

Bangor Township Fire Department



2020 Annual Report

Bangor Township Fire Department 2020 Annual Report

Mission Statement

We pledge to provide the community with the best possible all-hazard prevention, education, and emergency response services for the preservation of life, property, and environment.

Vision Statement

To be a model of excellence in providing customer-oriented, all-hazard services for our residents, businesses, and visitors of Bangor Township.

Core Principles

Pride
Safety
Respect
Integrity
Compassion
Professional

Strategic Goals

1. Provide all-hazard services that exceed our customers' expectation in support of our mission.
2. Continually develop partnerships as an educational means to create a safer community.
3. Practice fiscal responsibility with the public's resources.
4. Recruit and develop all staff as a part of a succession plan.
5. Facilities, apparatus, and equipment will be maintained and replaced with respect to available resources.
6. Review goals and statements annually for progress and/or adjustments.

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Fire Chief's Message

On behalf of the men and women who make up the Bangor Township Fire Department (BTFD), it is my pleasure to present this 2020 Annual Report. This report serves several important functions, which include documenting statistical data from our 77th year of operation, helps confirm our actions are consistent with our mission, and provides cues to future planning. We would also like to gratefully acknowledge the continued financial support of our resident, who in 2020 voted to increase our millage.

In addition to statistical data, this report also reflects on our accomplishments and challenges from 2020. A few highlights worthy of mention includes that we had no major firefighter injuries/deaths, several new pieces of life saving equipment placed in-service, and further development of our Bay County and Region 3 Special Teams. Several recurring challenges included recruitment/retention issues, facilities, and a challenging call volume. 2020 had the second highest call volume in the history of the Department with 2164 requests for service, or 6 runs per day average. There was a slight decrease in 2020 call volume due to COVID-19 response limitations. Regardless of whether we celebrate accomplishments or struggle with challenges, we face them together as team.

I am proud of the men and women who make up the Bangor Township Fire Department, who day after day maintain the highest traditions of the fire service providing assistance to those in need 24/7. The Department would also like to say thank you for the continued support from the Bangor community and Township Board.

Respectfully submitted,

Rob Glenn
Fire Chief

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2020 Personnel Roster

Bangor Township Fire Department's greatest asset is our personnel. Sixteen of the fire personnel are POC, and they are depended on when the workload is greater than can be handled by the 24 hour staffing. BTFD is always looking for people to join our team. If you have an interest in becoming a paid-on-call firefighter, contact us at 989-684-8504, we will train you!

To each firefighter who served in 2020, thank you for your continued efforts.

<u>Name</u>		<u>Year of Hire</u>	<u>Position</u>
1. Joseph	Baker	2020	Firefighter/EMT - Cadet
2. Forest	Bradley	2018	Firefighter
3. Carson	Chapman	2020	Firefighter - Cadet
4. Bradley	Cook	2020	Firefighter – Cadet
5. Joe	Feinauer	2009	Firefighter/EMT
6. Mike	Galloner	1995	Captain/EMT
7. Rob	Glenn	2014	Chief/Paramedic
8. Don	Hamm	2018	Firefighter/EMT
9. Jon	Jacobs	1997	Firefighter/EMT
10. Jeff	Koons	1996	Captain/EMT
11. Jeff	LaLonde	2019	Firefighter Cadet
12. Ben	Lanning	2013	Firefighter
13. Donald	Middleton	1978	Sergeant/EMT
14. Kathryn	Middleton	2005	Firefighter
15. Kaylee	Moore	2017	Firefighter
16. Ron	Moore	2007	Firefighter/EMT
17. Wayne	Phillips	2013	Firefighter/EMT
18. Austin	Rahn	2015	Firefighter
19. Casey	Risner	2016	Firefighter
20. Mike	Royer	1995	Captain/Paramedic
21. Mike	Sarnowski	2006	Firefighter/EMT
22. Scott	Schuch	2006	Firefighter/Paramedic
23. Jim	Starkey	1997	Assistant Chief/Paramedic
24. Starkey	Tyler	2020	Firefighter – Cadet
25. Robert	Struck	2014	Firefighter/MFR
26. Scott	Sturm	1989	Sergeant/EMT
27. Andrew	Tennant	2009	Firefighter/Paramedic
28. Jay	Tomaszewski	2001	Firefighter/EMT
29. Kylar	Vanderwall	2019	Firefighter/EMT

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Fire Prevention & Education

Fire Prevention Week is set aside specifically every October to commemorate the almost 300 people who perished in the 1871 Great Chicago Fire. However, the BTFD takes its fire prevention seriously more than one week of the year. We try to honor those who have perished by fire through education and code enforcement. However, public contact opportunities in 2020 were extremely restricted, with the vast majority of education provided remotely.

IF you have any fire safety related questions, would like to tour one of our fire stations, or would like any of our other services provided feel free to call Fire Station 7 at 989-684-8504.

The chart below documents our 2020 prevention and education efforts.

<u>2020</u>	<u>Totals Numbers</u>	<u>Kids</u>	<u>Adults</u>
Station Tours	24	71	48
Pub Ed/Public Relations	29	1326	260
Burn Permits	176	N/A	N/A
Fire Marshal Review	15	N/A	N/A
Fire Marshal Inspections	27	N/A	N/A
Engine Co. Inspects	27	N/A	N/A
Smoke Detectors	17	N/A	N/A
Home Key Boxes	18	N/A	N/A
Car Seat Installs	19	N/A	N/A



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Equipment

New equipment placed in-service this year included:

- ✓ Rescue struts, which are used for stabilization at incidents involving auto accidents and technical rescues.
- ✓ Air bags, which are also used for auto accidents and technical rescues.
- ✓ Firefighting nozzles including an unmanned Hemisphere Nozzle, purchased through a gracious donation from Marathon Petroleum.
- ✓ Fire hose which replaced stock from as far back as the 1970's.
- ✓ A 5-gas monitor that is used to detect the presence of toxic and explosive gases.
- ✓ A Rad 57 gas monitor that is used for detecting carbon monoxide in people, much like a finger clip oxygen sensor.
- ✓ The Department's fire safety house (FSH) received some sprucing up. The FSH was purchased using donation money in 1998 and is used to educate children in fire safety.
- ✓ A commercial hose/gear dryer that allows us to quickly dry our limited supply of turnout gear and fire hose.
- ✓ A new fire engine was approved to replace a 24 year old , and construction started. Anticipated delivery of the new engine is mid-2021.

Facilities

Bangor Township's first fire station was originally constructed at 3921 Wheeler Road in 1956 and has received several modifications since then. This building is in reasonable shape, however, has limitations on vehicles and equipment it can house due to number of bays and ceiling height.

Station 6 located at 1000 W. North Union was converted from a plumbing shop in 1963 and covers the south end of the Township. This aging station also has limitations on the size of vehicles and equipment it can house. Additionally, firefighter health, location, and age of the building are all concerns with this current building. Evaluation of Station 6 needs to be performed to determine if the needs of the community are being best met, and plans made for any changes necessary.

Both fire stations have significant issues including security, energy efficiency, and lack of vehicle exhaust handling systems, with the latter being a significant health concern. Funding for a previously recommended long-term building modification/replacement plan was started in the 2020 budget.

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Training

Training is a daily event in Bangor and is broken down into three categories which include in-house, outside, and shift level. The total number of training hours personnel spent in training during 2020 was 2745, and although there was a pandemic, we were only 20 hours below 2019. Training occurs days, nights, and weekends, and was crucial in reducing Bangor's ISO (insurance) rating down from five to four. The chart on the following page shows training topics covered during 2020:

<u>In-House Training</u>	<u>Outside Training</u>	<u>Shift Training</u>
Airway and Ventilation	Active Shooter	After Action Reviews
Anaphylaxis	Boat Operations	Air bags
Blood borne Pathogens	Child Car Seat Installation	Aerial Operations
Boat 7 Operations	Civil Unrest Response	Bleeding Control
Burns	Community Risk Reduction	Boat 7 Operation
Emergency Driving	CCOVID-19	Bravest On-Line (Various Topics)
Engine Checks / Engineer Training	Death Notification	Community Familiarization
Hazardous Materials	Diversity & Inclusion	Cost of Firefighter Injuries
Ice & Water Rescue	Down & Dirty Ladders	COVID-19
Incident Command System	Educational Methodologies	Employee Termination
Hose Testing and Loads	Electrical & Car Fire Investigation	Fire Attack & Deck Gun Operations
Landing Zones	Emergency Driving	Fire & EMS Reporting
Medical / Legal	Fire Inspectors Continuing Education	Fire Extinguishers
Mental Health	Fire Instructor	FIT Testing
OB/Gyn	Firefighter I & II	High Visibility PPE
Patient Packaging	Flashover	Hose Load
Pediatric Airway	Hazardous Materials	Infrared Thermometers
Pediatric Trauma Medication & Assessment	Incident Management - MICIMS	Lithium-Ion Batteries & Firefighter Safety
Rapid Intervention Team / Mayday	Ice Rescue	Policy & Procedure Review
Ropes & Knots	Incident Command System	Pre-Fire Surveys
Salvage & Overhaul	Ladders	Ropes & Knots
Scene Traffic Safety	Public Information Officer	Self-Contained Breathing Apparatus
Search & Rescue	Report Writing	Suicide Prevention
Self-Contained Breathing Apparatus	Sexual Harassment	Technical Rescue
Trauma	Structural Collapse	Traction Splint Application
Vent – Enter - Search	Swift Water Rescue	Understanding Youth Firesetting
Vehicle Extrication	Tactics for the 1 st Due Engine	
Water Supply / Hose Streams / Salvage	Technical Rescue Awareness	
Weapons of Mass Destruction	Thermal Imaging Cameras	
	Trench Rescue – Operations	

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2020 Training Opportunities



Vehicle Extrication



Rescue



Technical Rescue

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Community Outreach

Bangor Township firefighters conducted various acts of community outreach in 2020. A few of examples have been listed below:

1. Blood pressure screening
2. Assistance to victims of structure fires
3. Assistance to residents with special needs
4. Participation with Toy's for Tot's
5. File of Life program
6. Participation with Stockings for Soldier

Vehicle Fleet

The total spent on vehicles in 2020 was \$31,511.70, with \$21,065.00 spent on parts and \$15,446.70 for labor. These numbers do not include ladder or fire pump testing which is required on an annual basis.

<u>Vehicle ID</u>	<u>Year</u>	<u>Make / Model</u>
Engine 6-2 (97E1)	1997	Pierce Saber with 1250 GPM pump
Engine 7 (00E2)	2000	Pierce Saber with 1250 GPM pump
Chief 6 (06C1)	2006	Chevrolet Suburban
Rescue 6 (07R1)	2007	Chevrolet Suburban
Aerial 7 (07A1)	2008	Ferarra (77' Ladder) Intruder 2 with 1500 GPM pump
Car 7 (08U1)	2008	Chevrolet 3500 Pickup Truck
Boat 7 (10B1)	2010	USA Rescue Sea Wolf
Engine 6 (10E3)	2010	Rosenbauer / Freightliner with 1250 GPM pump
Rescue 7 (15R2)	2015	Ford F350 Pickup Truck

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Grants & Gifts

In order to ease the financial burden on the Township, alternative funding sources are constantly sought. Grants from public or private concerns are pursued, with individual donations also being accepted. The following organizations provided cash donations in 2020:

- | | | |
|-----------------------|------------|-----------------------|
| 1. Marathon Petroleum | \$5,000.00 | TFT Hemisphere nozzle |
| 2. Individual gift | \$500.00 | Use to be determined |

Additional non-cash donations were also gratefully accepted from the below businesses in 2020:

1. American Red Cross
2. Bay Area Rental
3. Serv-A-Pure
4. The Home Depot
5. US Ecology
6. Village Towing
7. Walmart

The above gracious donations allowed the Department to purchase life-saving items and provide services to the community, and for this we thank them.

Miscellaneous

8. COVID-19 created
 - a. Decreased call – Med Control stopped EMS response
 - b. Suspended everything
 - c. Emergency Order & stations locked down

All Class B foam 5-gallon pails were removed from the stations in March, with the remaining PFAS containing foam being removed from the fire engine tanks soon. Fire engine tanks will receive decontamination following foam removal.

Two of our POC's firefighters, R. Struck and F. Bradley became Emergency Medical Technicians (EMT's) in 2020. This training provides expanded care potential for EMS runs, which make up approximately 70% of the Department's call volume.

Two of our POC's were promoted to the rank of Engineer in 2020. Similarly, to our new EMT's, more Engineers expand our capabilities to provide emergency services. Thank you to Firefighter's R. Struck, B. Lanning, and A. Rahn, not to mention those who trained them, for making this time commitment to the Department.

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Thank you to the State of Michigan and US Ecology for responsibly disposing of our Class B foam which contained PFAS containing.



Thank you to the Township Board, design team & Bangor community for approving the new fire engine. Expected delivery date July 2021.



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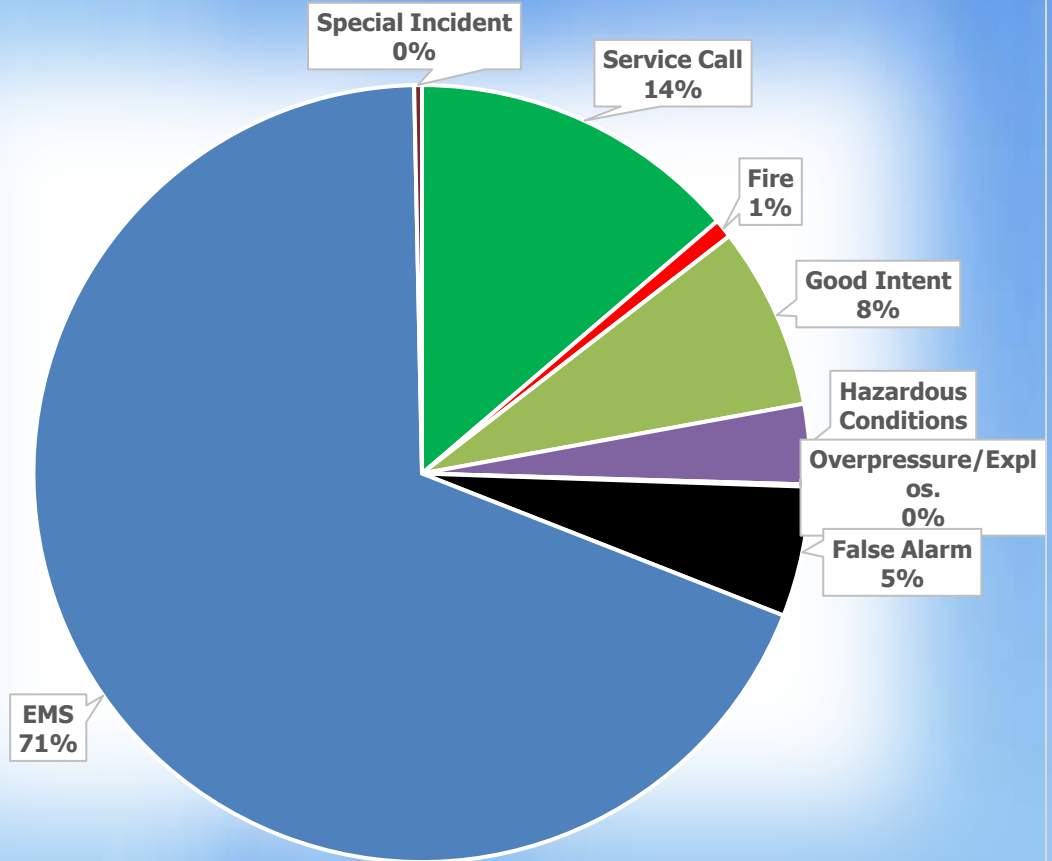
Clockwise from upper left:

1. Structure fire on Huron
2. Vehicle crash at Euclid/Wilder
3. Annual fire hose testing
4. Flooding in Midland



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2020 Calls By Type

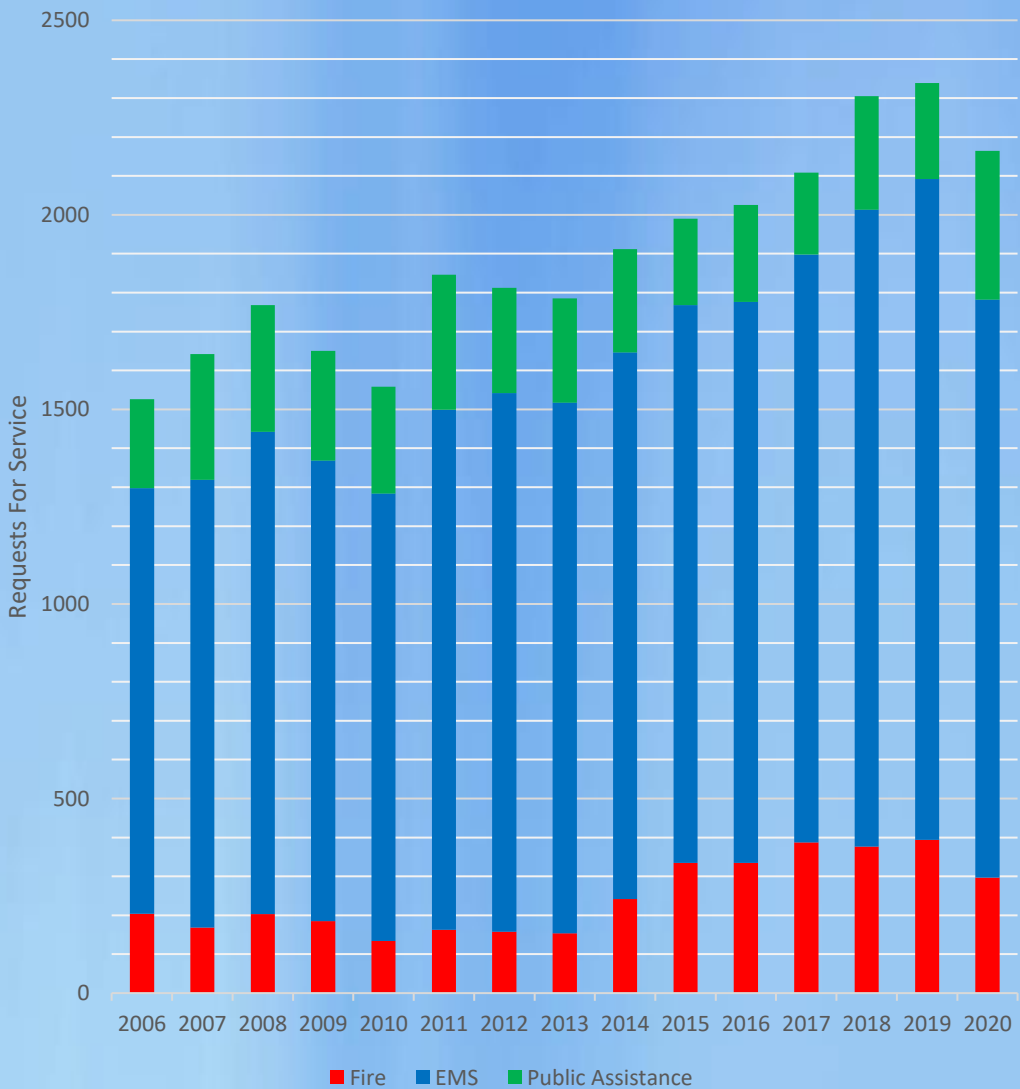


Run Statistics

- EMS accounted for the largest percentage of our calls in 2020, with 1485 medicals.
- False alarms accounted for 115 calls.
- The call percentage for Station 6 was 53%, compared to Station 7 at 47%.
- 25 mutual aid calls, with 4 received & 21 given.
- Fire loss/pre-incident value:
 - Property / content loss: **\$22,295.00**
 - Pre-incident value: \$1,205,200.00
 - Property saved: **\$1,182,905.00**
- Overlapping runs – 613 (28%)
- Average response time: Emergent – 5.06 minutes and Non-emergent – 6.29 minutes

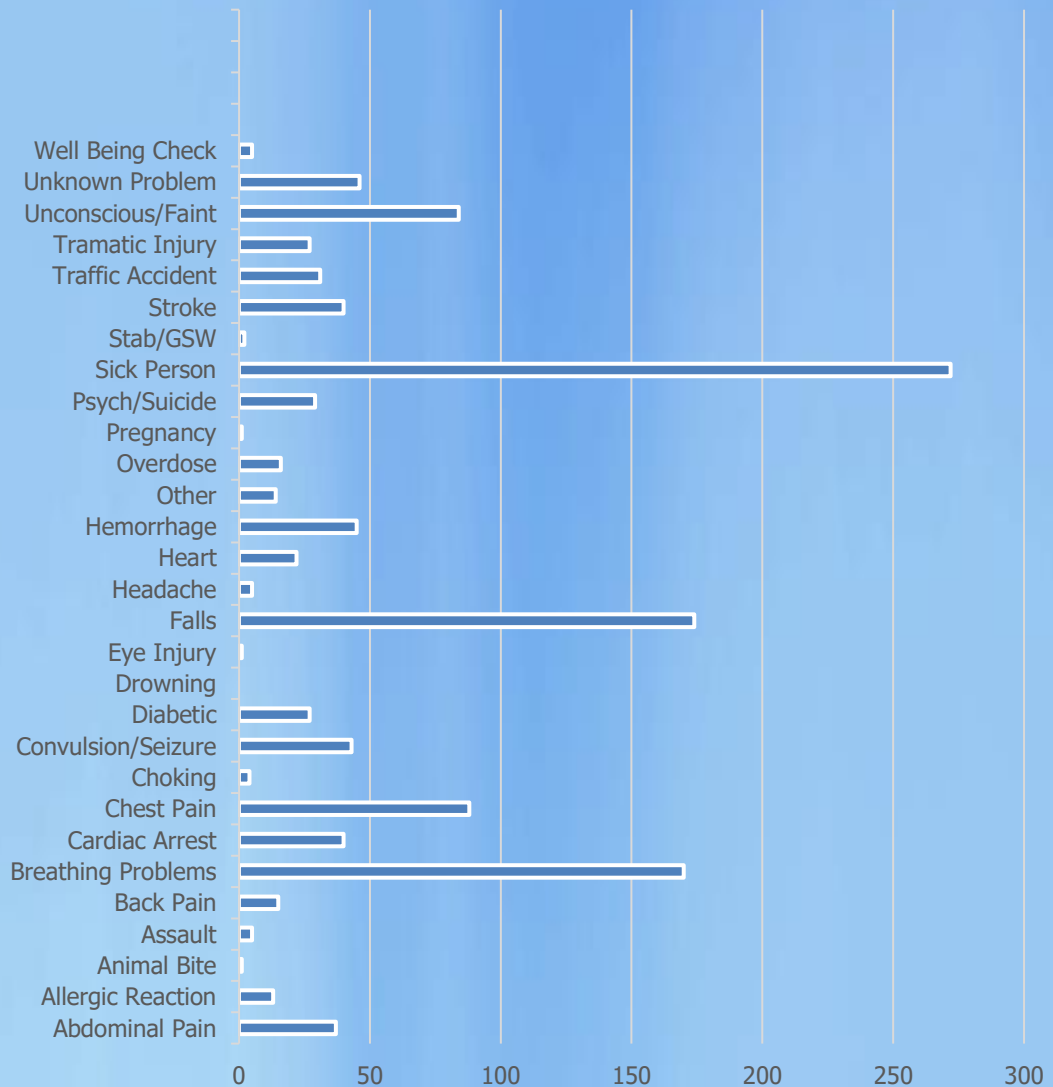
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15 Year Call Comparison of Services



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2020 EMS Calls By Type



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15 Year Call Volume Chart

