

**AVON TOWN COUNCIL
SPECIAL MEETING MINUTES
November 17, 2015**

I. CALL TO ORDER

The meeting was called to order at 7:00 p.m. at the Avon Town Hall, in the Selectmen's Chamber by Chairman Zacchio. Members present: Mrs. Maguire and Messrs: Pena, Evans, and Stokesbury.

II. PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was led by Chairman Zacchio.

III. PUBLIC HEARING: None

IV. MINUTES OF PRECEDING MEETING: None

V. COMMUNICATION FROM AUDIENCE: None

VI. COMMUNICATION FROM COUNCIL

Mrs. Maguire commented on the very nice Veterans Day ceremony that the Town had this past week that she and Mr. Pena attended. She noted that it was moved from the Town Green to Avon High School due to the inclement weather, Roaring Brook School students were there to sing, and the Town Manager made a few remarks. She added that we are one of the few towns that have school on Veterans Day and it is great because veterans go to each school for performances and speeches and a great educational opportunity for the children and meaningful day for the veterans.

Mr. Pena commented that at the last meeting he had mentioned the idea for the Lighting of the Christmas Tree. He reported that it will be held on Wednesday, December 2nd at 6:00 p.m. on the Town Green and will hopefully start a new tradition.

VII. OLD BUSINESS

15/16-14 FY 16/17 Budget: CIP Budget Presentations

a. 7:00 p.m. Police Department

Chief Mark Rinaldo and Lieutenant Kelly Walsh reported that their capital budget presentation is in two parts this year and carry over from last year. One request is the expansion of the emergency operations center and renovations to the police patrol building. He added that they are going to have Bruce Williams, Director of Public Works, present that during his capital budget presentation. He reported that the second request is our department radio system. He noted that he presented it last year and nothing has changed; they are looking to replace/upgrade their radio system. He noted that they formed a committee to look at the feasibility for opening

up a town-wide radio system which would include Police, Fire, Public Works, and Board of Education and may get some economy to scale if done this way and might be able to consolidate everything and hopefully be able to present something to you next year. He added that they put out an RFP for a radio consultant and received five responses who will be interviewed in December and select a consultant in early January. He noted that they do not know what the system is going to cost; there are estimates from \$2 million to \$10 million. He added that in the interim they are going to request \$100,000 in case the existing radio system fails so repairs can be made on a very quick basis. He noted that they are looking at a simulcast system; the Fire Department put together a proposal a few years ago. He commented that once they have cost from the consultant then they can present a phasing plan.

Chairman Zacchio clarified that the new radio system would be for all of the emergency services departments plus the Board of Education and Public Works. Chief Rinaldo responded yes, it would be a complete consolidated program. Chairman Zacchio questioned its redundancy plan around its failure. Chief Rinaldo responded that they would look for the consultant to answer that. He added that right now they have some redundancy with Farmington and Simsbury and may be part of the cost of the build out. Chairman Zacchio commented that part of the assessment will be back-up and redundancy. Chief Rinaldo noted that the State keeps talking about the regionalization but they never fund it so it does not look like it has any more traction. He added that if the cost is too high or it is not feasible to combine all of the departments then they will come back and look at what they should do within the Police Department. He noted that if something fails they will need a reserve amount for next year. He added that they have a reserve for the current year at \$20,000 for consulting fees and \$40,000 for repairs but those will likely need to be combined as the proposals received thus far ranged from \$20,000 to \$120,000 just to do the study. He noted that the committee will interview the consultants and make a recommendation to the Town Manager.

Chairman Zacchio questioned if we have any intelligence on new radio systems installed across the State with a similar approach. Fire Chief Michael Trick responded yes, with communication agreements by placing transmitters or booster units on surrounding communities; we have looked at this before on the west end with Canton and putting some redundancy in Canton. Chief Rinaldo commented that they are looking at the AT&T tower at the Landfill as in the next year or two they will have to offer it up to other carriers. He would look into if that tower would give us better coverage in that area of Town and the only other problem we would have is off the New Road side by the river. Chief Rinaldo questioned if the Fire Department has repeaters in their trucks. Fire Chief Michael Trick responded yes, they have stronger powered mobiles that will penetrate out of some of those darker areas for them. He noted that the Police's challenge is the handheld radios which are essential for the officers to communicate. Chairman Zacchio concluded that the proposal for the emergency operations center is in Public Works capital budget and a \$100,000 reserve in capital if we need radio repairs which seems prudent and the consultant. Chief Rinaldo commented that we have a radio vendor that is paid monthly for a maintenance service agreement and may be some alternatives we could use with them too.

Mr. Pena commented that last year the new nationwide 911 system was mentioned and he questioned where we are at with it. Chief Rinaldo responded that it is not included in the radio system itself; it is installed but there are problems statewide. He noted that if you call 911 now and the operators are already on the phone you will get a recording.

b. 7:30 p.m. Fire Department– a power point presentation is attached and made part of these minutes

Rob Shillington, President, Avon Volunteer Fire Department (AVFD) made the presentation. He thanked the Town Council and Town Manager for letting them be here tonight. He reported that Council will see some things that look very familiar and not a lot new in their presentation from the past two years. He noted that Fire Chief Michael Trick and Assistant Chief Bruce Appell are also in attendance. Mr. Shillington highlighted what was requested this fiscal year and what was actually approved. He highlighted the capital requests for FY 16/17. Chairman Zacchio questioned why go through the assessment process for the stations that we know need to be renovated so do we pick a station that you need the most renovation on and put that \$75,000 request at that station in terms of the renovation and keep whether we need to build a firehouse as a separate conversation. He noted that the Secret Lake fire station is too dated and too far off the beaten path for us to make the best use of.

Mr. Shillington highlighted the capital request for fire apparatus replacement as well as NFPA standards. Mr. Stokesbury questioned how a 20-year replacement policy is more conservative than the NFPA standard schedule of 15 years. Assistant Chief Appell responded that the NFPA standard just changed as it had been 20 years and are now recommending 15 years. Fire Chief Trick added that the 20-year replacement policy is more conservative in the respect that we are taking our apparatus out longer and if they are designed and well-built theoretically we could work them and we have proved that we can make the sustainability happen for approximately 25 years. Assistant Chief Appell reported that even with the two new pumpers coming online this fiscal year, out of the eight major pieces of apparatus all of them are 15 years or older. Mr. Stokesbury questioned if the current NFPA standard allow frontline responding units to be on a 20-year replacement cycle. Assistant Chief Appell responded that it is a recommended standard and not the law. Chairman Zacchio commented that we need to look at our situation specifically and the condition of our trucks and the history of their repairs and drives them to adopt what we need as appropriate to our Department and our Town's use. Assistant Chief Appell commented that a lot of it is based on more municipal departments that lack a maintenance program but they are cared for. Mr. Shillington commented that the 20-year replacement policy allows them to stretch it out in a certain way, being more conservative.

Mr. Stokesbury questioned an update on delivery of the new engines. Assistant Chief Appell responded that the first chassis is in production in Watertown; the body is in the paint shop and then electrical is next with a delivery timeframe of end of March 2016. He added that the second chassis has not been delivered yet, but it is built; as soon as it is in they will work right behind the first one with a delivery timeframe of August 2016. Mr. Stokesbury questioned the timeframe from delivery to us and being on the frontline and ready for a call. Assistant Chief Appell responded that once it is delivered it is ready to go and just a matter of our training. He noted that the first truck may take a little longer depending on the weather so we can get operators/drivers out with it. He would estimate that it would take one to two months from delivery before it is online. He added that the second truck should be able to go online immediately as it is relatively the same. Mr. Shillington commented that when the new one comes in they will focus on their primary drivers, most responsive, and get them up and trained and the others will fall into place as we go.

Mr. Shillington highlighted their request of \$75,000 for a fire station assessment. He noted that they are looking for a committee to come in and look at their four fire stations and make an assessment. He added there could also be conversations about renovating current fire stations and bringing them up to code. Chairman Zacchio commented he will look to the Town Manager's lead on which direction we should go with this. He noted that you know better than us what kinds of upgrades need to be done and amenities would make sense and if we have community buy in on trying to move forward with something like that and tonight we are talking about capital dollars and how we move forward as we put the budget together over the next few months. Mr. Evans asked if Chairman Zacchio is suggesting that we do not go forward with the facility study at all. Chairman Zacchio responded no and tonight's presentation is about the ideas of what could be in capital as we develop it the discussions we have tonight and the Town Manager will have a conversation with the Fire Department about how we approach this, in addition to what constraints we have in the capital budget moving forward. He noted that we will struggle with what dollars go where and where they make the most sense as we put together the budget. Mr. Shillington commented that they have struggled with having an assessment but will dig into it a little deeper. He noted that there is also a request for \$25,000 for maintenance to start working on fire stations more immediately.

Mr. Shillington highlighted the limitations of Company 2 (Secret Lake). Chairman Zacchio questioned what you do with that station overall as the property is owned by the Department. Mr. Shillington responded that there are ideas, perhaps strictly for fire police but have not come up with anything definitive. He noted that it becomes a matter of what we do with the other stations first. Fire Chief Trick reported that the new Engine 11 will fit into Company 2 with approximately 2" vertical and 6" length to the door.

Mr. Shillington highlighted their request under fire station improvements. He noted that the maintenance/upgrades listed are what they are aware of but there is probably more but they would not know without having each facility assessed. Mr. Stokesbury questioned if the maintenance work listed for Company 4 includes the mold issue in the basement. Mr. Shillington responded that the lower level cooling system would help with some of that. He noted that there are still items outside from a drainage perspective that would need to be looked at and repaired. Mr. Stokesbury questioned if that reinforcement of bay floors a partner requirement to the new trucks. Mr. Shillington responded yes. He reported that the new Engine 11 is approximately 3,500 lbs. heavier than the existing Engine 7 that currently sits at Company 4 with the brush truck. He added that the floor should really have some reinforcement, according to what they have seen to hold that truck with less of a liability or risk. He noted that currently, based on the new standards as well, the current Engine 7 is also too heavy at this point. Fire Chief Trick commented that they have engineering reports that they are continuously looking at and the Town Manager has as the most recent copy as well. He noted that they are looking to the engineers to tell them what the design code parameters are. Mr. Shillington commented that there is a weight issue. Chairman Zacchio clarified it is a weight issue based on the new engineering standard. Mr. Shillington commented that they built the apparatus that they need and not built around a station. He noted that the request for this item is \$25,000 and the thought is to run this consecutively with the needs assessment at the same time which would take several years. Fire Chief Trick noted that they also based this on talking to the Simsbury Volunteer Fire Department who had a consultant look at their stations and found out that they only paid

approximately \$20,000 to have theirs done. He added that if we could find a generous participant to help them out with this they could possibly fund it for as low as that.

Mr. Shillington highlighted their request under fire service equipment at approximately \$1,095,000. He noted that they will need to start replacing self-contained breathing apparatus (SCBA) cylinders in FY 19/20. Chairman Zacchio questioned how we approached the last round of SCBA cylinders. Fire Chief Trick responded that we broke into two programs and funded the first half, ordered them, and in the second year they took delivery when they had the full amount to cover it. Chairman Zacchio commented that we talked about doing the same thing now or even over a three-year period. Fire Chief Trick commented that there are a few things driving the price. He noted that Scott is coming out with a new model in 2018 and 2019. He added that many of our surrounding communities have gone to 4,000 PSI cylinders versus 3,000 PSI with more pressure, they are lighter with the same or greater air. He reported that the Simsbury Volunteer Fire Department just received a partial grant to do their replacement of all of their air packs which took approximately one-third of the cost off the top of their full replacement program. He noted that they are going to actively look at these programs. He added that they are going to re-do what they did with the first program and do a re-evaluation, bring in all of the manufacturers, reassess and reappraise their need.

Mr. Stokesbury questioned if they can phase in the new cylinders while half the force still has old cylinders. Fire Chief Trick responded yes, they will make this program work as best they can. He noted that the only problem with that situation is that you will have an excess of 200 cylinders that will have to be maintained and tracked if they start purchasing the cylinders. He noted that they are starting to see a slight increase in their cost of maintenance for the current cylinders and they have an annual recertification of the cylinders which is a requirement and in that they find issues that can be very easily corrected by the technician. Mr. Stokesbury questioned what 183 cylinders represent. Fire Chief Trick responded that there is one cylinder for every seated position in our apparatus, their Captains and Chief Officers are each issued one; there are ten training packs that are rotated for people who miss class so none are offline and that includes a primary and backup bottle as it gives them a reserve. Mr. Stokesbury questioned if they are fitted to a firefighter. Fire Chief Trick responded that each firefighter has their own personal mask. Mr. Pena questioned where the grant money came from that Simsbury received. Fire Chief Trick responded that it was a federal grant.

Mr. Stokesbury questioned that if the Fire Department has particular good photographs from the photo opportunities at the Live Fire Training Facility ground breaking ceremony if we can get them to the Avon Historical Society it would be nice. Fire Chief Trick responded that they can do that. Mr. Stokesbury commented that they can go to the Library Historical Room and tag who is in the photographs it will help for preservation purposes.

Mr. Shillington thanked Council for their support this year which has been tremendous and they appreciate it very much. He noted that some Council members have attended their corporation meetings and it is great to have that interaction. Council thanked the Fire Department. Fire Chief Trick announced that tomorrow they are having a joint meeting of the Capital Region Fire Chiefs Association and Hartford County at Company #1, traditionally with a Thanksgiving dinner, and he cordially invited Council to attend.

15/16-24 Appointment: Youth Services Advisory Board (R – 12/31/2015)

On a motion made by Mr. Stokesbury, seconded by Mrs. Maguire, it was voted:

RESOLVED: That the Town Council table agenda item 15/16-24 Appointment: Youth Services Advisory Board (R – 12/31/2015) to the December 3, 2015 meeting.

Mrs. Maguire, Messrs: Zacchio, Pena, Evans, and Stokesbury voted in favor.

15/16-25 Appointment: Avon Water Pollution Control Authority (U - 12/31/2018)

On a motion made by Mr. Pena, seconded by Mr. Evans, it was voted:

RESOLVED: That the Town Council table agenda item 15/16-25 Appointment: Avon Water Pollution Control Authority (U – 12/31/2018) to the December 3, 2015 meeting.

Mrs. Maguire, Messrs: Zacchio, Pena, Evans, and Stokesbury voted in favor.

VIII. NEW BUSINESS

15/16-26 Supplemental Appropriation: State of CT Department of Education Youth Services Bureau Grants, \$19,817

Chairman Zacchio reported that this is an appropriation that we receive every year.

On a motion made by Mr. Evans, seconded by Mr. Pena, it was voted:

RESOLVED: That the Town Council hereby recommends that the Board of Finance amend the FY 15/16 Budget by increasing:

REVENUES

General Fund, Intergovernmental, Youth Services Bureau Grant, Account #01-0330-43383 in the amount of \$19,817.00 and increasing

APPROPRIATIONS

General Fund, Human Services, Service & Consultant, Account #01-4203-52184 in the amount of \$19,817.00 for the purpose of funding expenditures, which will be reimbursed through approved State of Connecticut Department of Education Youth Services Bureau Grants.

Mrs. Maguire, Messrs: Zacchio, Pena, Stokesbury, and Evans voted in favor.

15/16-27 Approval of Real Estate Tax Refunds, \$2,573.28

Chairman Zacchio reported that these motor vehicle tax refunds were paid twice. He commented that it seemed to be very expensive for motor vehicle tax bills. The Town Manager responded that he would check into it tomorrow with the Collector of Revenue.

On a motion made by Mr. Pena, seconded by Mr. Evans, it was voted:

RESOLVED: That the Town Council approves motor vehicle tax refunds to the following: Financial Service Vehicle Trust \$1,197.22 and ARI Fleet Lt \$1,376.06.

Mrs. Maguire, Messrs: Zacchio, Pena, Stokesbury, and Evans voted in favor.

IX. TOWN MANAGER'S REPORT/MISCELLANEOUS: No items on the agenda.

X. EXECUTIVE SESSION: No items on the agenda.

XII. ADJOURN

On a motion made by Mr. Evans, seconded by Mr. Pena, it was voted:
RESOLVED: That the Town Council adjourn the meeting at 7:50 p.m.
Mrs. Maguire, Messrs: Zacchio, Pena, and Stokesbury voted in favor.

Attest:

Ann L. Dearstyne, Town Clerk



Avon Volunteer Fire Department

2016 – 2017
Capital Improvement Presentation
Proposal to Town Council
November 17, 2015

Avon Volunteer Fire Department *Requested Last Year for 2015/2016*

	<u>Requested</u>	<u>Approved</u>
1. Fire Apparatus Replacement	\$ 450,000	\$ 400,000
2. Fire Station Replacement and Renovation Study	\$ 50,000	\$ 0
3. Training Facility	\$ 200,000	\$ 200,000
4. Radio System Upgrades	\$ 150,000	\$ 0
Total:	\$ 850,000	\$ 600,000

Avon Volunteer Fire Department

Rationale for Capital Requests

The Avon Volunteer Fire Department must have the ability to achieve the mission of our organization. By achieving the core actions in our mission statement, below, the AVFD is able to contribute significantly in reducing the level of risk for the Town of Avon and most importantly for the residents within our community.

- Life Safety
- Fire Prevention
- Fire Suppression
- Rescue Support
- Other Emergency Services supporting town residents

Without the essential funding for equipment, training, and facilities that the Avon Volunteer Fire Department requires to fulfill its mission; the community is accepting an unknown level of risk. The risk that the required level of protection within our community, at times, may not be adequate and in line with the AVFD and community expectations.

The AVFD will continue to monitor the bigger picture and as the needs of our community changes, we will refine our department mission statement to support those changes.

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Avon Volunteer Fire Department

Summary of 2016/2017 Capital Requests

1. Fire Apparatus Replacement	\$	400,000
2. Town Sponsored Building Committee Tasked To Lead All Station Needs Assessment	\$	75,000
3. Fire Station Improvements FY 2016	\$	25,000
Total:	\$	500,000

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Avon Volunteer Fire Department Capital Requests

FIRE APPARATUS REPLACEMENT

4

NFPA 1901: Standard for Automotive Fire Apparatus (2009 Edition)

- “ Because the changes, upgrades, and fine tuning to NFPA 1901, *Standard for Automotive Fire Apparatus*, have been truly significant, especially in the area of **safety**, fire departments should **seriously consider** the value (or risk) to fire fighters of keeping fire apparatus older than 15 years in first-line service.”
- “It is recommended that apparatus greater than 15 years old that have been properly maintained and that are still in serviceable condition be **placed in reserve status** and upgraded in accordance with NFPA 1912, *Standard for Fire Apparatus Refurbishing*, to incorporate as many features as possible of the current fire apparatus standard.”
- “Apparatus that were not manufactured to the applicable NFPA fire apparatus standards or that are **over 25 years old should be replaced.**”

Source: NFPA 1901, Annex D Guidelines for First-Line and Reserve Fire Apparatus, D.1 General (1901-176).

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Fire Apparatus Replacement

Other Considerations for Determining Useful Life

- Vehicle mileage
- Engine hours
- Quality of the preventative maintenance
- Quality of the driver training programs
- Whether the apparatus was manufactured on a custom or commercial chassis
- Quality of the components used
- Availability of replacement parts

Source: NFPA 1901, Annex D Guidelines for First-Line and Reserve Fire Apparatus, D.2 How the Standards have Changed (1901-176).

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Fire Apparatus Replacement

Considerations for 2016/2017 Budget and Beyond

- Reaffirm Authorization of **\$400,000** in 2016/2017 budget year
- Continued planning and annual funding of apparatus replacement per the accelerated schedule through fiscal year 2029/2030
- Adoption of a 20-year replacement policy for apparatus after all equipment in current fleet have been replaced
 - Offers more consistent, reliable long-term replacement plan
 - Is more conservative than the NFPA standard of 15 years for front-line responding units
 - Annual “allowance” in today’s dollars for future apparatus replacement estimated to be **\$350,000** per year (beginning in fiscal year 2027/2028)
 - AVFD will maintain and manage the developed apparatus replacement schedule

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Avon Volunteer Fire Department Capital Requests

PROPOSED FIRE STATION & EXISTING FIRE STATION ASSESSMENT

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Fire Station Assessment

Considerations for 2016/2017 Budget

- Approve \$75,000 for a formal facilities study of all four fire stations. Requested funding would be used to produce an endorsed fire station declaration of need and comprehensive station design by a town driven building/planning committee, certified architect and engineer experienced in fire station planning and safety.
 - Needs Assessment and Deliverables to include:
 - **Go/no go** recommendation for construction of **replacement fire station**
 - Recommended **renovations** for existing fire stations
 - Construction/renovation **costs**, and
 - A **timeline** for construction/renovations



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Fire Station Assessment

Limitations of Current Company 2 Fire Station (continued)

- Secret Lake Road
 - Narrow, privately owned road not maintained by the Town
 - Significant rainfall can cause Secret Lake to flow over the road making the fire house **inaccessible** from the Avon side
 - Speed control measures in neighborhood impede response time for personnel going to and apparatus leaving the fire house
 - Responding apparatus must **come to a complete stop** before each speed hump before proceeding over at 5-10 mph



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Fire Station Assessment

Limitations of Current Company 2 Fire Station (continued)

- Secret Lake Road



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Fire Station Assessment

Limitations of Current Company 2 Fire Station (continued)

- Secret Lake Road



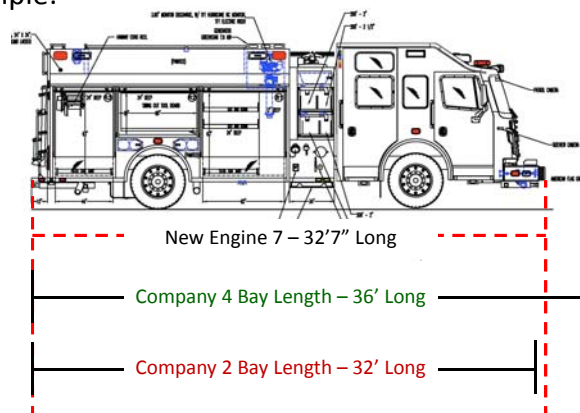
Photo Credit: Secret Lake Association Facebook Page. August, 2011

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Fire Station Assessment

Limitations of Current Company 2 Fire Station (continued)

- Fire house size
 - Too small to accommodate modern apparatus
 - Example:

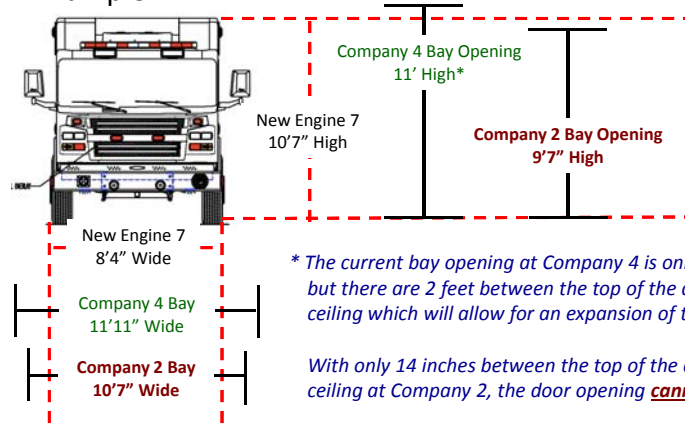


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Fire Station Assessment

Limitations of Current Company 2 Fire Station (continued)

- Fire house size
 - Too small to accommodate modern apparatus
 - Example:



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Avon Volunteer Fire Department Capital Requests

FIRE STATION IMPROVEMENTS

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Fire Station Improvements

Facility Upgrades and Maintenance

- Due to the age of the fire house facilities, many significant repairs and/or replacements will be necessary to maintain the firehouses in the coming years:

Facility	Age (Years)	Upgrades/Maintenance
Company 1 (Darling Drive)	37	<ul style="list-style-type: none"> Replacement of 10 original windows on the main level Replace boiler/furnace Replace exterior concrete steps Remove wall length glass in rear of building; insulate and add windows
Company 2 (Secret Lake)	50+	<ul style="list-style-type: none"> Roof replacement Outside drainage

- Total estimated cost for facility maintenance: **TBD**

**Can defer or avoid some upgrades to Company 2 if a replacement fire station is approved.*

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Fire Station Improvements

Facility Upgrades and Maintenance

- Due to the age of the fire house facilities, many significant repairs and/or replacements will be necessary to maintain the firehouses in the coming years:

Facility	Age (Years)	Upgrades/Maintenance
Company 3 (W. Avon Road)	42	<ul style="list-style-type: none"> Replace boiler/furnace Apparatus ventilation system
Company 4 (Huckleberry Hill)	42	<ul style="list-style-type: none"> Lower level cooling system Reinforce apparatus bay floors Roof replacement

- Total estimated cost for facility maintenance: **TBD**

**Can defer or avoid some upgrades to Company 2 if a replacement fire station is approved.*

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Fire Station Improvements

Considerations for 2016/2017 Budget

- While the fire station building committee is being established, approve \$25,000 to begin work on maintenance and/or upgrades at the existing fire stations.
 - All of our fire stations are aging and are in need of renovation.
 - The needs of the department have changed and the existing stations do not provide enough office space or storage.
 - The full cost associated with renovating the fire stations is not completely known at this time and requires more thorough analysis of our needs, and the future needs of the Department.
- Focus improvements at Company 1, 3 and 4 until decision on replacement of Company 2 has been made.
- Additional \$25,000 for improvements may be requested in 2017/2018 capital budget.

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Avon Volunteer Fire Department Long Term Projects

FIRE SERVICE EQUIPMENT

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Fire Service Infrastructure and Equipment Long Term Projects

- Self-Contained Breathing Apparatus (SCBA)
 - Purchased all new respiratory protection in 2005
 - **Required** to replace 183 SCBA cylinders FY 2019/2020 through FY 2021/2022
*"All composite SCBA cylinders have a **maximum service life of 15 years**, provided they are hydrostatically re-tested on a regular basis in accordance with DOT regulations.*
*At the end of the 15 year service life, **composite cylinders must be removed from service and destroyed** (to ensure that they cannot be used again)."*
 - Planning to replace cylinders and entire respiratory protection system (air packs)
 - Estimated replacement cost: **\$1,095,000**



Source: U.S. Fire Administration Special Report: Prevention of Self-Contained Breathing Apparatus Failures, Nov 2001.
<http://www.usfa.fema.gov/downloads/pdf/publications/tr-088.pdf>

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Avon Volunteer Fire Department Capital Requests

**ON BEHALF OF OUR MEMBERS,
THANK YOU FOR YOUR CONTINUED SUPPORT**

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Avon Volunteer Fire Department Capital Requests

APPENDIX

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Fire Apparatus Replacement Schedule

Major Apparatus	Response Type	Model Year	Recommended Replacement (NFPA)	Planned Replacement
Engine 7 ⁽¹⁾	Primary	1989	2004	2016
Engine 11	Reserve	1984	2009	2016
Rescue 8	Primary	1988	2003	2018
Engine 9	Primary	1993	2008	2018
Tanker 5	Primary	1996	2011	2021
Engine 10 ⁽²⁾	Primary	2001	2016/2021	2025
Engine 14	Primary	2001	2016	2025
Ladder 12	Primary	2001	2016	2029

⁽¹⁾ Funding for Engine 7 and Engine 11 replacement approved and planning currently underway for Q2 CY 2016 delivery.

⁽²⁾ Engine 10 is the only existing apparatus that could replace Engine 11 as a reserve engine at Company 2.

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Fire Apparatus Replacement Schedule

Support Apparatus	Response Type	Model Year	Suggested Replacement	Planned Replacement
Truck 6	Fire Police	1989	2004	2016
Truck 16	Fire Police	1995	2010	2017
Truck 17	Training	2001	2016	2015
Brush 15	Brush Truck	2002	2017	2024
Truck 18 ⁽¹⁾	Utility/Training	2005	2020	2020
Car 19 ⁽²⁾	Duty Officer	2007	2022	2025

(1) Truck 17 & 18 were purchased by the AVFD Corporation but is used regularly for incident responses and to transport personnel to training in town and out-of-town.

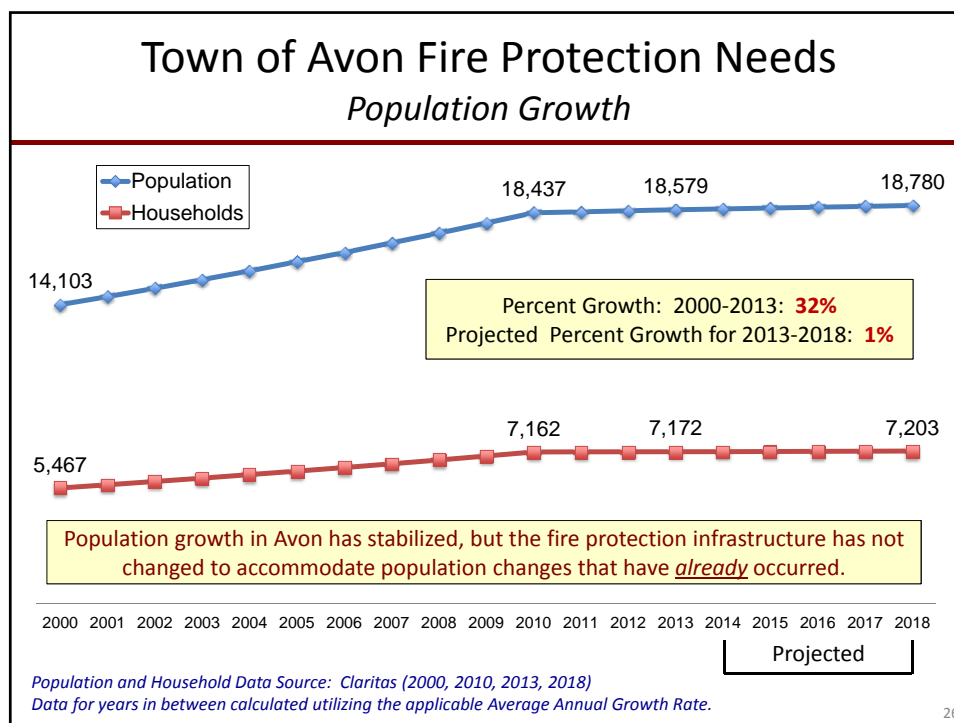
(2) Car 19 was purchased by the AVFD Corporation and is used regularly as the Duty Officer response vehicle.

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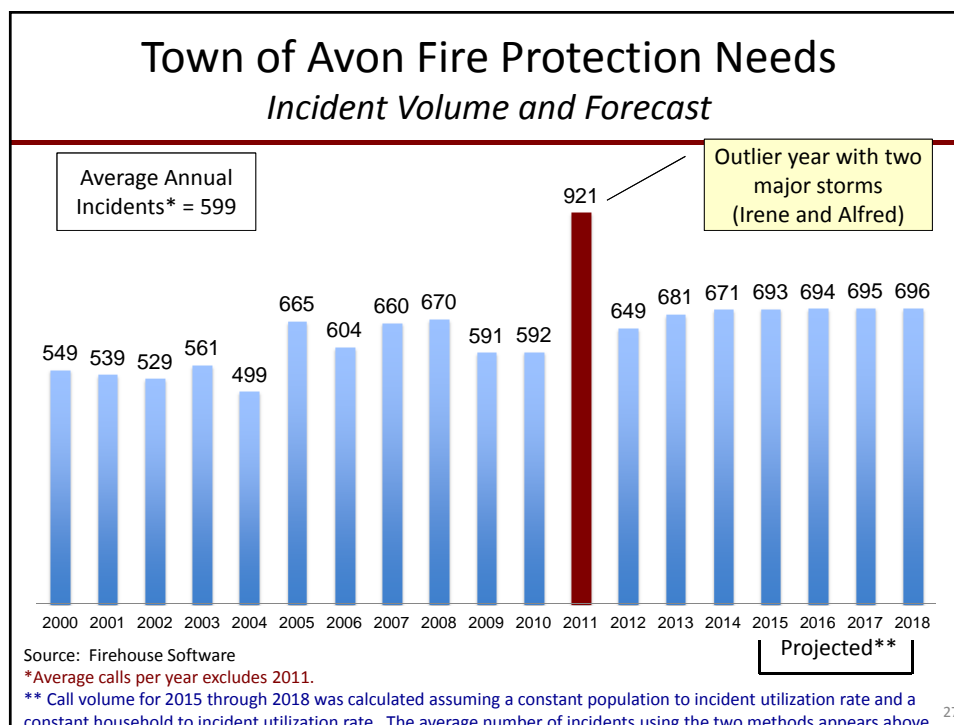
Avon Volunteer Fire Department Capital Requests

PROPOSED FIRE STATION & EXISTING FIRE STATION ASSESSMENT

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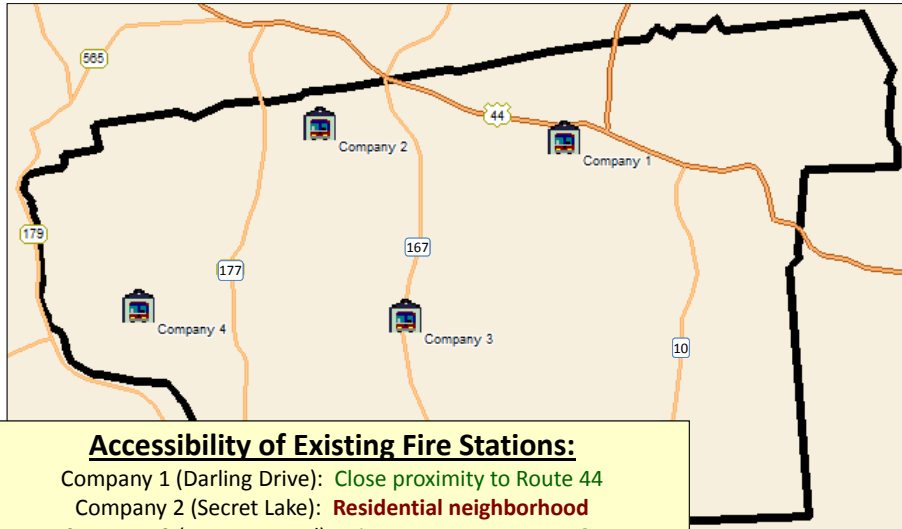
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Town of Avon Fire Protection Needs

Current Fire Station Placement



Accessibility of Existing Fire Stations:

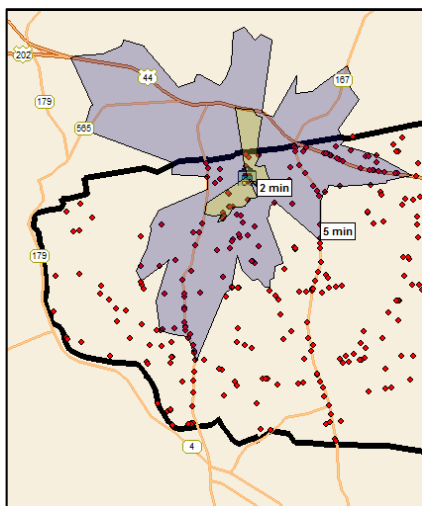
- Company 1 (Darling Drive): Close proximity to Route 44
- Company 2 (Secret Lake): Residential neighborhood
- Company 3 (W. Avon Road): Direct access to Route 167
- Company 4 (Huckleberry Hill): Direct access to Huckleberry Hill Road

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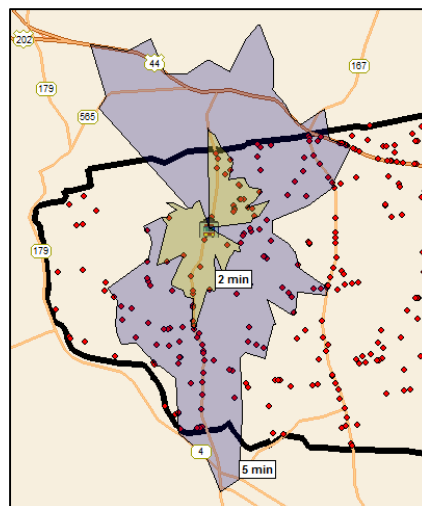
Town of Avon Fire Protection Needs

Limitations of Current Company 2 Fire Station – Response Time

Current Company 2 Secret Lake Location



Proposed Lovely Street Location*



* Potential site used for illustration purposes only – exact location pending formal facilities study and land availability (Location used: Lovely Street and Bridgewater Drive)

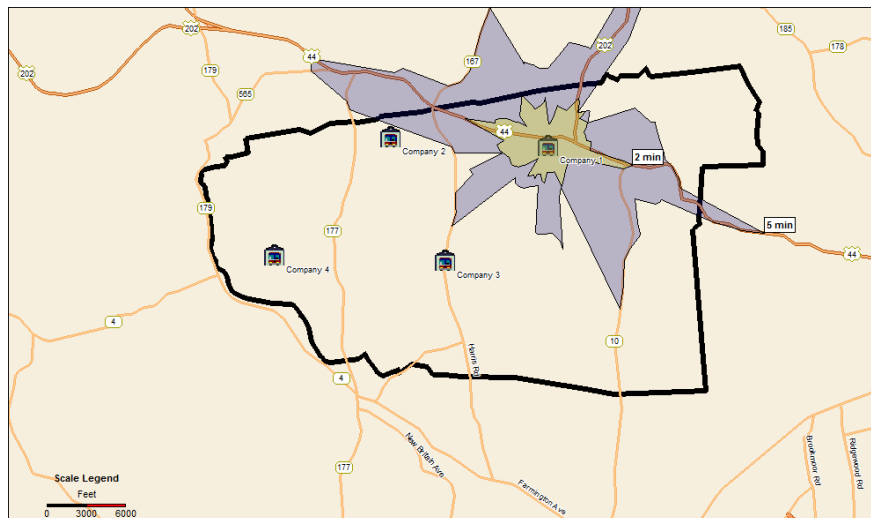
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Avon Volunteer Fire Department

ESTIMATED RESPONSE TIMES

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Estimated Response Times* Company 1 (Darling Drive)



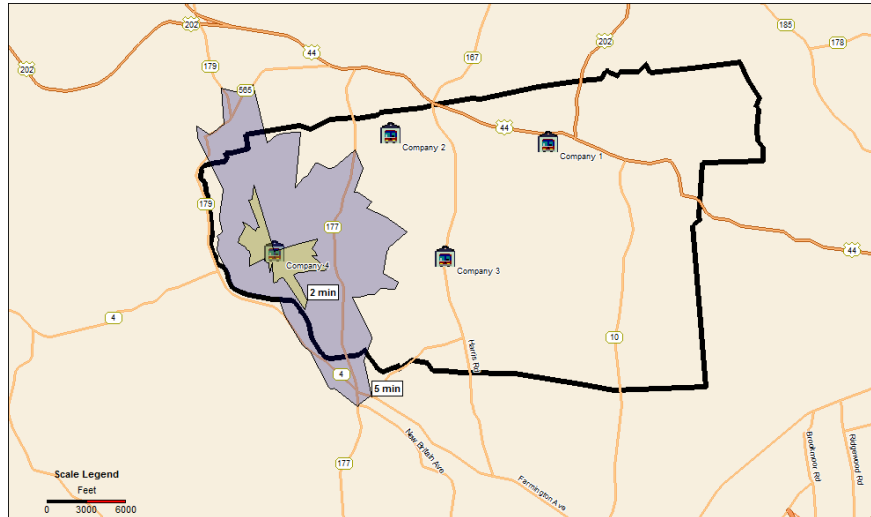
* Estimated response time assumes an average speed of 30 mph on local streets and 40 mph on state roads.

NOTE: Apparatus response times do not include response time for volunteer members to travel to the Fire Station for incidents.

31

Estimated Response Times*

Company 4 (Huckleberry Hill Road)

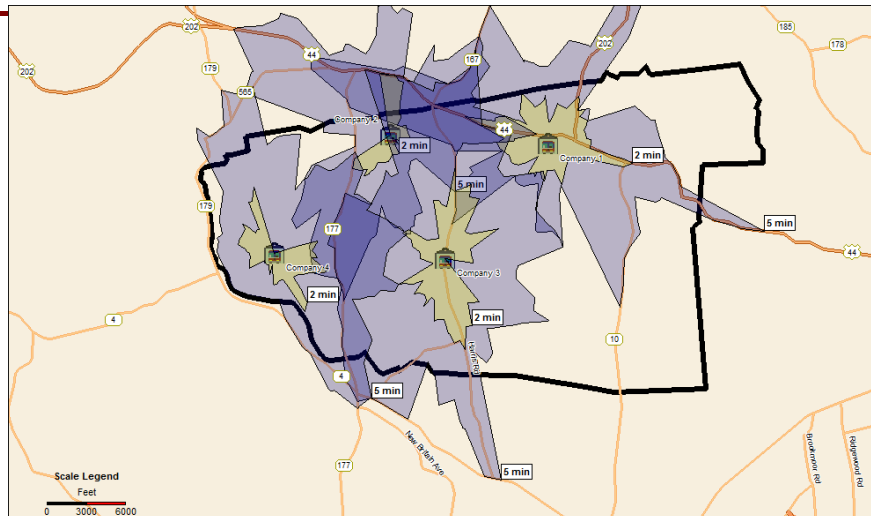


* Estimated response time assumes an average speed of 30 mph on local streets and 40 mph on state roads.
NOTE: Apparatus response times do not include response time for volunteer members to travel to the Fire Station for incidents.

34

Estimated Response Times*

All Stations (Status Quo)

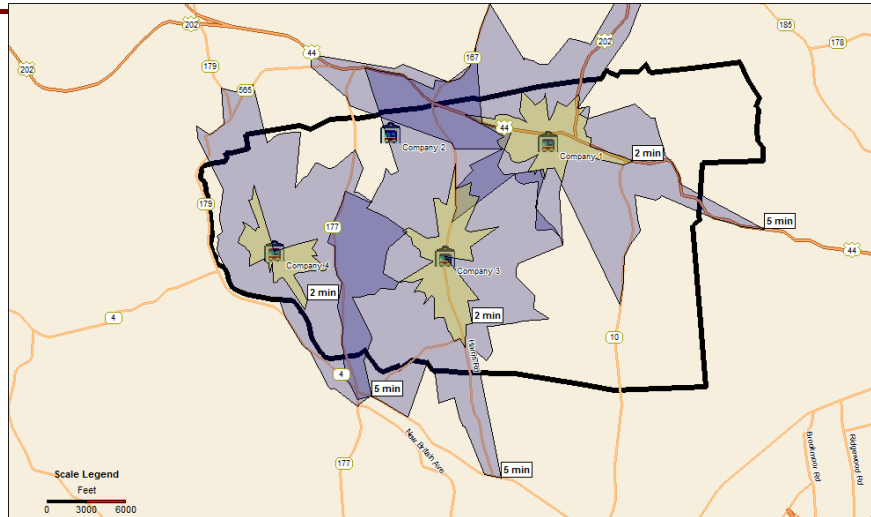


* Estimated response time assumes an average speed of 30 mph on local streets and 40 mph on state roads.
NOTE: Apparatus response times do not include response time for volunteer members to travel to the Fire Station for incidents.

35

Estimated Response Times*

Excluding Company 2 (Secret Lake Road)

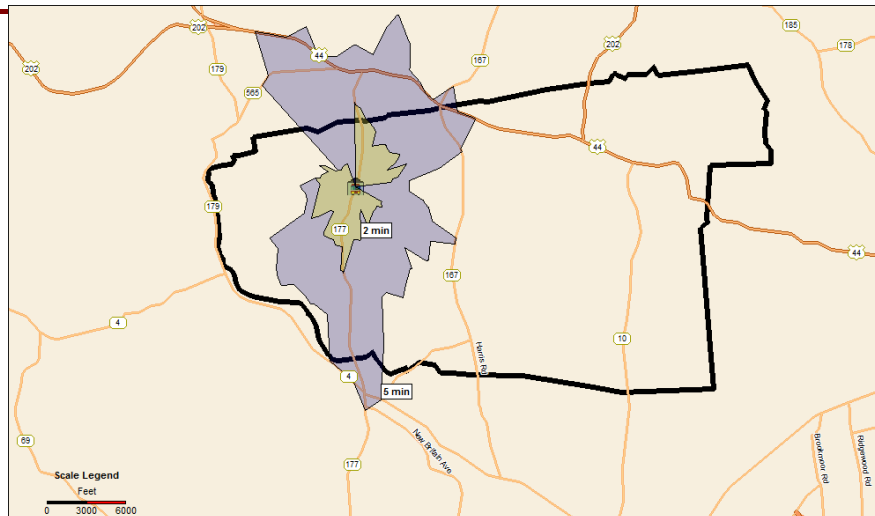


* Estimated response time assumes an average speed of 30 mph on local streets and 40 mph on state roads.
NOTE: Apparatus response times do not include response time for volunteer members to travel to the Fire Station for incidents.

36

Estimated Response Times*

Relocated Company 2 (Lovely Street)

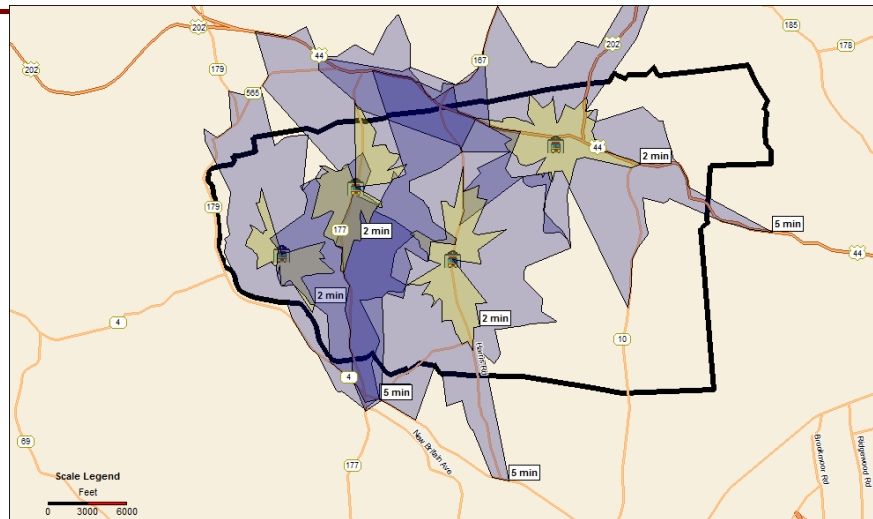


* Estimated response time assumes an average speed of 30 mph on local streets and 40 mph on state roads.
NOTE: Apparatus response times do not include response time for volunteer members to travel to the Fire Station for incidents.

37

Estimated Response Times*

Combined with Relocated Company 2 (Lovely Street)



* Estimated response time assumes an average speed of 30 mph on local streets and 40 mph on state roads.
NOTE: Apparatus response times do not include response time for volunteer members to travel to the Fire Station for incidents.

38

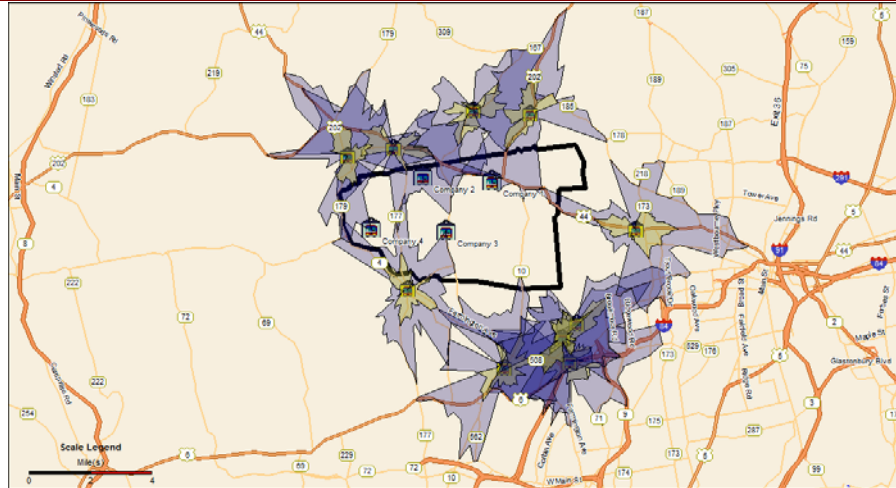
Fire Service Support from Neighboring Towns (Mutual Aid)

ESTIMATED RESPONSE TIMES

39

Estimated Mutual Aid Response Times*

All Bordering Towns

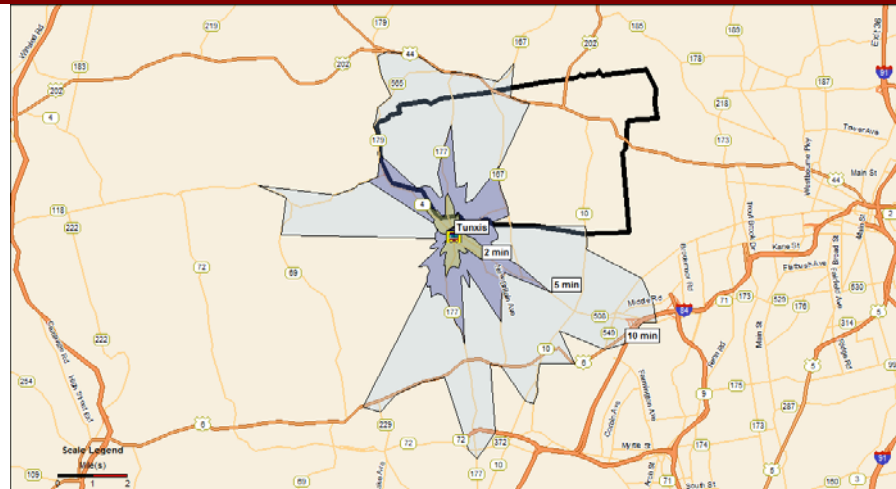


* Estimated response time assumes an average speed of 30 mph on local streets and 40 mph on state roads.
NOTE: Apparatus response times do not include response time for volunteer members to travel to the Fire Station for incidents.

40

Estimated Mutual Aid Response Times*

Unionville – Tunxis Station

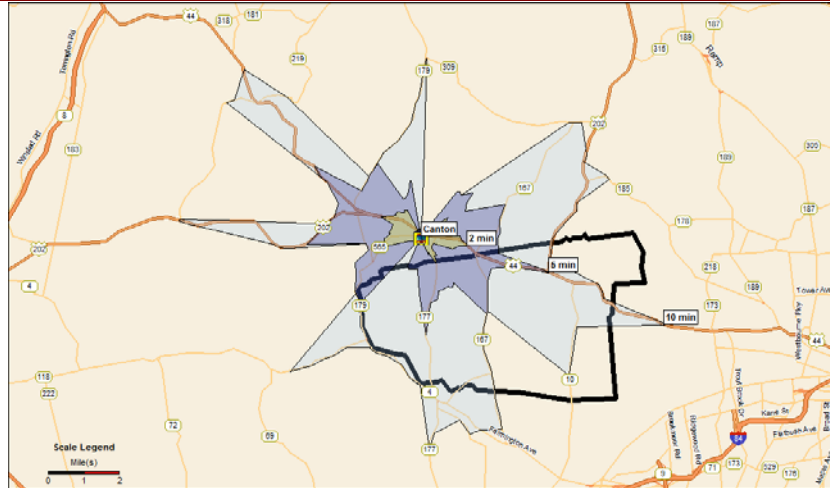


* Estimated response time assumes an average speed of 30 mph on local streets and 40 mph on state roads.
NOTE: Apparatus response times do not include response time for volunteer members to travel to the Fire Station for incidents.

41

Estimated Mutual Aid Response Times*

Canton – Canton Station

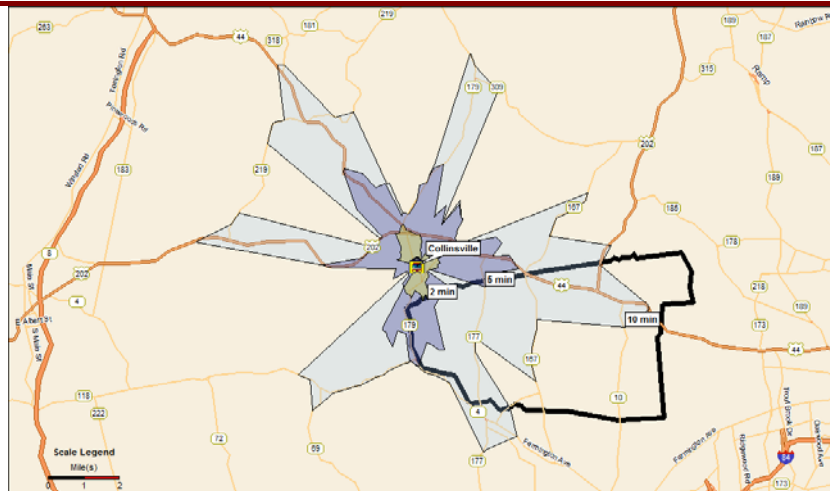


* Estimated response time assumes an average speed of 30 mph on local streets and 40 mph on state roads.
NOTE: Apparatus response times do not include response time for volunteer members to travel to the Fire Station for incidents.

42

Estimated Mutual Aid Response Times*

Canton – Collinsville Station

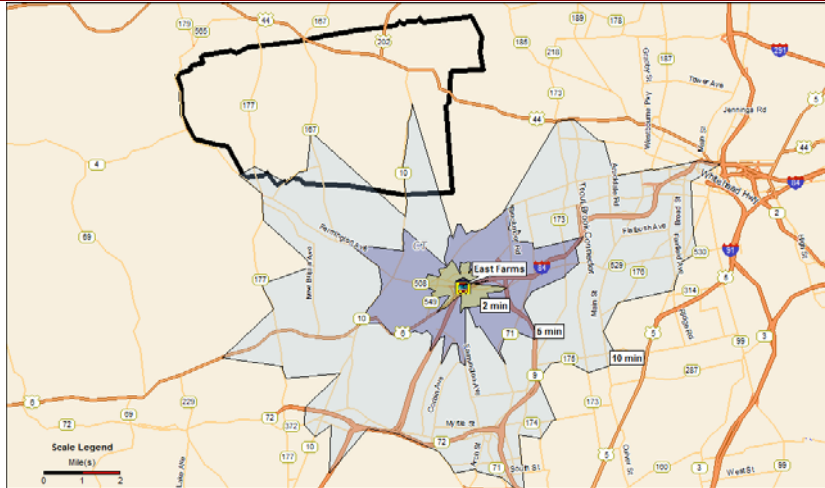


* Estimated response time assumes an average speed of 30 mph on local streets and 40 mph on state roads.
NOTE: Apparatus response times do not include response time for volunteer members to travel to the Fire Station for incidents.

43

Estimated Mutual Aid Response Times*

Farmington – East Farms Station

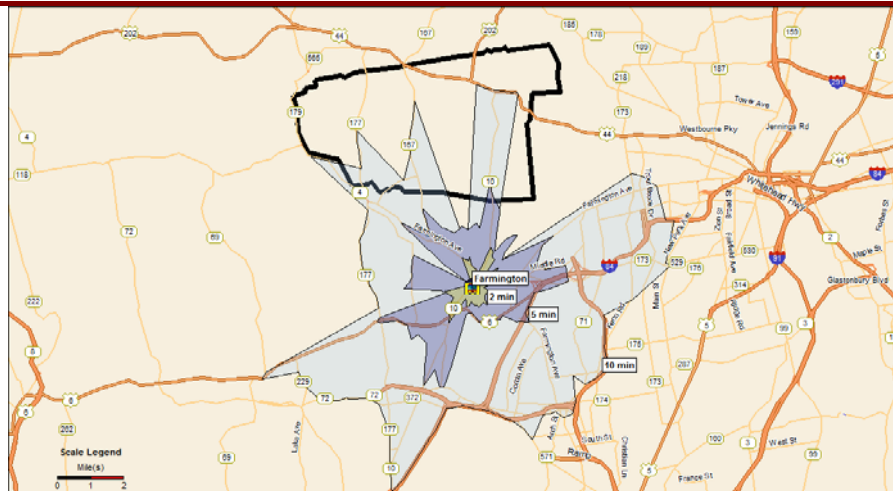


* Estimated response time assumes an average speed of 30 mph on local streets and 40 mph on state roads.
NOTE: Apparatus response times do not include response time for volunteer members to travel to the Fire Station for incidents.

44

Estimated Mutual Aid Response Times*

Farmington – Main Station

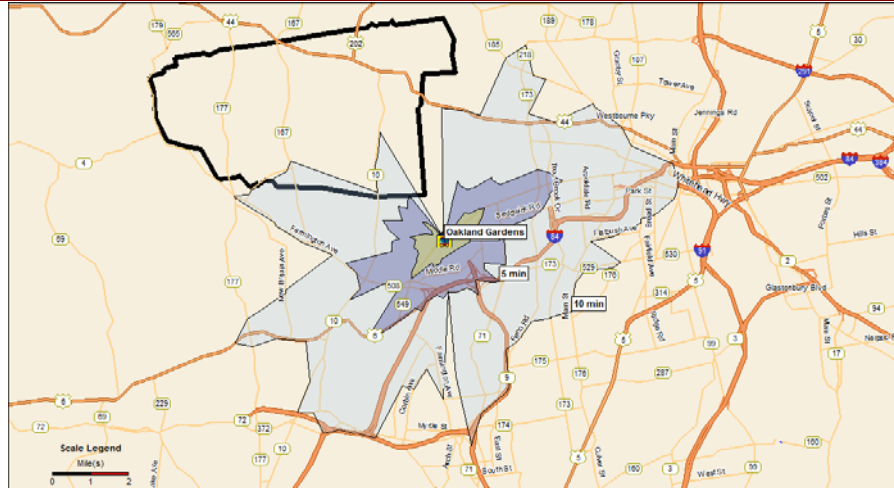


* Estimated response time assumes an average speed of 30 mph on local streets and 40 mph on state roads.
NOTE: Apparatus response times do not include response time for volunteer members to travel to the Fire Station for incidents.

45

Estimated Mutual Aid Response Times*

Farmington – Oakland Gardens Station

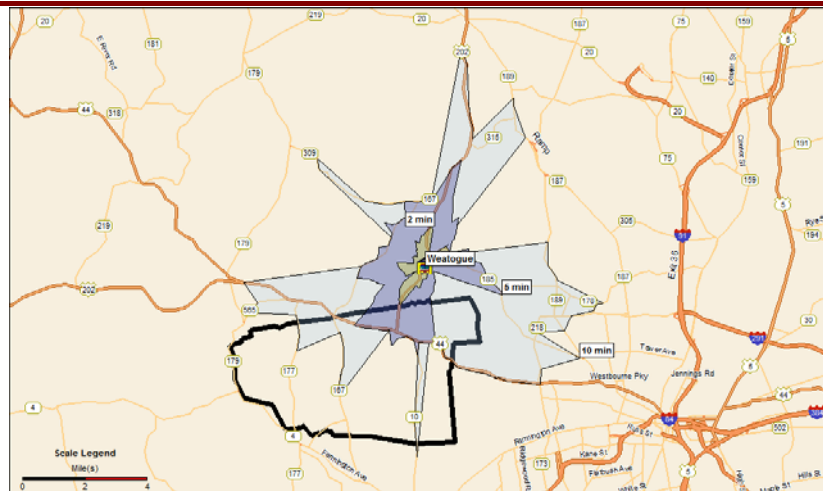


* Estimated response time assumes an average speed of 30 mph on local streets and 40 mph on state roads.
NOTE: Apparatus response times do not include response time for volunteer members to travel to the Fire Station for incidents.

46

Estimated Mutual Aid Response Times*

Simsbury – Weatogue Station

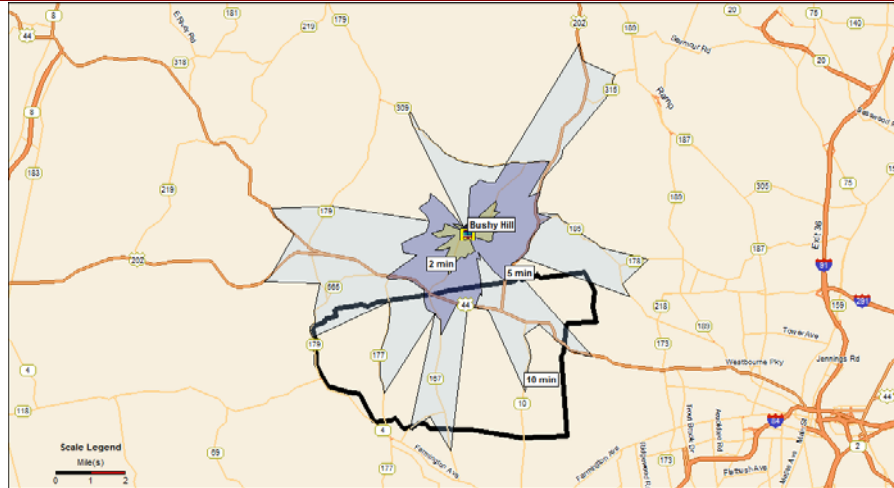


* Estimated response time assumes an average speed of 30 mph on local streets and 40 mph on state roads.
NOTE: Apparatus response times do not include response time for volunteer members to travel to the Fire Station for incidents.

47

Estimated Mutual Aid Response Times*

Simsbury- Bushy Hill Station



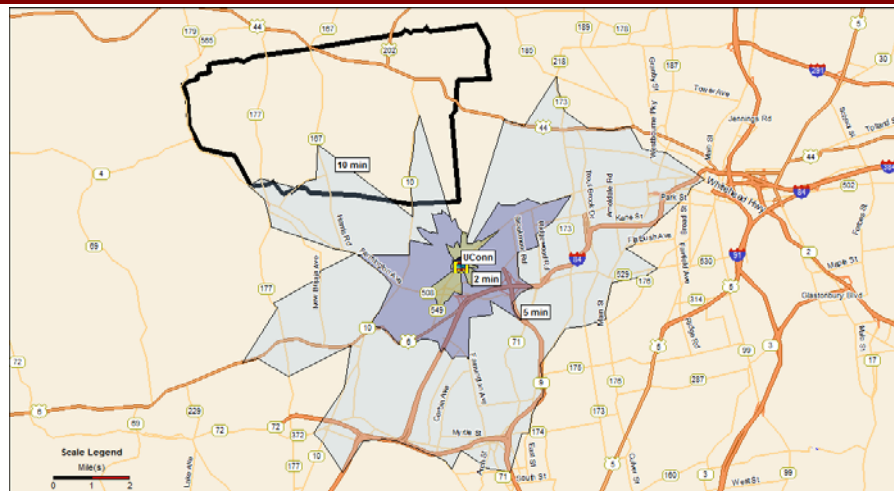
* Estimated response time assumes an average speed of 30 mph on local streets and 40 mph on state roads.

NOTE: Apparatus response times do not include response time for volunteer members to travel to the Fire Station for incidents.

48

Estimated Mutual Aid Response Times*

UConn Health Center Fire Department



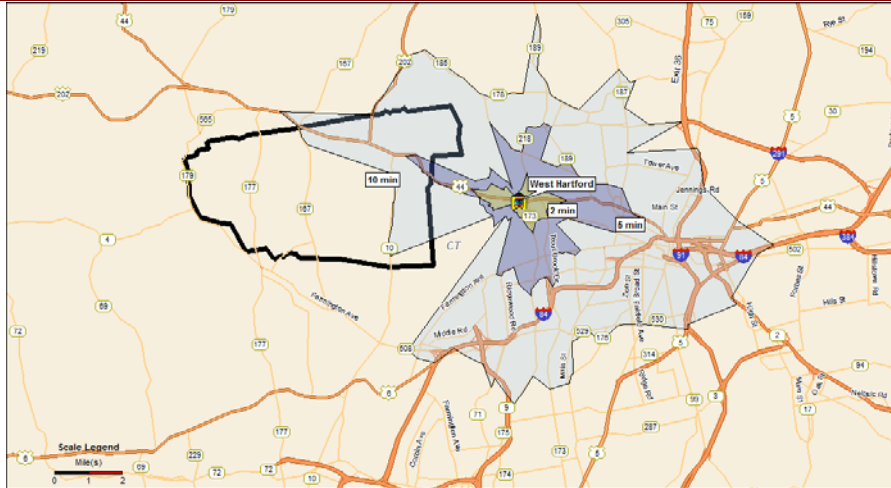
* Estimated response time assumes an average speed of 30 mph on local streets and 40 mph on state roads.

NOTE: Apparatus response times do not include response time for volunteer members to travel to the Fire Station for incidents.

49

Estimated Mutual Aid Response Times*

West Hartford – Albany Avenue Station



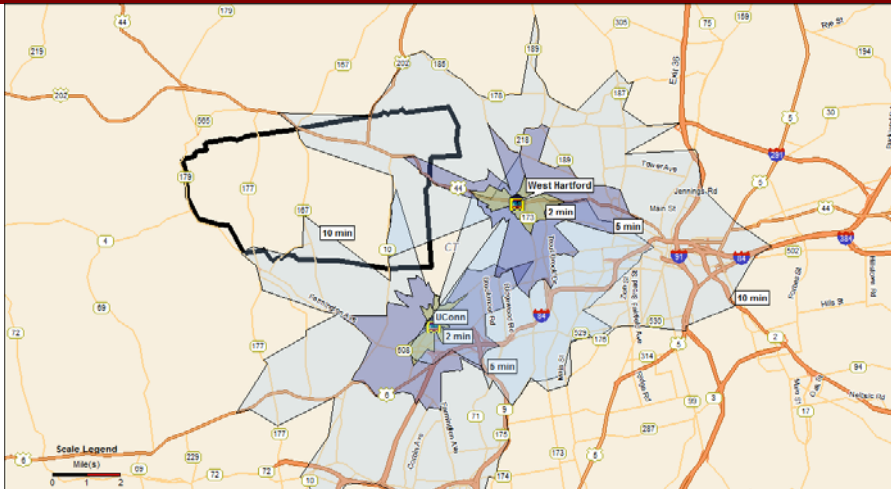
* Estimated response time assumes an average speed of 30 mph on local streets and 40 mph on state roads.

NOTE: Apparatus response times do not include response time for volunteer members to travel to the Fire Station for incidents.

50

Estimated Mutual Aid Response Times*

West Hartford and UConn Combined



* Estimated response time assumes an average speed of 30 mph on local streets and 40 mph on state roads.

NOTE: Apparatus response times do not include response time for volunteer members to travel to the Fire Station for incidents.

51

Avon Volunteer Fire Department Capital Requests

LIVE TRAINING FACILITY

52

Live Training Facility (Ground Breaking Ceremony Held 10/29/2015)

- Live-fire training is critical for firefighters to develop the skills necessary to ensure life safety and interior firefighting training is **OSHA mandated**⁽¹⁾
- Availability of live-fire training facility allows for regular training opportunities in a safe and controlled setting
- Location of existing facilities AVFD has utilized for live fire training:
 - Simsbury⁽²⁾
 - West Hartford
 - Windsor Locks
 - Wolcott
- Most AVFD firefighters only receive the minimum live-fire training required to maintain their status as interior structural firefighters (annual recertification)
- Lack of available live-fire training facilities locally limits our ability to do more

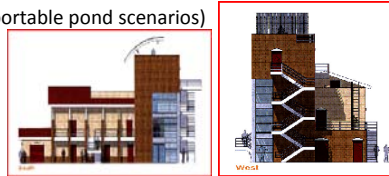
(1) OSHA requires quarterly training focused on interior firefighting skills, but does not stipulate that this training must be performed in live fire conditions. NFPA 1401 Recommended Practice for Fire Service Training does suggest that annual live-fire training be provided for all interior firefighters.

(2) Use of the Simsbury's Weatogue Training facility to outside organizations is very limited due to liability issues and concerns about overuse of the structure leading to premature replacement of the facility.

53

Live Training Facility (Ground Breaking Ceremony Held 10/29/2015)

- Annual training utilizing regional training facilities requires personnel and apparatus to travel, leaving neighboring towns to protect Avon in the event of a fire or other emergency incident
- Partnering with Farmington on the development of a new live-fire training facility
- Facility location in Farmington will facilitate more opportunities for live-fire training while keeping personnel close to Avon
- Facility could also be used for other types of training (not involving fire), including:
 - Ladder operations
 - Search and rescue simulations
 - Establishing water supply (utilizing hydrants and portable pond scenarios)
- Additional fundraising efforts underway



Additional Facts, Figures and Analysis

Available upon request