

Public Safety Data Analysis
Defining the Challenges
Facing Billings

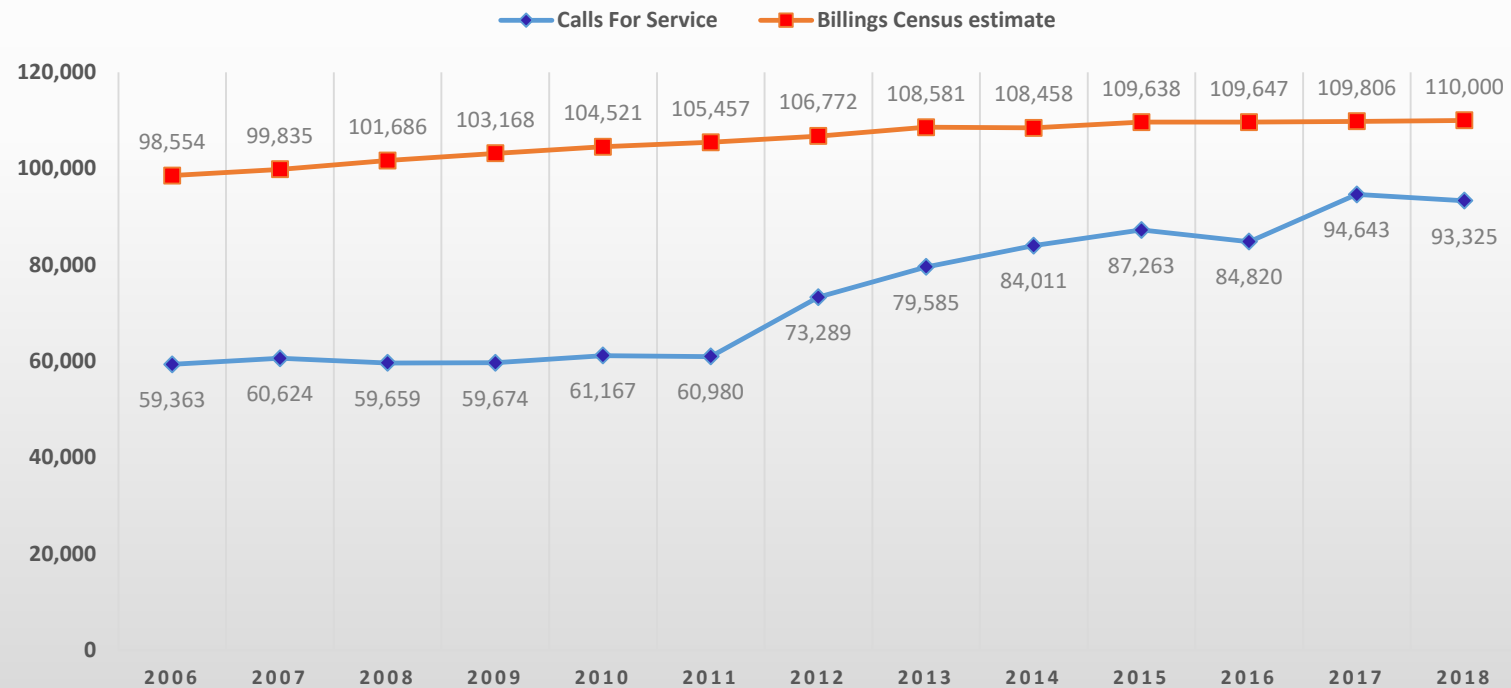
Peer City Data

Peer City	Population	MSA Pop.	Median Household Income	Change in Household Income 2000-2017	Median Home Price	Unemployment Rate	Labor Force Participation Rate	Families with Children	Ages 20-64	Fire Staff	Police Staff	Total Staff	
Fargo ND	110,000	245,000	\$50,561	-4.6%	\$259,900	3.2%	75%	49.5%	64.3%	123	204	1930	
Sioux Falls SD	177,000	266,000	\$56,714	-2.9%	\$161,500	3.6%	74.5%	51.1%	60.8%	194	269	1244	
Pueblo CO	111,127	160,545	\$43,148	-15.2%	\$182,800	10.3%	54.8%	50.3%	57.4%	145	293.5	801.5	
Fort Collins CO	165,000	310,000	\$57,831	-3.4%	\$391,500	5.9%	70%	48.5%	65%	240	329	2,635	
Boise ID	226,000	710,000	\$52,249	-1.5%	\$349,900	5.0%	68.8%	48.2%	61.8%	182	243	880	
Bend OR	95,000	166,000	\$55,625	-1%	\$453,500	4.9%	66.9%	48%	59.6%				
Eugene OR	169,000	375,000	\$44,859	-5.4%	\$339,900	7.4%	62%	44.9%	62.4%				
Rochester MN	116,000	218,000	\$71,985	-3.2%	\$226,400	4.9%	71.2%	51.5%	59.6%	136	176	660	
Missoula MT	70,000	119,000	\$54,311	14.3%	\$304,600	6.2%	71%	46.2%	65.5%	93	133	538	
Billings MT	110,000	172,000	\$55,585	5.5%	\$234,600	3.4%	67.5%	47.9%	58.8%	158.8	182.3	921.5	

Law Enforcement Crime Date

BPD Calls For Service with Population Growth

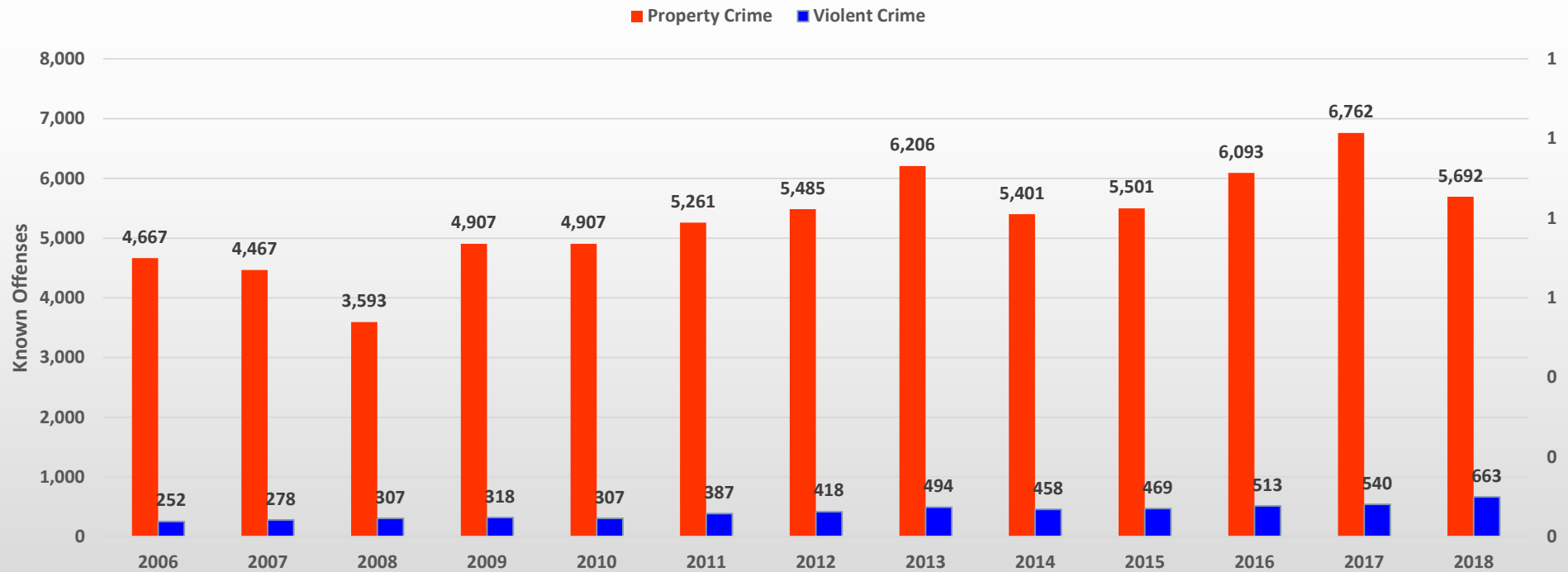
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Calls For Service	59,363	60,624	59,659	59,674	61,167	60,980	73,289	79,585	84,011	87,263	84,820	94,643	93,325
Billings Census estimate	98,554	99,835	101,686	103,168	104,521	105,457	106,772	108,581	108,458	109,638	109,647	109,806	110,000



Source: Calls For Service from BPD annual reports; Census estimates from FactFinder.census.gov

BPD Historical Data Summarized

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Calls For Service	59,363	60,624	59,659	59,674	61,167	60,980	73,289	79,585	84,011	87,263	84,820	94,643	93,325
Property Crime	4,667	4,467	3,593	4,907	4,907	5,261	5,485	6,206	5,401	5,501	6,093	6,762	5,692
Violent Crime	252	278	307	318	307	387	418	494	458	469	513	540	663

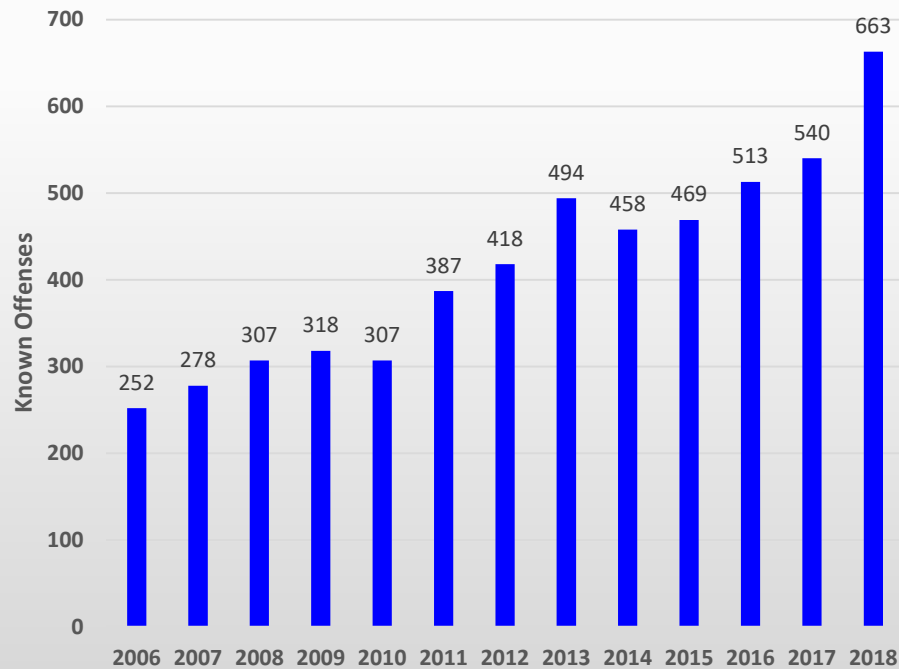


Source: BPD Annual Reports

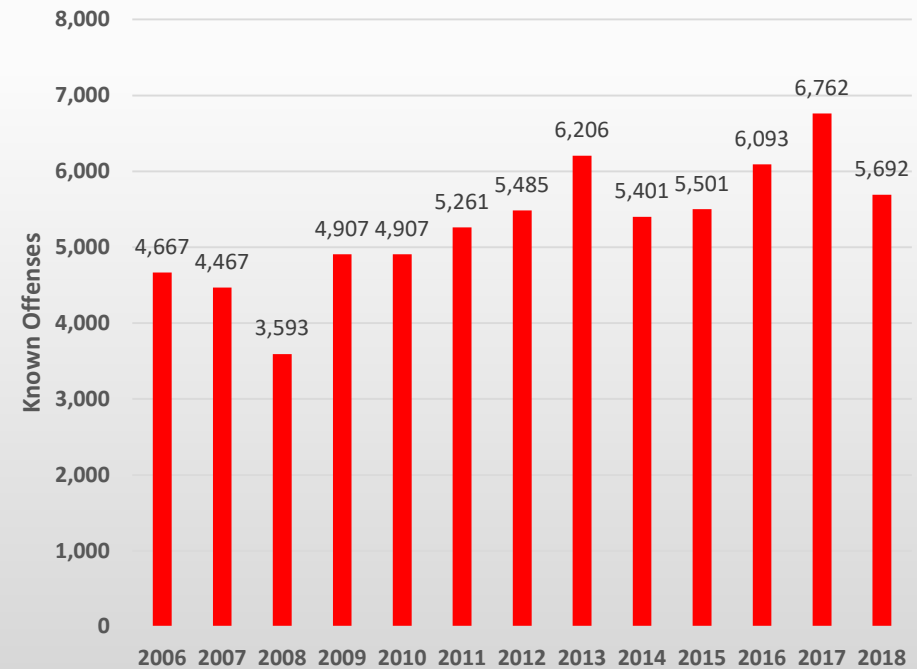
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Violent Crime



Property Crime



Source: BPD Annual Reports

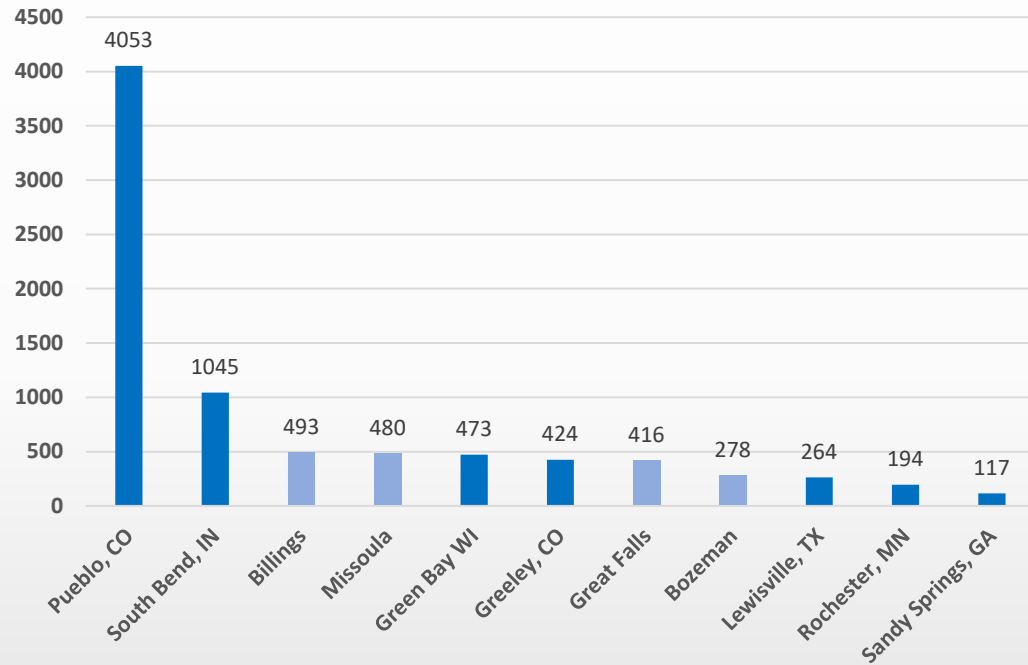
BPD Historical Data: Trend Lines Project Crime Increases



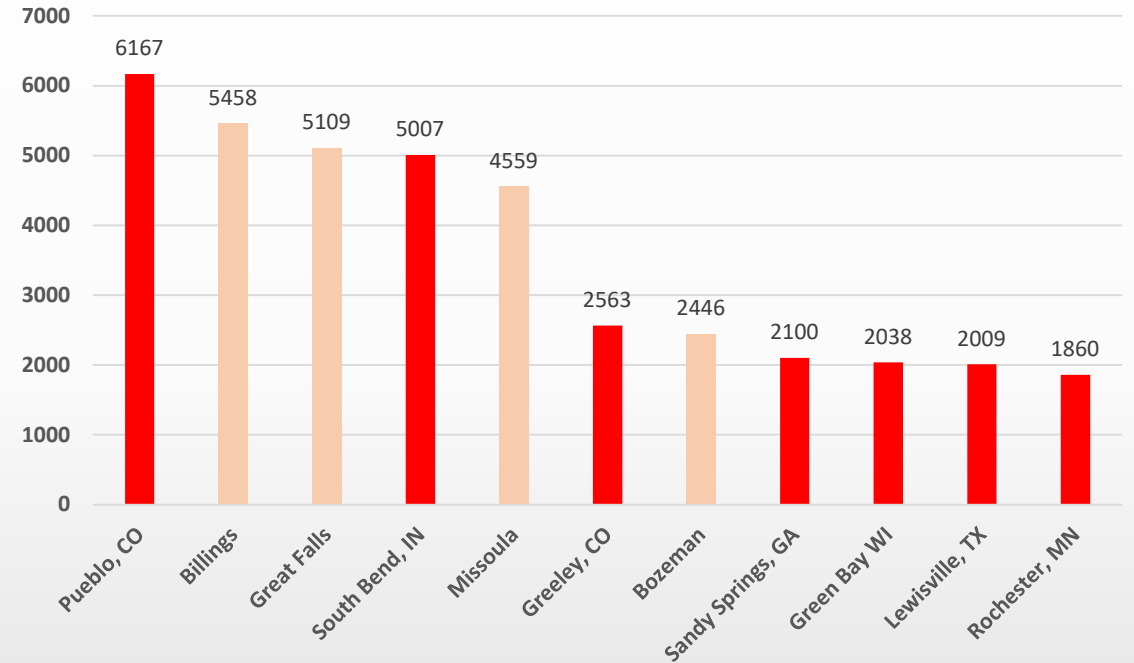
Source: BPD Annual Reports

Comparative Cities' Crime Rates in Descending Order

Violent Crime Rate



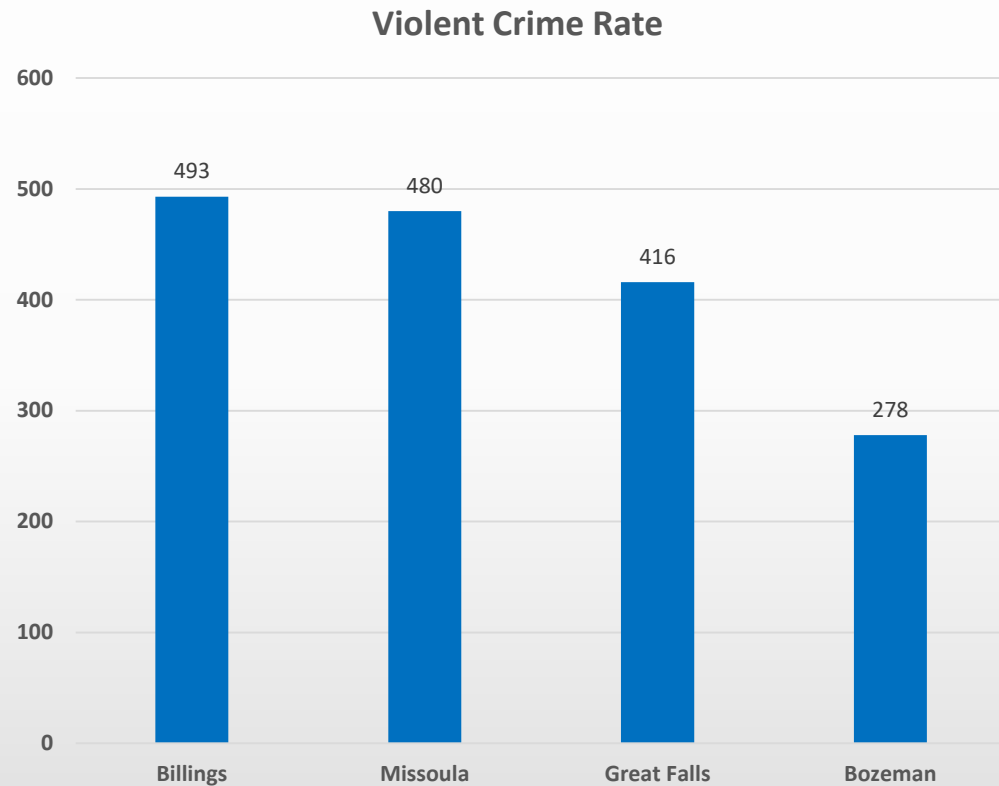
Property Crime Rate



Source: FBI Crime in the US 2017

Formula: Known offenses in crime category divided by population and multiplied by 100,000

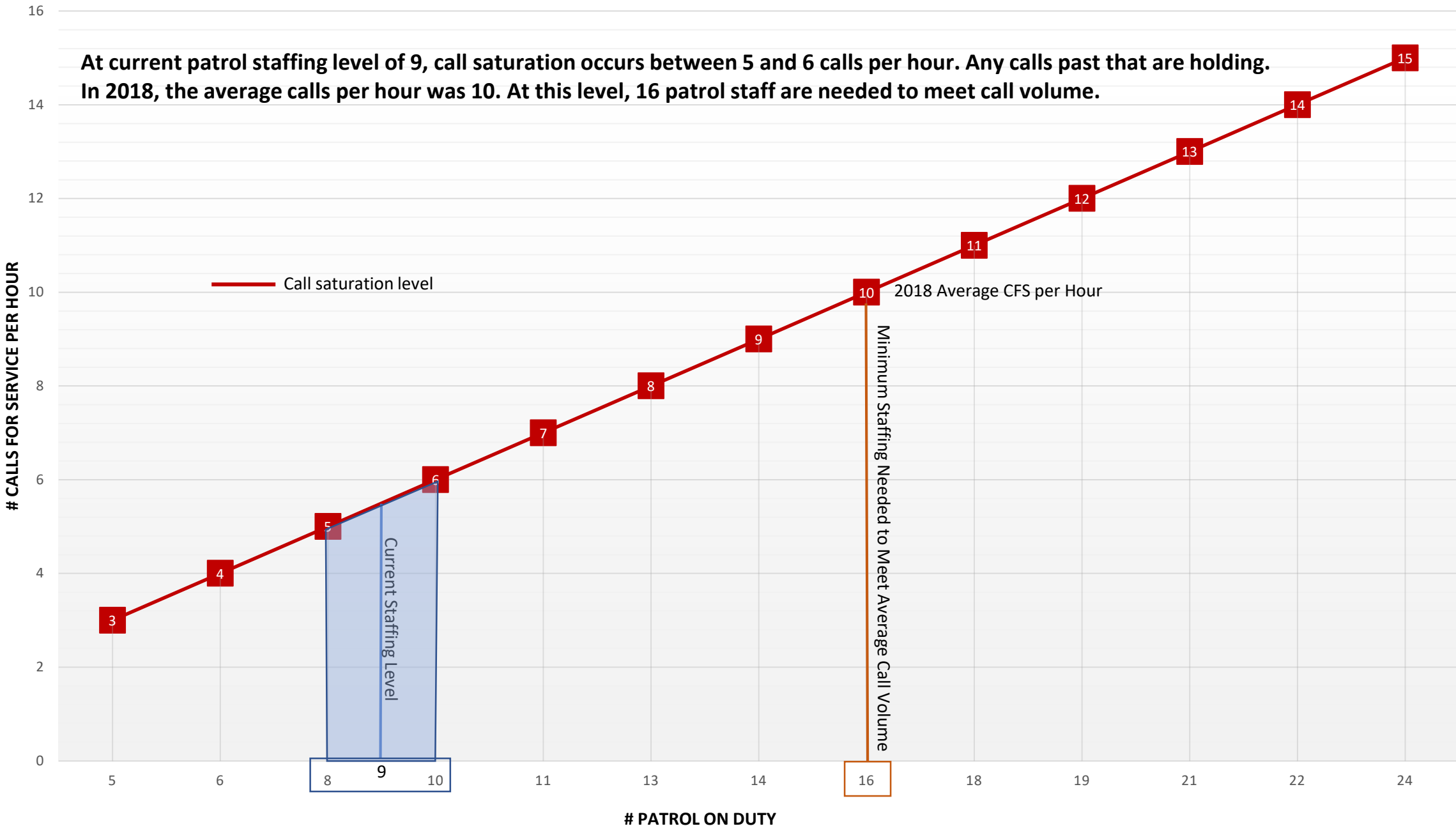
Montana Cities' Crime Rates in Descending



Source: FBI Crime in the US 2017

Formula: Known offenses in crime category divided by population and multiplied by 100,000

At current patrol staffing level of 9, call saturation occurs between 5 and 6 calls per hour. Any calls past that are holding. In 2018, the average calls per hour was 10. At this level, 16 patrol staff are needed to meet call volume.



Prosecution Data

Prosecution Data

- No prosecuting attorneys added since 2007
- Case load numbers have increased 55% between 2007 - 2017
- Warrant requests have increased 57% in the last 10 years
- Sworn officer force has grown from 135 to 153 last 10 years

Statistical Comparisons

- Misdemeanor Case load per attorney
 - Billings: 3 prosecutors - 1378 cases/attorney
1 domestic violence prosecutors 799 cases
 - Missoula: 5 prosecutors 875.8 cases/attorney
 - Bozeman: 4 prosecutors 306.5 cases/attorney
- Support Staff
 - Billings: 3 legal assistants/.5 admin support
 - Missoula: 5 legal assistants
 - Bozeman: 4 legal assistants

Statistical Comparisons continued

- 60 misdemeanor cases generated each year per uniformed officer
- 10 new officers would increase 600 misdemeanor cases in addition to the current caseload for the 4 Deputy City Attorneys – an increase of 125/ attorney

Code Enforcement Division

Planning & Community Services Department

- Preserving, Protecting & Enhancing Quality of Life in Billings' Neighborhoods

Organization & Capacity

○ 1991

- 2 Code Officers
- 1 part-time Clerk
- 1 seasonal full-time secretary (May-Oct)
 - Population of Billings = 81,125
 - Area of Billings = ~32 square miles

Code Complaints in 1991 = 409

City Codes Enforced by Division = 2

(Zoning – Chapter 27 and Nuisance Weeds – Chapter 25)

Complaint – Based Enforcement response

205/cases/officer/year

-or- about **1**/new case/officer/workday

○ 2019

- 2 Code Officers for Residential areas
- 1 Code Officer for Blighted & Abandoned Property
- 1 Code Officer for Commercial areas (vacant)
- 1 full-time Clerk + 1/3 of receptionist
 - Population of Billings = ~110,000
 - Area of Billings = ~45 square miles

Code Complaints in 2018 = 6,173

City Codes Enforced by Division = 22 (of 28)

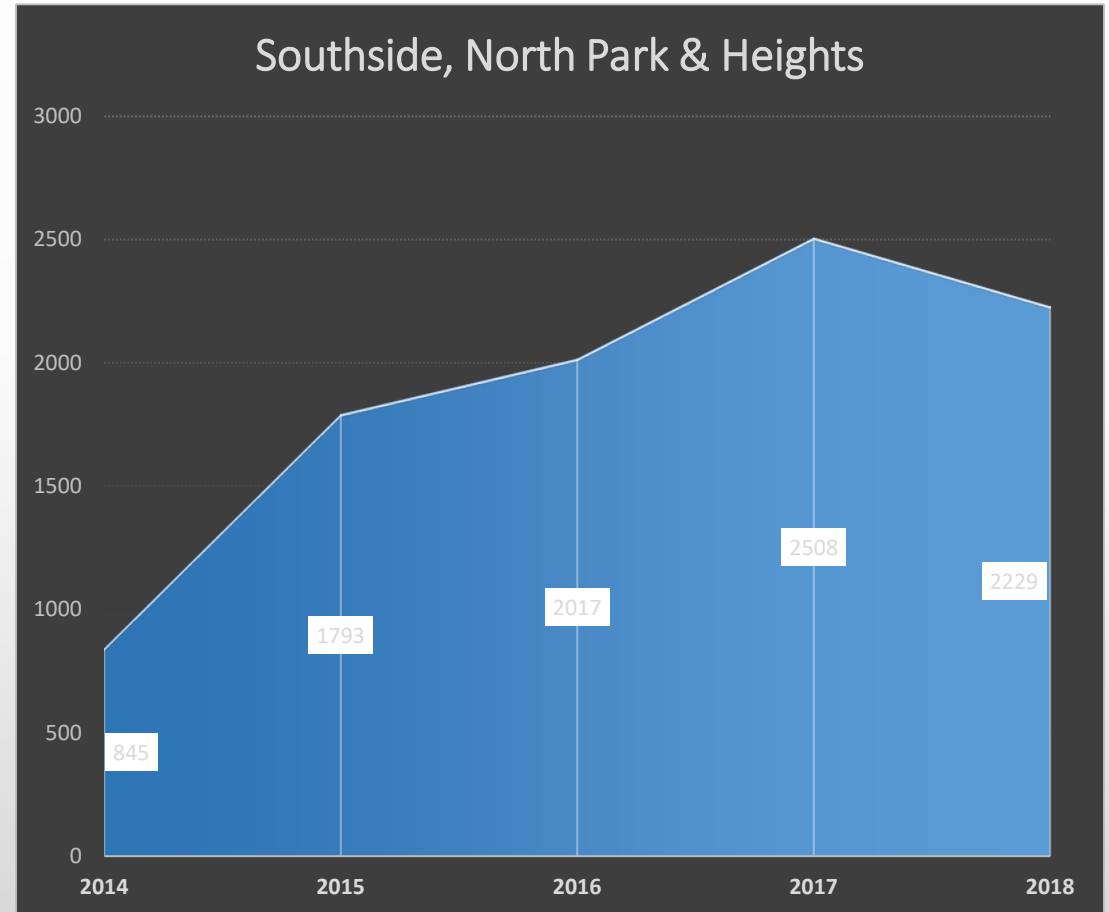
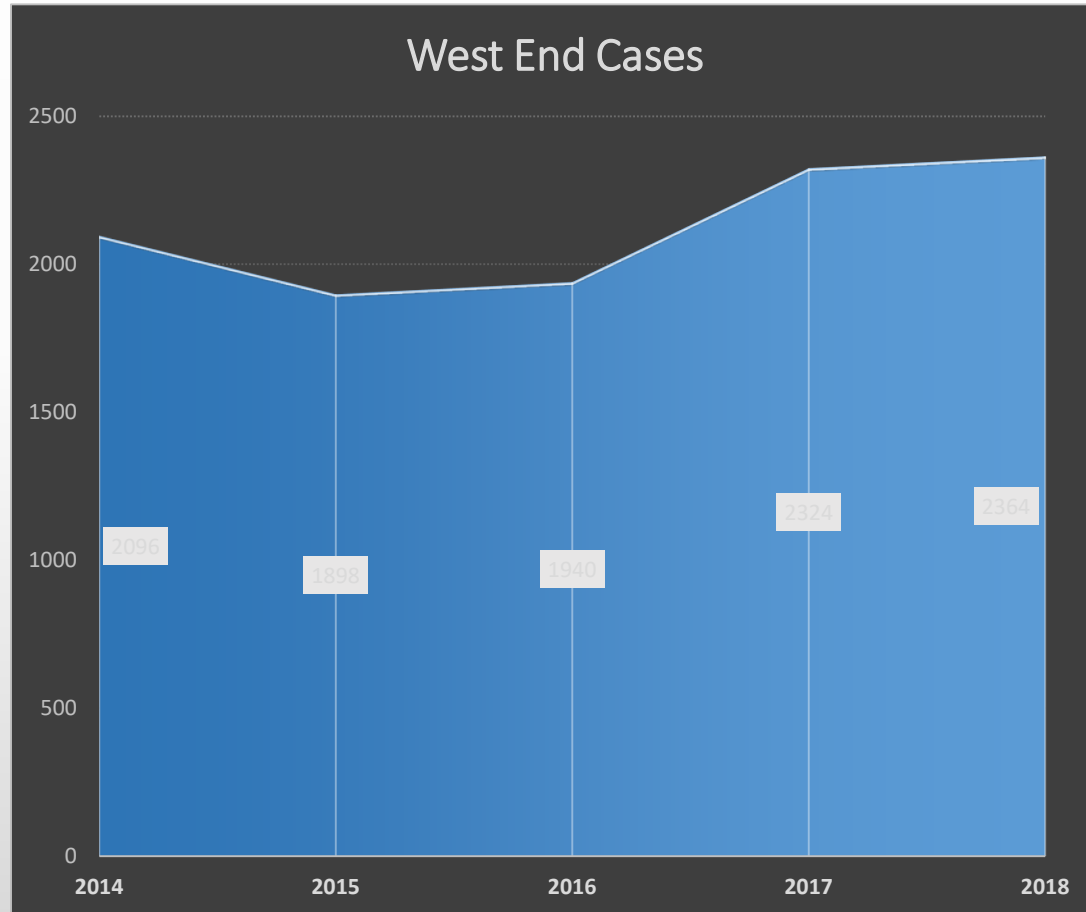
(1 or more codes sections in Chapters 4, 6, 7, 13, 14, 15, 18, 21, 22, 24, 25, 26 & 27)

Complaint-Based Enforcement Response

1,543/cases/officer/year

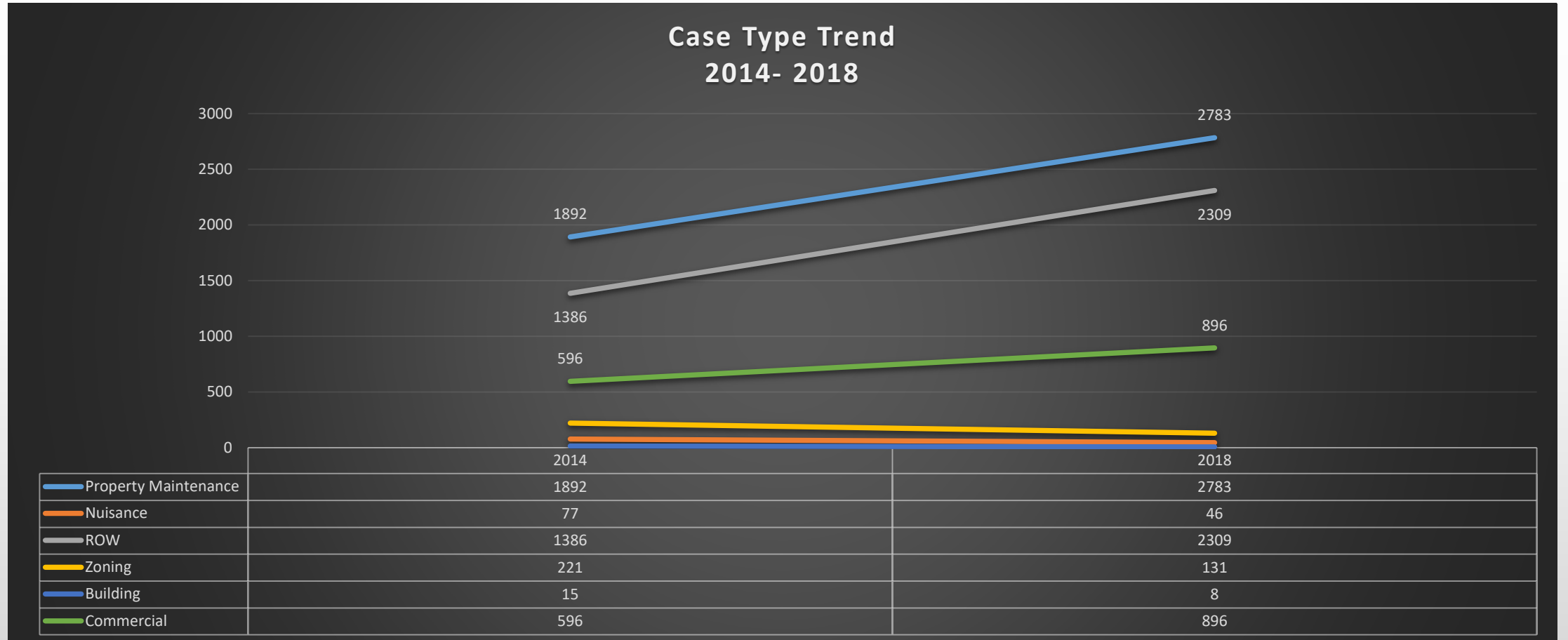
-or- about **8**/new cases/officer/workday

5-year trends – Billings' Neighborhoods



10 to11 New Cases/Work Day/Residential Officer

5-year trend – Case Types



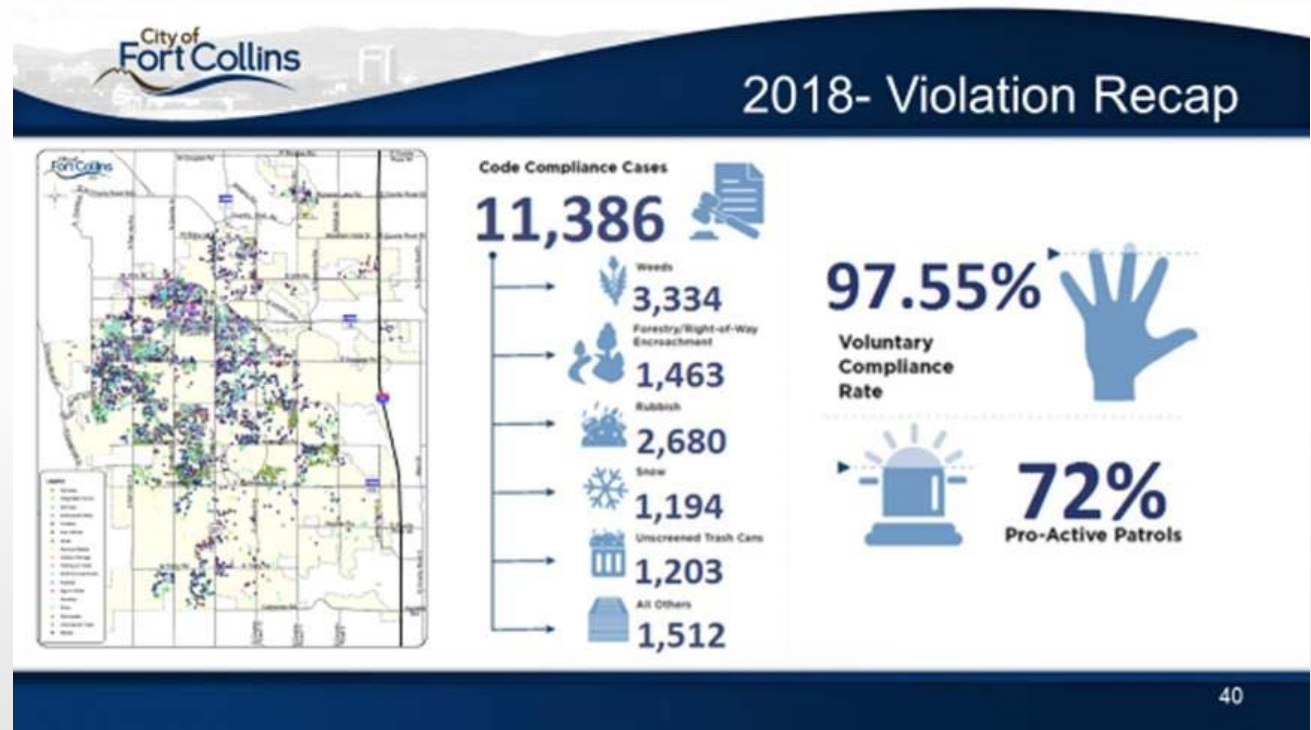
Peer Cities – Complaint Based Enforcement

City	Staff	Population	Cases/Year	Similar Codes	Budget	Dept	Program Proactive	Program Complaint Based
Bend, OR	4+ 1 Supervisor	97,590	2,219 ~550/officer	Yes	\$616K	Community Development	No	Yes
Boise, ID	8+ 1 Supervisor+ 1 seasonal	217,000	Unknown	Not Zoning Parking, Nuisance & Junk Vehicles	\$800K	City Administration	No	Yes
Eugene, OR	5+ 1 Supervisor+ 1 Admin Coordinator	169,000	Unknown	Yes Public Works handles weed complaints		Planning & Development	No	Yes
Fargo, ND	1+ 1 Supervisor	125,000	No data yet New program	Just Public Nuisance Health handles weeds & hoarding	\$130K	Inspections Division	No	Yes
Fort Collins, CO	6+ 1 Supervisor+ 2.5 Administration	165,000	11,386 ~1897/officer	Yes	\$800K	Community Development Neighborhood Services	Yes – all areas	Some
Missoula, MT	2	74,000	Unknown	Just snow & weeds	Unknown	Development Services	No	Yes
Pueblo, CO	7+ 1 Supervisor+ 20 part time cleanup crew	112,000	Unknown	Yes	Unknown	Police	Yes – 2 Officers	Yes
Rochester, MN	1+ 1 Supervisor + 2 Administration	117,000	Unknown	Less but similar Parks handles weeds	Unknown	Community Development	No	Yes
Sioux Falls, SD	3 Prop maintenance 5 Zoning 6 Health + 1 Supervisor	182,000	6,080 (2016) 434/ officer	Prop Maintenance = Rentals, Weeds & Snow Zoning = Fences & Parking Health = Junk, garbage & Junk vehicles	Health Insp \$500K Others Unknown	Planning & Development	No	Yes
Billings, MT	4+ 1.3 Administration	110,000	6,137 ~1534/officer	22 sections of City Code (out of 28)	\$539K Includes 55K abatement fund	Planning & Community Services	No	Yes

Peer Cities – Proactive Programs

Fort Collins, CO

- All city streets and alleys inspected by Code Enforcement Officers every 4-6 weeks.
- All violations written up for notice
- Officers allowed to cite immediately for repeat violations
- Fort Collins, CO received Malcom Baldrige Award in 2017 – Excellence in Governing
- Uses Community Open Book for Public Information



Peer Cities – Proactive Programs

Pueblo, CO

- 2 of 7 Officers assigned to Proactive enforcement
- Uses complaint data to target high complaint areas
- 20 Part-time clean up crew
- Completed 400+ abatement/cleanups in 2019



The Role of the Pueblo Police Department Code Compliance Unit is to enforce Pueblo Municipal Codes pertaining to health, sanitation, zoning regulations and other quality of life issues.

Code Compliance Unit mission statement:

Code compliance applies to numerous issues that affect the environment, health, safety and well being of a community, as well as property values. The preservation and improvements created by code compliance is recognized by our government and citizenry as a necessity to halt or reverse deterioration of our community. Code compliance strives to achieve voluntary compliance through contact, education and guidance with punitive action taken as a last resort.

Unit Goal:

Create a partnership with citizens to enhance and continue to improve the

Illegal dumping
Sec. 7-3-6. Disposal at
designated facilities.



(a) All rubbish, trash, litter and garbage shall be disposed of only by delivery to duly designated solid waste disposal facilities or qualified recycling facilities. It shall be unlawful and a municipal offense for any person to dump, deliver or dispose of rubbish, trash, litter and garbage anywhere within the City except at a duly designated solid waste disposal facility or qualified recycling facilities. If any rubbish, trash, litter or garbage is disposed of other than in compliance with this Chapter, and the ownership of the rubbish, trash, litter or garbage can be ascertained from the contents thereof, the owner so ascertained may be prosecuted for such unlawful dumping, delivery or disposal of the rubbish, trash, litter or garbage.

(b) Containers which are provided in any public place or facility for the disposal of litter are provided only for the purpose of disposal of litter and trash produced or generated upon or within said public place or facility or by activities lawfully conducted therein. It shall be unlawful and a municipal offense for any person to deposit or dispose of litter which is produced or generated off the site of any public place or facility in any containers provided in any public place or facility for the disposal of litter.

(c) It shall be unlawful and a municipal offense for any person to dispose of litter in any container maintained by another person for disposal of litter unless the person has been granted permission to so use said container or unless the person is a business invitee of the person maintaining the container and is disposing of litter generated on the premises where the container is located.



City of Pueblo

Police Department

Code Compliance
Unit

200 S. Main Street

Pueblo, CO 81003

719-553-2592



Reactive Needs Now/Proactive Needs Future

○ 2019

- 4 Code Officers for Residential/Commercial (Districts) **(Add 1 New Officer)**
- 1 Code Officer for Blighted & Abandoned Property
- **1 full-time Code Enforcement Supervisor**
- **1 City Legal Assigned Paralegal**
- 1 full-time Clerk + 1/3 of receptionist
- **Added Budget for PCSD Director oversight**
Complaint Enforcement Response

○ 2024

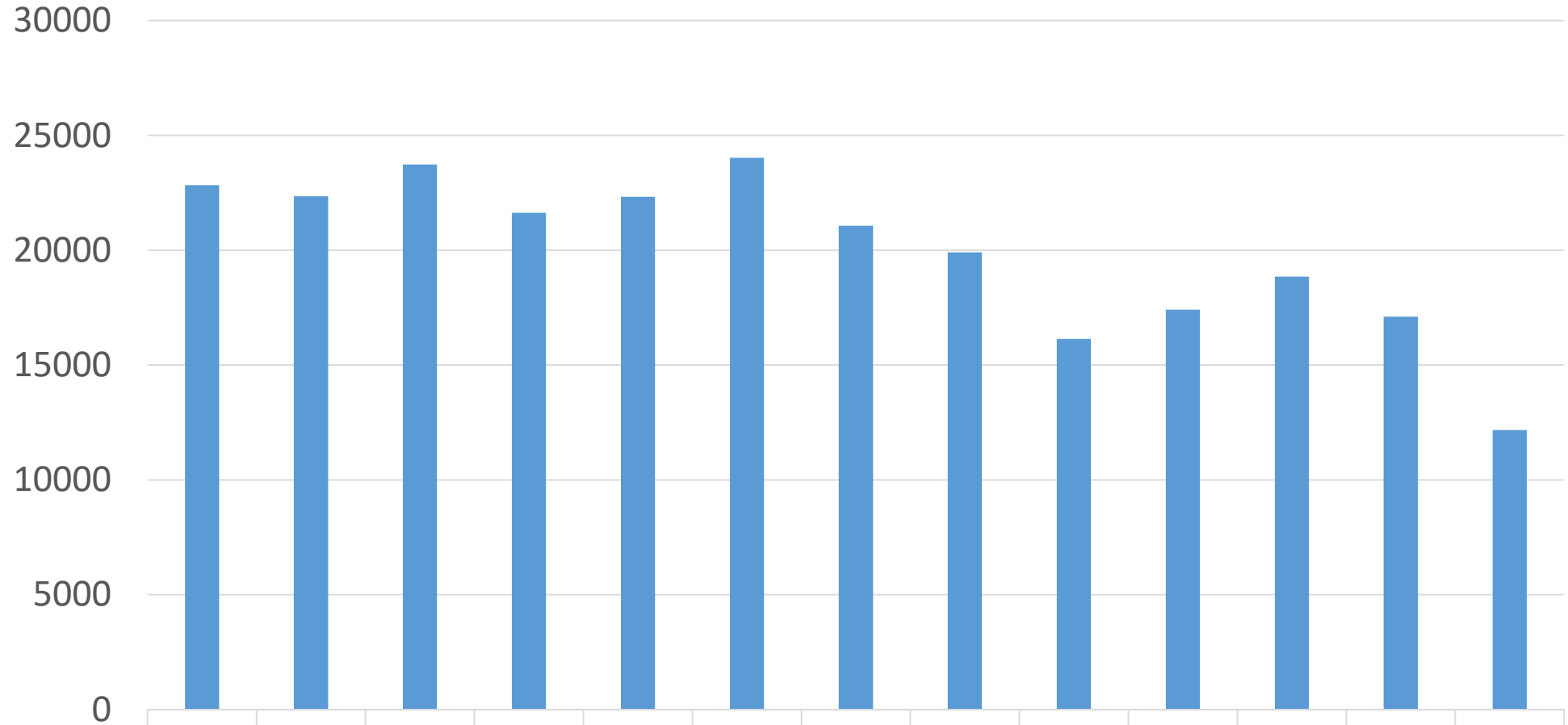
- 4 Code Officers for Residential/Commercial (Districts)
- 2 Code Officers for Blighted & Abandoned Property **(Add 1 New Officer)**
- 1 full-time Code Enforcement Supervisor
- **1 City Legal Assigned PT Attorney**
- 1 full-time Clerk + 1/3 of receptionist
- **Added Budget for Derelict Property Acquisition and Neighborhood Cleanup Programs with PD, PW, TF, others**
Complaint and Proactive Enforcement Response

Municipal Court

Public Mill Levy

Filed Statute Information

- Average filed ticket from 2007 to 2018 is 20,615
- Highest year 2012 at 24,027 tickets filed
- Lowest year 2015 at 16,139 tickets filed
- Graph below, tickets have been on a slight decline since 2012
- Average of tickets from 2014-18 is 17,883



■ Cases Filed	22831	22352	23733	21634	22328	24027	21064	19912	16139	17410	18849	17106	12167
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■ Cases Filed

Impact of approval of PSML

- For every uniformed officer approximately 60 misdemeanor cases are generated each year, if TEN (10) new officers are hired this would be an increase of 600 misdemeanors cases per year.
- 600 cases per year / 50 additional cases per month
- 2100 cases per year after fully staffed with 35 officers / 175 additional cases per month after fully staffed.

Immediate Needs

- No immediate needs requested.

Anticipated Needs

- Additional staff to address ticket increase.

Year 2: Bailiff

Year 4: Second Elected Judge, Legal Assistant, Court Clerk

Billings Fire Department

Public Safety Mill Levy Needs Analysis

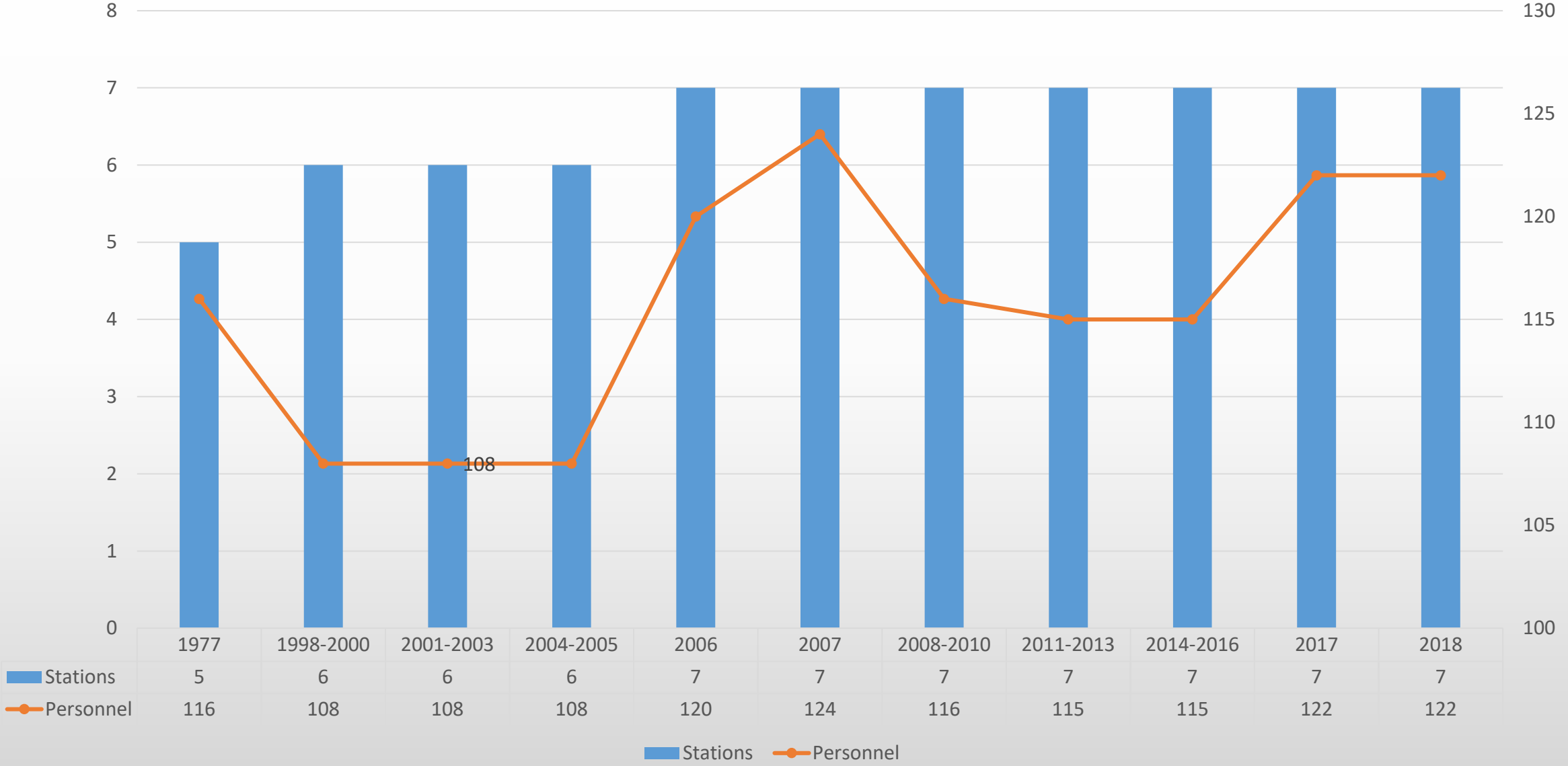
Why additional Firefighters and Staff are Needed

- Rapidly increasing population and development
- Rapidly increasing calls for service
- Increased hazards in the Community (Rail, Highway, and Industry)
- Increased recreation in high hazard areas needing emergency response
- Increase in Complex calls involving special team response

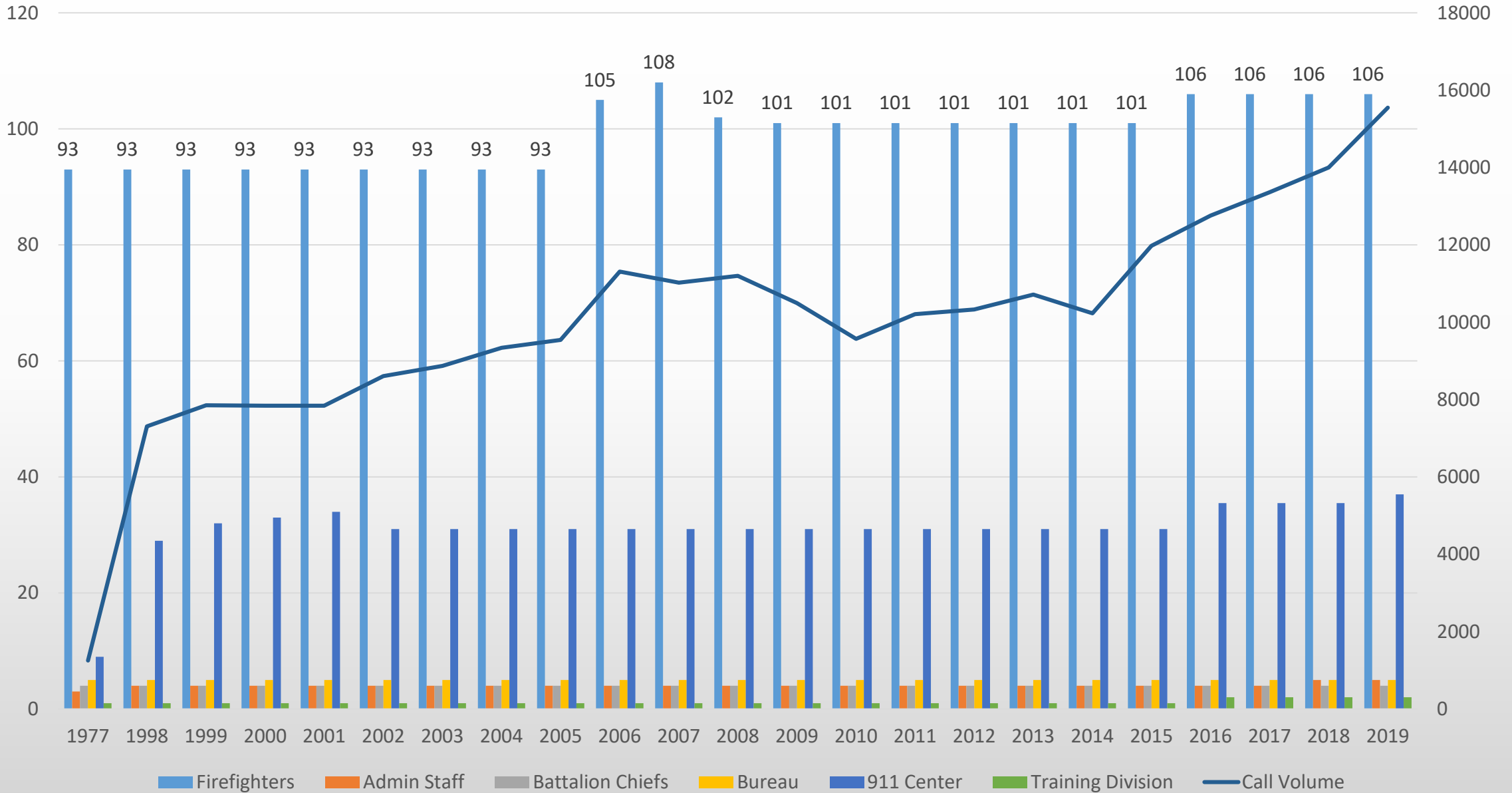
Population and Coverage

.		(5 Years)
● COB POPULATION	114,000	(120,840)
● BUFSA POPULATION	10,000	(10,600)
● COB COVERAGE AREA	43.75 SQ. MILES	
● BUFSA COVERAGE AREA	47.73 SQ. MILES	
● TOTAL COVERAGE AREA	91.48 SQ. MILES	

Station and Personnel History

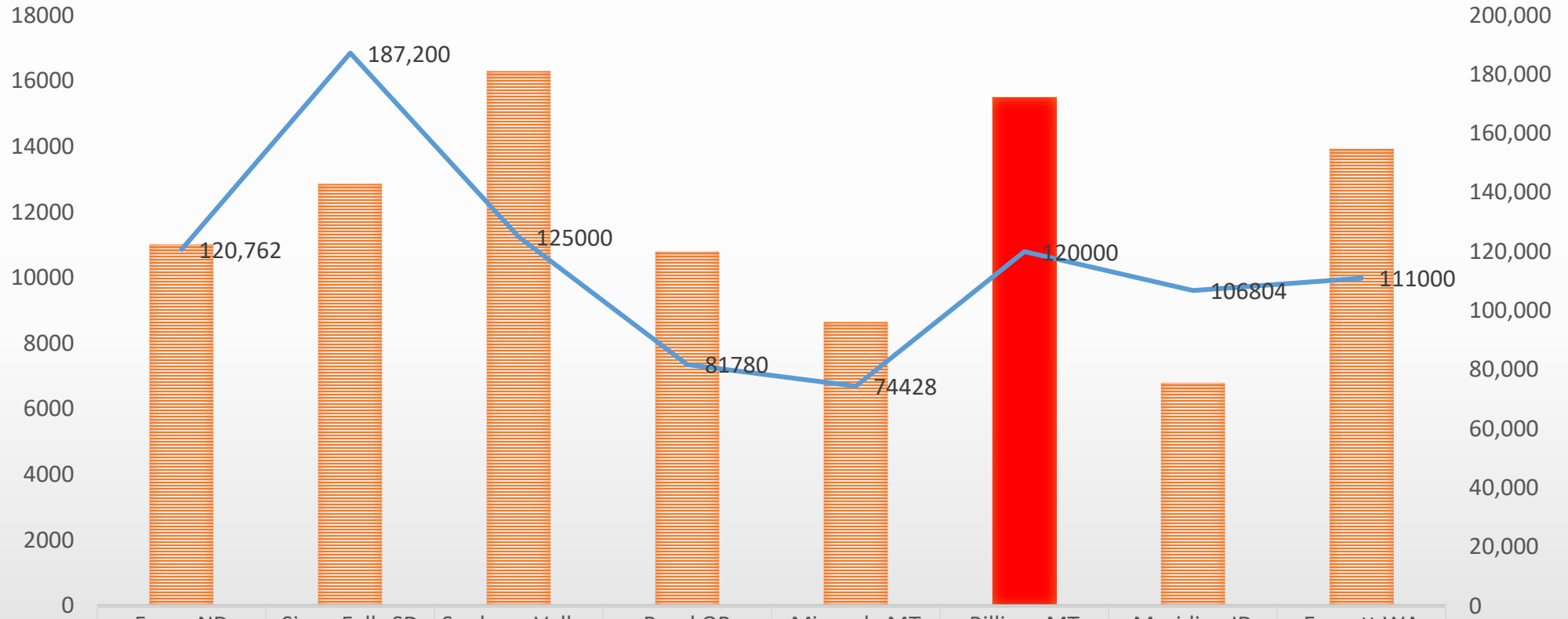


BFD Staffing Trends VS Call Volume



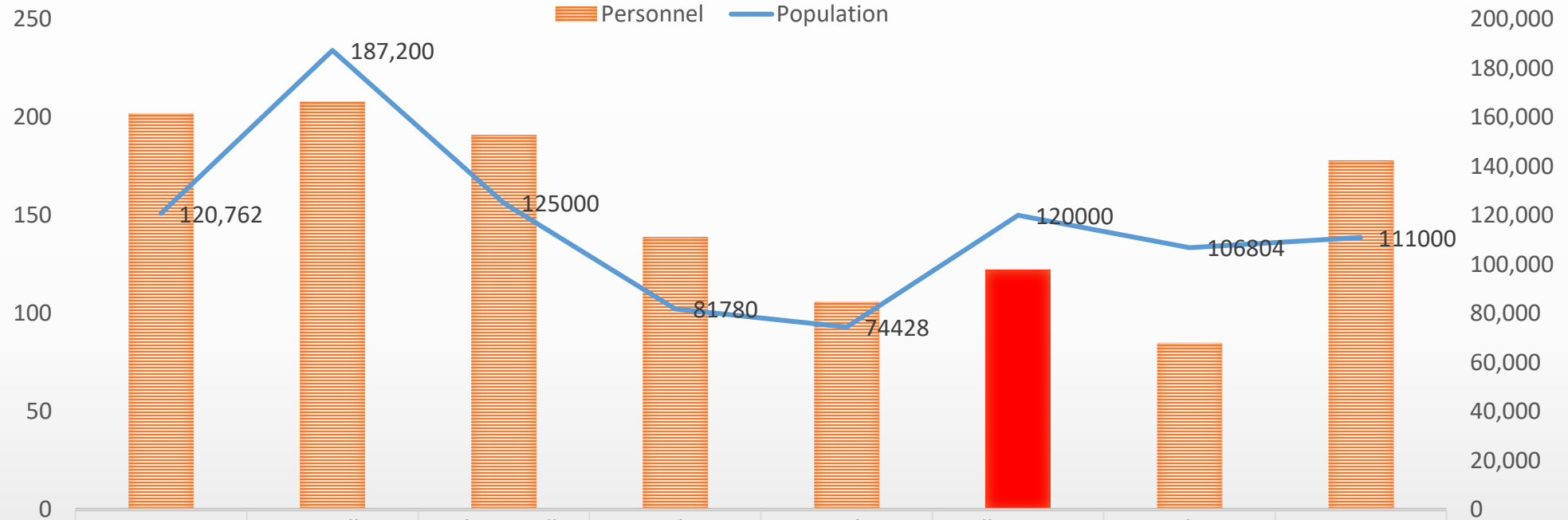
CITY COMPARISONS POPULATION/RESPONSES

Responses Population



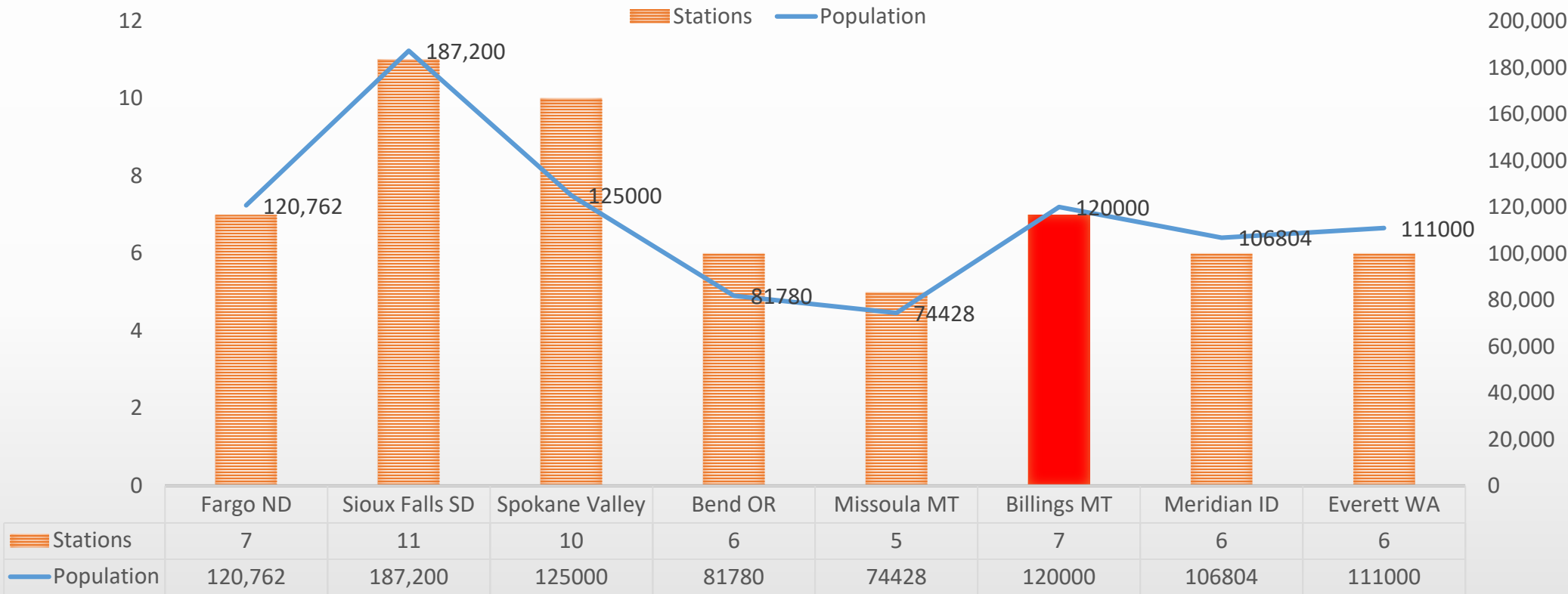
	Fargo ND	Sioux Falls SD	Spokane Valley	Bend OR	Missoula MT	Billings MT	Meridian ID	Everett WA
Responses	11014	12863	16300	10800	8650	15506	6800	13931
Population	120,762	187,200	125000	81780	74428	120000	106804	111000

CITY COMPARISONS POPULATION/PERSONNEL



	Fargo ND	Sioux Falls SD	Spokane Valley	Bend OR	Missoula MT	Billings MT	Meridian ID	Everett WA
Personnel	202	208	191	139	106	122	85	178
Population	120,762	187,200	125,000	81,780	74,428	120,000	106,804	111,000

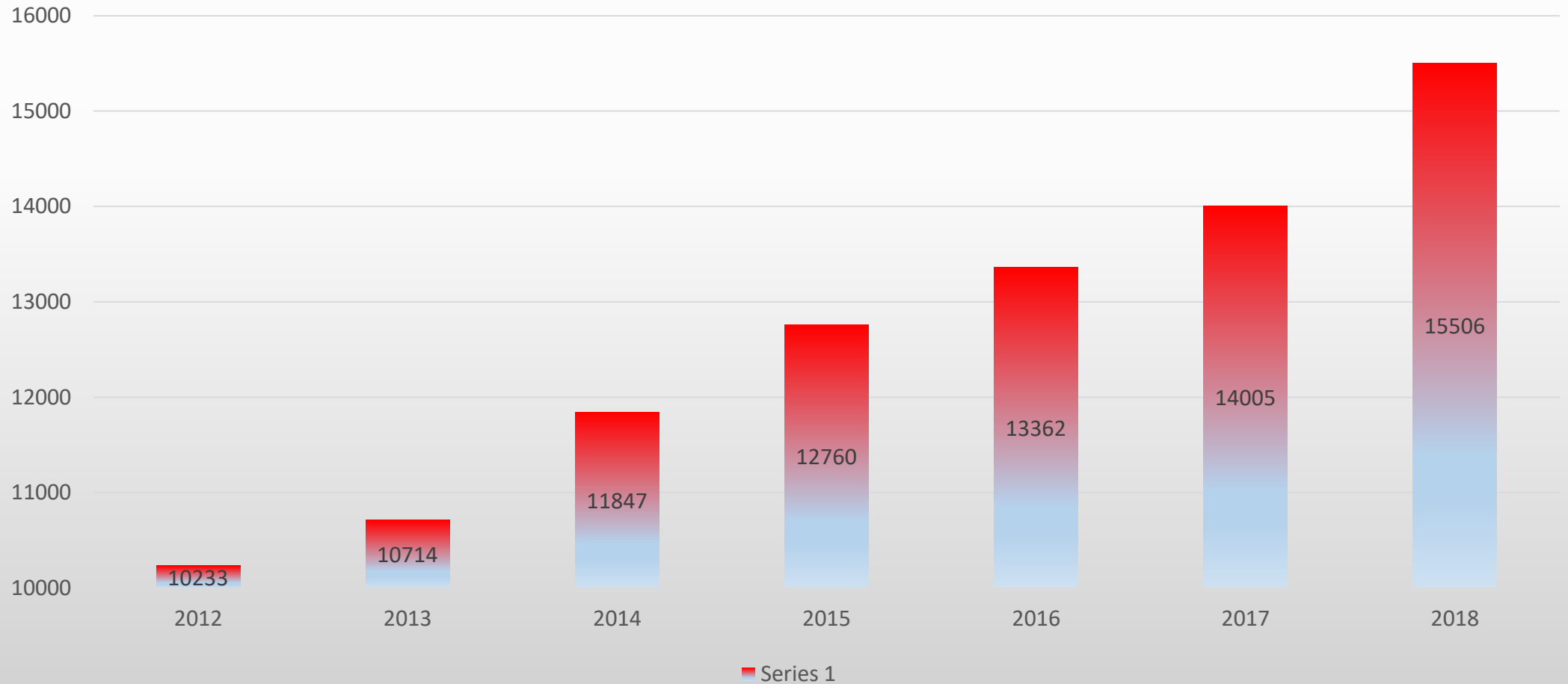
CITY COMPARISONS POPULATION/STATIONS



Facts

Billings fire has increased over 51% increase in calls for service since 2012

BFD Calls for Service



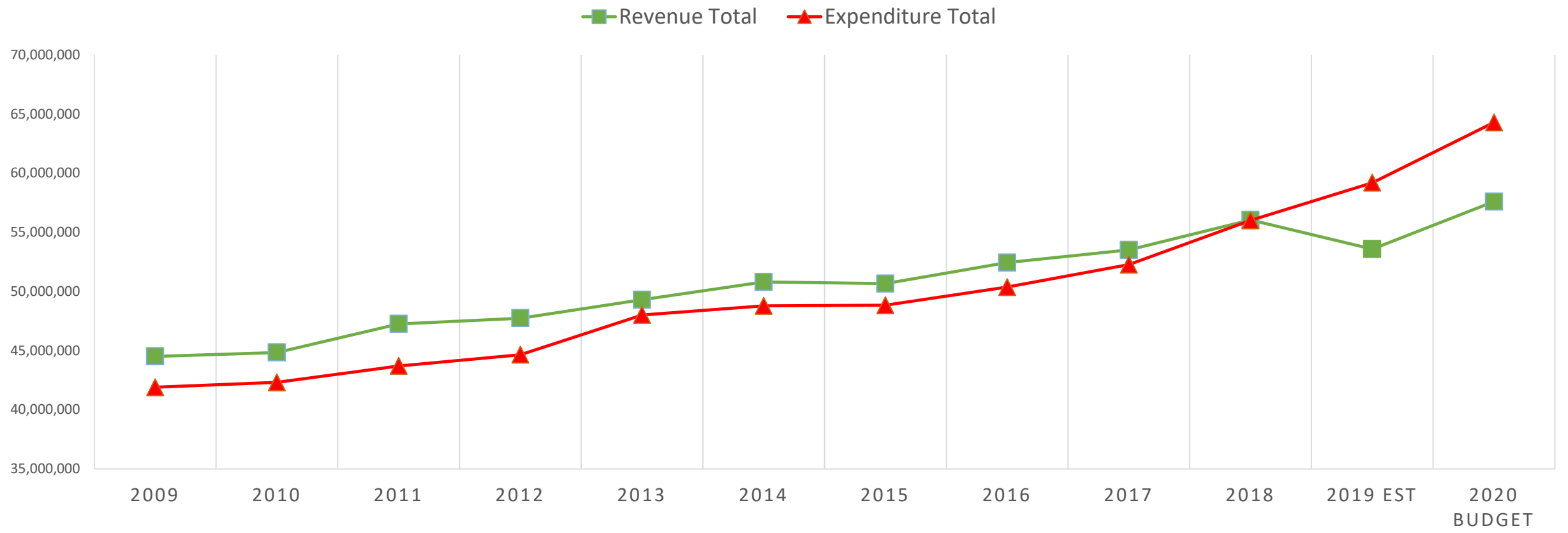
Travel Time for BFD vs National Standard

- **BFD FIRST ENGINE—1 ENGINE ARRIVING FROM THE FIRST ALARM RESPONSE**
- **BFD FIRST ALARM – 4 ENGINES, 1 AERIAL & 1 BC - 16 PERSONNEL**
- **AVERAGE TIME FOR BFD FIRST DUE ENGINE ARRIVAL WAS 7 MINUTES, 28 SECONDS 90% of the time. NEARLY TWICE THE RESPONSE TIME AS STANDARD (4 Min)**
- **AVERAGE TIME FOR BFD FIRST ALARM ARRIVAL WAS 14 MINUTES, 55 SECONDS 90% of the time. JUST UNDER TWICE THE RESPONSE TIME AS STANDARD (8 Min)**

GF/PSF Structural Imbalance



General Fund & Public Safety Fund Combined



Investments to Improve the Safety of Billings

Immediate Needs (spread over 3-5 years)

- Police
 - 36 officers (patrol & supervisory)
 - Approximately 1 vehicle per 2 officers
 - 3 Support Staff
 - 2 Animal Control
- Fire
 - Additional Staff to reduce OT for Ladder/Aerial Truck (3-6 Firefighters)
 - 3 Bureau Staff
 - 1 Facilities Maintenance Staff
 - 2 911 Operators
 - Required Equipment and Vehicles
- Court
 - Bailiff
 - Equipment & Office

Immediate Needs (spread over 3-5 years)

- Legal
 - 2 Attorneys
 - 2 Legal Assistants
 - 3 Paralegals
 - Addt'l Required Space Needs met through leasing
- Code Enforcement
 - Full-time Code Enforcement Supervisor
 - Code Enforcement Officer
 - Vehicle and Equipment
- Estimates for Facility Space needs are included for all departments

Additional 5 Year Needs

- Police

- 15 Officers (5 Per Year)
- 1 Support Staff
- 1 ACO
- Required Equipment and Vehicles

- Fire

- Fire Station 8
- Necessary Equipment and Staff for addt'l FS (approx. 15 FF)
- 3 Battalion Chiefs
- 6 9-1-1 Operators

Additional 5 Year Needs

- Legal
 - 1.5 Attorney's
 - Required additional equip and office space
- Code Enforcement
 - 1 Code Enforcement Officer
 - Additional funding for property cleanup program
- Court
 - Additional Fulltime Judge and required Staff

Additional 10 Year Needs

- Police

- 25 Officers (5 per year)
- 2 Support Staff
- Required Equipment and Vehicles

- Fire

- Fire Station 9
- Necessary Equipment and Staff for addt'l FS (approx. 15 FF)
- 1 Admin
- 1 Bureau Staff
- 1 9-1-1 Supervisor
- 3 9-1-1 Operators

Additional 10 Year Needs

- Legal
 - 2 Attorney's & Office Space

Mill Levy Summary

	Total Mills	10 year Avg. Annual Cost for a 200K home
Maintain Existing Service for 10 Years	60-70	\$145
Meet Immediate Needs (1-3 years)	85-100	\$222
Meet 5 Year Needs (1-5 years)	105-130	\$277
Meet 10 Year Needs	145-155	\$290