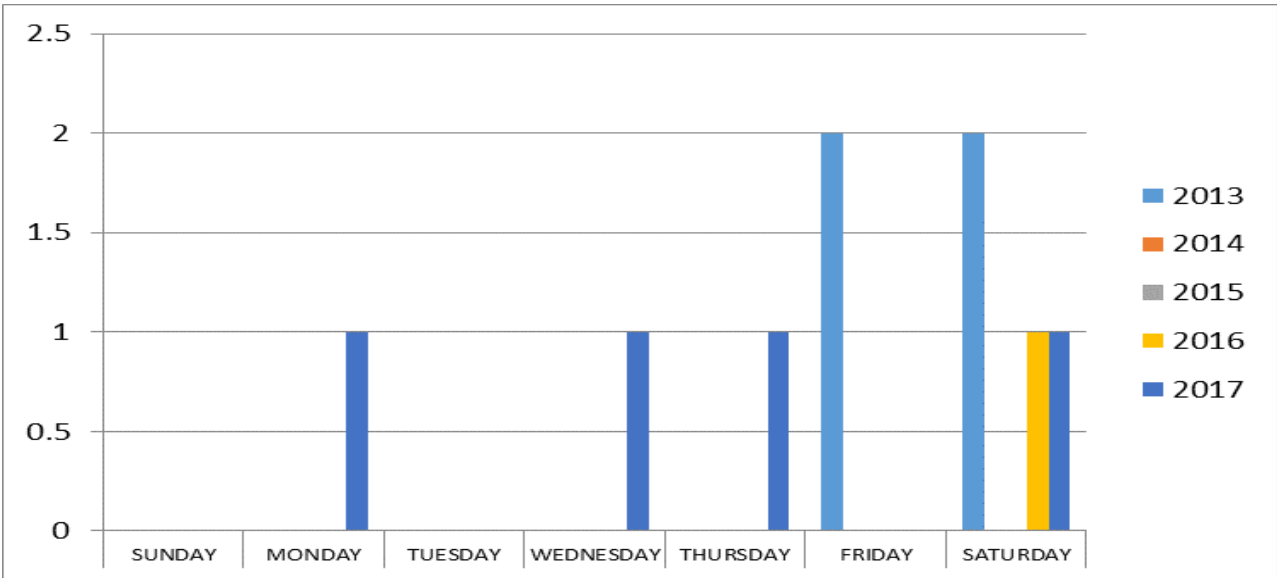
DISTRICT 400 Bldg Fire by Day of Week and Shift

	2013	2014	2015	2016	2017	Total
SUNDAY	0	0	0	0	0	0
0600-1800	0	0	0	0	0	0
1800-0600	0	0	0	0	0	0
Not Identified	0	0	0	0	0	0
MONDAY	0	0	0	0	1	1
0600-1800	0	0	0	0	1	1
1800-0600	0	0	0	0	0	0
Not Identified	0	0	0	0	0	0
TUESDAY	0	0	0	0	0	0
0600-1800	0	0	0	0	0	0
1800-0600	0	0	0	0	0	0
Not Identified	0	0	0	0	0	0
WEDNESDAY	0	0	0	0	1	1
0600-1800	0	0	0	0	1	1
1800-0600	0	0	0	0	0	0
Not Identified	0	0	0	0	0	0
THURSDAY	0	0	0	0	1	1
0600-1800	0	0	0	0	0	0
1800-0600	0	0	0	0	1	1
Not Identified	0	0	0	0	0	0
FRIDAY	2	0	0	0	0	2
0600-1800	1	0	0	0	0	1
1800-0600	1	0	0	0	0	1
Not Identified	0	0	0	0	0	0
SATURDAY	2	0	0	1	1	4
0600-1800	2	0	0	1	1	4
1800-0600	0	0	0	0	0	0
Not Identified	0	0	0	0	0	0

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

DISTRICT 400 Bldg Fire by Day of Week						
	2013	2014	2015	2016	2017	Total
SUNDAY	0	0	0	0	0	0
MONDAY	0	0	0	0	1	1
TUESDAY	0	0	0	0	0	0
WEDNESDAY	0	0	0	0	1	1
THURSDAY	0	0	0	0	1	1
FRIDAY	2	0	0	0	0	2
SATURDAY	2	0	0	1	1	4



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

DISTRICT 500 Bldg Fire by Day of Week and Shift

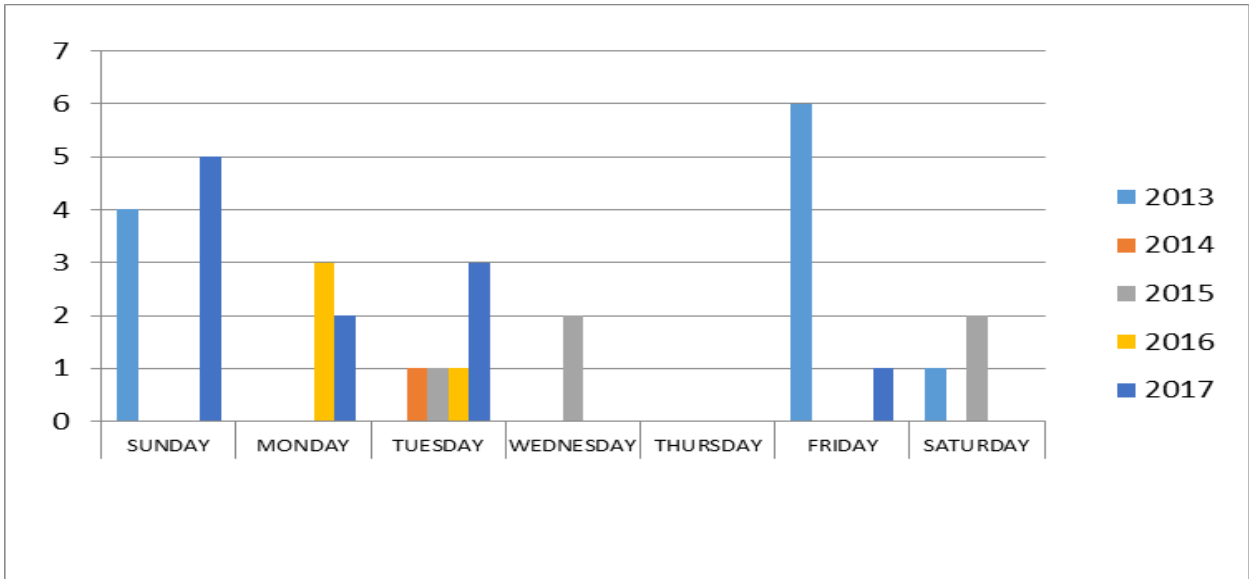
	2013	2014	2015	2016	2017	Total
SUNDAY	4	0	0	0	5	9
0600-1800	4	0	0	0	3	7
1800-0600	0	0	0	0	2	2
Not Identified	0	0	0	0	0	0
MONDAY	0	0	0	3	2	5
0600-1800	0	0	0	1	1	2
1800-0600	0	0	0	2	1	3
Not Identified	0	0	0	0	0	0
TUESDAY	0	1	1	1	3	6
0600-1800	0	0	1	1	2	4
1800-0600	0	1	0	0	1	2
Not Identified	0	0	0	0	0	0
WEDNESDAY	0	0	2	0	0	2
0600-1800	0	0	1	0	0	1
1800-0600	0	0	1	0	0	1
Not Identified	0	0	0	0	0	0
THURSDAY	0	0	0	0	0	0
0600-1800	0	0	0	0	0	0
1800-0600	0	0	0	0	0	0
Not Identified	0	0	0	0	0	0
FRIDAY	6	0	0	0	1	7
0600-1800	1	0	0	0	1	2
1800-0600	5	0	0	0	0	5
Not Identified	0	0	0	0	0	0
SATURDAY	1	0	2	0	0	3
0600-1800	1	0	1	0	0	2
1800-0600	0	0	1	0	0	1
Not Identified	0	0	0	0	0	0

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

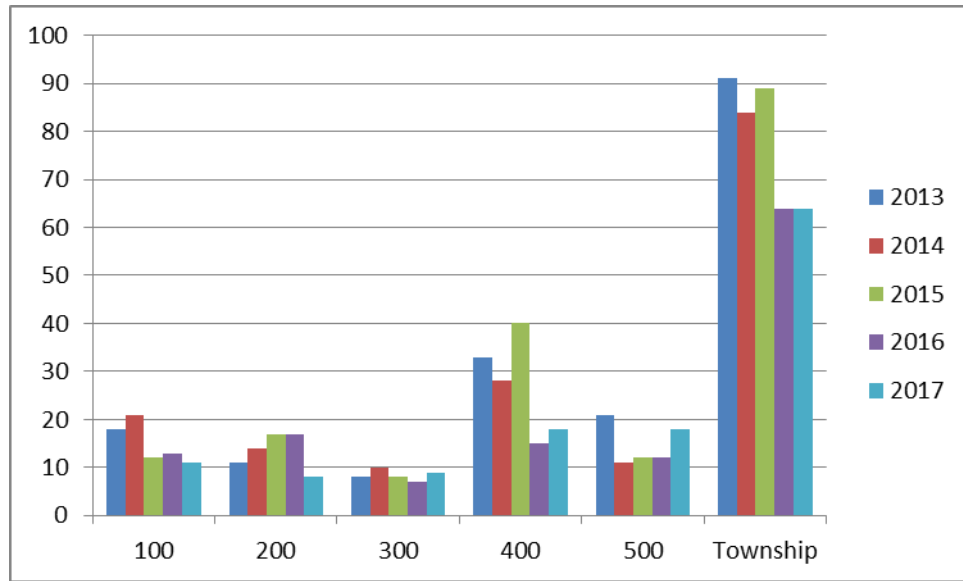
DISTRICT 500 Bldg Fire by Day of Week

	2013	2014	2015	2016	2017	Total
SUNDAY	4	0	0	0	5	9
MONDAY	0	0	0	3	2	5
TUESDAY	0	1	1	1	3	6
WEDNESDAY	0	0	2	0	0	2
THURSDAY	0	0	0	0	0	0
FRIDAY	6	0	0	0	1	7
SATURDAY	1	0	2	0	0	3



ABINGTON TOWNSHIP FIRE DEPARTMENT Community Risk Analysis and Standards of Cover

Building Fires by District by Year						
	2013	2014	2015	2016	2017	TOTAL
100	18	21	12	13	11	75
200	11	14	17	17	8	67
300	8	10	8	7	9	42
400	33	28	40	15	18	134
500	21	11	12	12	18	74
Township	91	84	89	64	64	392



ABINGTON TOWNSHIP FIRE DEPARTMENT
Community Risk Analysis and Standards of Cover

DISTRICT 100 BLDG FIRES by Month						
	2013	2014	2015	2016	2017	Total
January	3	0	2	2	3	10
February	1	2	2	1	2	8
March	1	1	0	0	1	3
April	3	1	2	1	1	8
May	1	3	3	4	0	11
June	0	1	0	0	2	3
July	2	3	1	0	1	7
August	0	2	0	0	0	2
September	1	2	0	0	0	3
October	4	2	0	1	0	7
November	1	3	1	1	1	7
December	1	1	1	3	0	6

DISTRICT 200 BLDG FIRES by Month						
	2013	2014	2015	2016	2017	Total
January	1	2	1	3	0	7
February	1	4	0	1	1	7
March	0	0	1	1	0	2
April	0	0	1	3	0	4
May	1	1	3	1	1	7
June	1	0	1	0	0	2
July	2	0	2	0	0	4
August	1	1	0	2	0	4
September	0	4	3	1	1	9
October	3	1	1	3	1	9
November	1	1	3	2	0	7
December	0	0	1	0	0	1

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DISTRICT 300 BLDG FIRES by Month						
	2013	2014	2015	2016	2017	Total
January	2	2	0	0	1	5
February	0	1	1	2	1	5
March	0	2	1	0	1	4
April	1	0	1	0	1	3
May	0	2	1	0	0	3
June	1	1	0	2	1	5
July	3	0	0	0	0	3
August	0	0	1	0	2	3
September	0	1	1	0	2	4
October	0	0	1	2	0	3
November	1	1	1	0	0	3
December	0	0	0	1	0	1

DISTRICT 400 BLDG FIRES by Month						
	2013	2014	2015	2016	2017	Total
January	0	4	6	0	4	14
February	1	4	6	1	0	12
March	2	4	2	0	2	10
April	0	1	2	3	1	7
May	0	2	2	1	2	7
June	2	0	7	1	0	10
July	7	4	5	1	2	19
August	0	2	4	0	0	6
September	2	0	0	2	1	5
October	6	2	5	3	2	18
November	7	4	1	1	2	15
December	6	1	0	2	2	11

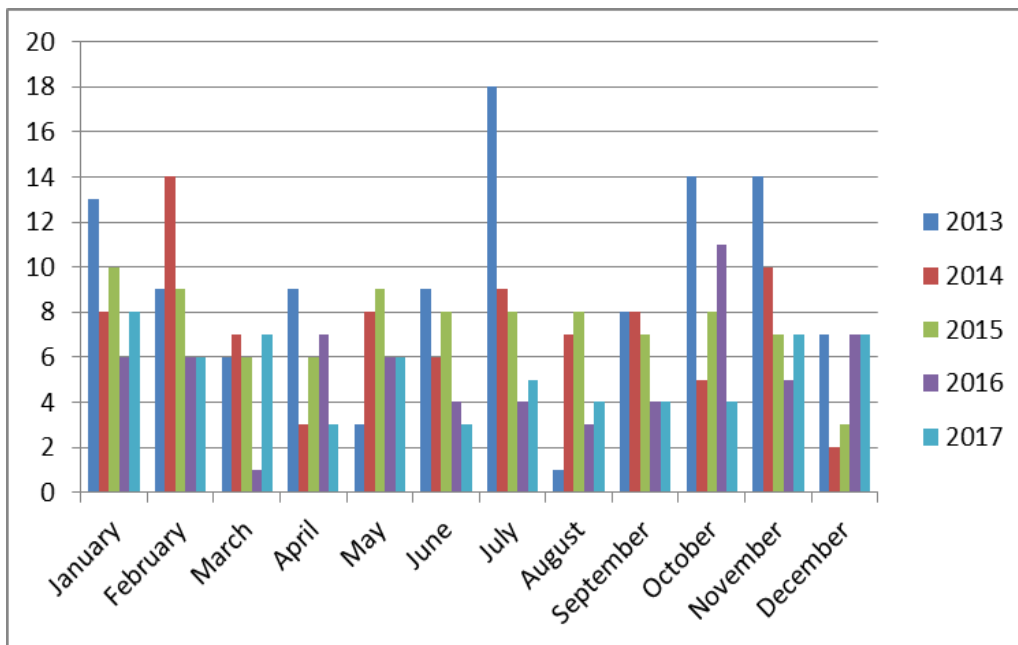
ABINGTON TOWNSHIP FIRE DEPARTMENT
Community Risk Analysis and Standards of Cover

DISTRICT 500 BLDG FIRES by Month						
	2013	2014	2015	2016	2017	Total
January	4	0	1	1	0	6
February	1	3	0	1	2	7
March	3	0	2	0	3	8
April	2	1	0	0	0	3
May	0	0	0	0	3	3
June	0	2	0	1	0	3
July	1	2	0	3	2	8
August	0	1	3	1	2	7
September	5	1	3	1	0	10
October	1	0	1	2	1	5
November	4	1	1	1	4	11
December	0	0	1	1	1	3

ABINGTON TOWNSHIP FIRE DEPARTMENT

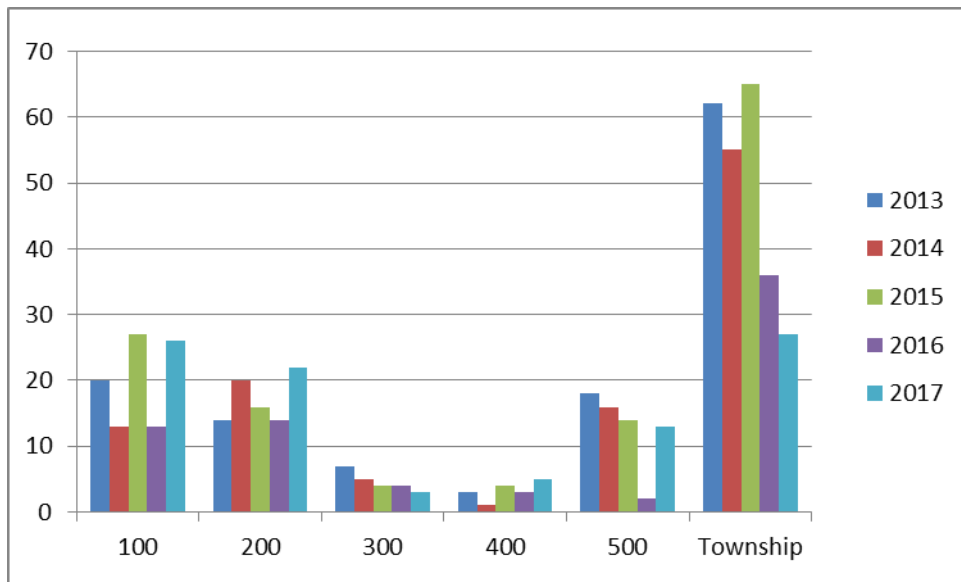
Community Risk Analysis and Standards of Cover

Township Wide BLDG FIRES by Month						
	2013	2014	2015	2016	2017	Total
January	13	8	10	6	8	45
February	9	14	9	6	6	44
March	6	7	6	1	7	27
April	9	3	6	7	3	28
May	3	8	9	6	6	32
June	9	6	8	4	3	30
July	18	9	8	4	5	44
August	1	7	8	3	4	23
September	8	8	7	4	4	31
October	14	5	8	11	4	42
November	14	10	7	5	7	43
December	7	2	3	7	7	26



ABINGTON TOWNSHIP FIRE DEPARTMENT Community Risk Analysis and Standards of Cover

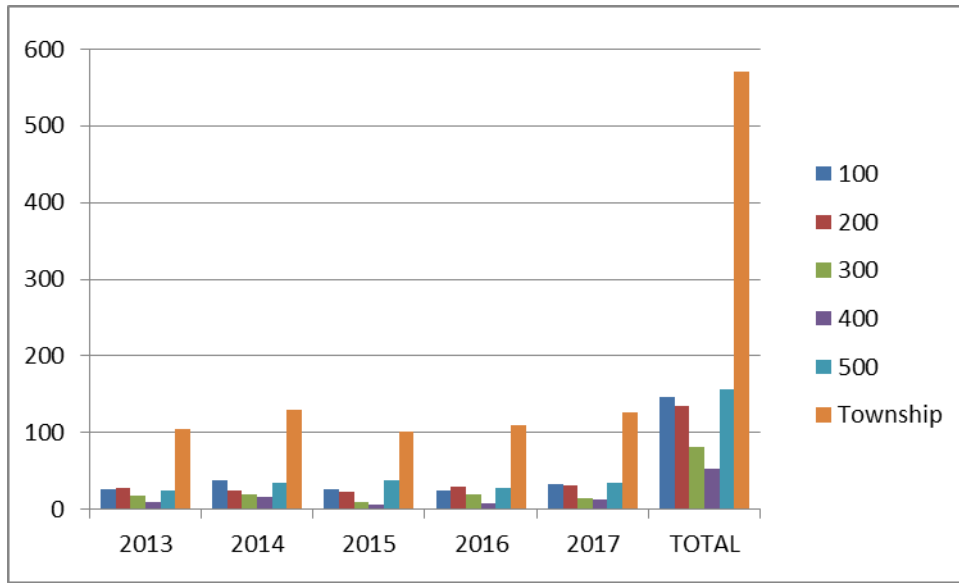
Rescue/EMS Incidents by District by Year						
	2013	2014	2015	2016	2017	TOTAL
100	20	13	27	13	26	99
200	14	20	16	14	22	86
300	7	5	4	4	3	23
400	3	1	4	3	5	16
500	18	16	14	2	13	63
Township	62	55	65	36	27	245



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Low Risk Hazardous Materials Incidents by District by Year						
	2013	2014	2015	2016	2017	TOTAL
100	26	37	26	25	33	147
200	27	24	23	29	31	134
300	17	19	10	20	15	81
400	9	16	6	8	13	52
500	25	34	37	27	34	157
Township	104	130	102	109	126	571



ABINGTON TOWNSHIP FIRE DEPARTMENT
Community Risk Analysis and Standards of Cover

B. A.T.F.D. Risk Assessment Planning Zones A1 – J6

ABINGTON TOWNSHIP FIRE DEPARTMENT



COMMUNITY RISK ASSESSMENT
Planning Zones A1 through J6

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Community Baselines

The goal of the Community Risk Assessment is to evaluate the whole community to allow the elected officials the ability to make a calculated decision on the level of service they want from their fire department. The first area examined in this assessment is the community itself. Section one will look at the history, demographics, geography and government infrastructure in Abington Township, Pennsylvania and the impacts of these systems on the fire department.

Section 1.1 - Community Overview:

Abington Township is a Pennsylvania 1st Class Township of about 55,000 residents located in southeastern Montgomery County. Abington Township is approximately 13 miles from Center City Philadelphia. Cheltenham Township is Abington's southern neighbor. Abington's eastern border is the City of Philadelphia. To the north are Upper and Lower Moreland Townships and Abington's west border is with Upper Dublin Township. Abington Township also surrounds the Borough of Jenkintown in the central area.

Abington Township is comprised of a number of communities, Abington, Ardsley, Baederwood, Crestmont, Edge Hill, Elkins Park, Jenkintown, Glenside, Meadowbrook, McKinley, North Hills, Roslyn, Rydal, and Willow Grove.

Abington Township is the twelfth largest community/government in the Commonwealth of Pennsylvania.

When William Penn came to Pennsylvania in the early 1680's, the region was populated with only a few hardy settlers along the Delaware River. With Penn's arrival, the process of granting land and settling the area began in the earnest, an activity primarily fueled by English and Welsh settlers. By 1684, the lower portion of Abington Township was in private hands and by the end of the decade, all of the land in Abington Township had been granted.

In 1687, the Abington Monthly Meeting was organized.

Old York Road was the first of three major north – south arteries in the township (the other two being Easton Road and Huntingdon Pike). Old York Road was a toll road in 1804, Huntingdon Pike in 1846, Easton Road in 1852.

While improved roads allowed for greater stage traffic, it was the coming of the train that opened vast acres of farm land for residential development. Long before it was commonplace for everyone to live in the suburbs and take vacations, most non-farming people lived in the city.

Philadelphia was the largest city in the country until 1820 and only the very wealthiest of its citizenry were able to escape to the country. With the advent of the train, people were able to travel to the city during the day and sleep at home in the country at night. The first train through the area came in 1855, connecting Philadelphia and Gwynedd through Jenkintown and Glenside. In 1876, the Bound Brook Line (now SEPTA's West Trenton Line) became a branch line from Jenkintown. In 1794, Abington Township was incorporated; it had little government other than for collecting taxes. Jenkintown in 1874

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and Rockledge in 1893 petitioned the State Legislature for separate status and each became independent Boroughs separating from Abington Township.

In 1895, the electric trolley came to Willow Grove traveling through Abington and Cheltenham Townships. At this time the Willow Grove Park Amusement Park was born, now the site of the Willow Grove Park Mall.

The 18th Century transformed a forested wilderness into an agrarian landscape and the 19th century transformed the land with the infrastructure of a diverse society, the 20th century completed the transformation to suburbia. The greatest change, however, occurred after World War II. The desire for and the fundamental feasibility of, suburban living erased the agrarian vestiges of earlier times. Farm after farm was developed in the 1950's and the distances and the distinctions that separated one village from the next all by disappeared.

Abington Township consists primarily of tree lined residential streets predominately single family and twin dwellings. There are several commercial areas including one large shopping mall and two large hospitals. AbingtonTownshipParks and Recreation Department maintains 4 large parks 13 small parks, two pools and 400 acres of open space.

There is one large industry in Abington Township and several smaller light industrial areas.

Abington Township received it's 1st Class Township Status from the Pennsylvania State Legislature in 1906. Abington Township is a Commissioner – Ward form of government comprised of 15 elected commissioners who appoint a township manager who manages the day to day operations of the township.

Volunteer fire companies began their long history of service to the community in 1889 when the Abington fire company was chartered, followed by Weldon Fire Company chartered in 1904, McKinley Fire Company in 1906, Edge Hill Fire Company in 1908, and Roslyn Fire Company in 1922. In 1953 by means of a township ordinance the five volunteer fire companies were formed into the Abington Township Fire Department. The A.T.F.D. falls under the supervision of the Abington Township Public Safety Committee. This committee is comprised of 4 of the 15 elected Commissioners. The Public Safety Committee meets quarterly with the A.T.F.D. at "Fire Board" Meetings. These meetings are scheduled and appear on the township issued calendar and the public is welcome to attend.

In order to provide the citizens of Abington Township with a defined scope of service that is expected from their fire services provider, a true and honest response standard must be understood and maintained. A cooperative understanding between elected officials, the community and the fire service must be fostered to first develop and then maintain this standard.

For more than a century our volunteer fire forces have faithfully served the community. Often times these functions are maintained without the help of a mutual understanding of the expected levels of service. With this information our community can make decisions to buy or not buy an expensive piece of equipment based on the service the equipment will provide rather than on emotion.

It remains the ongoing responsibility of the fire service within Abington Township to work with community decision makers to establish an appropriate level of service the

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community can accept. This practice of continuously evaluating the ongoing risk provides for the maintenance of the agreed upon standard of response.

The elements considered in the overall assessment of services must include an agreed upon standard of measurement. The measurement standard helps to identify the probability and consequences of the community's own risks.

From this basic risk assessment, a Standards of Response Coverage can be developed which brings together those aspects of the fire services, which in turn brings the services to the community. This document will follow this basic plan. It will serve to identify those areas of Abington Township, which by their risk levels, demand a particular level of service.

Variables for providing the appropriate level of service include the proper amount of adequately trained and equipped personnel and the location of emergency response units. In the case of a fire emergency, this deployment of resources will be measured in the time it takes to develop an appropriate fire flow to control the fire before it has reached maximum intensity. Creating this overall level of service consists of the decisions made regarding the distribution and concentration of resources in relation to the potential demand placed upon them by the level of risk in the community.

It is with these factors in mind that we maintain a comprehensive risk assessment program for the community. We are confident that the fire services deliver the levels of service determined through this process. To maintain these levels, it will require a complete understanding between the communities elected officials, township manager, department supervisors and the firefighters themselves. The residents have said through this process that this is the service they expect and demand.

The Abington Township Fire Department is a multi-faceted fire and rescue emergency response agency which provides for the aforementioned safety needs of its citizenry. The service is customer based and continuously evaluated and redefined as the needs of the community may change.

As mentioned earlier, Abington Township has had organized fire protection dating back to 1889. The Fire Services within the township pre-dates the Abington Township Police Department and pre-dates Abington as a 1st Class Township. Early fire protection consisted of horse drawn carts followed by gasoline powered pumpers and chemical units. The fire stations were typically located centered within the small community it served. The earliest method of alerting members was a small sledge hammer applied to steam locomotive tire. In the 1930's, fire house sirens were installed. The sirens were activated via phone lines from the Abington Police Station.

A large number of Abington Township Firefighters left to serve during World War II. During this period, many female members of the community stepped in to fill the void left by those men who chose to serve in the armed forces. When these members returned they brought back with them an appreciation of the training and organizational skills they witnessed while serving their country.

By the mid 1950's, they along with the cooperation of elected officials revised an existing ordinance re-defining the A.T.F.D. They also, again with the assistance of elected officials,

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Community Risk Analysis and Standards of Cover

were granted land near the Abington Township Public Works Yard and constructed a five story Fire Training Facility, one of the first fire training facilities in Montgomery County.

There have been many notable fires fought by the Abington Township Fire Department. In early 1900's there were numerous lumber and coal companies either in the township and surrounding municipalities. The A.T.F.D. has participated in numerous significant church, restaurant, and amusement park ride fires.

The five Abington Fire Companies by ordinance comprise the A.T.F.D. Each company; however, is separately chartered having its own set of bylaws and operate independent of one another. By virtue of their by-laws they elect their officers consisting of president, vice president, secretary, treasurer, chief, deputy chief, assistant chief, captain, lieutenants. The fire companies establish the criteria for these positions. The fire companies receive annual funding from the township government by virtue of a fire tax.

In 2003 the leadership of the A.T.F.D. realized the need to improve the fire service being provided to the citizens of Abington Township. Additionally, the A.T.F.D. leadership wished to improve the relationship it had with the elected officials and township administration. A number of steps were taken and continued:

- Chief's Meetings were formalized with an agenda and minutes.
- Over 65 Operational Guidelines were established
- Common township approved fire department application for membership
- Funding for local training
- Community driven Strategic Plan for 2018 – 2022

Within Abington Township Government the Fire Department's approximately 218 active members form the largest group of employees within the township. Only Abington Memorial Hospital and the school district have more employees. The firefighters are un-paid employees; the township provides worker's compensation benefits and supports an annual Length of Service Award to qualifying members.

A significant strength of our department is that almost all of our members reside within the township. They live, in many cases work, they shop, dine, worship, go to the doctor, dentist and hospital all within the township, the area they protect. Our members in addition to being highly trained firefighters are business owners, teachers, lawyers, police officers, building contractors, heavy equipment operators, truck drivers, public works employees, heating and air conditioner specialist's and the list goes on. We believe that these skills possessed by our members greatly strengthen our ability to serve our residents and business owners.

The insurance industry, through the Insurance Services Office (ISO), rates fire departments based on fire protection and other services, which determines the cost of insurance premiums based on a "Class Scale" of Class 1 to Class 10 (class 1 being the best). The ISO usually inspects every 10 years.

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From the 1950's until 2005, the Abington Township Fire Department was rated a Class 5. In 2005, after an ISO inspection, the A.T.F.D.'s rating improved to a Class 4. Effective January 1, 2017, after another inspection, the A.T.F.D.'s rating again improved, to a Class 3.

There were several reasons for the improved rating including better record keeping of hose, pump, ladder testing and fire training. Additionally since the mid 1990's AQUA of PA, (Philadelphia Suburban Water Company) the domestic water supplier for both drinking water and fire protection embarked on a yearly program to up-grade their infrastructure of water delivery. Every summer a section of the township usually one of Abington's oldest communities went through a water main restoration. This water main restoration improved the Abington Township Fire Department's ability to supply sufficient fire flows on the fire ground.

The A.T.F.D. provides twenty four hour emergency service 365 days a year with an all-volunteer fire fighting force. The most common service provided is fire and rescue services; however, routinely the A.T.F.D. provides additional services including EMS Assist, environmental conservation, emergency management, assist police, traffic control (fire police), public education, fire prevention, fire inspections, code enforcement and risk reduction activities. Fire services are provided to specific jurisdictional areas from five (5) fire stations. Additionally, the A.T.F.D. enjoys an outstanding relationship with all the surrounding communities and fire service providers. We have mutual aid written agreements with all surrounding communities except the City of Philadelphia. The Abington Township Fire Department both gives and provides automatic mutual aid via the Montgomery County Emergency Dispatch Center.

All of Abington Townships' growth has been internal. Our geographical service area has remained the same for 100 years. The service the A.T.F.D. has provided has changed drastically from the days of horse drawn hose carts with more technical responsibilities being placed upon the fire service. The A.T.F.D. stands ready to serve and protect the citizens from all perils.

Today the A.T.F.D. is comprised of five all volunteer fire companies consisting of state certified fire fighters, the fire marshal's office consists of two full time NAFI certified fire marshal's, inspections and prevention experts. Additionally, four part-time certified fire inspectors/fire prevention technicians.

There is a formal organizational chart where the Fire Marshal and the Fire Department Fire Services Administrator serve as Department Directors and both report directly to the Abington Township Manager. Within each fire company there are common staff management each consisting of one (1) chief, one (1) deputy chief, one (1) assistant chief, one (1) captain, and (2) lieutenants.

The Fire Marshal and Fire Services Administrator oversee the funding provided to the A.T.F.D. The individual five fire companies oversee the funding provided directly from the municipality to the individual fire companies.

The fire marshal's office is responsible for all the management and review of all commercial and construction plans, fire cause and origin investigations, fire inspections, and public fire education functions of the department. The fire marshal and staff maintain certification in fire investigation, commercial building and fire inspection and building

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codes. They maintain these certifications and remain up to date on current events and changes through membership in various national and international organizations.

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Section 1.2 – Governance Model

The Township of Abington is governed by a Commissioner- Ward form of government. The Abington Township Commissioners are elected to a four year term. There are 15 commissioners, with alternating terms of service.

The following individuals represent the current elected officials of Abington Township:

Wayne C. Luker, President	Ward 5
Steven Kline, Vice President	Ward 1
Ken Brodsky	Ward 2
Drew Rothman	Ward 3
Jimmy DiPlacido	Ward 4
Mike Thompson	Ward 6
Benjamin V. Sanchez	Ward 7
Peggy Myers	Ward 8
Dennis C. Zappone	Ward 9
Thomas Hecker	Ward 10
John L. Spiegelman	Ward 11
Matt Vahey	Ward 12
Carol E. Gillespie	Ward 13
Lori A. Schreiber	Ward 14
Thomas Bowman	Ward 15

The elected commissioners appoint the township manager. The manager has responsibility of the day to day operations of the township.

The following commissioners comprise the Abington Township Public Safety Committee:

Lori Schreiber, Director
Jimmy DiPlacido, Asst. Director
Drew Rothman
Mike Thompson
Matt Vahey

Section 1.3 Current Level of Service

The Abington Township Fire Department provides the community with fire, rescue and first responder hazardous materials response. Within Abington Township all EMS is provided by an outside or third party contractor, the Second Alarmers of Willow Grove PA. The A.T.F.D does however maintain a close working relationship with S.A.R.S. Several A.T.F.D. firefighters are members of Montgomery Counties State Certified Hazardous Materials Response Team. The A.T.F.D. is also part of the Montgomery County Fire Task Force. The A.T.F.D. staff officers actively participate with Abington Township Emergency Management and Planning Group.

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Existing Fire Companies

Station 100 Abington Fire Company, 1920 Horace Avenue, Abington, Pa. 19001

- (1) – 2000 Pierce 2,000 gpm squirt
- (1) – 2011 Pierce 1,500 gpm squad
- (1) – 2003 Pierce 105' Aerial Ladder @ 250 gpm pump
- (1) – 2014 Pierce Mini Pumper 750 gpm pump
- (1) – Command Vehicle

Station 200 McKinley Fire Company, 893 Jenkintown Road, Elkins Park, Pa. 19027

- (1) – 2006 Seagraves 1,500 gpm Engine
- (1) – 2017 Seagraves 1,500 gpm Squad
- (1) – 2008 Seagrave 100' Aerial Ladder
- (1) – Utility vehicle

Station 300 Weldon Fire Company, 412 N. Easton Road, Glenside, Pa.19038

- (1) – 2010 Pierce 2000 gpm engine
- (1) – 1996 Spartan-Saulsbury 2000 gpm squad
- (1) – 2016 Rescue1 heavy rescue
- (1) – 1993 GMC-Saulsbury air/light unit

Station 400 Edge Hill Fire Company, 2843 Limekiln Pike, Glenside, Pa.19038

- (1) – 2006 Pierce 1,500 gpm engine
- (1) – 1995 Pierce 1,500 gpm pipeline
- (1) – 2000 Pierce 105' Aerial Ladder

Station 500 Roslyn Fire Company, 1128 Bradfield Road, Roslyn, Pa.19001

- (1) – 2005 Pierce 1,500 gpm engine
- (1) – 2015 Pierce 1,750 gpm squad
- (1) – 2001 Pierce 95' @ 1,750 gpm tower ladder
- (1) – 1997 Ford Utility vehicle
- (1) – Command Vehicle

A.T.F.D. Headquarters 1176 Old York Road, Abington, Pa.19001

- (2) – SUV Fire Marshal vehicles
- (1) – 2009 Ford – Special Service (Investigation/Prevention)
- (1) – 20ft Collapse/Technical Rescue Trailer
- (1) – 16ft inflatable Zodiac boats
- (1) – Gator
- (1) – 28' Fire Prevention & Safety Trailer

Four of the five fire companies within the A.T.F.D. have been serving the community for over one hundred years. Therefore fire companies were located somewhat centered within the community's as it was one hundred years ago. Any movement of stations occurred about seventy five or so years ago and resulted in a move of about a block or so. Since then the communities expanded, large farms and other tracts of land were developed resulting

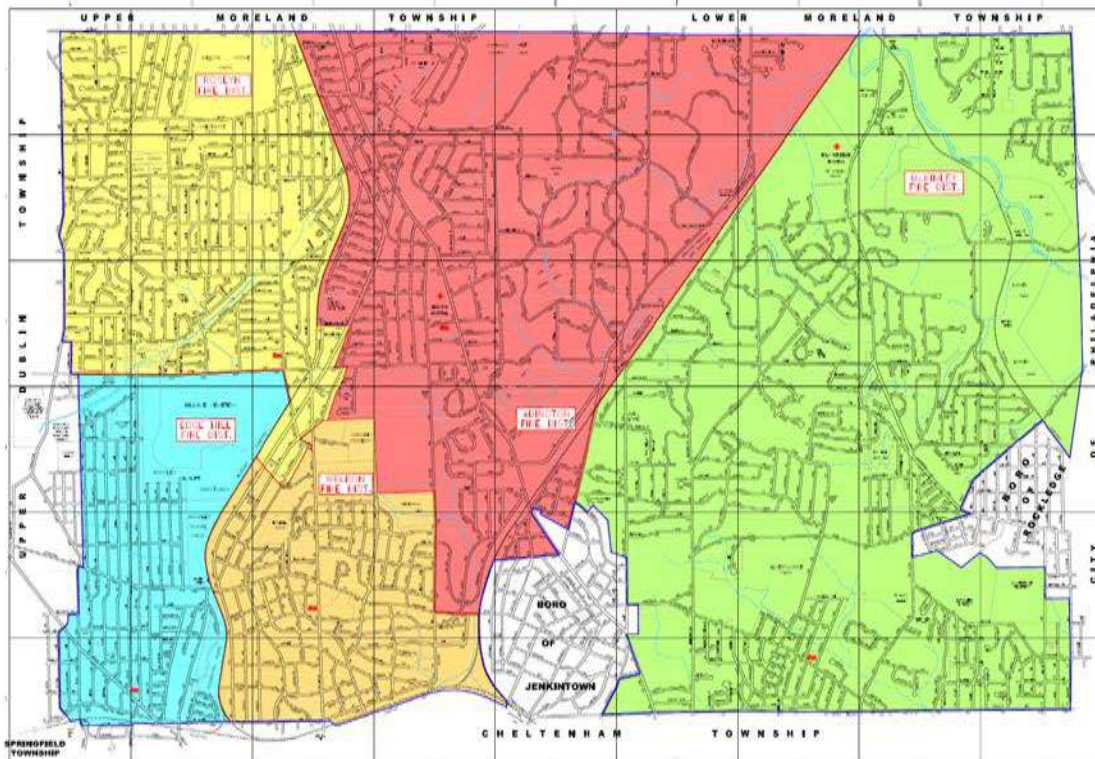
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in our township now being about 98 % developed. Using ISO guidelines the A.T.F.D. calculated any area where an Abington Township engine was located further than one and one half miles from the fire station. In those cases the A.T.F.D. response has for years been supplemented by using automatic mutual aid. Resources from our neighboring communities are dispatched at the same time as A.T.F.D. units. In these cases the assisting mutual aid engine response is within the ISO guideline of one and one half miles. Additionally the A.T.F.D. provides automatic mutual to our neighboring fire departments and companies. The A.T.F.D. trains with its mutual aid companies on a frequent basis. The A.T.F.D. spearheads a unique day time training program with our mutual aid fire companies. On a monthly basis A.T.F.D. firefighters who work at night and unable to make regularly scheduled night training sessions participate in four hour training sessions during the daytime with at least eight mutual aid fire companies.

Each fire company has elected officers consisting of a Chief, Deputy Chief, Assistant Chief, Captain and Lieutenants. Each fire company is individually chartered with the Commonwealth of Pennsylvania and is brought into the A.T.F.D. by virtue of the township ordinance #175 creating the fire department. Within the A.T.F.D. there are approximately 218 active members. Each firefighter is issued a pager, assigned an "Active 911" cell phone alert, and responds to a station upon dispatch.

Map showing township & fire stations/districts.



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Section 1.4 Mission, Value and Vision Statements

MISSION STATEMENT

The Abington Township Fire Department is a dedicated team of volunteer firefighters comprised of five individual fire companies unified as one department with a mission to provide excellent fire, rescue, fire prevention and public education services to ensure the health, safety and welfare of the community.

(Developed by members during the A.T.F.D.'s strategic planning process)

VALUES

TEAMWORK – We value teamwork and will provide professional services by five individual fire companies working together as a unified department.

COMPETENCE – We value competence and will demonstrate to our community that adequate resources are available and utilized effectively.

RESPECT – We value respect to our fellow firefighters and the community by compassionately caring for their needs.

EXCELLENCE – We value commitment to excellence that demonstrates itself through consistent professionalism, pride, and a positive attitude.

SAFETY and HEALTH – We value the safety and health of our firefighters and will provide policies, programs, and protective equipment to ensure their welfare.

VISION STATEMENT

The Abington Township Fire Department will continue to be recognized by our residents, local businesses, schools, and regional fire agencies as professional, well trained, community-centered volunteer companies, unified as one fire department which places a high premium on excellent service.

Our organizational culture will reflect a compassionate, respectful team atmosphere that is nurtured by open communication processes which guide the decisions of our people. Our mission will be accomplished by a physically fit volunteer work force that is well proficient in a multitude of specialized skills and empowered with a high level of involvement in our success. We will strive to maintain a consistent and fresh recruitment program for the replenishment of our ranks by providing quality marketing, educational, and informational programs about our department and our members.

We will honor our community's trust by providing the most effective, efficient, and fiscally-responsible service possible to all communities and population groups in our township. By improving as necessary our fleet of modern apparatus, equipment and facilities, fire prevention programs and services, our township community will receive quality service with our intent to meet or exceed our customers' expectations. We believe in actively interacting with our community and will expand our community information and education initiatives so that our priorities, philosophy, and operations are clearly understood.

By continually improving our internal and external relationships, we will explore all opportunities for quality fire and rescue service delivery while expending time and energy toward developing the best strategies for continued improvement. We will be driven to meet best practices ensuring that Abington Township is served by a fire department that is a responsible, dedicated, quality volunteer organization.

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PLANNING ZONE A-1

Community Profile

This area in the NW corner of the township can best be described as predominately single family dwellings constructed in the 1950's - 1960's. The dwellings in this zone average about 14,000 square feet. Within this planning zone is a newer strip mall retail outlet protected with automatic sprinklers and alarms. Also within this zone are the Twin Brooks Townhouses. There are 72 townhouses unprotected. There are approximately 415 structures and approximately 1,106 residents within this planning zone. The water system in this area is adequate to meet the required fire flows.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Roslyn Fire Company is the first due station assigned this area located within 1.5 to 2 miles.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 2 to 3 miles from this planning zone. Second due truck companies are supported by the Edge Hill Fire Company and mutual aid with Willow Grove Fire Company. Additional engines are supported by Edge Hill and Abington Fire Companies as well as mutual aid through Willow Grove. Horsham Fire Companies provides secondary heavy rescue services through mutual aid.

Hazardous materials response are through the Roslyn Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 2 to 2.5 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

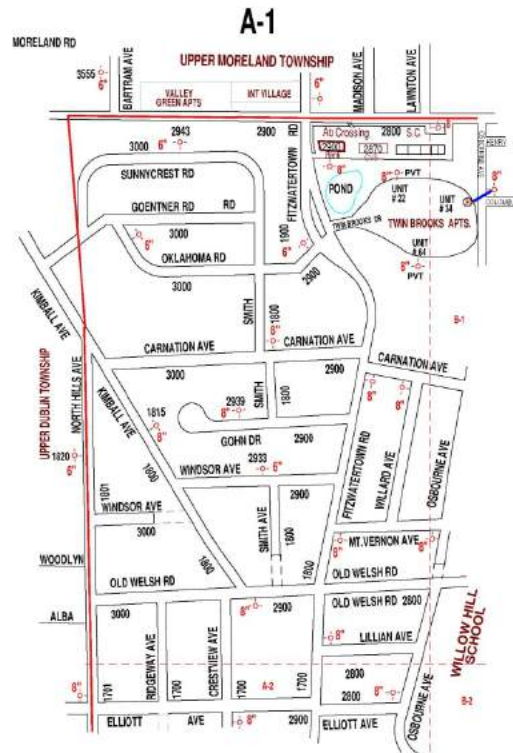
This planning zone is comprised of several major arterials running E-W Moreland Road and N-S Fitzwatertown Road. Pedestrian traffic in this area is light with the vast majority of residential streets.

Community Risk Assessment Ratings

A risk assessment was completed on the properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Medium Risk

North West Human Services 2912 Gohn Drive



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Lynch Community Home
Twin Brooks Condominiums

1749 North Hills Avenue
1901 Fitzwatertown Road

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Low Risk (pre-planned)

Abington Crossing Shopping Center 2840-2900 Moreland Road

Identified Special Risks

Pond at Twin Brooks – no more than 6’ deep – water rescue potential.

Fire Flow Concerns

There are no fire flow concerns for this planning zone.

PLANNING ZONE A-2

Community Profile

This area is located in the North West section of the township and best described as a totally residential area with both single family and twin dwellings of about 1200 to 17000 square feet. There are approximately 611 dwellings with approximately 1,751 residents. The water system is adequate to meet the fire flow requirements for this planning zone.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Roslyn Fire Company is the first due station assigned this area located within 1 to 1.5 miles.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 2 to 2.5 miles from this planning zone. Second due truck companies are supported by the Edge Hill Fire Company and mutual aid with Fort Washington and Willow Grove Fire Companies. Additional engines are supported by Edge Hill and Abington Fire Companies as well as mutual aid through Willow Grove. Horsham Fire Companies provides secondary heavy rescue services through mutual aid.

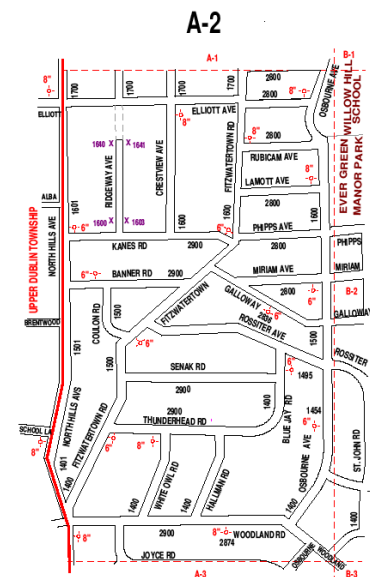
Hazardous materials response are through the Roslyn Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1.5 to 2 miles. The Abington Township Fire Marshal’s Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major N-S arterial for this zone is Fitzwatertown Road. The major E-W arterial is Woodland Road. Pedestrian traffic in this zone is light.

Community Risk Assessment Ratings

A risk assessment was completed on the properties in this planning zone as part of the community risk assessment using Vision Software.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Identified Medium Risk

Lynch Community Home

1628 Ridgeway Avenue

Identified Special Risks

There are no special risks.

This planning zone experienced three fire fatalities, 12/18/07 at 1519 North Hills Avenue w/f, 88 years. On 5/15/07 at 1465 Osbourne Avenue a w/m 82 years. And on 5/20/00 at 2911 Kaness Avenue w/f, 32 years.

Fire Flow Concerns

The water system within this planning zone is adequate to meet the needed fire flows.

PLANNING ZONE A-3

Community Profile

This planning zone located in the west central section of the township and is best described as totally residential consisting of mostly single family and some twin dwellings. Construction within this zone was in the 1950-1960's. The dwellings average 1,200 to 1,700 square feet. There are approximately 538 dwellings and approximately 1,408 residents. The water system in this zone is adequate to meet the fire flow requirements for their planning zone.

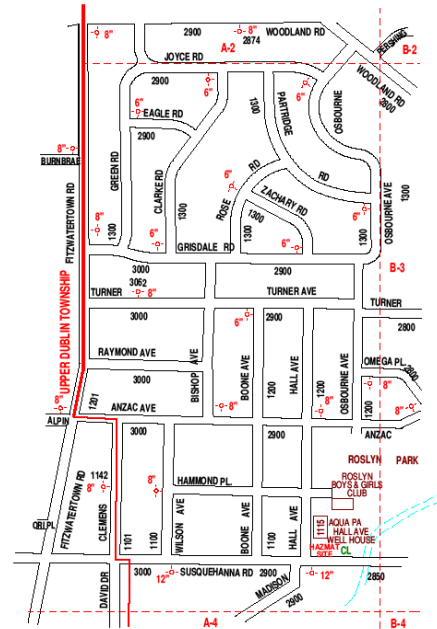
Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Roslyn Fire Company is the first due station assigned this area located within .5 to 1 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 1.5 to 2 miles from this planning zone. Second due truck companies are supported by the Edge Hill Fire Company and Abington Company. Additional engines are supported by Edge Hill and Abington Fire Companies as well as mutual aid through Fort Washington. Horsham Fire Companies provides secondary heavy rescue services through mutual aid.

Hazardous materials response are through the Roslyn Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1.5 to 2 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

A-3



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Transportation Issues

The major N-S arterial for this zone is Fitzwatertown Road. The major E-W arterial is Susquehanna Road. Pedestrian traffic in this zone is light.

Community Risk Assessment Ratings

A risk assessment was completed on the properties within this planning zone as part of the community risk assessment using Vision Software. No medium or high risk properties were identified.

Identified Special Risks

Flooding – this zone contains parts of the Sandy Run Creek Watershed identified on the 100-year floodplain, there is a history of serious flooding (1996) in the planning zone. Several homes sustained heavy damage.

Aqua Well House – 1115 Hall Avenue - chlorine

Fire Flow Concerns

There is adequate water supply for this planning zone to meet the needed fire flows.

PLANNING ZONE A-4

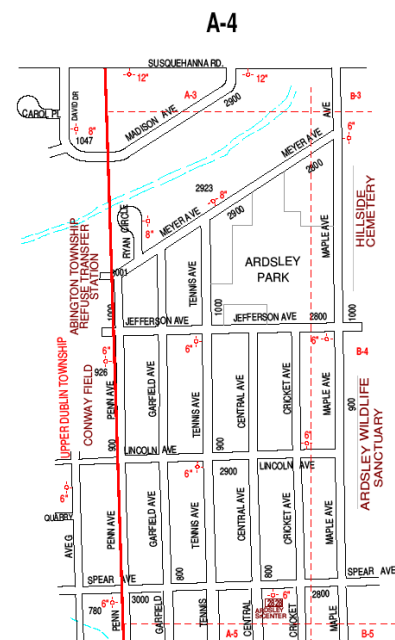
Community Profile

This planning zone is located in the west central section of the township and best described as almost totally residential consisting of mostly single family and twin dwellings constructed the 1950-1960's. They average in size between 1,000 to 1,700 square feet. There are approximately 394 dwellings and approximately 1,803 residents in this zone. Also within this zone is an Abington Township Park with a playground and athletic fields. There are several unprotected light industrial structures along Meyer Avenue. The Sandy Run Creek runs through the northern section of this zone. Water supply for this planning zone is adequate for the fire flow demand for this zone.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Edge Hill Fire Company is the first due station assigned this area located within 1.5 to 2 miles.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. The Company maintains a Zodiac Inflatable boat as well as approximately 20 trained personnel for water rescue in the flood prone areas of this zone. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 1 to 1.5 miles from this planning zone. Second due truck companies are supported by the Roslyn Fire Company and Abington Fire Companies. Additional engines are



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE A-5

Community Profile

This area is located in the south west section of the township and best described as almost totally residential single family and twin dwellings of approximately 1,000 to 1,800 square feet. Construction within this zone spans both pre WWII and the 1950-1960's. There are approximately 483 dwellings and about 1,127 residents within this zone. Within this zone is the old Ardsley School now used by Abington Township Parks and Recreation Department and contains a small athletic field. Water supply for this planning zone is adequate for the fire flow demand for this zone.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Edge Hill Fire Company is the first due station assigned this area located within 1 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. The Company maintains a Zodiac Inflatable boat as well as approximately 20 trained personnel for water rescue in the flood prone areas of this zone. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 1 to 1.25 miles from this planning zone. Second due truck companies are supported by the Roslyn and Abington Fire Companies with Glenside Fire Company on mutual aid. Additional engines are supported by Weldon and Roslyn Fire Companies.

Hazardous materials response are through the Edge Hill Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1.75 to 2.25 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

There is one major E-W Roadway – Jenkintown Road. The remainders of roadways are all residential and pedestrian traffic is light throughout this zone.

Community Risk Assessment Ratings

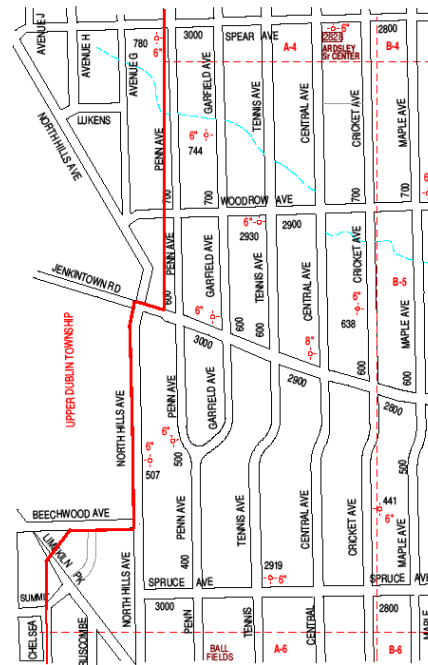
A risk assessment was completed on the properties within this planning zone as part of the community risk assessment using Vision Software. No medium or high risk properties were identified.

Identified Special Risks

Flooding – 700 blocks of Penn Avenue and Cricket Avenue

This planning zone experienced a fire related fatality 7/27/2017 at 635 Garfield Avenue w/m, 68 years.

A-5



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Fire Flow Concerns

The water supply in this planning zone is adequate to meet the needed fire flow.

PLANNING ZONE A-6

Community Profile

This area is located in the south west section of the township and best described as a mixed residential both single family and twin dwellings constructed predominately prior to WWII of about 1,000 to 1,800 square feet. Within this zone are some commercial both retail and light industrial. Also within this zone is the Septa R-Railroad line consisting of predominately electric commuter passenger trains and an occasional CSX-NS Freight Train. There are approximately 448 structures and about 921 residents within this planning zone. The water supply for this zone is adequate for the fire flow requirements for this zone.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Edge Hill Fire Company is the first due station assigned this area located within 1 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. The Company maintains a Zodiac Inflatable boat as well as approximately 20 trained personnel for water rescue in the flood prone areas of this zone. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 1 to 1.25 miles from this planning zone. Second due truck companies are supported by the Glenside, Roslyn and Abington Fire Companies. Additional engines are supported by Weldon and Abington Fire Companies with mutual aid from the Oreland and Glenside Fire Companies.

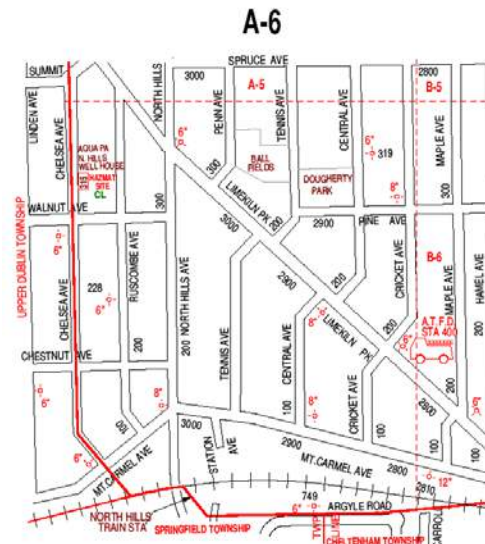
Hazardous materials response are through the Edge Hill Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1.5 to 2 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major N-S roadway within this zone is North Hills Avenue. The major E-W roadways are Mt. Carmel Avenue and Limekiln Pike. Also, as previously mentioned the Septa Railroad runs through the southern section of this zone. Pedestrian traffic is light in the residential access of this zone and more significant within the commercial area of this zone.

Community Risk Assessment Ratings

A risk assessment was completed on the properties within this planning zone as part of the community risk assessment using Vision Software.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Identified Medium Risks

All Weld Steel	3041 Chestnut Avenue
Belcher Roofing	211 Maple Avenue
Station Avenue Apartments	77 North Hills Avenue
Station Avenue Apartments	88 Station Avenue
Mastroni Roofing (bow/truss roof)	2780 Limekiln Pike

Identified Special Risk

Street flooding in the area of Mt Carmel Avenue and North Hills Avenue.
 Township Waste Water pumping station on North Hills Avenue near Mt. Carmel.
 Aqua of PA Well House - 315 Chelsea Avenue - chlorine

Fire Flow Concerns

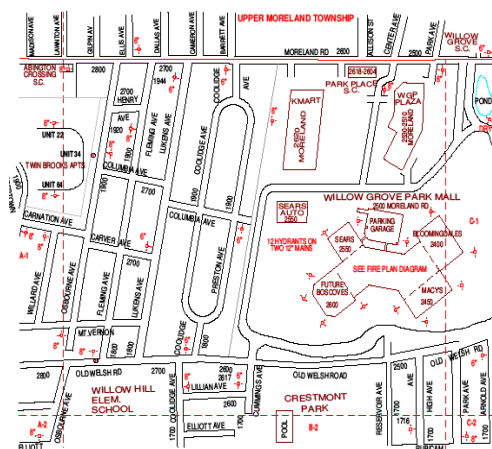
The water supply within this zone is adequate to meet the needed fire flow requirements.

PLANNING ZONE B-1

Community Profile

This area is located in the North West section of the township bordering Upper Moreland Township and best described as a mixed residential and commercial. Within this zone is approximately 435 dwellings mostly single family with some twins the majority of which were constructed during the 1950-1960's. They range in size from about 1,000 to 1,700 square feet. Also, within this zone is some light industrial, a large three story enclosed shopping mall (Willow Grove Park Mall), a large strip mall adjacent to the shopping mall, and a closed K-Mart. The Willow Grove Park Mall and the adjacent strip mall are fully sprinklered. Also within this zone is the Willow Hill Elementary School which is fully sprinklered.

B-1



Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Roslyn Fire Company is the first due station assigned this area located within 1.5 to 2 miles.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 2 to 2.5 miles from this planning zone. Second due truck companies are supported by the Abington Fire Company and mutual aid Willow Grove Fire Company. Additional engines are supported by Weldon and Abington Fire Companies with mutual aid from the Willow Grove Fire Company. Additional Truck and Engines companies are provided through mutual and automatic aid to the Willow Grove Park Mall from Edge Hill, Horsham and Fort Washington Fire Companies.

Hazardous materials response are through the Roslyn Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1.5 to 2 miles. The Abington Township

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

This area is comprised mostly of residential streets. The major roadways E-W include Moreland Road (Route 63) and Old Welsh Road. Pedestrian traffic is low in the residential areas and high in the commercial areas.

Community Risk Assessment Ratings

A risk assessment was completed on the commercial properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Special Risk Buildings

Willow Grove Park Mall	2500 Moreland Road
Willow Hill Elementary School	1700 Coolidge Ave

Willow Grove Park mall, the mall is fully protected with fire sprinkler system and fire alarms. During the Christmas season there is heavy pedestrian traffic within the mall and very heavy traffic in the vicinity of the mall and parking lots. The individual stores tend overload their stock rooms with merchandise, the fire marshal's office typically assigns frequent inspections during this period. Police are requested to pay special attention to parking violations which could possibly inhibit fire department access. (See pre-plan)

Identified Medium Risk

Ken-Crest Group Home	2632 Old Welsh Road
Growth Horizon Home	2666 Moreland Road

Low Risk (pre planned)

AAA Auto	2506 Moreland Road
Old Navy	2512 Moreland Road
Dick's Sporting Goods	2510 Moreland Road
Park Place Shopping Center	2604-2618 Moreland Road
PETCO	2522 Moreland Road

Identified Special Risks

Flooding near the Mall pond - retention basin and street flooding on Moreland Road near Easton Road and Old Welsh Road near Park Avenue during heavy rains - tropical storms etc have historically resulted in numerous calls of water rescues within this planning zone.

Fire Flow Concerns

The water supply within this zone is adequate to meet the needed fire flow.

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE B-2

Community Profile

This area is located in the North West section of the township best described as almost totally comprised of single family and twin dwellings of 1,000 to 1,800 square feet. There is a mixture of dwellings constructed pre WWII and in the 1950-1960's. Within this zone is one of Abington Township Recreation Department's pools and a large park. Additionally, in this zone is the former Hamilton Avenue School, now the "Center School", a private school. This school has a monitored fire alarm. There are about 1,096 dwellings and about 3,287 residents within this zone. The water system in this zone is adequate to meet the require fire flows.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Roslyn Fire Company is the first due station assigned this area located within 1 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 2 to 2.25 miles from this planning zone. Second due truck companies are supported by the Abington and Willow Grove Fire Companies. Additional engines are supported by Weldon and Abington Fire Companies with mutual aid from the Willow Grove Fire Company.

Hazardous materials response are through the Roslyn Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1.5 to 2 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

This area is comprised of all residential streets. Pedestrian traffic is low.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using vision Software.

Identified Medium Risk

Lynch Community Home	1411 Thompson Road
The Center School	2450 Hamilton Avenue

Identified Special Risks

None

Fire Flow Concerns

There are no identified fire flow problems in this planning zone.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE B-3

Community Profile

This area is in the north central section of the township and best described as predominately residential with a Catholic Church, School, Convent and Rectory and one new public school, Roslyn Elementary School. There are about 856 single family and twin dwellings ranging from about 1,000 to 1,700 square feet. The dwellings were constructed both pre WWII and in 1950-1960's. St. John of the Cross Church and School both have a monitored fire alarm, the Roslyn Elementary School is fully protected by a sprinkler system. Also within this zone is Roslyn Park, a large Abington Township Parks and Recreation facility with illuminated athletic fields, soccer field, a new skate board park and a playground. The Sandy Run creek runs E-W through this zone.



Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Roslyn Fire Company is the first due station assigned this area located within 1 to 1.5 miles.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 1 to 1.25 miles from this planning zone. Second due truck companies are supported by the Abington and Edge Hill Fire Companies. Additional engines are supported by Weldon, Edge Hill and Abington Fire Companies with mutual aid from the Fort Washington Fire Companies.

Hazardous materials response are through the Roslyn Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1 to 1.25 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major roadways within this zone are Susquehanna Road and Woodland Road both E-W roadways. Pedestrian traffic in most of this zone is light except during certain times around the schools, church and park.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Identified Medium Risk

St. John of the Cross Church	2801 Woodland Road
Comar Community Home	2824 Omega Place
Lynch Community Home	2756 Fernwood Avenue
Lynch Community Home	1271 Nolan Road
St. John's Elementary School	2801 Woodland Road
Roslyn Elementary School	2565 Susquehanna Road
Brookside Healthcare Nursing Home	2630 Woodland Road

Identified Special Risks

Flooding – several times over the past 30 years within this planning zone especially the creek around Roslyn Park has flooded. In 1996, more than 100 homes in this zone reported flood damage. This area seems to attract young adults who during severe storms either purposely or accidentally enter the Sandy Run Creek which storm water is running high and fast resulting in numerous calls for water rescue.

This planning zone experienced a double fatal fire related death, 7/24/99, at 2444 Woodland Road, two young b/m's 5 years and 4 years old.

Fire Flow Concerns

The water supply within this zone is adequate to meet the needed fire flow.

PLANNING ZONE B-4

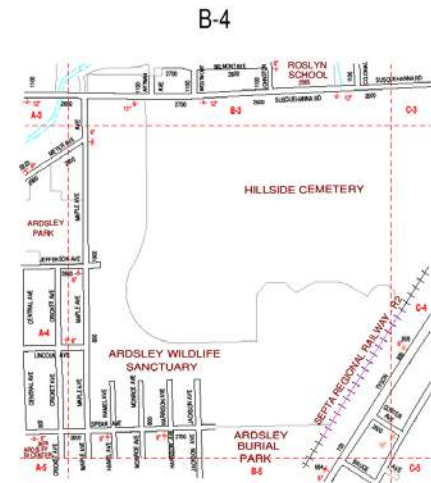
Community Profile

This area is located in the south central section of the township and best described as a large cemetery and adjacent wooded section of dedicated Abington Township Open Space. These are about 211 mostly single family dwellings of 1,000 to 1,700 square feet constructed in the 1950-1960's. Within this zone there are about 547 residents. The available water system is adequate for this zone.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Edge Hill Fire Company is the first due station assigned this area located within 1 to 1.5 miles.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. The Company maintains a Zodiac Inflatable boat as well as approximately 20 trained personnel for water rescue in the flood prone areas of this zone. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 1 to 1.25 miles from this planning zone. Second due truck companies are supported by the Roslyn and Abington Fire Companies. Additional engines are supported by Roslyn, Weldon and Abington Fire Companies.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Hazardous materials response are through the Edge Hill Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1 to 1.5 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

All roadways within this zone are residential. Pedestrian traffic is low. The SEPTA railroad runs through this zone. Railroad traffic is mostly electrified commuter rail cars and usually one small local freight train overnight almost daily.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

There are only medium risk properties within this planning zone

Identified Special Risks

Flooding – Maple Avenue between Lincoln and Meyer Avenues

There are five basins including an earthen dam engineered to hold storm water during periods of very heavy rain, tropical storms or hurricanes. These are designed to hold from between 8 million gallons to 750,000 gallons of storm water. The depth of the basins range from eight feet to sixteen feet. See Abington Township Engineer's plan on basins.

Fire Flow Concerns

The water system within this planning zone is adequate to meet the needed fire flows.

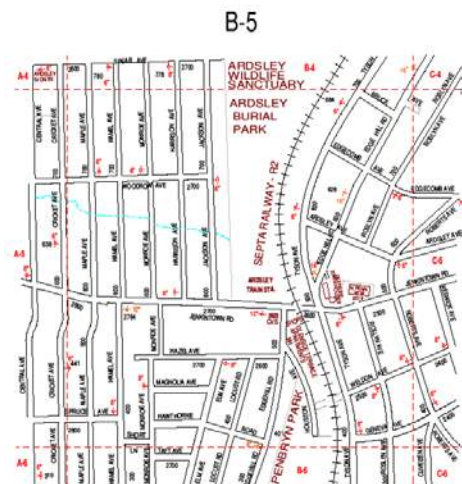
PLANNING ZONE B-5

Community Profile

This area is best described as predominately single family and twin dwellings constructed pre WWII and 1950-1960's. They average in size from about 1,000 to 1,850 square feet. There are some commercial structures within this zone including several small pizza or food stores, a CVS, two small churches, a VFW, some additional small offices, barber shops, Ardsley Railroad Station, etc. The CVS is protected with a sprinkler system. Most of the other commercial properties are unprotected, but do have monitored fire alarm systems. There are about 1,020 residential units including several townhouses and small apartments. There are about 2,509 residents in this zone. The water supply is adequate for this zone.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Edge Hill Fire Company is the first due station assigned this area located within 1 mile.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 1 mile from this planning zone. Second due truck companies are supported by the Roslyn Fire Company with mutual aid from Glenside Fire Company. Additional engines are supported by Roslyn, Weldon, Abington and Glenside Fire Companies.

Hazardous materials response are through the Edge Hill Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1 to 2 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The main roadway within this zone is E-W Jenkintown Road. Pedestrian traffic typically in this zone is low except in close proximity to the Ardsley Railroad Station. The Septa Railroad tracks run N-S through this zone mostly electrified passenger commuter line with 1 overnight small local freight train daily.



Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Medium Risk

Glenside Terrace Apartments/Stores	501 Edge Hill Road
Ardsley Community Chapel	2271 Jenkintown Road
Ardsley Korean Church	2722 Jenkintown Road
CVS	2622 Jenkintown Road

Identified Special Risk

There is a double track railroad crossing at Jenkintown Road between Tyson Avenue and Edge Hill Road. The crossing is protected with gates and flashing lights. Adjacent to the crossing is the Ardsley Station. The railroad in this area is electrified via overhead catenary.

Fire Flow Concerns

The water system within this planning zone is adequate to meet the needed fire flows.

ABINGTON TOWNSHIP FIRE DEPARTMENT

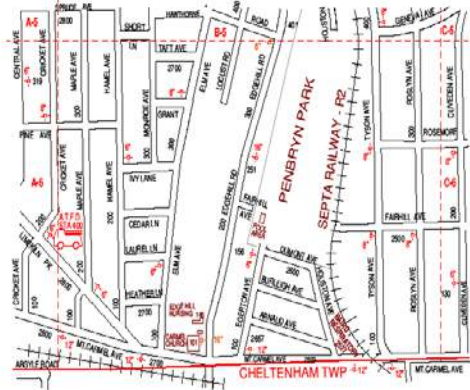
Community Risk Analysis and Standards of Cover

PLANNING ZONE B-6

Community Profile

This area is best described as predominately residential with a mixture of some commercial and light industrial. There are about 1,910 residential units both single family and twin residence ranging in size from about 1,000 to 2,200 square feet. Most were constructed prior to WWII. There is one large church, Carmel Presbyterian Church. The structure is unprotected, but does have a monitored fire alarm. Located at Mt. Carmel and Edge Hill Road the church also serves as a senior citizen center. Just to the north of the church is the Edge Hill Nursing Home, a 60 bed facility fully sprinklered along Mt. Carmel Avenue. There are several restaurants fully sprinklered. Water supply for this zone is adequate except in the industrial area at Fairhill Avenue and the railroad tracks. Also within this zone is Penbyrn Park, and Abington Township Parks and Recreation facility with athletic fields and a community pool.

B-6



Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Edge Hill Fire Company is the first due station assigned this area located within 1 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. The Company maintains a Zodiac Inflatable boat as well as approximately 20 trained personnel for water rescue in the flood prone areas of this zone. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 1 mile from this planning zone. Second due truck companies are supported by mutual aid with the Glenside Fire Company and the Roslyn and Abington Fire Companies. Additional engines are supported by Weldon Fire Company and mutual aid with Oreland and Glenside Fire companies.

Hazardous materials response are through the Edge Hill Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1 to 1.5 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major E-W roadways are Mt. Carmel Avenue and Limekiln Pike. The N-S roadway is Edge Hill Road. The railroad – Septa runs N-S through this zone with electrified commuter trains and one overnight local freight train.

Community Risk Assessment Ratings

A risk assessment was completed on the properties within this planning zone as part of the community risk assessment using Vision Software.

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Identified Medium Risk

Baird Respiratory	2527 Mt. Carmel Avenue
Carmel Presbyterian Church	100 Edge Hill Road
Edge Hill Nursing Home	146 Edge Hill Road
Edge Hill Fire Company	2843 Limekiln Pike
Fairhill Avenue Complex	2541-2547 Fairhill Avenue
John P. Nissen Company (Vacant)	2540 Fairhill Avenue
Mastroni Roofing	2780 Limekiln Pike
North Hills Contractors	2547 Fairhill Avenue

Identified Special Risks

Abington Township's Public Penbryn Pool is located within this zone.



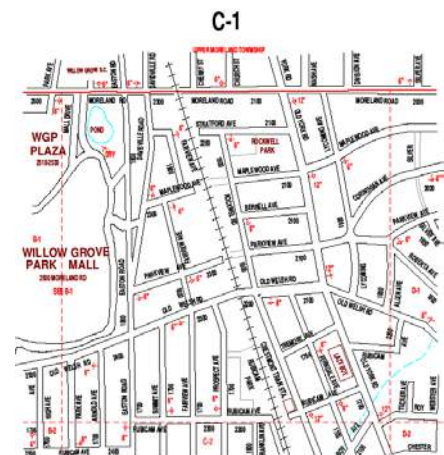
There is a double track railroad crossing in this zone located at Mt. Carmel Avenue 150' west of Tyson Avenue. The crossing is protected with gates and flashing lights. The railroad is electrified via overhead catenary. The southern half of this crossing is within the boundary of Cheltenham Township, the boarder being the center line of Mt. Carmel Avenue.

Fire Flow Concerns Except for the previously mentioned small industrial area, there are no water supply problems in this area. The water supply issue in the industrial area is mostly concern with limited access to the area.

PLANNING ZONE C-1

Community Profile

This area is best described as a mixture of residential, commercial and light industrial. There are about 590 residential units, single family, twin and apartments ranging in size from about 1,000 to 2,200 sq. ft. Most dwellings were constructed prior to WWII. Almost center in this zone is an older light industrial area consisting of electronics, automotive, shipping and research facilities. Adjacent to this area is the SEPTA railroad tracks. The rail traffic is almost totally electric commuter trains with one local freight train. The commercial areas include the Easton Road and Old York Road corridors. Included in this zone are several restaurants, Aldi Market, two churches a section of parking lot for Willow Grove Park Mall including the retention basin. Water supply for this area is adequate. Also within this zone is the Abington Township Parks & Recreation Rubicam Avenue Park and Rockwell Park. There are about 1227 residents within this zone.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Roslyn Fire Company is the first due station assigned this area to the west with Abington providing service to the east side; both are located within 1 to 1.5 miles.

The Companies operate the first and second due engines as well as first due truck company. The Companies are equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 2 to 2.5 miles from this planning zone. Second due truck companies are supported by the Roslyn and Abington Fire Companies as well as mutual aid response from Willow Grove Fire Company. Additional engines are supported by Roslyn, Abington, Weldon and Willow Grove Fire Companies.

Hazardous materials response are through the Roslyn or Abington Fire Companies with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1 to 1.5 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major north/south roadways are Easton Road and Old York Road. Major east/west roadways are Moreland Road on the northern most borders with Upper Moreland Township and Old Welsh Road. Also, as mentioned, the SEPTA railroad tracks run north/south through this zone.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Medium Risks

Berrell Avenue Apartments	1841 Davisville Road
National Medical Laboratory	2300 Stratford Avenue
Parkview Apartments	2323 Parkview Avenue
Residential Services Systems	2212 Moreland Road
Residential Services Systems	1772 Rockwell Road
Holy Trinity Lutheran Church	2086 Parkview Avenue
Saint Ann's P.E. Church	2119 Old Welsh Road

Identified Special Risks

Flooding: During heavy rains the retention basin at Willow Grove Park Mall can overflow its banks causing flooding just west of Easton Road & Moreland Road. Additionally flooding has occurred in the vicinity of the intersection of Park Avenue and Old Welsh Road both resulting in motorists stranded in high water.

There is a single track railroad grade crossing on Moreland Road about 100 yards east of Davisville Road. The crossing is protected with gates and flashing lights. One half, the north half of this crossing is in Upper Moreland Township, the township boarder being the center line of the street. The railroad is electrified via overhead catenary.

Fire Flow Concerns

There are no identified fire-flow concerns in this planning zone.

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE C-2

Community Profile

This area is best described as predominantly residential with some commercial and light industrial. There are about 1095 single family and twin dwellings constructed both pre-WWII and 1950s-1960s. The dwellings are between 1,000 and 2,200 sq. ft. in size. There are approximately 2402 residents within this zone. There is one unprotected church. There are 12 buildings used for auto repairs, sales of which 2 are protected by an automatic sprinkler system, 10 are unprotected. There is a large unprotected building doing custom truck body finishing.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Roslyn Fire Company is the first due station assigned this area to the west with Abington Fire Company providing service to the east side; both are located within 1 mile.

The Companies operate the first and second due engines as well as first due truck company. The Companies are equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 1.5 to 2 miles from this planning zone. Second due truck companies are supported by the Roslyn and Abington Fire Companies as well as mutual aid response from Willow Grove Fire Company. Additional engines are supported by Roslyn, Abington, Weldon and Willow Grove Fire Companies.

Hazardous materials response are through the Roslyn or Abington Fire Companies with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1 mile. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major north/south roadway is Easton Road. There are no major east/west roadways. The SEPTA railroad runs north/south through this zone. Mostly electric commuter trains with one local freight train daily. Pedestrian traffic is low in this zone.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Medium Risks

Roslyn Apartments	1515 Easton Road
Faith Fellowship Church	1666-68 Easton Rd
First Baptist Church of Crestmont	1678 Fairview Avenue
New Bethel African M.E. Church	1646 Prospect Avenue
Sussman Honda (see pre-plan & special notes)	1543 Easton Road
Wee R the World Daycare	1600 Easton Road

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.



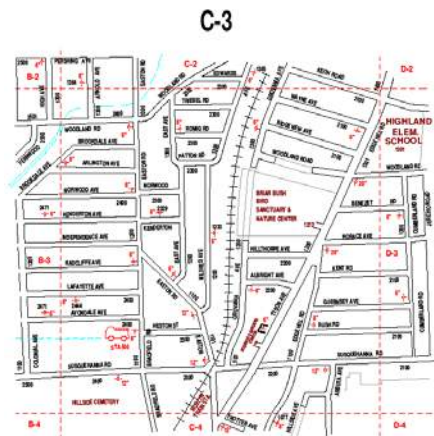
ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE C-3

Community Profile

This area is best described as a mixture of single family residential and light commercial/retail. There are about 900 dwellings in this zone for the most part constructed prior to WWII. The dwellings range in size from about 1,000 to 2,200 sq. ft. There are about 3485 residents within this zone. The commercial area is primarily along the Easton Road corridor. Within this zone is the Roslyn Shopping Center, a fully sprinklered complex consisting of a Rite-Aid and other smaller retail stores or restaurants. There are numerous structures that are a mixed use commercial retail and apartments.



Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Roslyn Fire Company is the first due station assigned this area to the west with Abington providing service to the east side; both are located within 1 mile.

The Companies operate the first and second due engines as well as first due truck company. The Companies are equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 1.25 to 1.5 miles from this planning zone. Second due truck companies are supported by the Roslyn and Abington Fire Companies as well as mutual aid response from Willow Grove Fire Company. Additional engines are supported by Roslyn, Abington, Weldon and Willow Grove Fire Companies.

Hazardous materials response are through the Roslyn or Abington Fire Companies with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of one mile. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major north/south roadways within this zone are Easton Road, Edge Hill Road and Tyson Avenue. Major east/west roadways are Susquehanna Road and Woodland Road. The SEPTA railroad runs through this zone with a station located at Susquehanna and Easton Roads. Rail traffic consists primarily of electric commuter trains with one local freight train daily.



Community Risk Assessment Ratings

A risk assessment was completed on the properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Special Risks Buildings

Roslyn Fire Company
Highland Elementary School

1128 Bradfield Road
1301 Edge Hill Road

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Identified Medium Risks

Milestones Deaf Services	1100-1102 Easton Road
Milestones Deaf Services	1106 Easton Road
Bradfield Court Apartments	2323 Heston Street
Bradfield Mews Apartments	2355 Susquehanna Road
Rosewood Park Condominiums	1100 Tyson Avenue
Growth Horizons Group Home	1316 East Avenue
Faith Community Church	1200 Easton Road
Giant Market	2350 Susquehanna Road
Roslyn Valley Shopping Center	1321-1351 Easton Road
Roslyn Valley Apartments	1114 Easton Road
Salisbury Deaf Services	2413 Susquehanna Road

Identified Special Risks

Flooding; during heavy rains a tributary of the Sandy Run Creek runs east/west through this zone. In the past there have been numerous calls for water rescue in the area around Easton and Woodland Roads caused by high water on the roadway.

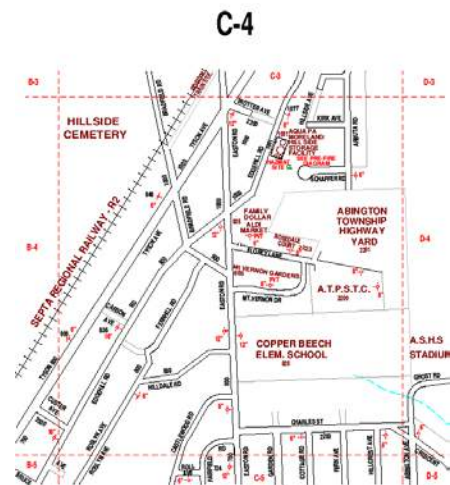
There is a single track railroad grade crossing within this zone at the intersection of Easton Road and Susquehanna Road. The crossing is protected by flashing lights. Just south west of the grade crossing is the Roslyn Station. The railroad is electrified with overhead catenary.

Fire Flow Concern The water supply within this planning zone is adequate to meet the needed fire flow.

PLANNING ZONE C-4

Community Profile

This area is best described as a mixture of residential single family dwellings, some commercial structures, a cemetery, a large elementary school, Abington Township Public Works facility, Public Safety Training Grounds. There are about 400 dwellings constructed mostly prior to WWII ranging in size from about 1,000 to 2,200 sq. ft. There are about 1616 residents in this zone. Easton Road within this area is primarily lined with commercial structures including Copper Beech Elementary School, Mount Vernon Garden Apartments. There are two large garden style apartment complexes in this zone. Mt Vernon Apartment's complex consists of 13 buildings with 166 living units and Rosedale Court Apartments with 7 buildings and 77 living units. Copper Beach Elementary school constructed in 2000 is protected throughout with an automatic sprinkler and fire alarm system. Also within the zone is the Abington Township Public Works complex consisting of 2 main structures and 3 out buildings with underground storage tanks for the dispensing of diesel and gasoline. The Abington Township Public Safety Training Facility and fire training tower are located adjacent to the Public Works complex; these facilities are protected with sprinkler and alarm systems.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Weldon Fire Company is the first due station assigned this area located within 1 to 1.2 miles.

The Company operates the first and second due engines as well as heavy rescue company. The Company is equipped to perform light, moderate, heavy and technical as well as water rescues. First due truck companies are provided by the Roslyn, Abington and Edge Hill Fire Companies. Additional engines are supported by the Roslyn, Edge Hill and Abington Fire Companies.

Hazardous materials response are through the Weldon Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of one mile. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major north/south roadways within this zone are Easton Road, Edge Hill Road and Tyson Avenue. There are no major east/west roadways. The SEPTA railroad runs through this zone. Rail traffic consists primarily of electric commuter trains with one local freight train daily. Pedestrian traffic is low in this zone except at the elementary school during arrival and dismissal.



Gate protected crossing on Bradfield Road between Susquehanna Road and Tyson Avenue.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Special Risks Buildings

Copper Beech Elementary School	825 Easton Road
Milestones	1075 Easton Road
Abington Township Public Works Facility	2201 Florey Lane
Abington Township Public Safety Training Facility	2200 Florey Lane

Identified Medium Risks

Mount Vernon Garden Apartments	885 Easton Road
Rosedale Court Apartments	2223 Florey Lane
Salisbury Deaf Services	1012 Easton Road

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Identified Low Risks – (pre-planned)

New Life Thrift Shop
SPCA

800 Easton Road
1006 Edge Hill Road

Identified Special Risks

Aqua Suburban Water tank farm

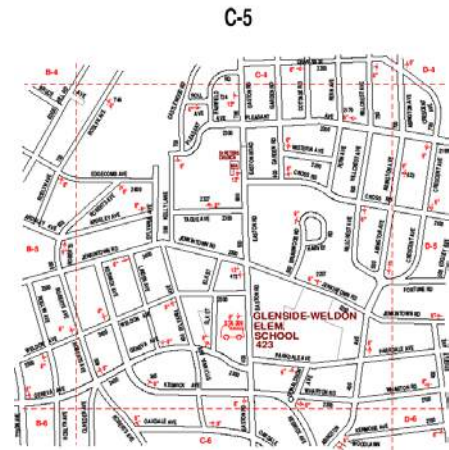
Edge Hill Road

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.

PLANNING ZONE C-5

Community Profile

This area is best described as predominantly residential with about 830 single family and twin dwellings constructed prior to WWII. They range in size from 1,000 sq. ft. to about 2,200 sq. ft. each. Also within this zone is a section of commercial structures on Easton Road and Keswick Avenue. The commercial structures within this area consist of several retail auto sales, the Keswick Theatre, a 1300 seat theatre which features live entertainment with nationally known entertainers. There are four large churches within this zone, St. Peters, New Life, Won Bon Temple and Glenside Bible. Glenside Bible Church is protected throughout with an automatic sprinkler system, New Life is partially protected.



Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Weldon Fire Company is the first due station assigned this area located within 0 to .5 miles.

The Company operates the first and second due engines as well as heavy rescue company. The Company is equipped to perform heavy and technical as well as water rescues. First and second due truck companies are supported by the Edge Hill, Roslyn and Abington Fire Companies and mutual aid with Glenside Fire Company, all located within 1 to 1.25 miles. Additional engines are supported by Edge Hill, Roslyn and Abington Fire Companies as well as mutual aid through Glenside Fire Company.

Hazardous materials response are through the Weldon Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1 to 1.5 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major north/south roadways are Easton Road and Keswick Avenue. The major east/west roadway is Jenkintown Road.

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Community Risk Assessment Ratings

A risk assessment was completed on the properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Special Risk Buildings

Weldon Fire Company	412 Easton Road
Keswick Theatre	291 N. Keswick Avenue
Keswick Avenue Apartments	243-251, 244-252 Keswick Avenue
Easton Road Apartments	333 to 353 Easton Road

Identified Medium Risk

Comhar Inc	615 Hillcrest Avenue
Growth Horizons Group Home	804 Abington Avenue
Milestones Office & Facility	614 Easton Road
Milestones Apartments	626 Easton Road
New Life Presbyterian Church	467 Easton Road
Saint Peter's Church	654 Easton Road
Glenside Bible Church	Keswick & Weldon Avenues

Identified Special Risks

Street flooding has occurred within the Easton Road, Keswick Avenue area including Geneva Avenue. In the past numerous commercial basements have filled with storm water creating a hazardous condition requiring fire department action.

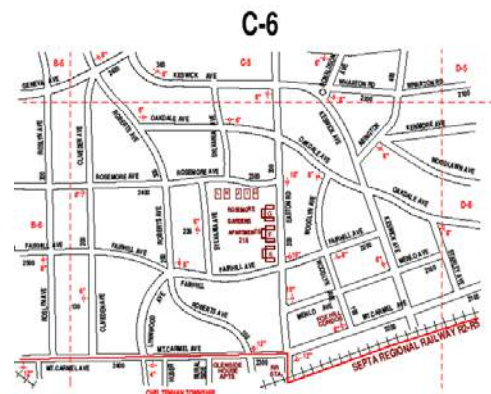
Fire Flow Concerns

The water supply within this planning zone is adequate to meet the needed fire flow.

PLANNING ZONE C-6

Community Profile

This area is best described as predominantly residential with about 580 single family and twin dwellings mostly constructed prior to WWII. There are about 1839 residents in this zone. Along Easton Road there is the Rosemore Garden Apartment Complex with 14 buildings and 154 apartments. Also within this zone are the St. Luke's Church, School, Rectory and Convent, St. Paul's Lutheran Church and the Lighthouse Fellowship Church. There is also a section of mixed commercial and apartments on Keswick Avenue and some commercial on Mt. Carmel Avenue.



Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Weldon Fire Company is the first due station assigned this area located within 0 to .5 miles.

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

The Company operates the first and second due engines as well as heavy rescue company. The Company is equipped to perform heavy and technical as well as water rescues. First and second due truck companies are supported by the Edge Hill, Roslyn and Abington Fire Companies and mutual aid with Glenside Fire Company, all located within 1 to 1.25 miles. Additional engines are supported by Edge Hill, Roslyn and Abington Fire Companies as well as mutual aid through Glenside Fire Company.

Hazardous materials response are through the Weldon Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1 to 1.5 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major north/south roadways are Easton Road and Keswick Avenue. The major east/west roadway is Mt. Carmel Avenue. The southern border of this zone is the SEPTA railroad, a predominantly electric commuter rail line with some NS/CSX freight traffic. Pedestrian traffic is mostly light with heavy periods near the churches in this zone.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Special Risk Buildings

Saint Joseph the Protector School	2336 Fairhill Avenue
Lighthouse Fellowship Methodist Church	137 Easton Road
St. Paul's Lutheran Church	106 Easton Road

Identified Medium Risk

Rosemore Garden Apartments	218 Easton Road
Glenside United Church of Christ	2160 Wharton Road
Glenside Bible Church	447 Keswick Avenue
St. Luke the Evangelist Church	2336 Fairhill Avenue

Identified Low Risk (pre-planned)

Fox Hill Condominiums	Mt. Carmel & Woodlyn Avenues
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Identified Special Risks

During an extremely heavy rain storm, tropical storm or hurricane Keswick Avenue can flood causing a fast moving flow of water resulting in swift water type rescues and numerous commercial flooded basements.

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.

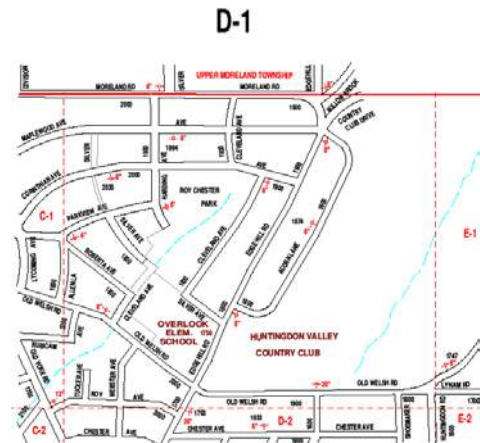
ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE D-1

Community Profile

This area is best described as predominantly residential properties with approximately 415 single family and some twin-family residences. Some construction pre-dates WWII and some additional 1950-1960 construction. The dwellings range in size from above 1800 sq.ft. to 3,000 sq. ft. There are approximately 1085 residences in this zone. At Old Welsh Road and Edge Hill Road is the Overlook Elementary School protected throughout by an automatic sprinkler system. Also within this zone are the Roychester Park and the Roychester Park Community Center. The Community Center is used by local residents, Boy and Girl Scouts.



Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Abington Fire Company is the first due station assigned this area located within 1 to 1.5 miles.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 2 to 3 miles from this planning zone. Second due truck companies are supported by the Roslyn Fire Company and mutual aid with Willow Grove Fire Company. Additional engines are supported by Roslyn and Weldon Fire Companies as well as mutual aid through Willow Grove Fire Company in neighboring Upper Moreland Township.

Hazardous materials response are through the Abington Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1 to 1.5 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major North-South roadway is Edge Hill Road. The major East-West roadway is Old Welsh Road and Moreland Road. Pedestrian traffic within this zone is light except near the school during arrival and dismissal.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Medium Risk

Lynch Group Home	1803 Roberta Avenue
Overlook Elementary School	1750 Edge Hill Road

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.

ABINGTON TOWNSHIP FIRE DEPARTMENT

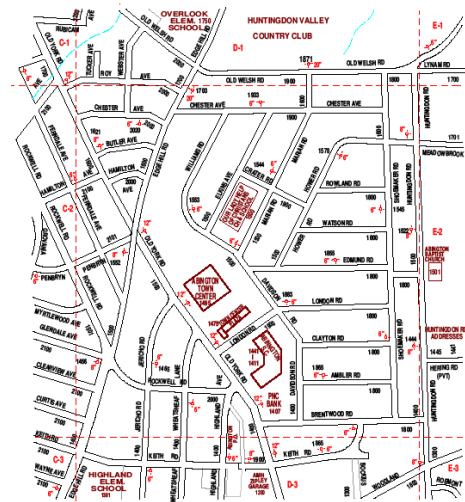
Community Risk Analysis and Standards of Cover

PLANNING ZONE D-2

D-2

Community Profile

This area is best described as a mixture of some commercial and residential properties. There are about 50 commercial properties that include two large shopping centers, both of which are protected by automatic sprinkler systems. Properties along the Old York Road corridor include restaurants, gas stations and offices. Within the Abington Shopping Center is a Target, T.J. Max and 6 additional smaller retail outlets. Across the street in the Abington Town Center is a Michael's craft store and additional smaller retail and restaurant facilities. There are approximately 605 residential properties within this zone, about 50 % of which were constructed prior to WWII. The dwellings are a mixture of single family and twin dwellings. They range in size from 1800 sq. ft. to above 3,000 sq. ft. There are about 2402 residents within this zone. Also within this zone is the Our Lady Help of Christians Church and parochial school.



Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Abington Fire Company is the first due station assigned this area located within .5 to 1 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 2 to 2.5 miles from this planning zone. Second due truck companies are supported by the Roslyn Fire Company and mutual aid with Willow Grove Fire Company. Additional engines are supported by Roslyn and Weldon Fire Companies as well as mutual aid through Willow Grove

Hazardous materials response are through the Abington Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of .5 to 1 mile. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major north/south roadways in the zone are Old York Road and Edge Hill Road. Old Welsh Road is the major east/west roadway. Pedestrian traffic is mostly low except near the churches, schools and shopping center lots.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Medium Risks

Abington Shopping Center
Abington Towne Center Shopping Center
Abington Town Center Annex

1411-1441 Old York Road
1475-1495 Old York Road
1475 Old York Road

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Lynch Group Home
 Our Lady Help of Christians Church & School
 PAREC Assoc. / Butler Ave Apartments
 Nittany Apartments
 Edge Hill Apartments
 Harrison Apartments
 Sho-Hill apartments
 Regina Coeli Academy

1431 Shoemaker Road
 1500 Marian Road
 1621 Old York Road
 1643 Old York Road
 1575 Edge Hill Road
 1567 Old York Road
 1581 Edge Hill Road
 1500 Marian Road

Identified Special Risks

Flooding – In the areas of York Road and Rockwell Road, Davidson Road between London Road and Marion Road. Marion Road and Chester Ave During heavy rains, tropical storms, flooding has taken place resulting in numerous swift water rescues.

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.

PLANNING ZONE D-3

Community Profile

Located in the center of Abington Township, this zone is a mixture of commercial and residential properties. Some of the commercial properties located within this zone are Abington Memorial Hospital, Abington Post Office, Abington Fire Company and the Abington Township Municipal Building and Police Headquarters. There are approximately 75 commercial properties with an additional 575 residential single family and twin residences. Approximately 50 % of the construction pre dates WWII with the remaining structures built in the 1950's. There are about 1572 residents within this zone.

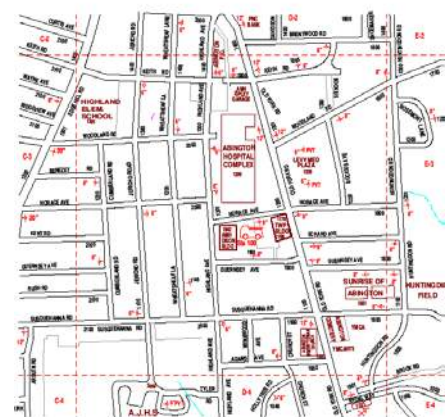
Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Abington Fire Company is the first due station assigned this area located within 0 to .5 miles.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 1.25 to 1.75 miles from this planning zone. Second due truck companies are supported by the Roslyn and Edge Hill Fire Company and mutual aid with Willow Grove Fire Company. Additional engines are supported by Roslyn, Weldon and Edge Hill Fire Companies as well as mutual aid through Willow Grove

Hazardous materials response are through the Abington Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 0 to .5 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

D-3



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Transportation Issues

Old York Road is the major north/south roadway with Susquehanna Road being the major east/west roadway.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Special Risks Buildings

Abington Presbyterian Church & School	1082 Old York Road
Abington Jefferson Hospital	1200 Old York Road
Abington Fire Company	1920 Horace Avenue
Abington Police Dept/Municipal Building	1176 Old York Road
Abington YMCA	1073 Old York Road
Sunrise of Abington	1801 Susquehanna Road
Levy Medical Plaza	1235 Old York Road
Gerstadt Day Care Center	1319 Old York Road

Identified Medium Risks

Abington School District Bus Depot	1230 Huntington Road
Abington Post Office	1925 Keith Road

Identified Low Risk

Identified Special Risks

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.

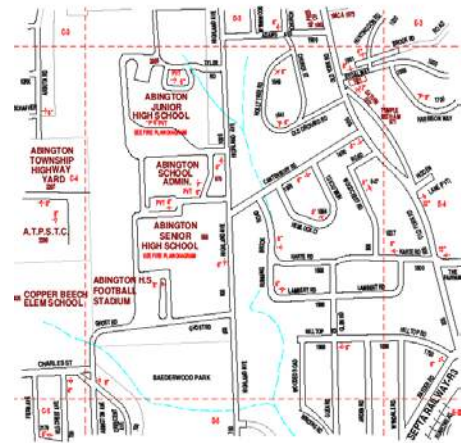
PLANNING ZONE D-4

Community Profile

This zone is predominantly single family dwellings of between 1400 sq. ft. and 2,400sq.ft. Also within this zone are the Abington Junior and Senior High Schools. Both buildings are protected with partial automatic sprinkler systems as well as full fire alarm systems. In 2017, Penn State University Abington opened Penn State Lionsgate Apartments, a 400 student housing center that is five stories and protected by a sprinkler and fire alarm system. Also within this zone is the Jericho Manor Apartments consisting of 5 buildings with 136 living units. The Abington Library is located within this zone. There are about 220 residential single family dwellings located within this zone. Also within the zone is the Baederwood Park, a large wooded township owned park.

Services Provided

D-4



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Abington Fire Company is the first due station assigned this area located within .25 to .75 miles.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 1 to 1.25 miles from this planning zone. Second due truck companies are supported by the Roslyn and Edge Hill Fire Companies. Additional engines are supported by Roslyn, Weldon and Edge Hill Fire Companies

Hazardous materials response are through the Abington Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of .25 to .75 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major north/south roadways in the zone are Old York Road and Highland Avenue. There is no major east/west roadway.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Special Risks Buildings

Abington Junior High School	2056 Susquehanna Road
Abington Senior High School	900 Highland Avenue
Abington School District Administration Offices	970 Highland Avenue

Identified Moderate Risks

Penn State Lionsgate Apartments	1001 Old York Road
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Identified Medium Risks

Jericho Manor Apartments	841 Highland Avenue
Lynch Group Home	1849 Old Orchard Road

Identified Special Risks

Schwarzman Stadium	900 Highland Avenue
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Fire Flow Concerns

The water supply within this planning zone is adequate to meet the needed fire flow.

ABINGTON TOWNSHIP FIRE DEPARTMENT

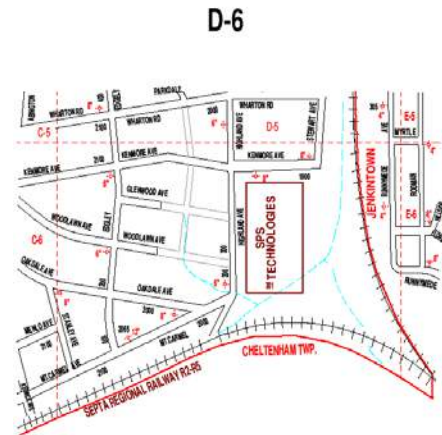
Community Risk Analysis and Standards of Cover

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.

PLANNING ZONE D-6

Community Profile

This zone is predominantly single family and twin dwellings with some industrial. There are about 235 dwellings mostly pre-WWII construction. The homes range in size from about 1,000 sq. ft to about 2,200 sq. ft. There are approximately 8312 residents. The largest structure within this zone is the SPS Technologies complex, a Title II facility, a metal fabricator in the aerospace industry. It has its own private fire brigade and certified Haz-Mat team. Additionally there are two large Philadelphia Electric Company sub-stations and a SEPTA railroad sub-station.



Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Weldon Fire Company is the first due station assigned this area located within .5 to 1 mile.

The Company operates the first and second due engines as well as first due rescue company. The Company is equipped to perform heavy, technical as well as water rescues. Truck companies are supported by the Edge Hill and Abington Fire Companies and mutual aid with Glenside Fire Company. Additional engines are supported by Edge Hill and Abington Fire Companies as well as mutual aid through Glenside Company

Hazardous materials response are through the Weldon Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1.25 to 2 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major north/south roadway is Highland Avenue. The major east/west roadway is Mt. Carmel Avenue. The former Reading Railroad Bethlehem and West Trenton Branches, now the SEPTA north/south CSX runs through this zone.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified High Risk

SPS Technologies

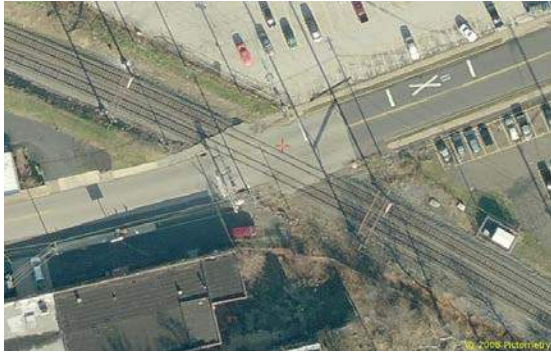
301 Highland Avenue

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Identified Special Risks

Street flooding has historically occurred during very heavy rain storms, tropical storms or hurricanes. Numerous cars have been lost in the parking lot of SPS Technologies in the past as a result of flooding.



There is a double track high speed grade crossing at Highland Avenue and the border with Cheltenham Township. The grade crossing is protected with gates and flashing lights. The railroad is electrified with overhead catenary.

PECO Jenkintown Sub Station
PECO Wyncote Sub Station

201 Highland Avenue
357 Highland Avenue

Fire Flow Concerns – See Weldon Pre-Plan for SPS Technologies for additional water sources. The water supply within this planning zone is adequate to meet the needed fire flow with the SPS technologies exception.

PLANNING ZONE E-1

Community Profile

This area is best described as totally residential consisting of 3,000 to 6,000 sq. ft. single family dwellings. Constructed both pre and post WWII there are approximately 98 dwellings with 246 residents in this zone.

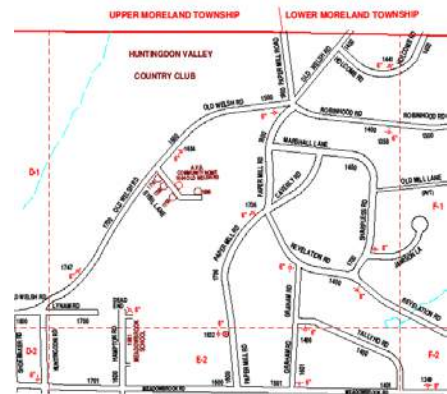
Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Abington Fire Company is the first due station assigned this area located within 1 to 1.25 miles.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 2 to 3 miles from this planning zone. Second due truck companies are supported by the Roslyn Fire Company and mutual aid with Willow Grove Fire Company. Additional engines are supported by Roslyn and Weldon Fire Companies as well as mutual aid through Willow Grove.

Hazardous materials response are through the Abington Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1 to 1.25 miles. The Abington Township

E-1



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major north/south roadway in the zone is Huntingdon Road. Old Welsh Road is the major east/west roadway.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Medium Risk

Allegheny Valley Schools Community Home 1664 Old Welsh Road

Identified Special Risks

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.

PLANNING ZONE E-2

Community Profile

This area is best described as totally large; 3,000 to 6,000 sq. ft. single family dwellings constructed both pre and post WWII. Additionally there is a large private school, Meadowbrook School grades 1-8. Additionally portions of the Penn State, Abington Campus is located in this zone.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Abington Fire Company is the first due station assigned this area located within .5 to 1.25 miles.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 2 to 2.5 miles from this planning zone. Second due truck companies are supported by the Roslyn Fire Company and mutual aid with Willow Grove Fire Company. Additional engines are supported by Roslyn and Weldon Fire Companies as well as mutual aid through Willow Grove.

Hazardous materials response are through the Abington Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of .5 to 1.25 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues A major artery in the planning zone is N-S Huntingdon Road.

E-2



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Medium Risk

Abington Baptist Church	1501 Huntingdon Road
Pennsylvania State University Abington Campus	1600 Woodland Road
Meadowbrook School	1641 Hampton Road

Identified Special Risks

Pond at Pennsylvania State University Abington Campus	1600 Woodland Road
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Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.

PLANNING ZONE E-3

Community Profile

This area is best described as a mixture of large single family dwellings and educational facilities. A large portion of Penn State University, Abington Campus is located within this zone. Residential dwellings range in size from about 2,500 to 5,000 sq. ft. in space. Also a portion of the Rydal Park Nursing and Independent Living Campus is located within this zone on the south border. There are about 175 single family dwellings with approximately 436 residents in this zone.

Services Provided

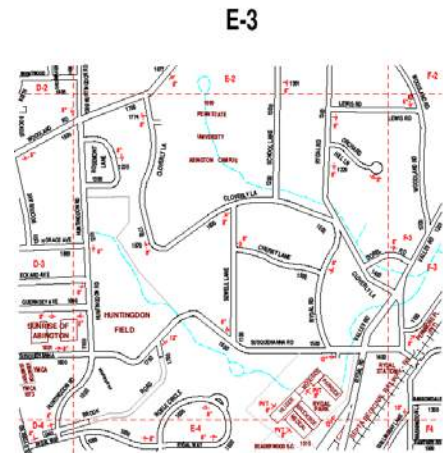
Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Abington Fire Company is the first due station assigned this area located within .25 to .75 miles.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 1.5 to 2 miles from this planning zone. Second due truck companies are supported by the Roslyn and McKinley Fire Companies. Additional engines are supported by Roslyn, Weldon and McKinley Fire Companies.

Hazardous materials response are through the Abington Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of .25 to .75 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major north/south roadways are Rydal Road, Valley Road and Huntingdon Road. The east/west roadway is Susquehanna Road.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Medium Risk

Penn State University Abington Campus
Rydal Park Nursing and Independent Living

1600 Woodland Road
1515 The Fairway

Identified Special Risks

Flooding; the intersection of Susquehanna Road and Valley Road has been known to flood causing stranded motorists in periods of heavy rain, tropical storms and hurricanes.

Fire Flow Concerns

The water supply within this planning zone is adequate to meet the needed fire flow.

PLANNING ZONE E-4

Community Profile

This area is best described as a mixture of residential and commercial properties. Within this zone is the Baederwood Shopping Center, Rydal East and West Apartments, four large retail sales and service auto Centers and commercial retail properties along Old York Road. There are approximately 185 single family dwellings ranging in size from 1,000 to 3,500 sq. ft. constructed both pre and post WWII. There are about 1662 residents within this zone.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Abington Fire Company is the first due station assigned this area located within .5 to 1 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 1 to 1.5 miles from this planning zone. Second due truck companies are supported by the Edge Hill and McKinley Fire Companies with mutual aid from Jenkintown Borough. Additional engines are supported by Edge Hill, Weldon and McKinley Fire Companies with mutual aid from Jenkintown Borough.

Hazardous materials response are through the Abington Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of .5 to 1 mile. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

E-4



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Transportation Issues

The major north/south roadways in this zone are Old York Road and The Fairway (Rydal Road). The former Reading Railroad West Trenton branch runs through this zone. Now operated by SEPTA.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified High Risks

Rydal East Apartments	1570 The Fairway
Rydal West Apartments	1610 The Fairway

Identified Medium Risks

Baederwood Shopping Center	The Fairway
Noble Town Center	905-921 Old York Road
Noble Plaza	801 Old York Road
Noble Square	817 Old York Road
Jenkintown Day Nursery	796 Baeder Road
Temple Beth-Am	971 Old York Road
Rydal Park nursing home facility	1515 The Fairway

Identified Low Risks

WaWa mini mart	816 Old York Road
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Identified Special Risks

Within this zone is the Rydal Road railroad crossing (a high speed crossing) on Rydal Road about 400 yards south of Rydal Road and The Fairway. This is a high speed double track crossing protected by gates and flashing lights. The railroad is electrified with overhead catenary.

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE E-5

Community Profile

This area is a mixture of both residential and commercial properties. There are about 110 single family and twin dwellings ranging in size from 1,000 to 3,400 sq.ft. The residences were constructed prior to WWII. The commercial properties along Old York Road consist of two strip malls, and Cloverly Plaza. Both facilities are fully sprinklered with some additional small business and restaurants. There are approximately 262 residents living within this zone. A large portion of this zone lies within Jenkintown Borough.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Abington Fire Company is the first due station assigned this area located within 1 to 1.5 miles.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 1 to 1.5 miles from this planning zone. Second due truck companies are supported by the Edge Hill and McKinley Fire Companies with mutual aid from Jenkintown Borough. Additional engines are supported by Edge Hill, Weldon and McKinley Fire Companies with mutual aid from Jenkintown Borough.

Hazardous materials response are through the Abington Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1 mile. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major north/south roadway is Old York Road and Baeder Road. There are no major east/west roadways. The SEPTA and CSX NS Railroads run through this zone.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

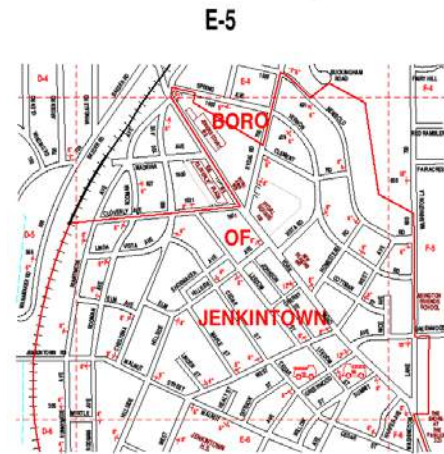
Identified Medium Risk

Cloverly Plaza Shopping Center

616-636 Old York Road

Identified Special Risks

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE F-1

Community Profile

This area is totally residential properties ranging from approximately 2,000 sq. ft. to 4,500 sq. ft. in size. There are about 129 single family dwellings, some constructed pre-WWII. The majority of the dwellings were constructed in the 1950's through 2006. There are above 445 residents within this zone.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Abington Fire Company is the first due station assigned this area located within 1.25 to 2 miles.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 2.5 to 3 miles from this planning zone. Second due truck companies are supported by the Roslyn Fire Company and mutual aid with Willow Grove Fire Company. Additional engines are supported by Roslyn and Weldon Fire Companies as well as mutual aid through Willow Grove.

Hazardous materials response are through the Abington Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1.25 to 2 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major north/south roadway in this zone is Washington Lane. There are no major east/west roadways. Large single family dwellings on Deer Run Road, a private road, are a concern due to the fire potential and the narrow width of the private roadway.

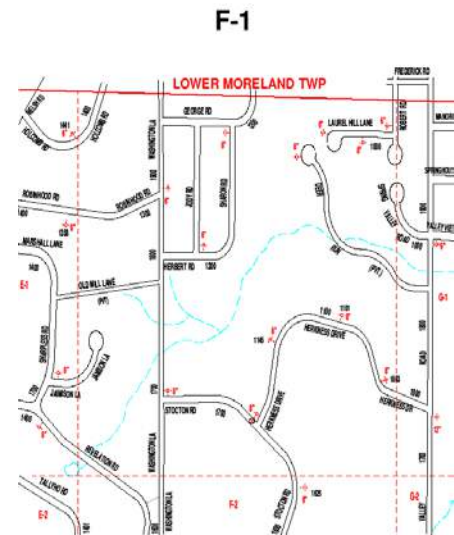
Community Risk Assessment Ratings

A risk assessment was completed on the commercial properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Special Risks

Dwellings on Deer Run Road due to narrow width of private road, fire flow requirements related to the size of dwellings.

Fire Flow Concerns Water supply and access to extra-large dwellings on Deer Run Rd. Laurel Hill Lane an adjacent cul-de-sac is an alternate water supply. See pre-plan.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE F-2

Community Profile

This zone is totally residential, consisting of about 136 single family dwellings ranging in size from 2,000 sq. ft. to 4,500 sq. ft. A large portion of this area was former farm land. The dwellings range in date of construction from pre-WWII up to 2007. There are approximately 310 residents within this zone.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The Abington Fire Company is the first due station assigned this area located within 1 to 1.75 miles.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 2 to 3 miles from this planning zone. Second due truck companies are supported by the Roslyn and McKinley Fire Companies. Additional engines are supported by McKinley and Weldon Fire Companies.

Hazardous materials response are through the Abington Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1 to 1.75 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major north/south roadways in the zone are Valley Road and Washington Lane. Meadowbrook Road is the major east/west roadway. The SEPTA and CSX NS railroad tracks formerly the Reading Railroad West Trenton branch runs through this zone.

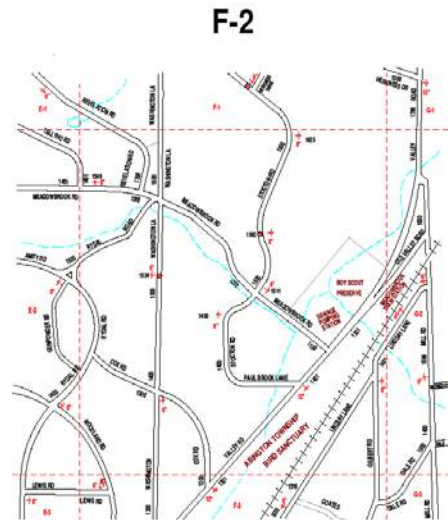
Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Special Risks

None

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE F-3

Community Profile

This planning zone is totally residential consisting of approximately 207 single family dwellings ranging in size from 1,700 sq. ft. to 4,200 sq. ft. Periods of construction range from pre-WWII to the present. There are about 350 residents within this zone.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The McKinley Fire Company is the first due station assigned this area located within 1 to 1.5 miles.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 1.75 to 2.25 miles from this planning zone. Second due truck companies are supported by the Abington Fire Company and mutual aid with Jenkintown Borough. Additional engines are supported by Abington and Weldon Fire Companies as well as mutual aid through Jenkintown Borough.

Hazardous materials response are through the McKinley Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1 to 1.5 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major north/south roadways are Valley Road and Washington Lane. The major east/west roadway is Susquehanna Road. The SEPTA and CSX NS railroad tracks formerly the Reading Railroad West Trenton branch runs through this zone.

Community Risk Assessment Ratings

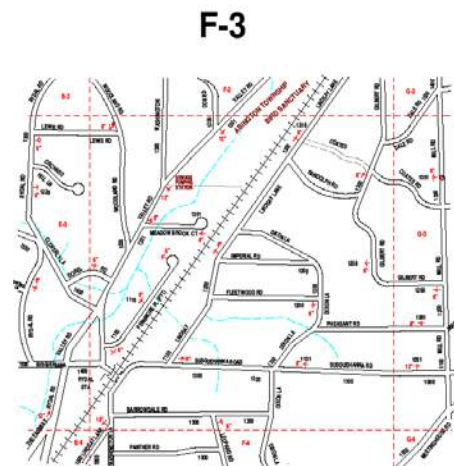
A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Special Risks

Street flooding has historically occurred in the vicinity of Valley Road and Susquehanna Road resulting in water rescue calls during heavy rain storms, tropical storms and hurricanes.

The railroad bridge over the intersection of Susquehanna and Washington Lane due to configuration of the roadway can impede emergency response vehicles especially mutual aid companies who may be unfamiliar with this complex intersection.

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE F-4

Community Profile

This planning zone is totally residential consisting of approximately 290 single family dwellings ranging in size from 1,600 sq. ft. to 4,200 sq. ft. Periods of construction range from pre-WWII to the present. There are about 350 residents within this zone.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The McKinley Fire Company is the first due station assigned this area located within 1 to 1.5 miles.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 1.75 to 2.25 miles from this planning zone. Second due truck companies are supported by the Abington Fire Company and mutual aid with Jenkintown Borough. Additional engines are supported by Weldon and Abington Fire Companies as well as mutual aid through Jenkintown Borough.

Hazardous materials response are through the McKinley Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1 to 1.25 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major north/south roadways in this zone are Meetinghouse Road and Washington Lane. There are no major east/west arteries.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Medium Risk

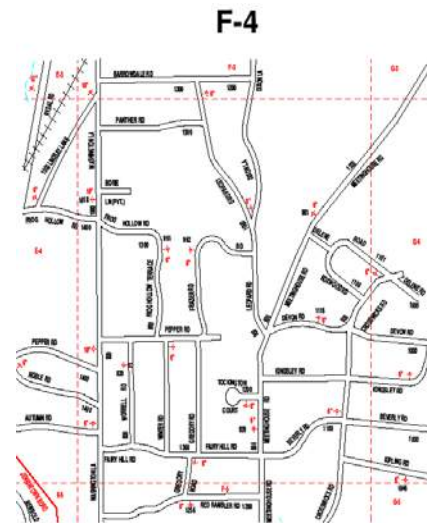
Lynch Group Home
St. Mark's Church Nursery School

919 Crosswicks Road
1162 Beverly Road

Identified Special Risks

This planning zone experienced a fire related fatality on 1/8/05 at 929 Frog Hollow Terrace a w/f, 87 years.

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE F-5

Community Profile

This planning zone is a mixture of residential, a large private school facility and a high rise condominium complex. There are approximately 138 single family dwellings ranging in size from 1,600 sq. ft. to 4,000 sq. ft. There are approximately 384 residents in this zone. Additionally the Abington Friends School Complex is located within this zone consisting of 8 buildings and athletics fields.

The Plaza Condominiums is an 8 story building with 224 living units.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The McKinley Fire Company is the first due station assigned this area located within .5 to 1 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 1.5 to 2 miles from this planning zone. Second due truck companies are supported by the Abington Fire Company and mutual aid with Jenkintown Borough. Additional engines are supported by Weldon and Abington Fire Companies as well as mutual aid through Jenkintown Borough.

Hazardous materials response are through the McKinley Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1.5 to 2 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major north/south roadways in this zone are Washington Lane and Meetinghouse Road. Jenkintown Road and Greenwood Avenue are the major east/west roadways.

Community Risk Assessment Ratings

A risk assessment was completed on within this planning zone as part of the community risk assessment using Vision Software.

Identified High Risks

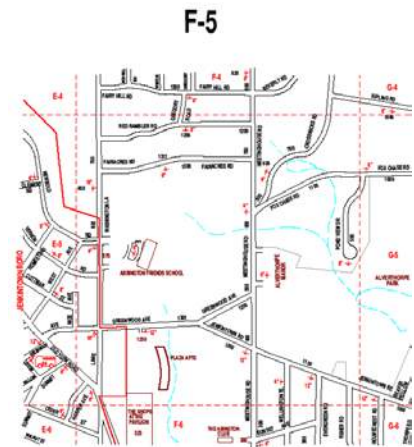
The Plaza Apartments 1250 Greenwood Avenue

Identified Medium Risk

Alvethorpe Manor	Meetinghouse Road
Abington Friends Meeting	Meetinghouse Road
Abington Friends School	575 Washington Lane
Meadowlane Montessori Day Care Facility	616 Meetinghouse Road

Fire Flow Concerns

The water supply within this planning zone is adequate to meet the needed fire flow.



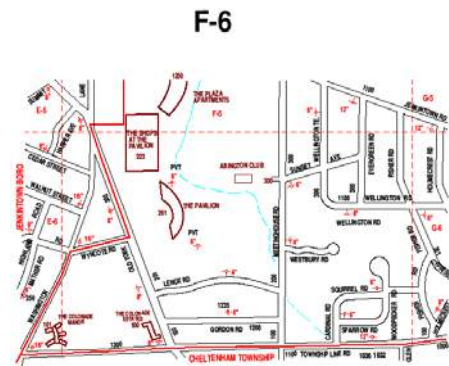
ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE F-6

Community Profile

This area is a mixture of residential and a large commercial area of a mid-rise 10 story structure with offices and retail spaces. Another structure consists of an Acme Supermarket, restaurant and additional retail. Also within this zone is a mid-rise 12 story apartment building with mixed offices and retail along with 288 living units. Along Old York Road is located a large automobile sales and service facility with a bow string truss roof. There are approximately 165 single family dwellings within this zone ranging in size from 1,500 sq. ft. to 3,200 sq. ft. There are about 1564 residents in this zone.



Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The McKinley Fire Company is the first due station assigned this area located within .5 to 1 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 1.5 to 2 miles from this planning zone. Second due truck companies are supported by the Abington Fire Company and mutual aid with Jenkintown Borough. Additional engines are supported by Weldon and Abington Fire Companies as well as mutual aid through Jenkintown Borough.

Hazardous materials response are through the McKinley Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1.75 to 2.25 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major north/south roadways are Old York Road and Meetinghouse Road. Township Line Road is the major east/west tributary.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified High Risks

The Pavilion	261 Old York Road
100 York Apartments	100 Old York Road & 101 Washington Lane

Identified Moderate Risks

Reedman Toll Chrysler Dodge	140 Old York Road
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Identified Medium Risks

Acme building	323 Old York Road
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Identified Special Risks

This planning zone experienced a fire related fatality on 11/20/01 at 100 Old York Road, a b/f, 67 years.

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.

PLANNING ZONE G-1

Community Profile

This area is part residential, private golf course and open land. There are approximately 64 single family dwellings within this zone. The dwellings for the most part were constructed post WWII and range in size from 1,400 sq. ft. to 3,500 sq. ft. There are about 627 residents living within this zone.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The McKinley Fire Company is the first due station assigned this area located within 2.5 to 3 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 3 to 3.25 miles from this planning zone. Second due truck companies are supported by the Abington Fire Company and mutual aid with Huntingdon Valley Fire Company. Additional engines are supported by Weldon and Abington Fire Companies as well as mutual aid through Huntingdon Valley and Bryn Athyn Fire Companies.

Hazardous materials response are through the McKinley Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1.75 to 2.25 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

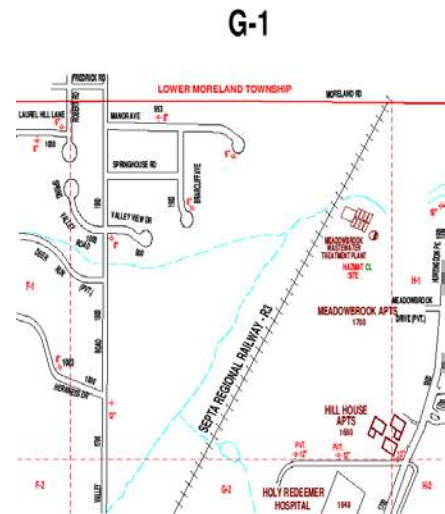
Transportation Issues

The major north/south roadway is Valley Road. The SEPTA and CSX NS railroad tracks formerly the Reading Railroad West Trenton branch runs through this zone.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE G-2

Community Profile

This area is predominantly residential with about 169 single family dwellings mostly constructed between 1950 and 1960 with some pre-WWII. Dwellings range in size from 1,500 sq. ft. to 4,000sq. ft. The Holy Redeemer Hospital complex is located in the northeast corner of this zone.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The McKinley Fire Company is the first due station assigned this area located within 2 to 2.25 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 2.5 to 3 miles from this planning zone. Second due truck companies are supported by the Abington Fire Company and mutual aid with Huntingdon Valley Fire Company. Additional engines are supported by Weldon and Abington Fire Companies as well as mutual aid through Huntingdon Valley and Bryn Athyn Fire Companies.

Hazardous materials response are through the McKinley Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1.5 to 2.25 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major north/south roadways are Huntingdon Pike and Valley Road. Moredon Road is the major east/west roadway. The SEPTA and CSX NS railroad tracks formerly the Reading Railroad West Trenton branch runs through this zone.

Community Risk Assessment Ratings

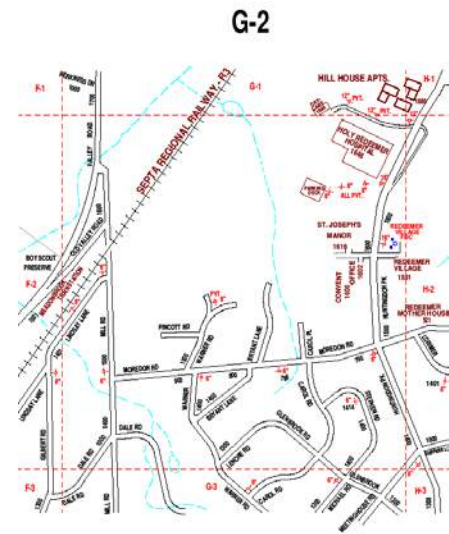
A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Medium Risk

Meadowbrook Apartments	1700 Huntingdon Pike
Happy R Wee Daycare	1501 Huntingdon Road
Holy Redeemer Hospital	1648 Huntingdon Pike
Redeemer Village	1551 Huntingdon Pike
Saint Joseph Manor	1616 Huntingdon Pike
Hill House Condominiums	1680 Huntingdon Pike

Fire Flow Concerns

The water supply within this planning zone is adequate to meet the needed fire flow.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE G-3

Community Profile

This zone is predominantly single family dwellings ranging in size from 1,700 sq. ft. to 4,000 sq. ft. The construction dates from pre-WWII to present day with the majority constructed between 1950 and 1960. There are about 500 residents living within this zone. There are two elementary schools and one medium size church within this planning zone.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The McKinley Fire Company is the first due station assigned this area located within 1.5 to 2 miles.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 2.5 to 3 miles from this planning zone. Second due truck companies are supported by the Abington Fire Company and mutual aid with Huntingdon Valley Fire Company. Additional engines are supported by Weldon and Abington Fire Companies as well as mutual aid through Huntingdon Valley and Bryn Athyn Fire Companies.

Hazardous materials response are through the McKinley Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1.5 to 2 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major north/south roadways are Meetinghouse Road and Mill Road. Susquehanna Road is the major east/west roadway.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

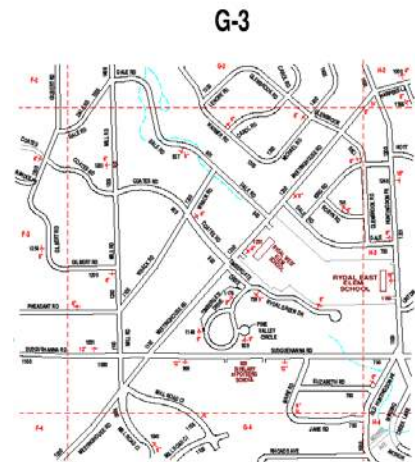
Identified Special Risks Buildings

Rydal West Elementary School	1231 Meetinghouse Road
St. Hillary of Poitiers School	920 Susquehanna Road

Identified Medium Risks

Lynch Group Homes	1381 Glenbrook Road
Allegheny Valley Schools	970 Susquehanna Road
St. Hillary Church	920 Susquehanna Road

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE G-4

G-4

Community Profile

This area is totally residential single family dwellings ranging in size from 1,700 sq. ft. to 3,500 sq. ft. Construction dates from pre WWII to present day with the majority built between 1950 and 1960. There are about 1054 residents living within this zone.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The McKinley Fire Company is the first due station assigned this area located within 2 to 2.25 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 2 to 2.75 miles from this planning zone. Second due truck companies are supported by the Abington Fire Company and mutual aid with Jenkintown Borough. Additional engines are supported by Weldon and Abington Fire Companies as well as mutual aid through Jenkintown and Rockledge Boroughs.

Hazardous materials response are through the McKinley Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1.5 to 2.25 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

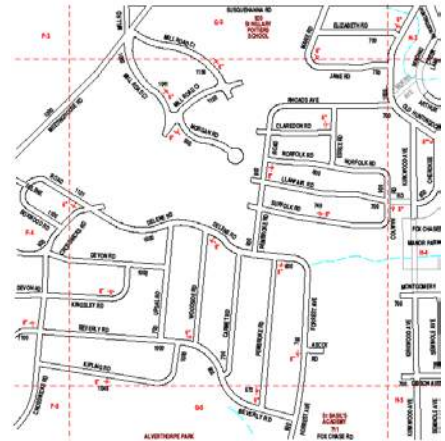
Transportation Issues

Meetinghouse Road is the major north/south roadway.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE G-5

Community Profile

This area is a mixture of single family, twin dwellings, large educational facilities and open parks. Dwellings range from 1,000 sq. ft. to 2,500 sq. ft. in size. Construction dates from pre-WWII to present with the vast majority built pre WWII. There are about 298 residents living within this zone. Also within this zone is Manor Junior College and St. Basil's Academy. Over 50% of the zone is occupied by Avelthorpe Park, the largest Abington Township Park facility.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The McKinley Fire Company is the first due station assigned this area located within .2 to .75 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 2 to 2.5 miles from this planning zone. Second due truck companies are supported by the Abington Fire Company and mutual aid with Jenkintown Borough. Additional engines are supported by Weldon and Abington Fire Companies as well as mutual aid through Jenkintown Borough

Hazardous materials response are through the McKinley Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 1.75 to 2.25 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

Forrest Avenue is the major north/west roadway in the zone. The major east/west roadways are Jenkintown Road and Fox Chase Road.

Community Risk Assessment Ratings

A risk assessment was completed on the properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Special Risks Buildings

Manor College	700 Fox Chase Road
Saint Basil's Academy	711 Fox Chase Road

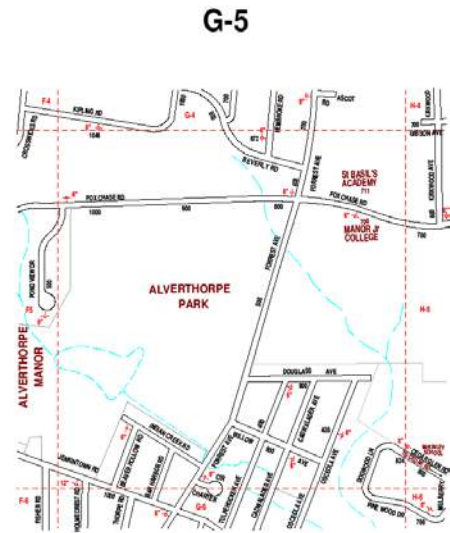
Identified Special Risks

Alverthorpe Lake within the park	498 Forrest Avenue
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Street flooding in the vicinity of Bar Harbor and Indian Creek Roads resulting in water rescue calls for service.

Fire Flow Concerns

The water supply within this planning zone is adequate to meet the needed fire flow.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE G-6

G-6

Community Profile

This area is predominantly residential single family dwellings with some twins. They range in size from 1,000 sq. ft. to 2,500 sq. ft. with construction dating mainly pre WWII. There are approximately 1,243 residents living within this zone. There is a small commercial section on Jenkintown Road and Township Line Roads. These areas consist of small retail stores, some restaurants and some light industrial.



Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The McKinley Fire Company is the first due station assigned this area located within .25 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 2 to 2.5 miles from this planning zone. Second due truck companies are supported by the Abington Fire Company and mutual aid with Jenkintown Borough. Additional engines are supported by Weldon and Abington Fire Companies as well as mutual aid through Jenkintown Borough

Hazardous materials response are through the McKinley Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 2 to 2.25 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major north/south roadway is Forrest Avenue. Jenkintown Road and Township Line Road are the major east/west arteries.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Special Risks Buildings

McKinley Fire Company	893 Jenkintown Road
Second Alarmer's Rescue Squad Elkins Park	876 Jenkintown Road

Identified Medium Risks

Elkins Park United Presbyterian Church	234 Cedar Road
Reformed Presbyterian Covenant Church	200 Cadwalder Avenue
Calvary Baptist Church	241 Cadwalder Avenue

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE H-1

Community Profile

This area is totally residential with a mixture of large single family dwellings, town houses and a large unit apartment complex contained within part of this zone. The dwellings range from 1,700sq. ft. to 4,200 sq. ft. in size. The construction is almost 100% post WWII with some recent light weight truss construction within the town houses and some single family dwellings. There are approximately 105 structures and 294 residents within this zone.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The McKinley Fire Company is the first due station assigned this area located within 2.5 to 3 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 3.5 to 4 miles from this planning zone. Second due truck companies are supported by the Abington Fire Company and mutual aid with Huntingdon Valley Fire Company. Additional engines are supported by Weldon and Abington Fire Companies as well as mutual aid through Huntingdon Valley and Bryn Athyn Fire Companies.

Hazardous materials response are through the McKinley Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 2.5 to 3 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major north/south roadway in this zone is Huntingdon Pike. The abandoned SEPTA NS CSX railroad tracks formerly the Reading Railroad Newtown branch runs through this zone. The railroad right of way has been converted from rails to trails in this zone.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

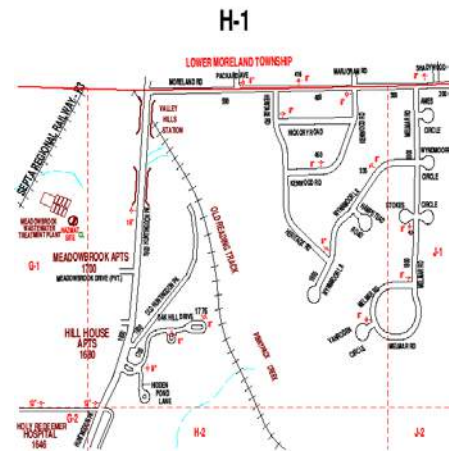
Identified Medium Risks

S.P.I.N. Group Home	904 Meadowbrook Drive
Hill House Apartments	1680 Huntingdon Pike
Meadowbrook Apartments	1700 Huntingdon Pike

Identified Special Risks

The Pennypack creek enters our township from Lower Moreland Township and runs diagonally through this zone. In heavy rain storms, tropical storms and hurricanes this creek is prone to heavy flooding.

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE H-2

Community Profile

This area is totally residential with a mixture of single family dwellings ranging from 1,500 sq. ft. to 3,000 sq. ft. and a large private residential housing complex for the Holy Redeemer Sisters. A vast majority of this zone is wooded and open land. There are approximately 79 structures in this zone with about 328 residents.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The McKinley Fire Company is the first due station assigned this area located within 2 to 2.5 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 3 to 3.5 miles from this planning zone. Second due truck companies are supported by the Abington Fire Company and mutual aid with Huntingdon Valley Fire Company. Additional engines are supported by Weldon and Abington Fire Companies as well as mutual aid through Huntingdon Valley and Bryn Athyn Fire Companies.

Hazardous materials response are through the McKinley Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 2 to 2.5 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

Huntingdon Pike is the major north/south roadway while Moredon Road provides east/west access. The railroad in this zone is abandoned and converted to trails.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Moderate Risk

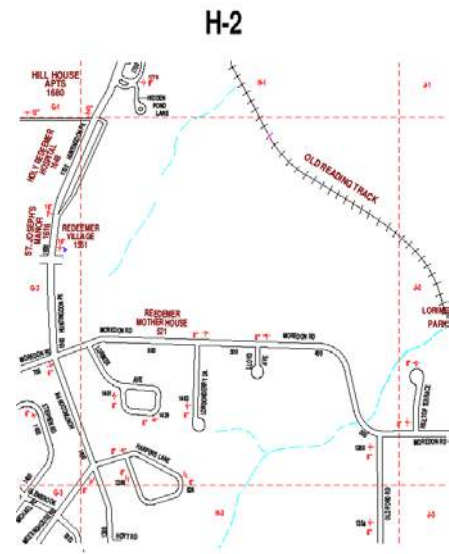
Love & Laughter Daycare Center
Holy Redeemer Mother House

1407 Huntingdon Pike
521 Moredon Road

Identified Special Risks

The Pennypack Creek runs diagonally through this zone. It is prone to heavy flooding during heavy rain storms, tropical storms and hurricanes.

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE H-3

H-3

Community Profile

This area is almost totally single family residential units ranging from 1,300 sq. ft. to 3,000 sq. ft. in size. Construction within this zone is mainly post WWII with some newer light weight truss construction. There are approximately 345 dwellings with 1015 residents living within this zone.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The McKinley Fire Company is the first due station assigned this area located within 1.5 to 2 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 3 to 3.5 miles from this planning zone. Second due truck companies are supported by the Abington Fire Company and mutual aid with Huntingdon Valley Fire Company. Additional engines are supported by Weldon and Abington Fire Companies as well as mutual aid through Huntingdon Valley and Bryn Athyn Fire Companies.

Hazardous materials response are through the McKinley Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 2 to 2.5 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

The major north/south roadway in the zone is Huntingdon Pike. Susquehanna Road is the east/west artery.

Community Risk Assessment Ratings

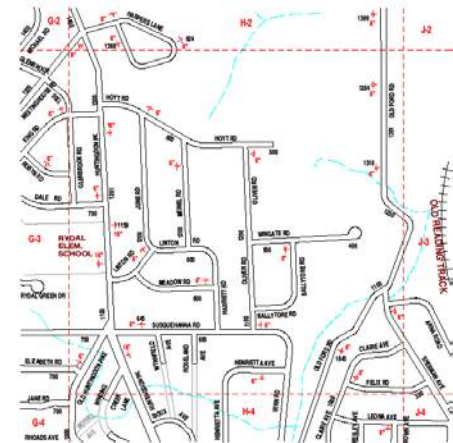
A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Special Risk Building

Rydal East Elementary School

1150 Huntingdon Pike

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE H-4

H-4

Community Profile

This zone is predominantly single family dwellings with one large strip mall shopping center with some additional stand-alone retail stores fronting on Huntingdon Pike. There are approximately 636 structures within this zone and about 1328 residents, they range in size from about 1,000 sq. ft. to 2,700 sq. ft. There is both pre and post WWII construction within this zone. A small portion of this zone borders Rockledge Borough.



Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The McKinley Fire Company is the first due station assigned this area located within 1 to 1.5 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 2.75 to 3.25 miles from this planning zone. Second due truck companies are supported by the Abington Fire Company. Additional engines are supported by Weldon and Abington Fire Companies as well as mutual aid through Rockledge Fire Company.

Hazardous materials response are through the McKinley Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 2 to 2.5 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

Huntingdon Pike is the major north/south roadway in the zone. There are no major east/west tributaries.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Medium Risks

Creative Beginnings Day Care Center	757 Huntingdon Pike
New Horizons Day Care Center	700 Cedar Road
Huntingdon Valley Shopping Center	733-821 Huntingdon Pike
Bethel Baptist Church	855 Huntingdon Pike
Huntingdon Manor Apartments	971 Huntingdon Pike

Identified Moderate Risks

Holy Redeemer Ambulatory Surgical Center	821 Huntingdon Pike
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This planning zone experienced a fire related fatality on 4/7/08 at 638 Los Angeles Avenue, a w/m 43 years.

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.

PLANNING ZONE H-5

Community Profile

This zone is predominantly residential in nature. Additionally there is a large farm operated by the Sisters of Saint Basil and two large cemeteries. A portion of this zone borders Rockledge Borough. There are approximately 282 dwellings ranging from 1,000 sq. ft. to 2,300 sq. ft. within this zone. Construction is predominantly post WWII with some townhouses built in 1980. There are about 567 residents living within this zone.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The McKinley Fire Company is the first due station assigned this area located within .251 to 1 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 2.75 to 3 miles from this planning zone. Second due truck companies are supported by the Abington Fire Company. Additional engines are supported by Weldon and Abington Fire Companies as well as mutual aid through Rockledge Fire Company.

Hazardous materials response are through the McKinley Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 2 to 3 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

Cedar Road is the major north/south roadway while Fox Chase Road provides access east and west.

Community Risk Assessment Ratings

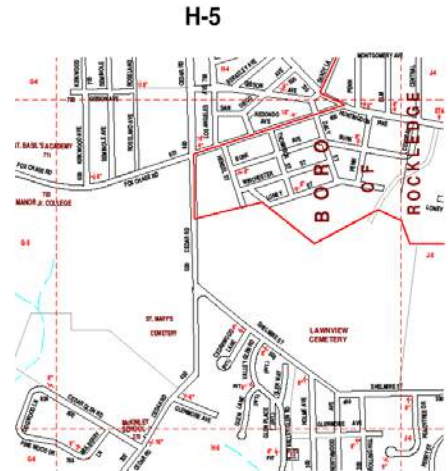
A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Medium Risks

Valley Glen Townhouses

100-400 Valley Glen Road

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE H-6

Community Profile

This area is almost totally single family residential with one large town house complex and some small retail sections on Township Line Road. Construction of the dwellings range from pre to post WWII with the town house complex constructed in 1980. There are about 269 single family dwellings ranging in size from 1,000 sq. ft. to 2,400 sq. ft. with 1095 residents living within this zone.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The McKinley Fire Company is the first due station assigned this area located within .25 to 1 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 2.5 to 3 miles from this planning zone. Second due truck companies are supported by the Abington Fire Company. Additional engines are supported by Weldon and Abington Fire Companies as well as mutual aid through Rockledge Fire Company.

Hazardous materials response are through the McKinley Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 2.5 to 3 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

Township Line road is the major east/west roadway with Cedar Road providing access north to south.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Special Risks Building

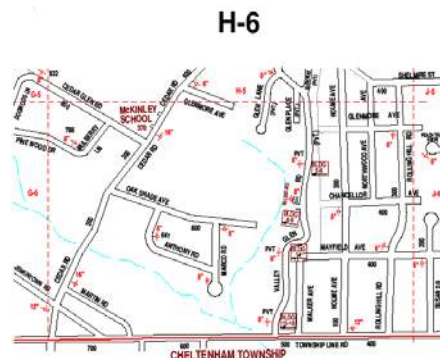
McKinley Elementary School 370 Cedar Road

Identified Medium Risk

Valley Glen Townhouses Valley Glen Road

Fire Flow Concerns

The water supply within this planning zone is adequate to meet the needed fire flow.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE J-1

Community Profile

This area is totally residential single family dwellings constructed well past WWII. The dwellings range from 1,500 sq. ft. to 4,000 sq. ft. in size. There are 193 dwellings with about 259 residents living within this zone. This zone borders Lower Moreland Township to the north and the City of Philadelphia to the east.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The McKinley Fire Company is the first due station assigned this area located within 2.75 to 3.25 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 4 to 4.5 miles from this planning zone. Second due truck companies are supported by the Abington Fire Company and mutual aid with Huntingdon Valley Fire Company. Additional engines are supported by Weldon and Abington Fire Companies as well as mutual aid through Huntingdon Valley and Bryn Athyn Fire Companies.

Hazardous materials response are through the McKinley Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 2.75 to 3.5 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

Pine Road provides access north/south while Moreland Road is oriented east/west.

Community Risk Assessment Ratings

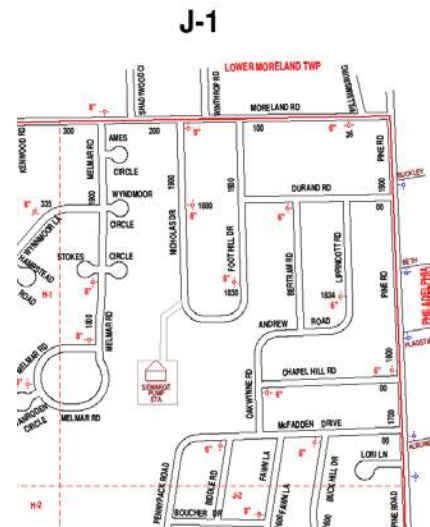
A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Special Risks

Nicholas Drive Sewage Pumping Station

1820 Nicholas Drive

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE J-2

Community Profile

This zone is a mixture of single family dwellings and a large open county park within which runs the Pennypack Creek. The dwellings range in size from 2,000 sq. ft to 3,800 sq. ft. within this zone and total 136 most of which were constructed post WWII. There are approximately 700 residents living within this zone. This area borders the City of Philadelphia to the east.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The McKinley Fire Company is the first due station assigned this area located within 2.25 to 3 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 4 to 4.5 miles from this planning zone. Second due truck companies are supported by the Abington Fire Company and mutual aid with Huntingdon Valley Fire Company. Additional engines are supported by Weldon and Abington Fire Companies as well as mutual aid through Huntingdon Valley and Bryn Athyn Fire Companies.

Hazardous materials response are through the McKinley Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 2.75 to 3.5 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

There are no major roadways in this zone. The railroad in this zone has been converted to trails.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

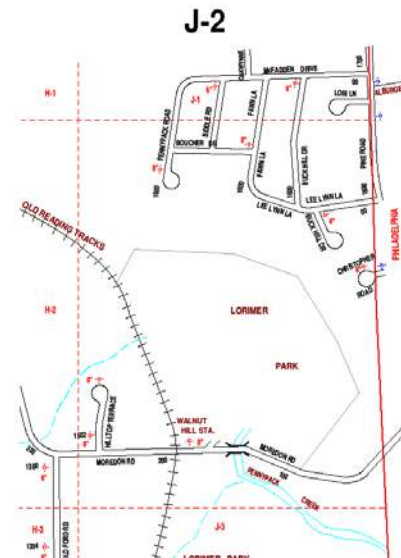
Identified Medium Risk

Montgomery Montessori School	1620 Pine Road
Temple Zion	1620 Pine Road

Identified Special Risks

During heavy rain storms, tropical storms and hurricanes the Pennypack Creek is prone to heavy flooding especially within the County Park located within this zone.

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.



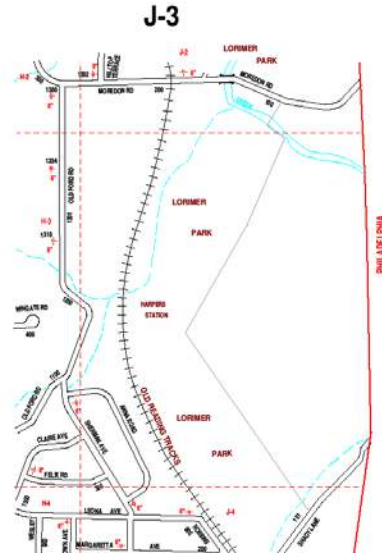
ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE J-3

Community Profile

This area is a mixture of single family residential dwellings, farm land, wooded areas and the Lorimer Park with Neshaminy/Pennypack Creek. The 61 dwellings range in size from 1,200 sq. ft. to 3,300 sq. ft. in size. Most of the dwellings were constructed post WWII. There are about 325 residents living within this zone. This area borders the City of Philadelphia on the east. A portion of this zone is the Fox Chase Farm part of which is within Abington Township, other sections of the park are County owned Lorimer Park and the City of Philadelphia. The City of Philadelphia is responsible for any issues in the farm by way of a signed agreement between the township, county and city officials.



Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The McKinley Fire Company is the first due station assigned this area located within 1.75 to 2.25 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 3.5 to 4 miles from this planning zone. Second due truck companies are supported by the Abington Fire Company. Additional engines are supported by Weldon and Abington Fire Companies as well as mutual aid through Rockledge Fire Company.

Hazardous materials response are through the McKinley Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 2.75 to 3.25 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

There are no major roadways in this zone.

Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Special Risks

During heavy rain storms, tropical storms and hurricanes heavy flooding occurs in and near the Pennypack Creek.

Fire Flow Concerns

The water supply within this planning zone is adequate to meet the needed fire flow.

ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE J-4

Community Profile

This area is residential, mostly single family dwellings with some park land, woods, fields and the Pennypack Creek Portions of the old Reading Railroad, Newtown Branch now abandoned and is being converted to rails to trails run through the area. There are about 200 single family dwellings ranging from 1,000 sq. ft. to 2,200 sq. ft. in size. Approximately 405 residents live within this zone. The zone borders the City of Philadelphia on the east and Rockledge Borough to the south.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The McKinley Fire Company is the first due station assigned this area located within 1 to 1.75 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 3.25 to 3.75 miles from this planning zone. Second due truck companies are supported by the Abington Fire Company. Additional engines are supported by Weldon and Abington Fire Companies as well as mutual aid through Rockledge Fire Company.

Hazardous materials response are through the McKinley Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 2.75 to 3.25 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

There are no major roadways in this zone.

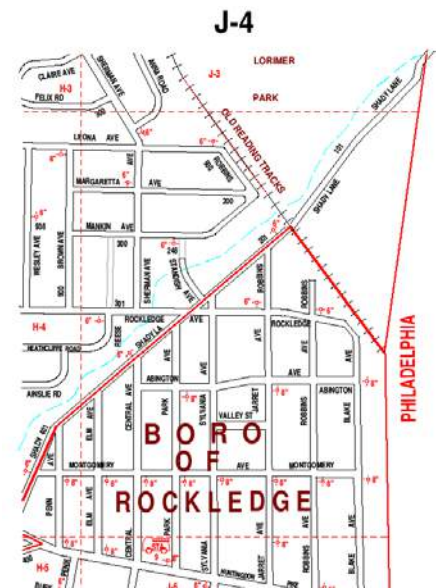
Community Risk Assessment Ratings

A risk assessment was completed on the commercial properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Special Risks

Historically, some flooding affecting rear yards and some dwellings have occurred along Shady Lane near the abandoned railroad.

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE J-5

Community Profile

This area is residential with both single family and twin dwellings. Ranging in size from 1,000 sq. ft. to 2,500 sq. ft. the dwellings were all constructed post WWII. There are approximately 286 residents living within this zone. Also within this zone is a large cemetery. This area borders the City of Philadelphia to the east and Rockledge Borough to the north.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The McKinley Fire Company is the first due station assigned this area located within 1 to 1.5 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 3.25 to 3.75 miles from this planning zone. Second due truck companies are supported by the Abington Fire Company. Additional engines are supported by Weldon and Abington Fire Companies as well as mutual aid through Rockledge Fire Company.

Hazardous materials response are through the McKinley Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 2.75 to 3.25 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

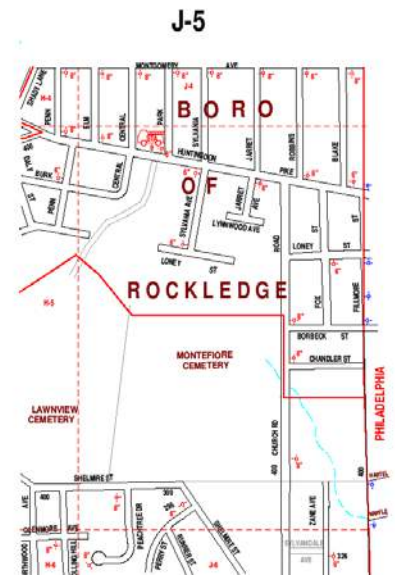
Transportation Issues

There are no major roadways in the zone.

Community Risk Assessment Ratings

A risk assessment was completed on the commercial properties within this planning zone as part of the community risk assessment using Vision Software.

Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.



ABINGTON TOWNSHIP FIRE DEPARTMENT

Community Risk Analysis and Standards of Cover

PLANNING ZONE J-6

Community Profile

This zone is predominantly residential in nature with some commercial along Township Line Road. The commercial properties include a large nursing home and individual small retail shops. There are approximately 386 dwellings in the zone constructed both pre and post WWII. Dwellings range in size from 1,000 sq. ft. to 2,500 sq. ft. There are about 1953 residents living in the zone.

Services Provided

Emergency services provided to this zone include fire, light-heavy rescue, hazardous materials response, water rescue. The McKinley Fire Company is the first due station assigned this area located within 1 to 1.5 mile.

The Company operates the first and second due engines as well as first due truck company. The Company is equipped to perform light as well as water rescues. Heavy and technical rescue services for this area are supported by the Weldon Fire Company located 3.25 to 3.75 miles from this planning zone. Second due truck companies are supported by the Abington Fire Company. Additional engines are supported by Weldon and Abington Fire Companies as well as mutual aid through Rockledge Fire Company.

Hazardous materials response are through the McKinley Fire Company with all members trained to Operations Level and supported by the Montgomery County Hazardous Materials Team with Units stationed within Abington Township at a travel distance of 2.75 to 3.25 miles. The Abington Township Fire Marshal's Office provides fire prevention, inspection and investigation services to this planning zone.

Transportation Issues

Township Line Road is the major east/west roadway in the zone.

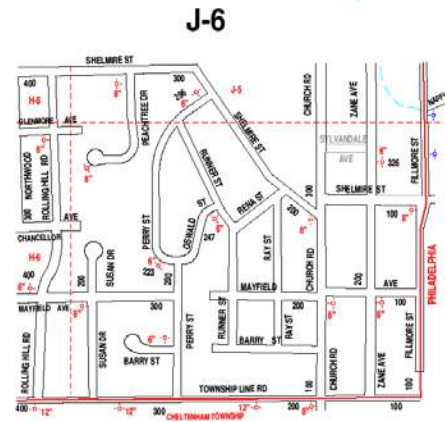
Community Risk Assessment Ratings

A risk assessment was completed on properties within this planning zone as part of the community risk assessment using Vision Software.

Identified Medium Risk

Elkins Crest Nursing Home	265 Township Line Road
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Fire Flow Concerns The water supply within this planning zone is adequate to meet the needed fire flow.



ABINGTON TOWNSHIP FIRE DEPARTMENT
Community Risk Analysis and Standards of Cover

FIRE DEATHS

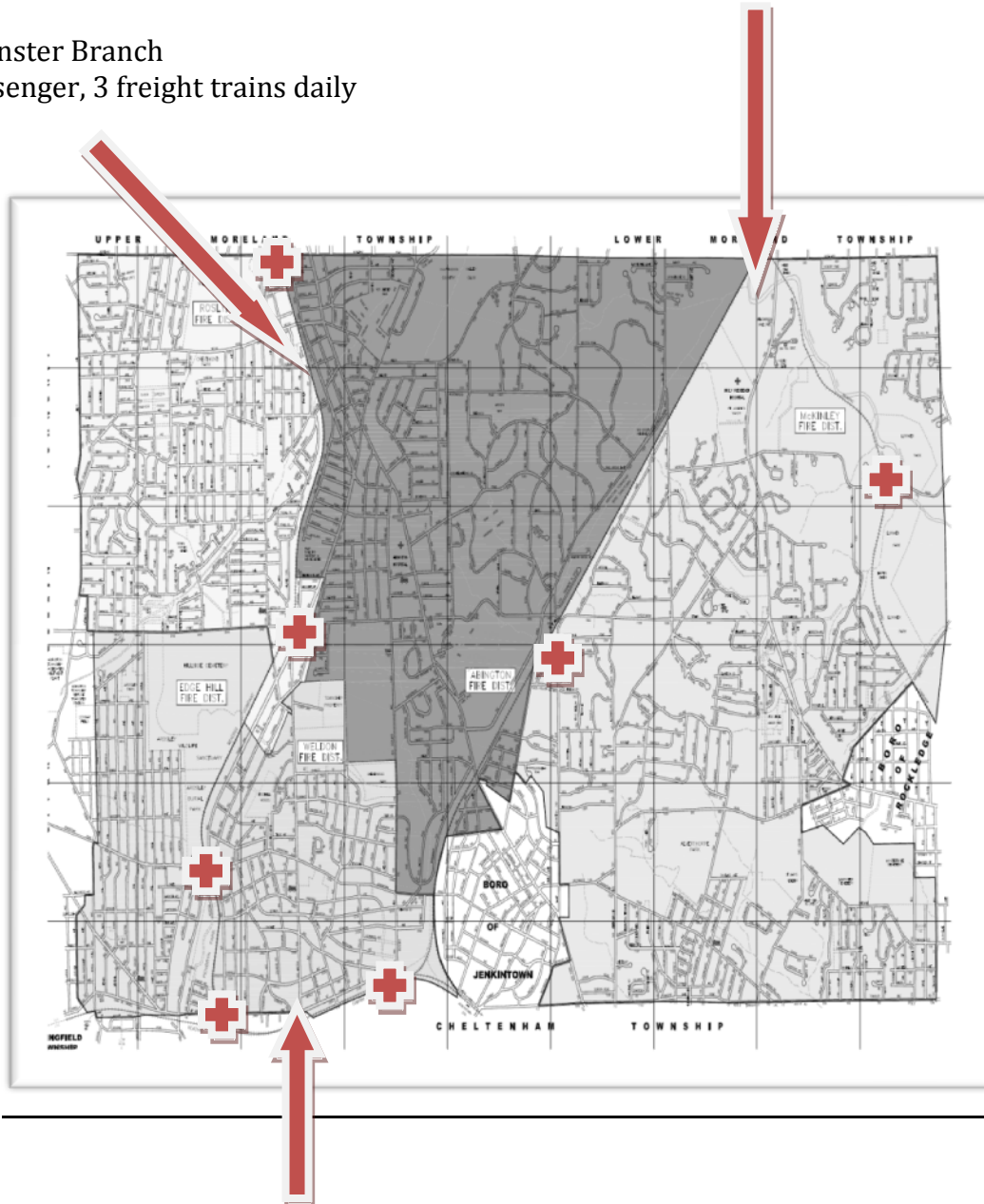
A-2	05-15-07	1227 hours	1465 Osborne Avenue APD #07-11084 W/M 82 years Suspect Electrocuted – Undetermined	S/F/D
F-4	01-08-05	0900 hours	929 Frog Hollow Terrace APD #05-1373 W/F 87 years (died 10 days after in burn center) Burner on Range Top Ignited nightgown	S/F/D
F-6	11-20-01	1304 hours	100 Old York Road, Apt 7 APD #01-61936 B/F 67 years Careless Smoking in Bed	High Rise Mixed Commercial Res Apt
A-2	05-20-00	2309 hours	2911 Kanes Avenue APD #00-29631 W/F 32 years Possible Candle – undetermined	S/F/D
B-3	07-24-99	0312 hours	2444 Woodland Road APD #99-44152 B/M – 5 B/M – 4 Jammed electric floor fan	S/F/D
A-4	12-25-97	1356 hours	948 Garfield Avenue APD #97-66581 W/M– 59 years Natural death @fire	S/F/D
A-2	12-18-07	1054 hours	1519 North Hills Avenue APD#07-062938 W/F – 87 years	S/F/D
H-4	04-07-08	112 1hours	638 Los Angeles Avenue APD#08-016962 W/M 42 years	S/F/D
A-5	07/27/17	0156 hours	635 Garfield Ave APD#17-030175 W/M 68 years	S/F/D

ABINGTON TOWNSHIP FIRE DEPARTMENT Community Risk Analysis and Standards of Cover

Railroad Branches in Abington Township

Warminster Branch
43 Passenger, 3 freight trains daily

West Trenton Branch
53 Passenger Trains Daily



Main Line (formerly Bethlehem) Branch
74 Passenger, 5 freight trains daily



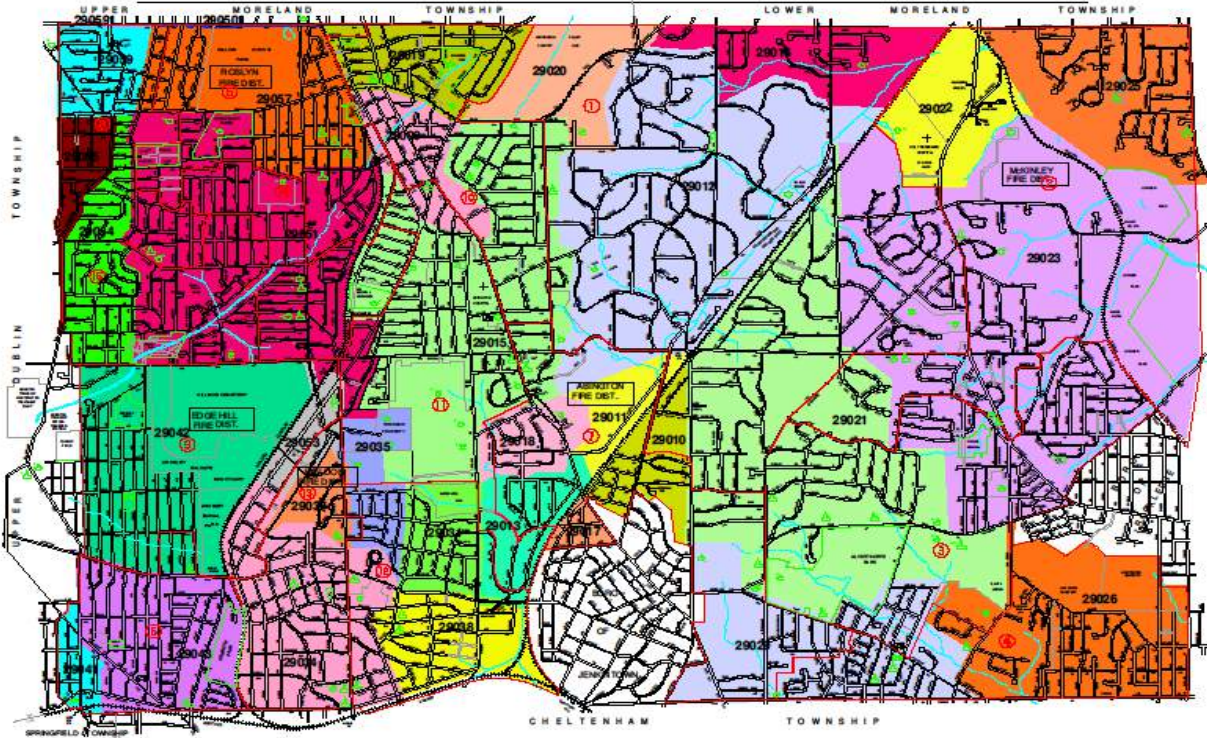
Railroad

Grade

Crossings

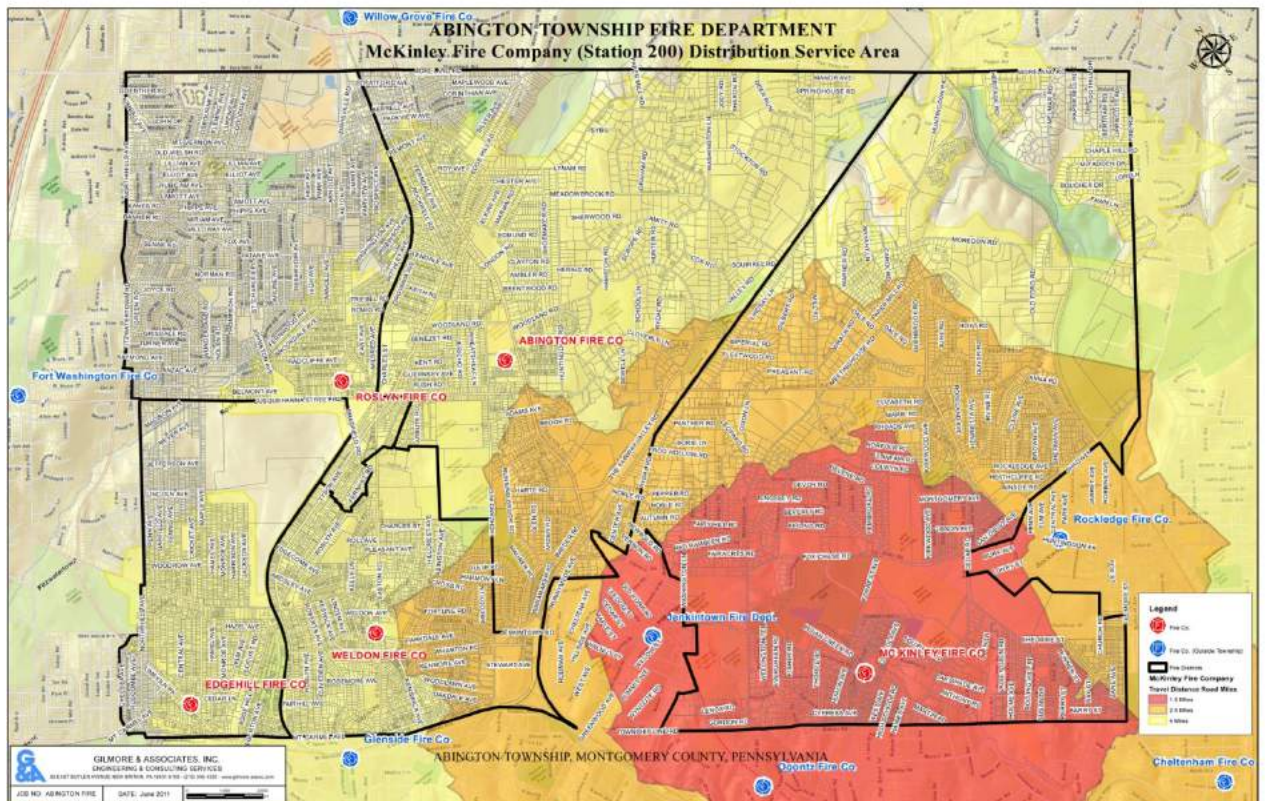
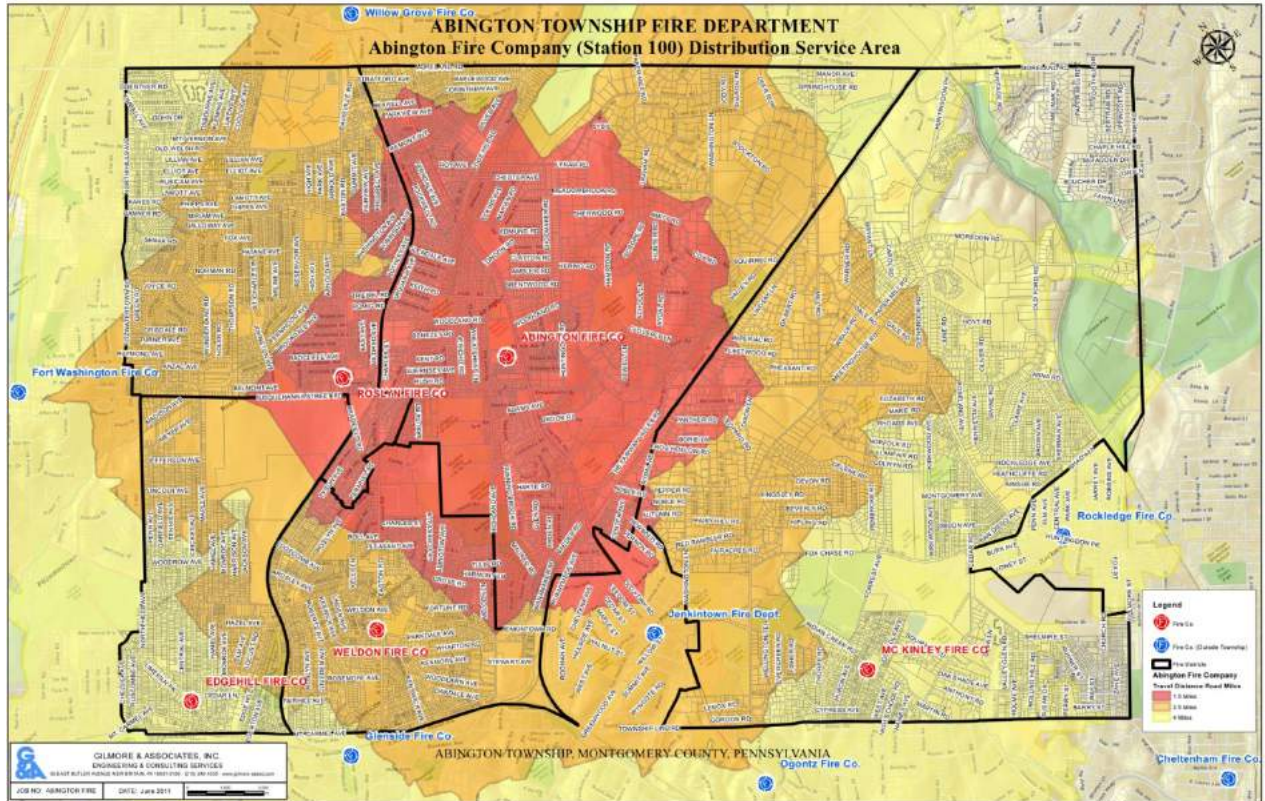
ABINGTON TOWNSHIP FIRE DEPARTMENT Community Risk Analysis and Standards of Cover

Apparatus Deployment Zone Map

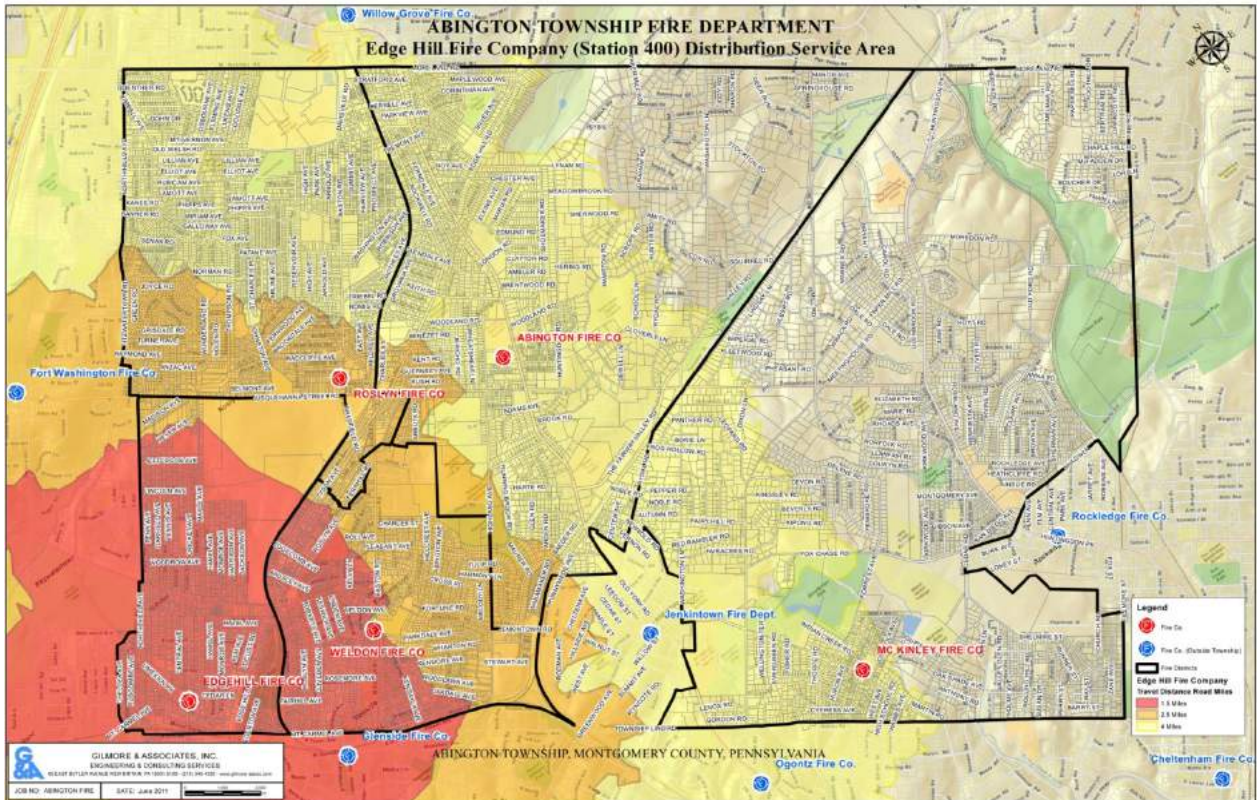
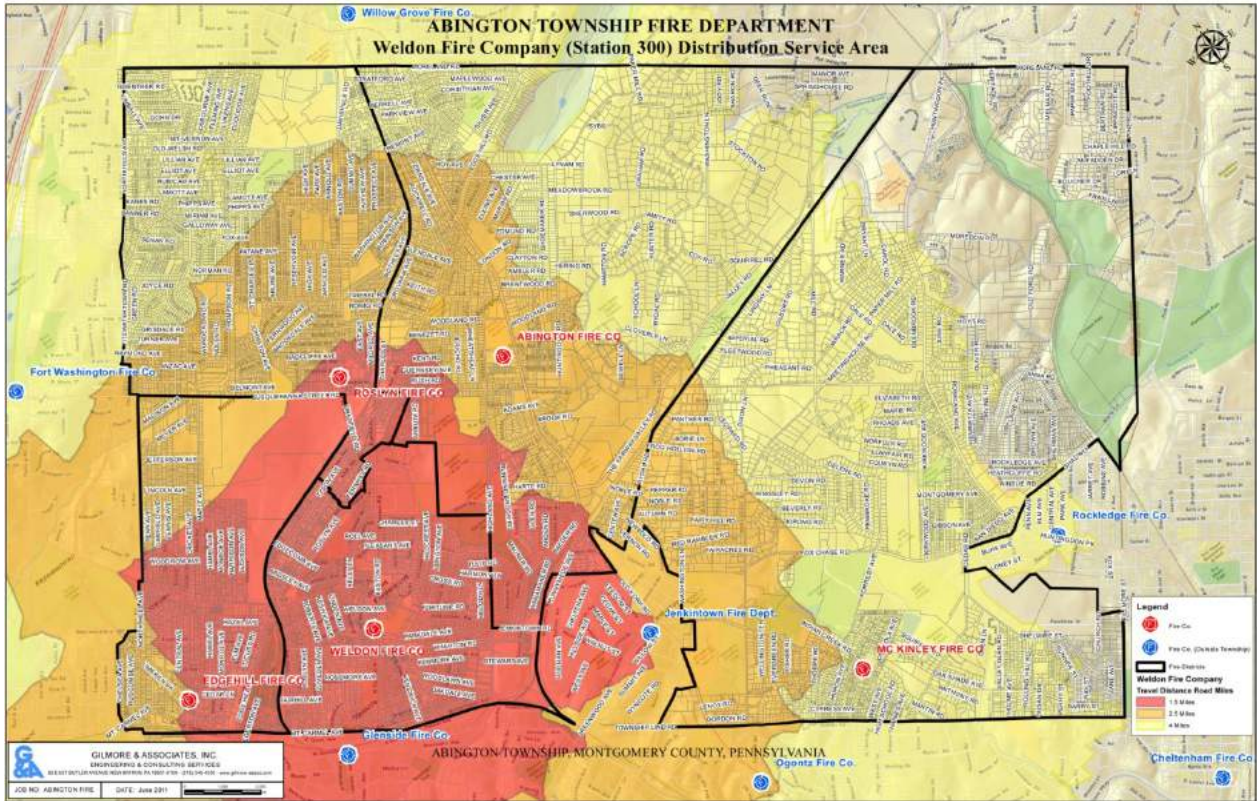


ABINGTON TOWNSHIP FIRE DEPARTMENT Community Risk Analysis and Standards of Cover

C. A.T.F.D. Distribution – Concentration Maps

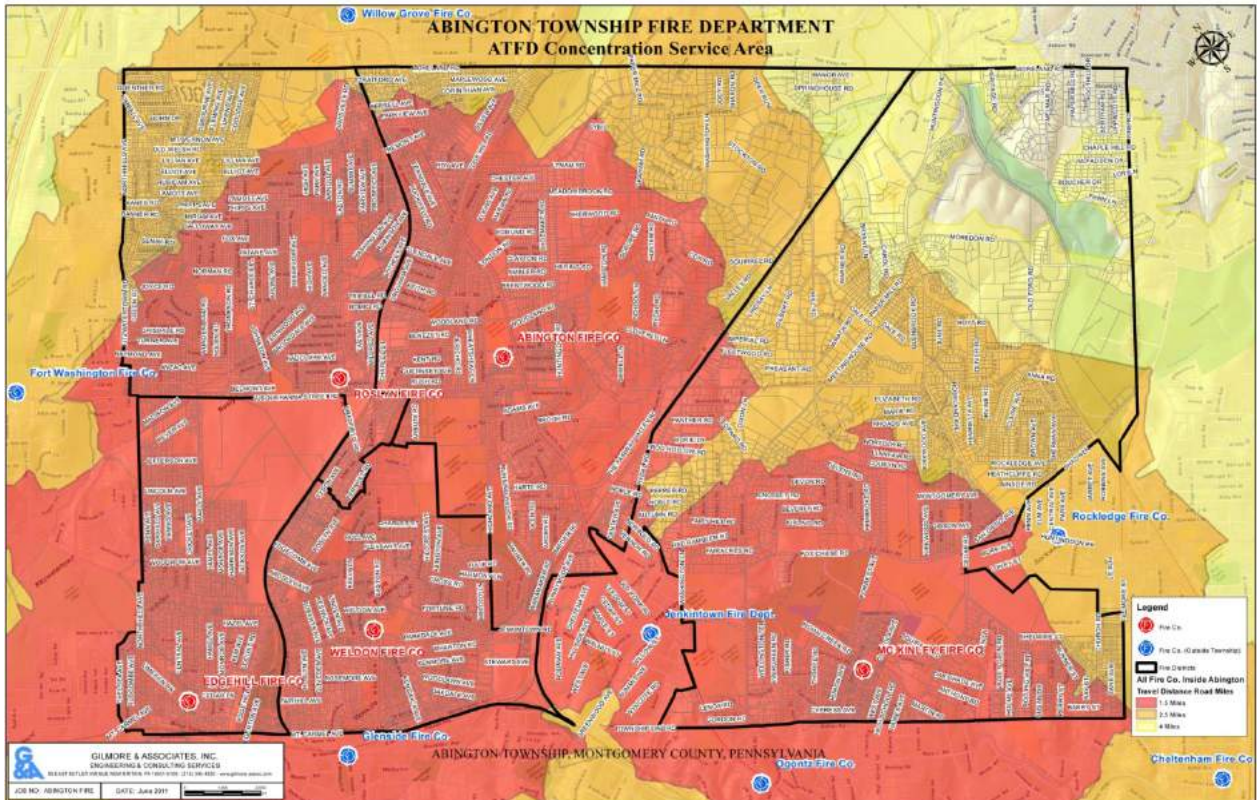
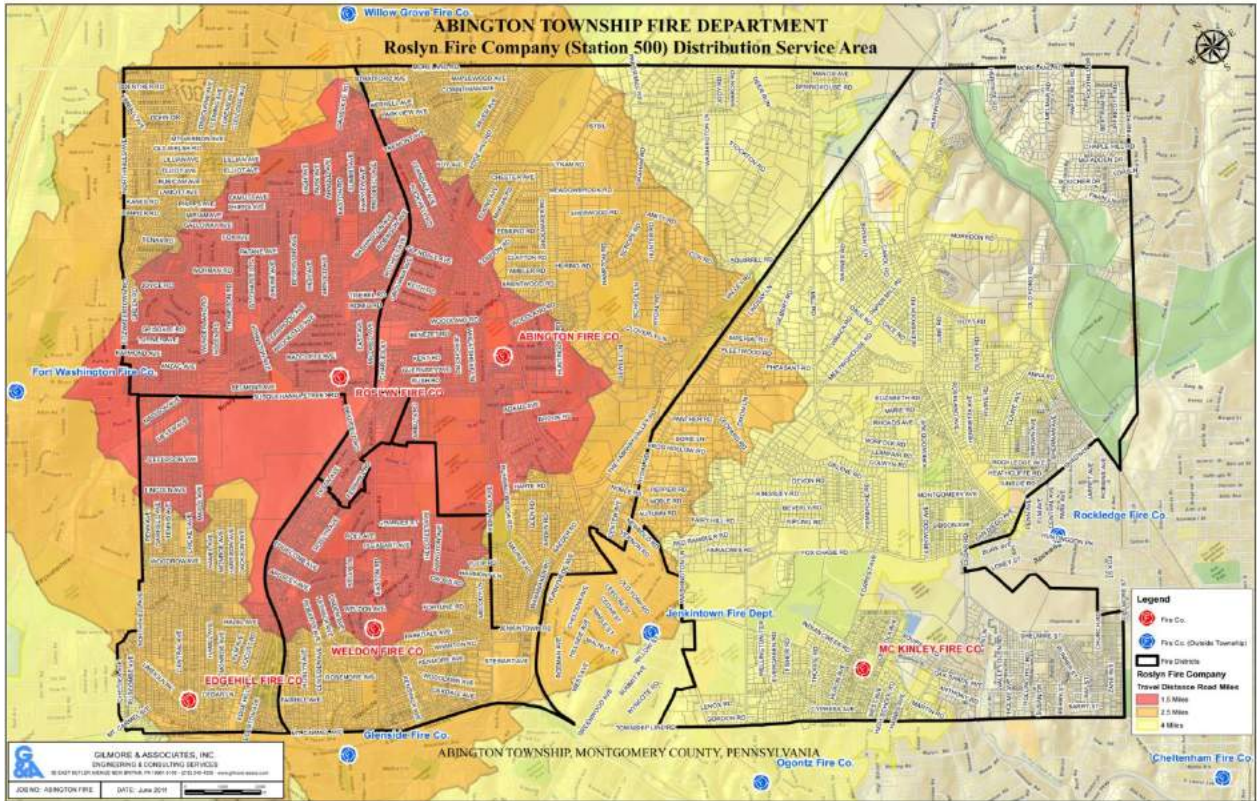


ABINGTON TOWNSHIP FIRE DEPARTMENT Community Risk Analysis and Standards of Cover

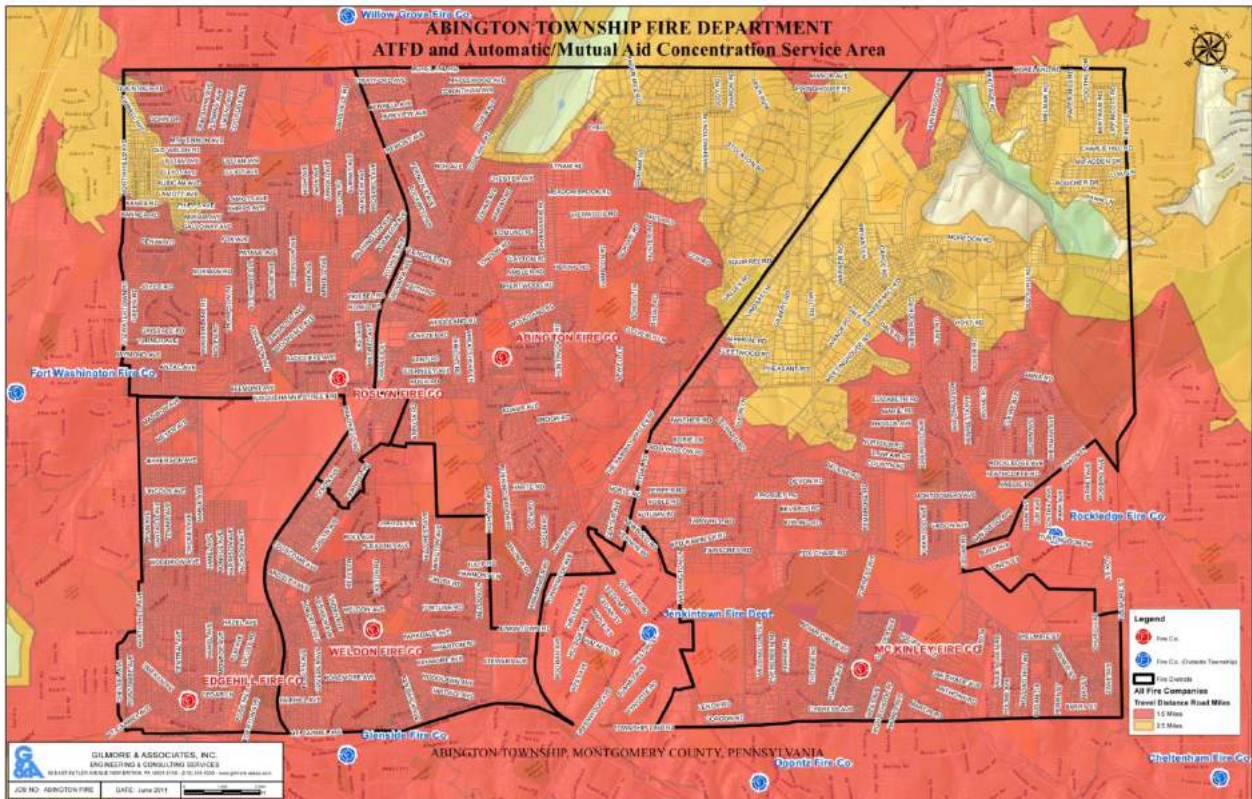
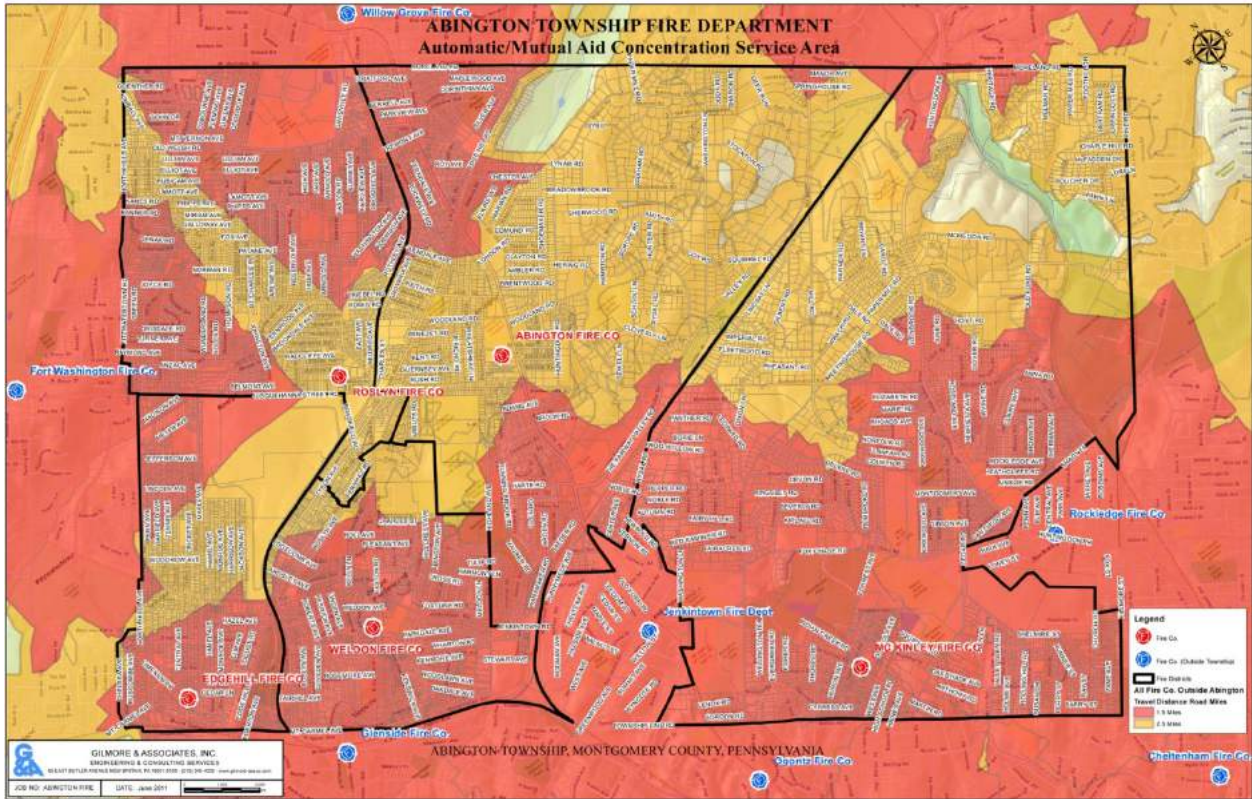


ABINGTON TOWNSHIP FIRE DEPARTMENT

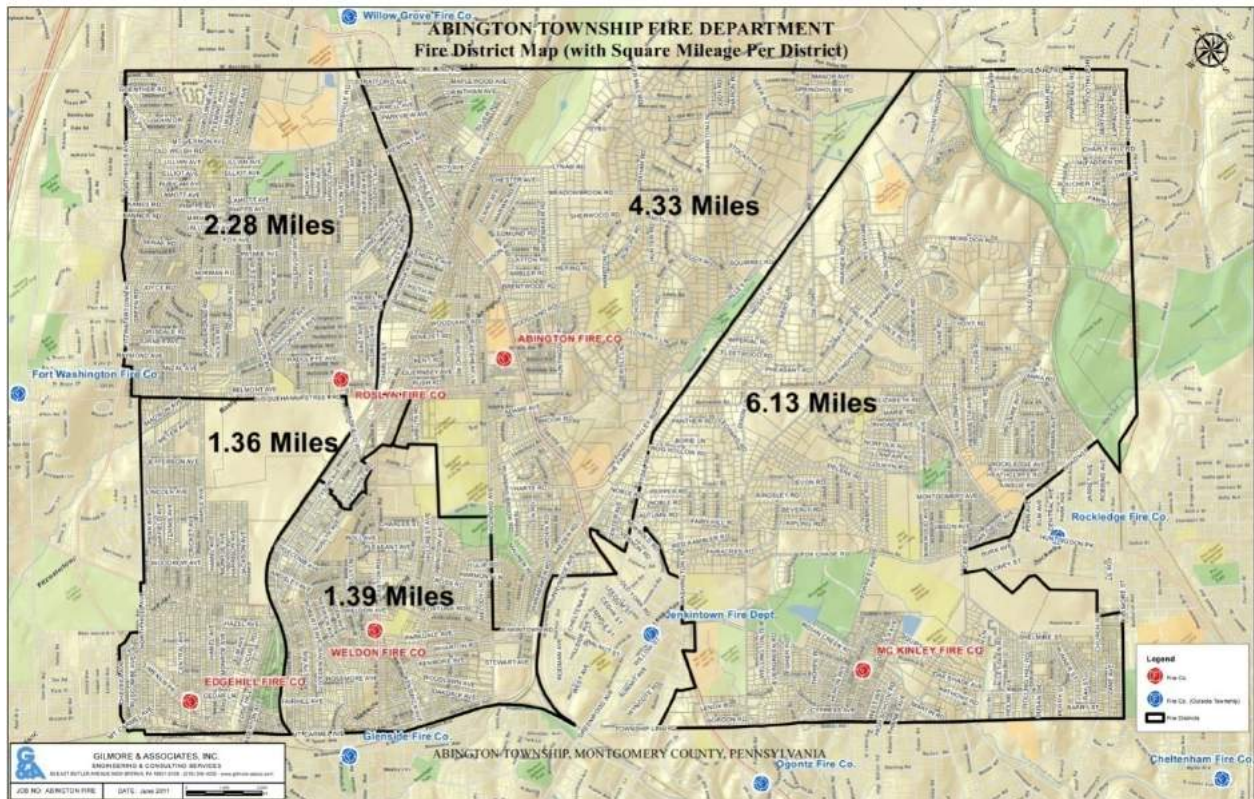
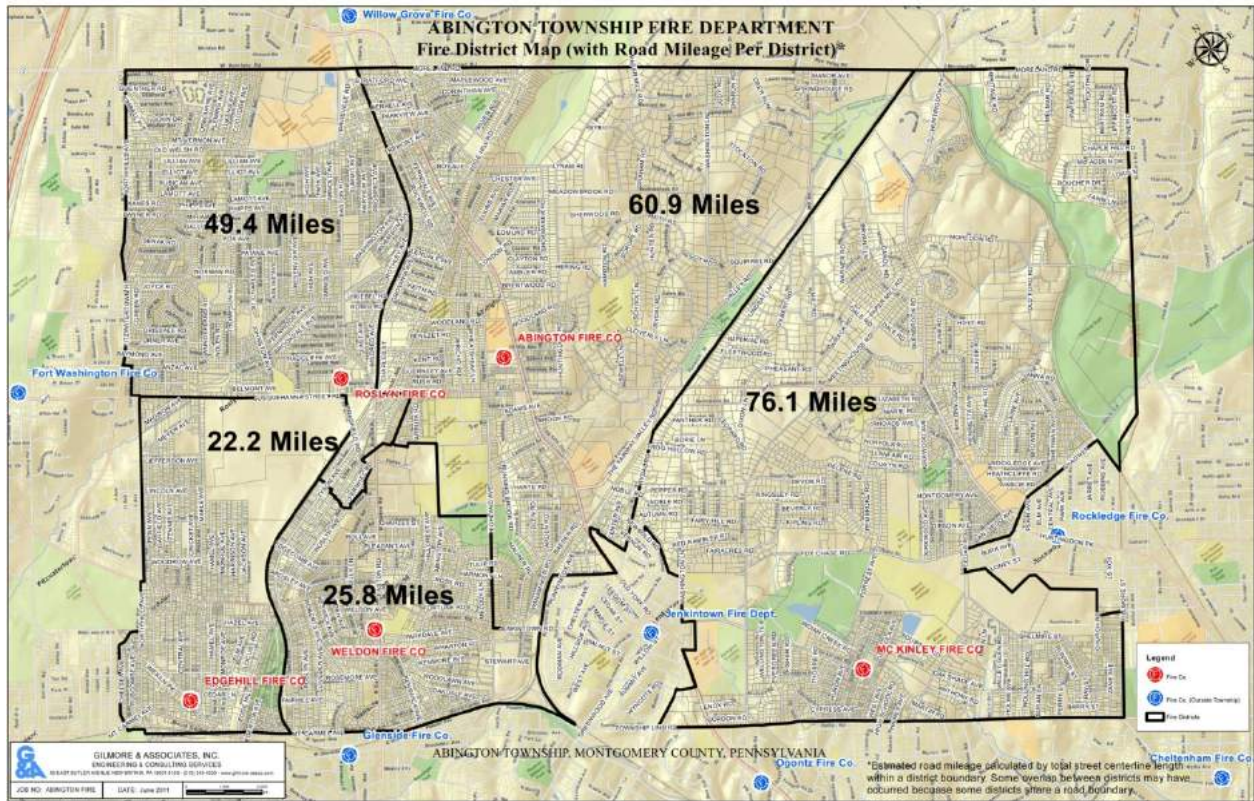
Community Risk Analysis and Standards of Cover



ABINGTON TOWNSHIP FIRE DEPARTMENT Community Risk Analysis and Standards of Cover



ABINGTON TOWNSHIP FIRE DEPARTMENT Community Risk Analysis and Standards of Cover





ABINGTON TOWNSHIP FIRE DEPARTMENT

- **STATION 100**
Abington Fire Company
1920 Horace Avenue
Abington, PA 19001
 - **STATION 200**
McKinley Fire Company
893 Jenkintown Road
Elkins Park, PA 19027
 - **STATION 300**
Weldon Fire Company
412 N. Easton Road
Glenside, PA 19038
 - **STATION 400**
Edge Hill Fire Company
2843 Limekiln Pike
North Hills, PA 19038
 - **STATION 500**
Roslyn Fire Company
1128 Bradfield Road
Roslyn, PA 19001
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