Xenia Township Fire Department

Date: **March 2, 2022**

To: **Xenia Township Board of Trustees, Alan Stock**

From: **Chief Gregory E. Beegle**

RE: **2021 Year in Review**

In 2021, Xenia Township Fire received a total of 1,028 calls for service, an increase of 25 calls from 2020. This summary will provide a breakdown of the manpower utilized throughout the year, calls for service, and an analysis of our times and locations for activity.

Full Time

2021 was the ninth year in which our three full-time employees provided a reliable base for our daily coverage. The combination of part-time and full-time staffing is beneficial in meeting our staffing needs. Transition occurred in 2021 in the full-time category. Aletha Friesen resigned to accept a position with another local fire department. Her position was filled with Adam Bistrek. In addition, Lieutenant Kelly Hines was placed on medical leave on March 1, 2021 and never returned to service. He retired from the fire service in November 2021. His position was filled in 2022. Of the 1,028 calls for service, our full- time employees responded as follows:

Employee	Responses	Percentage of Total
K. Hines	37	3.60%
H. Conley	223	21.69%
A. Friesen	72	7.00%
A. Bistrek	300	29.18%

Part Time

Our number of part-time employees ranged from 34 at the beginning of the year to 33 at year's end. This work group consisted of our Captain and three Lieutenants. The total hours worked for our part-time staff totaled 26,775.25.

In 2019, The Board of Trustees approved an incentive program for part-time employees, based on the total number of hours worked for the year. The incentives consisted of $500 at 600 hours worked, $750 at 1,000 hours worked, and $1,000 at 1,400 hours worked. The incentive program offered an effective motivation for employees to maximize their participation, in turn, improving the fire department's ability to staff our stations. The numbers of employees receiving incentives at each level in 2021 were: twelve at 600 hours, seven employees at 1,000 hours, and four employees at 1,400 hours. The total incentive paid for 2021 was $23,750.

Hours	Amount	2019	2020	2021
600	$500	6	12	12
1,000	$750	3	8	11
1,400	$1,000	6	3	4

Part-Time Staffing

Part time members are shifted (every 6th day) or must meet a minimum participation level of 36 hours each month.

Our total hours worked during 2021 decreased by 1,428 hours over the previous year. As staffing needs change and as we find ourselves more often training new members for the fire service, capital dollars have had to be sacrificed for personnel costs. Total part-time hours worked the last five years:

Year	Hours
2017	25,715
2018	25,433
2019	23,540
2020	28,203
2021	26,775

Promotions

Two vacancies at the rank of Lieutenant were present in 2021, due to the resignation of Lieutenant Friesen and the retirement of Lieutenant Hines. A competitive promotional process was held and Adam Bistrek and Carl Schneider achieved the highest rankings on the assessments. Adam and Carl were sworn in during the December16, 2021 Trustee's Meeting, bringing the Lieutenant rank at Xenia Township to five.

Fire Responses

In 2021, Xenia Township Fire responded to 1,028 calls for service. Of those calls, 333 were of a nature that was considered "non-EMS." A report of all of our call types is attached in the appendix. Our top three categories were: Good intent calls and cancelled en route – 174, Fires – 41, and Motor Vehicle Crashes – 116.

Dollar Loss

In 2021, Xenia Township Fire experienced a low to moderate dollar loss throughout the year, compared to the last eight years. In 2021, there were 11 incidents that resulted in dollar loss in Xenia and Caesarscreek Townships. A detailed report by incident is attached in the appendix.

Year	Dollar Loss
2013	$1,497,300
2014	$353,550
2015	$109,950
2016	$22,650
2017	$787,170
2018	$469,834
2019	$190,450
2020	$240,996
2021	$322,500

EMS Responses

In 2021, Xenia Township Fire received 1,028 calls for service. Of those calls, 695 were EMS in nature. We encountered 550 total patients, transporting 431 of them. A report of the transport destinations for all our patients is attached in the appendix. Our top four hospital destinations were: Greene Memorial Hospital – 255, Soin – 86, Miami Valley Hospital – 37, Miami Valley South – 21, Dayton Children's – 8.

Fire Inspections

Due to Coronavirus, the inspection program was minimal in 2021. In 2021, Xenia Township Fire conducted 25 fire inspections within Xenia and Caesarscreek Townships. Lieutenant Adam Bistrek assumed management of the inspection program for Xenia Township Fire. Summary of the last eight years of Inspections:

Year	Inspections
2014	167
2015	189
2016	155
2017	138
2018	112
2019	120
2020	40
2021	25

Training

Xenia Township Fire provides monthly fire and EMS training, facilitated through a combination of in-house instructors and guest instructors from outside agencies. The restriction of gatherings due to Coronavirus forced our staff to find alternative ways to complete training. We completed EMS Protocol Training by having individual appointments arranged for skills assessments.

Captain Surls assigned training objectives to completed by crews while they were on duty. Several employees took advantage of virtual learning through the Ohio Fire Academy 24/7 digital platform, purchased with COVID relief money. Premier Health also provided several hours of online EMS training and Instructor development, free of charge that enhanced employees' skill and knowledge. The total number of training hours recorded for Xenia Township Fire Department employees was 782 hours.

Automatic or Mutual Aid Given and Received

We give and receive assistance in the form of Automatic Aid whenever calls for service are received that are significant and require considerable resources from the beginning, such as structure fires. Mutual aid is assistance that is requested after arrival on the scene, and the determination is made that more help is needed.

Xenia Township Fire responded to 202, or 20%, of our calls for Aid for other jurisdictions. Xenia Township Fire received aid from our neighboring departments on 125, or 12% of our calls. 55 mutual aid calls were in District 51 Xenia Township North, 55 in District 52 Xenia Township South, and 13 in District 53 Caesarscreek Township. A detailed listing is attached in the appendix. If there are any questions regarding a specific response, please contact the Fire Chief for further explanation.

Xenia Township Fire			
Automatic and Mutual Aid Provided and Received			
January - December 2021			
Department Name	Responded	Cancelled	Received
Xenia City	45	87	107
Spring Valley Township	11	11	14
Miami Township	22	13	6
New Jasper Township	1	2	18
Beavercreek Township	2	1	3
Cedarville Township	3	0	10
Sugarcreek Township	1	3	1
Silvercreek Township	0	0	2
Total	85	117	161

Calls by District and Time Analysis

Xenia Township Fire records its responses based on day of week and hourly parameters. The jurisdiction is also broken down into districts that include Station 51 Xenia Township North, Station 52 Xenia Township South, Caesarscreek Township, and Mutual Aid. Below is a summary of the District Analysis in 12-hour increments, and weekday verses weekend

parameters. According to these results, 51% of our call volume occurs Monday through Friday. A detailed listing is attached in the appendix.

Time, Day, and District Analysis for Fire and EMS Responses					
January - December 2021					
District	M - F 0700-1900	M - F 1900-0700	Sat -Sun 0700-1900	Sat -Sun 1900-0700	Total
Station 51	218	117	69	55	459
Station 52	124	64	25	24	237
Caesarscreek Township	49	40	25	16	130
Mutual Aid	89	55	35	23	202
Total	480	276	154	118	1028

Financial Investment

Below is a summary of major items purchased in 2021 that have enhanced our service delivery capabilities and improved our workforce through employee development.

Capital Purchases & Employee Development Expenses for Xenia Township Fire Department	
2021	
New Portable MARCS Radios	$10,000
New Brush Truck	$176,818
New Ambulance	$262,685
Fire Helmets	$1,196
New Cascade System	$41,493
Thermal Imaging Camera (TIC)	$4,400
Fire Training – (FF 2, Fire Investigator, Fire Officer)	$9,428
MARCS Radio Security Upgrades	$7,631
Total Investment	**$513,651**
Grants Received for Xenia Township Fire Department	
Ohio Fire Marshal Training Grant	$848
Ohio Fire Marshal MARCS Radio Equipment Grant	$10,000
Assistance to Firefighters Grant (AFG) – Cascade, TIC	$50,0000
Coronavirus Aid Recovery Economic Security (CARES) – Brush Truck, Items from 2020	$150,000
America Rescue Plan Act (ARPA) - Medic	$262,685
Grant Total	**$473,533**

Apparatus

Our staff has been dealing with isolated issues related to specific pieces of apparatus in 2021. Our Road Superintendent, Jim Pile, and his staff have the primary responsibility in maintaining our fleet and improving our capacity with financial responsibility in mind. The work completed

in-house has literally saved Xenia Township tens of thousands of dollars in labor expense. No piece of apparatus is sent out for repair before a thorough assessment and evaluation by our Road Superintendent and his employees. This staff has continued to find creative and cost saving ideas to maintain our readiness for emergencies.

We retired Medic 53, a 1995 Horton ambulance on a Navistar chassis. The cost of maintaining the unit and finding replacement parts was proving a more challenging task with every request. In August 2021, it was sold.

Our Remaining Apparatus and Year Purchased:

Apparatus	Manufacture Year	Years of Service	Repair Cost 2021	Hours Spent by Road Dept
Engine 53	1994	27	$2,721.00	80
Brush 52	1999	25	$1,732.00	42.5
Tanker 51	2000	21	$183.00	5
Brush 51	2001	20	$257.00	7
Boat 51	2006	15	0	0
Engine 51	2006	15	$2,137.00	64
Chief 51	2007	14	0	0
Medic 52	2009	12	$3,226.00	35
Tanker 52	2010	11	$1,986.00	21.5
Medic 51	2013	8	$6,305.00	28
Chief 50	2014	7	$1,026.00	16
Engine 52	2019	2	$3,995.00	21
Total			**$23,568**	**320**

New Cascade

In April 2021, we installed a Self-Contained Breathing Apparatus (SCBA) Cascade system, comprised of a fill-station and generator. We were able to purchase these items through a grant, received as part of the FEMA's Assistance to Firefighters Grant (AFG) program. Since 2001, AFG has helped firefighters and other first responders obtain critically needed resources necessary for protecting the public and emergency personnel from fire and related hazards. The total grant award was $50,000. The components were shipped to Xenia Township and installed by local vendors. This equipment can be used by our neighboring jurisdictions as well and replaced obsolete equipment that was over 30 years old and beyond any usefulness. Our next substantial investment will require the purchase of replacement our 24 SCBA's, which are now ten years-old. We are eligible to apply for replacement using the AFG, with an anticipated cost of nearly $200,000 for packs, bottles, and masks. If not purchased using a grant, we will need to replace these items using budgeted monies in 2023 or 2024.



Financial Resources

We are finding it more difficult to maintain and impossible to replace our apparatus and equipment by scheduled end of life. We constantly search for grants to help, but we have not had an increase in tax revenue for the fire fund since 1996. We have a renewing Levy for 24-hour EMS Coverage, initiated in 2005, that has renewed three times. Our current funding levies are comprised of the following:

Levy Name	Year	Duration	Rate	Yield	Ballot Renewal Year
Fire Protection	1987	indefinite	1.00	$63,000.00	
Fire Protection	1984	indefinite	1.00	$41,000.00	
Fire Protection	1986	indefinite	0.50	$21,000.00	
Fire Protection	1986	indefinite	0.70	$29,000.00	
Fire Protection	1993	indefinite	1.00	$76,000.00	
Fire Protection/EMS	1996	indefinite	1.00	$82,000.00	
Fire-Renewed	2005	5 Year	3.00	$354,000.00	2025
Total Tax Revenue				**$666,000.00**	

In addition to our tax revenue, we benefit from unused funds of the previous year, labeled carryover, to offer additional funding as well as a contract revenue from Caesarscreek Township and EMS billing revenue. Our total budgeted revenue for 2021 was $1,212,541. Our financial demands are broken down as such:

REVENUE	$1,212,541.00
PERSONELL COSTS	$801,621.00
UNIFORM, TOOL AND EQUIPMENT REIMBURSEMENT	$1,350.00
TAX COLLECTION FEES	$7,500.00
OTHER-PROFESSIONAL SERVICES	$1,500.00
UTILITIES	$13,000.00
PAYMENT TO ANOTHER POLITICAL SUBDIV	$17,000.00
INSURANCE HAZARD/LIABILITY	$14,501.00
OTHER-SUPPLIES AND MATERIALS	$8,300.00
TRAINING SERVICES	$7,100.00
OTHER-PROFESSIONAL TECHNICAL SERVICES	$41,194.54
REPAIR AND MAINTENANCE	$8,000.00
EMS OPERATING SUPPLIES	$14,000.00
VEHICLE FUEL	$15,000.00
MACHINERY EQUIPMENT	$7,398.00
AVAILABLE FUNDS	**$255,076.46**

These “Available Funds” are used to support all other areas of our operations. Apparatus upgrades and replacement are often sacrificed or postponed due to lack of funding. Our fifty-year-old buildings are maintained and used differently than they were intended for at construction. We now staff crews 24 hours a day, seven days a week when possible. Our original stations were built based on a volunteer service model. The walls have no insulation in them. They are concrete block.

Conclusion

COVID 19 continued to offer challenges for the Xenia Township Fire Department in 2021. Our run volume increased slightly, but the overall atmosphere of the day-to-day operations returned to a sense of normalcy. The Greene County Fair returned in 2021, although several of the evening events took on a different vibe. We continued to offer support to several other events at the Fairgrounds/Expo Center. The crowds were very compliant in social distancing and maintaining safety for all.

Xenia Township Fire was improved through various Grants that were received as part of COVID Relief 2021. Alan Stock is to be commended for his administration and management of the grant funds. Through the analysis of needs and financial resources, the fire department was able to secure contracts for new fire apparatus. In 2021, we secured contracts to purchase a new Brush Truck, at a cost of $176,818 and a new Medic unit, at a cost of $262,685.

It is with great pride that the accomplishments of the men and women of the Xenia Township Fire Department are summarized in the previous pages. Although these statistics are the measurable components of our productivity, what is not documented are the hours spent by the staff for the time they have spent on station, waiting, completely prepared for a response with training, equipment, and experience. There are countless individual accomplishments regarding department projects including hose testing, vehicle transportation, asset inspection, and other tasks that are just as valuable to our organization's success as meeting the calls for service that we respond to.

We greatly appreciate the support that the Board of Trustees has shown in our leadership and look forward to progressing on future endeavors through the combined contributions of the Xenia Township Administrator, Fiscal Officer, Road Superintendent, and all employees of Xenia Township.