



2018 Annual Report Dickinson Fire Department



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Message from the Chief

It is my pleasure to present the 2018 annual report of the Dickinson Fire Department. We provide many services for the City of Dickinson and the surrounding area and participate regularly in community oriented events.

Through the commitment of our members and the responsible allocation of community resources, the Dickinson Fire Department not only has the capability but the certification necessary to be a hazardous material and technical rescue response for the local and regional level.

We continue to partner with the ND Firefighter's Association to host regional training opportunities.

Dickinson is a wonderful community to live in and our department continues to grow and develop with the community. It is the dedication of all our members and their families that allows us to accomplish our mission.



DEPARTMENT OVERVIEW

The Dickinson Fire Department (DFD) has been serving the City of Dickinson since July of 1891. The department is part of the City of Dickinson general government, and is considered a combination department made up of full time staff and volunteers. The Dickinson Fire Department has three divisions; Administration, Operations Division and Fire Prevention Bureau.

The Operations Division is responsible for:

- fire suppression
- hazardous material incident response
- medical assistance calls
- technical rescue
- department training
- department health and wellness.

In addition to these emergency services, we are one of eight departments in the state of North Dakota tasked with regional response for Hazardous Material incidents and structural collapse.

The Fire Prevention Bureau is responsible for:

- fire and life safety inspections
- plan reviews
- code enforcement
- public education

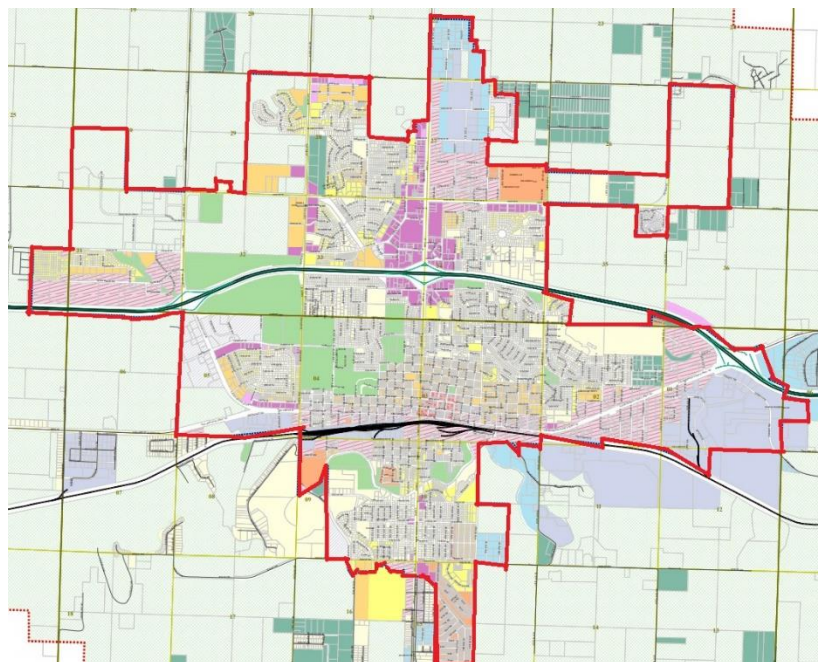
Dickinson Fire Department serves an estimated population of 22,186 (U.S. Census Bureau 2017) within the 14.18 sq. miles of city limits, and is one of three fire departments in the state that have an Insurance Services Office (ISO) Public Protection Classification Rating of 3 for the City of Dickinson.

MISSION STATEMENT

“Provide quality fire services through community partnerships and education while investing in the betterment of our members.”

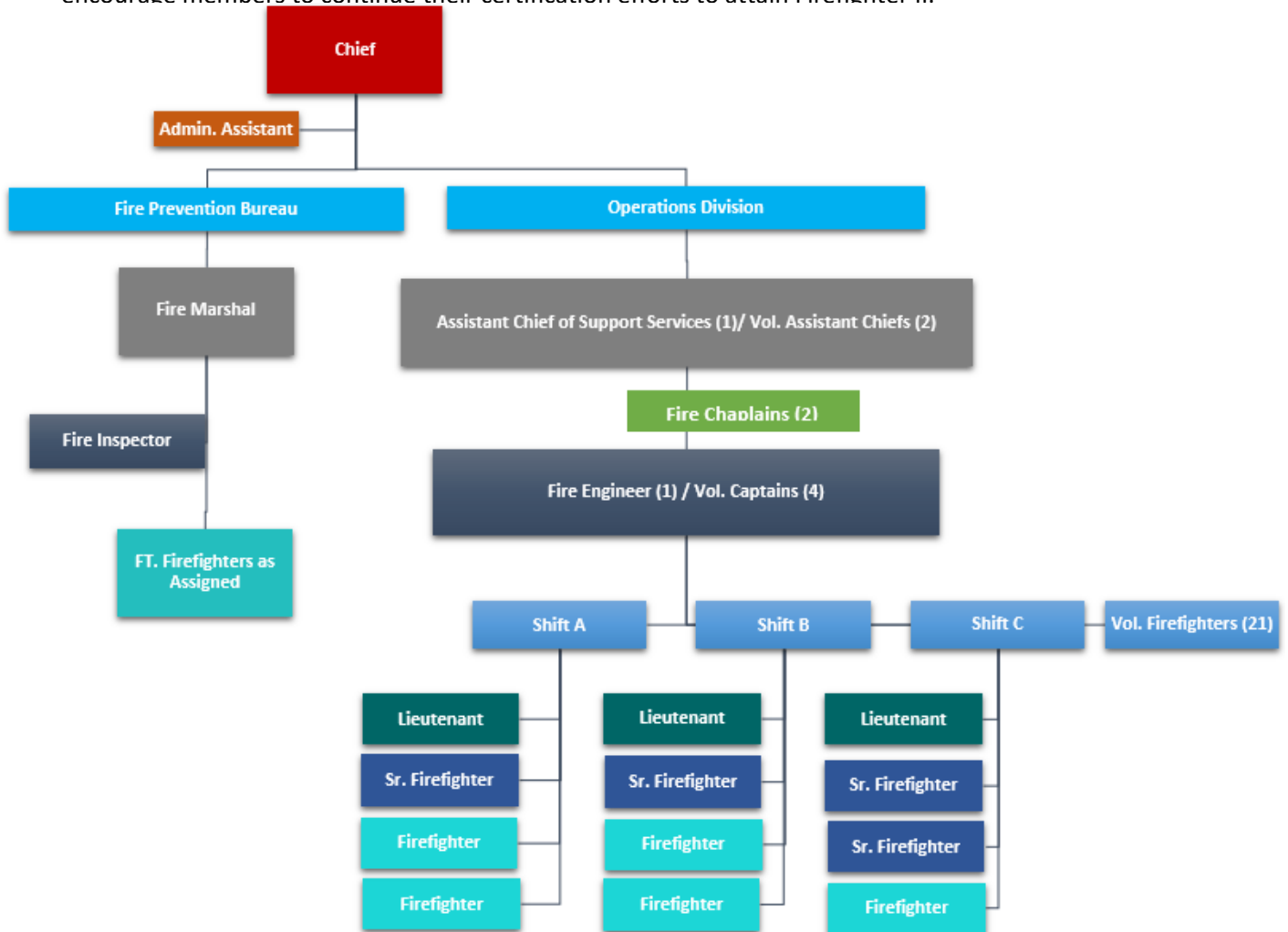
VALUES

- S Safety
- E Excellence
- R Respect
- V Valor
- I Integrity
- C Commitment
- E Education



2018 DEPARTMENT STRUCTURE

In addition to our roster of 43 members, the Dickinson Fire Department is proud to have two (2) department chaplains, and six (6) reserve members. Our volunteers serve in the roles of firefighters and officers including Lieutenants, Captains, and Assistant Chief Positions. Full-Time positions include the Fire Chief, Assistant Chief-Support Services, Fire Marshal, Fire Engineer, Fire Inspector, Lieutenants, Senior Firefighters, and Firefighters. As a combination department with 27 Volunteer members and 16 Full-Time members, we ensure that all firefighters are State and/or ProBoard Certified for Firefighter I and encourage members to continue their certification efforts to attain Firefighter II.



RESPONSE

Volunteers are assigned their duties quarterly between Alert Crews, and Night Duty Assignments. If an emergency reaches the level of "General" then the entire department must respond to that incident when notified.

With Full-Time personnel available to respond to the initial emergency page, firefighters can be on scene of an incident quicker for initial scene size-up. Volunteer members are paged and respond first to the station and then once equipped, to the scene of the emergency. The department has refined the volunteer responses in order to limit the impact on primary jobs, but continues to rely heavily on the volunteer firefighters to ensure adequate resources and manpower are available at an incident.

STATIONS & EQUIPMENT

Administration is located at Station 2, the Public Safety Center (2475 State Avenue North) while the Fire Engineer's Office and Full-Time's primary response is from Station 1, the Central Stations (25 2nd Avenue West). Both Stations are equipped with multiple apparatus and house necessary equipment for incident response.

Emergency response from Station 1 can involve any of the following apparatus:

- Engine 501
- Rescue 502
- Ladder 504
- Quick Attack 506

In addition to the apparatus at Station 1, the Dickinson Fire Department has a Regional Response Hazardous Material Trailer, a Regional Response Structural Collapse/Trench Rescue Trailer, and two Utility Vehicles.

Emergency response from Station 2 can involve any of the following apparatus:

- Ladder 505
- Engine 503
- Engine 507

The Special Operations Trailer, and remaining two Utility Vehicles are used at Station 2.

Other necessary items at the stations include equipment used for the maintenance of the self-contained breathing apparatus (SCBA) and general tools/equipment for basic truck and building care. This structure will likely change in 2019 with the addition of new apparatus.

Both Stations must keep enough firefighter gear, hose and foam-supply on hand and able to rotate as needed between emergency response and necessary cleaning/maintenance. Basic firefighter gear consists of a helmet, pants, coat, gloves, boots and an air pack. Firefighters must wear each of the essential pieces to protect themselves from hazardous fire, smoke, and carcinogens. The basic gear collection is often referred to as turnouts or bunker gear. When completely equipped with fire gear and basic tools a firefighter can carry as much as an additional 50lbs, this does not include the weight of extrication equipment, rescue tools, or medical equipment.

HEALTH AND WELLNESS

Department health and wellness includes education and promotion of physical fitness, healthy practices, and early detection. Members are encouraged to use the fitness equipment available at both stations and the West River Community Center and are provided opportunities to receive annual flu shots, tetanus, HEP A and HEP C vaccines.

Cancer became the leading cause of death among firefighters as reported by the Firefighter Cancer Support Network and Sylvester Comprehensive Cancer Center in 2018. Heart disease is the second leading cause of line-of-duty deaths for firefighters, based off of International Association of Fire Fighters (IAFF) data compiled between 1/1/2002 and 3/31/2017.

Changes have been implemented in the Dickinson Fire Department's operating procedures, trainings, and general station/apparatus maintenance to help ensure the health, wellness and safety of our members. An initial physical is performed upon hire of Full-Time firefighters, and it is the duty of the employer to require at least a periodic medical examination as listed in the 65-01-15 Presumptive Law, Century Code. It is a goal of our department to provide equal medical screening for our volunteers as well.

Though research has shown that firefighters have a higher risk of developing certain types of cancer than the general population it is important to also realize the impact emergencies have on the mental well-being of emergency personnel. Department Chaplains not only work at emergency scenes alongside our firefighters but have taken part in annual trainings on mental health and wellness.

Firefighters have an increased risk of Heart Attacks and Cancer.

Over 320 firefighter and EMT suicides have been reported since 2014 (NVFC-Serve Strong Key Facts)

Research has proven that firefighters lower cancer risk if they wear their full-gear and SCBA during post-incident overhaul and rinse the gear on-scene prior to entering the trucks and returning to the stations

Regular exercise lowers the chance for a Heart Attack but other simple steps like staying hydrated, no-tobacco use, and having an annual wellness check are also encouraged.

The Annual Physical provided by the department for Full-Time firefighter's costs on avg. \$530 per firefighter.



NVFC **SERVE STRONG**



FIRE CHAPLAIN LETTER

I am privileged to volunteer my time offering my services as an aide to our dedicated firefighters who do an amazing job focusing on putting out fires and many other duties that go along with their calling. My main job, has and continues to be, assisting families in need, whether it is standing with them as they watch their homes and belongings burn, assisting them in finding lodging or aid if they are displaced or ministering to family members as the men and women of the department extricate a loved one or friend from a vehicle.

This is my eleventh year serving in this position. Ron Hodson and I are co-chaplains. Ron and I switch off months being first responders and cover for each other when the other is unavailable to serve. Our goal is to provide chaplain coverage on a continuous basis. Other than the few times we both have been out of town at the same time, we have been successful in providing continuous coverage.

In addition to providing support to families, we or the police department are usually the ones to contact Red Cross for aid if needed. We also follow-up with the families to make sure they have been taken care of and to answer any questions they may have.

This past summer, we had some condos that were totally destroyed. This set up a unique situation where I was able to assist a number of families who lost pretty much everything. Because of generous people in our community wanting to come to the aid of these displaced families by supplying donated items, I was able to coordinate with our Emergency Management Office in Dickinson to organize a distribution center to accept and disperse donated items.

Ron and I also respond to vehicle extrications and / or rescues. We are simply there to offer our presence in ministering to family members who are concerned for the individuals involved in the accident. We also offer to contact clergy, or simply walk them through the crises at hand.

Thankfully, this past year, we didn't have to do any death notifications, which is also part of our duties if needed. I am also thankful that we did not have to do any critical incidence debriefings with personnel this past year. We also offer our services for individuals in the department who need to visit with us concerning situations that have affected them in any way.



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OPERATIONS DIVISION

The Dickinson Fire Department's Operations Division is managed by Assistant Chief of Support Services Deb Barros and assisted by Fire Engineer Hilary Hartman. While the primary duty of the Operations Division is emergency response, additional duties include department training/certification, health and safety, equipment and apparatus maintenance, and annual hydrant/water flow testing of fire hydrants within the City of Dickinson which is performed in coordination with the Public Works Department.

INCIDENTS

The Dickinson Fire Department responded to 681 Incidents in 2018. The majority of incidence reported were in the third quarter with 192 incidents, with August having the highest call volume at 76 calls. All 681 Incident are listed by types in Appendix A1.

The "Fire Dollar Loss" for 2018 was \$1,972,990.00. With the upgraded record keeping program "Wildfire" our department is able to project an estimated "Fire Dollar Saved" using the City of Dickinson Assessors page and the data collected from the Incident Scene. The estimated for 2018 "Fire Dollar Saved" is \$628,384.

All incidents are reported to the National Fire Incident Reporting System (NFIRS) monthly. NFIRS is a reporting standard that Fire Departments use to uniformly report on the full range of activities, from fire to Emergency Medical Services (EMS). It even allows departments to report on the type of equipment involved in the response.

By being a part of the international database, the department can compare its Incident Types to the State and National Incident Type Averages (as seen in Appendix A.1).



TRAINING

The department requires a certain amount of continuous training from our members. Training may be either hands-on or classroom. When training at Station 1, there is the opportunity to use specific training-props, many of which were built by department members. Station 2 was built to be able to perform small scale confined space and rope rescue trainings using the Engine Bay's mezzanine and unique design. Additionally, the Dickinson Fire Department's training facility south of Dickinson which contains seven propane live-fire props, two Class A live-fire burn structures, and four story multipurpose tower in a seven acre enclosed area.



All members have the opportunity to attend trainings. The department has sent 40 members to trainings, seminars, and conferences outside of the department including but not limited to the following:

ND Firefighters Association -Instructor Conference

ND Safety Council- Rescue1+ Course

ND Firefighters Association - State Fire School

Fire Department Instructors Conference- International Conference, Indianapolis Indiana

ND Building Code Officials Conference

ND State Firefighter Convention

International Association of Fire Chiefs Conference

International Association of Arson Investigation- ND Conference

Center of Domestic Preparedness, Anniston Alabama

ND Fire Prevention Seminar

Fire Academy Outreach Course

ND Hazardous Materials Conference

SERTC Courses, Pueblo Colorado- Train Derailment

TEEX, Central Station Texas- Industrial Firefighting

The total combined hours of training completed by department members in 2018 was 5,248. In order to maintain the Insurance Service Office (ISO) Classification Rating of 3, the department must obtain a certain amount of training in the following categories: Company, Facility, Existing Driver/Operator, New Driver/Operator, Continuing Education, and Officer. Of that, Full-Time firefighters are expected to complete eighteen (18) hours annually of Facility¹ training and an additional sixteen (16) hours of Company² training.

DEFINITIONS

¹FACILITY TRAINING: A full department training at a site that meets ISO criteria.

²COMPANY TRAINING: A training conducted with 2 or more members

CERTIFICATION

We require that all firefighters in the department achieve Firefighter I Certification, either at hire as Full-Time or within two-years of joining as a Volunteer. In 2018 the department had the following members achieve Firefighter I Certification: A. Rinehart, E. Guzman, G. Ocheltree, I. McGovern, J. Mackey.

Additional certification includes Firefighter II which is not required by the department but encouraged for the betterment of our members. In 2018 Firefighter J. Rhode was the only firefighter to attain that certification. The following two department members attained Fire Instructor I Certification in 2018: K. MacIntosh, S. Schumacher.

Since the department started incorporating medical response into our service to the community, members were encouraged to attain at a minimum Emergency Medical Responder Certification, in addition to their required CPR and First Aid Certification. Six members chose to attain an even higher level of medical certification by getting their Emergency Medical Technician (EMT) Certification.



2018 APRIL EXTRICATION TRAINING



*2018 MAY
FIREFIGHTER I CERTIFICATION TESTING*

FIRE PREVENTION

The Dickinson Fire Prevention Bureau is managed by Fire Marshal Mark Selle and assisted by Inspector Todd O'Donnell. The Fire Prevention Bureau is in charge of plan reviews, inspections, fire pre-planning, code enforcement and public education for 1,931 locations.

INSPECTIONS & CODE ENFORCEMENT

The City of Dickinson has adopted the 2015 International Fire Code. Priorities are given to the assembly, educational, high hazard, hotel/motel, apartments and healthcare occupancies. Department inspections are performed in the following categories; Routine, Follow-Up, Construction, Child Care, and Miscellaneous. Construction Inspections include fire alarm systems and fire suppression system tests. Misc. Inspections include occupant load and complaint investigations.

Inspections and Code Enforcement documentation is performed electronically, allowing personnel to conduct inspections and provide information to customers simultaneously.



2018 INSPECTIONS & CODE ENFORCEMENT

There were 1,718 inspections performed in 2018 by the Fire Prevention Bureau. An inspection category graph is located in Appendix B.

FIRE PREVENTION BUREAU PUBLIC EDUCATION

In 2018, 140 public education events were conducted. Public education events include safety lectures, extinguisher demonstrations, fire drills, community events, and department tours where guests are shown the gear, apparatus, equipment used by firefighters when responding to emergencies, and age appropriate fire safety education.

Safety lectures are performed upon request for area organizations, child care providers, and businesses. Fire extinguisher demonstrations have been performed for city departments, area businesses, and the DSU residential and college staff.

2018 FIRE PREVENTION EDUCATION

During the 2018 National Fire Prevention Week (NFPW) Campaign, October 7th through the 13th, schools were provided individualized binders with videos and lesson plans, which allows the teachers to incorporate the NFPW campaign material into their regular routine prior to the Fire Department coming to the schools. Fire Prevention staff presented lessons to approximately 2000 students and children over the course of 104 visits during this time.



COMMUNITY EVENTS

The Dickinson Fire Department takes part in many community events, and hosts a few as well. The following list of events are a combination of those hosted and attended in 2018 by the department:

MARCH

Angel 37 Meal

Leadership Day

Career Expo

APRIL

Annual "Heroes Ball"

ANNUAL KIDS HEALTH AND SAFETY FAIR

MAY

Discovery Day (WRCC)

Science Day (Prairie Rose)

Kids Appreciation Day

JUNE

Reading Program Kickoff

Kids Fit

Safety City (Ice Arena)

Parade Events/Family Fun Day

Pancake Breakfast: Sunset Senior Center

AUGUST

"Battle of the Badges" Blood Drive/Competition

National Night Out

MDA Fill the Boot

SEPTEMBER

Memorial 9/11 Stair Climb – State Capitol

Harvest Fest

Breast Cancer Awareness Fundraiser

Career Day (Heart River)

OCTOBER

National Fire Prevention Week/Events

Annual Neighborhood Visits (College Park)

"Trick or Trunk" Event (Downtown Dickinson)

NOVEMBER: *Deliver Santa to Prairie Hills Mall*

DECEMBER: *Parade of Lights/Santa Ride*



The Dickinson Fire Department would like to thank everyone who took part in this year's community events. While it is the duty of the department to respond to and train for emergencies, we are very thankful to have members willing to take even more time away from their loved ones and schedules to help make these events successful for the community and these organizations. We would like to recognize the kindness and generosity of the community as well as the commitment and dedication of our members. Such selflessness and commitment is a source of great pride for the department.

GRANTS & DONATIONS

Thanks to donations and grants we are able to further serve our community to a higher standard of quality and care. Our most sincere and heartfelt thanks to everyone involved. A full list of grants and donations is listed below:

TRUiST	\$ 624.00	Vol. FD
Conoco Phillips	\$ 12,000.00	Fire Extinguisher Training Prop
Marathon Corp	\$ 10,000.00	Towards Fire Trainer Prop
Citizen Donation	\$ 100.00	Fire Prevention Bureau
Badlands Board of Realtors	\$ 6,250.75	CPR Manikins/Pub. Ed. Equipment
TRUiST		Vol. FD Recruitment and Retention
	\$ 42.00	Program
Roughrider Electric	\$ 200.00	Fire Prevention Bureau
TRUiST	\$ 36.00	Vol. FD
TRUiST	\$ 42.00	Vol. FD



Conoco Phillips donation of \$12,000.00 used to purchase Fire Extinguisher Training Prop



Marathon Oil Corporation donation of \$10,000.00 used to purchase Fire Training Prop



Badlands Board of Realtors donation of \$6,250.75 used to purchase CPR Manikins and Public Education Equipment

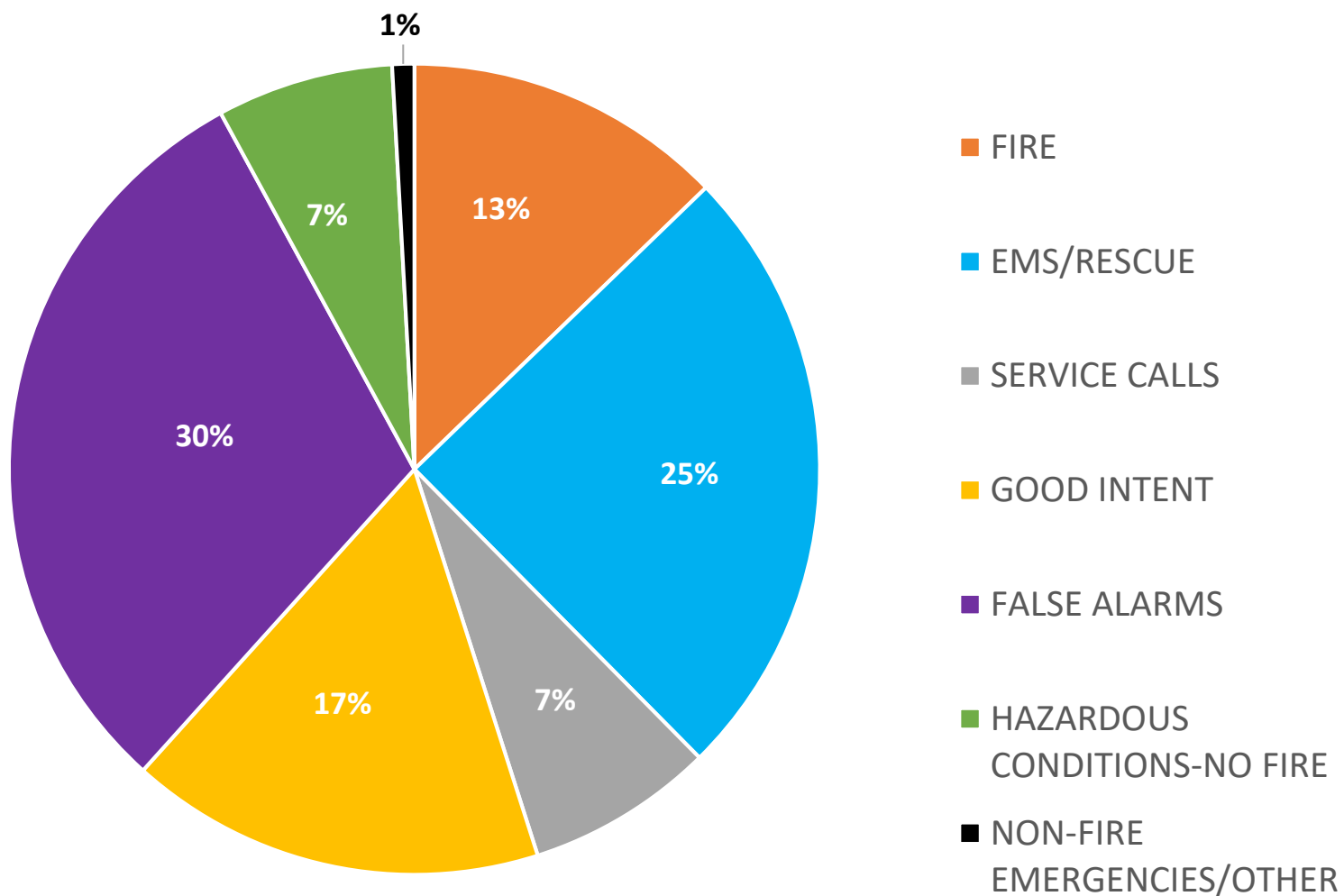
APPENDIX SECTION

APPENDIX A.1 INCIDENT TYPES GRAPHS/AVERAGES

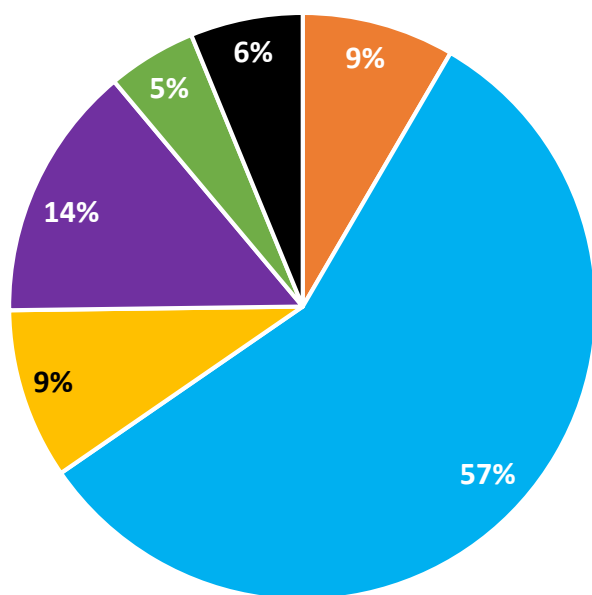
APPENDIX B INSPECTIONS CATEGORY CHART

APPENDIX A.1

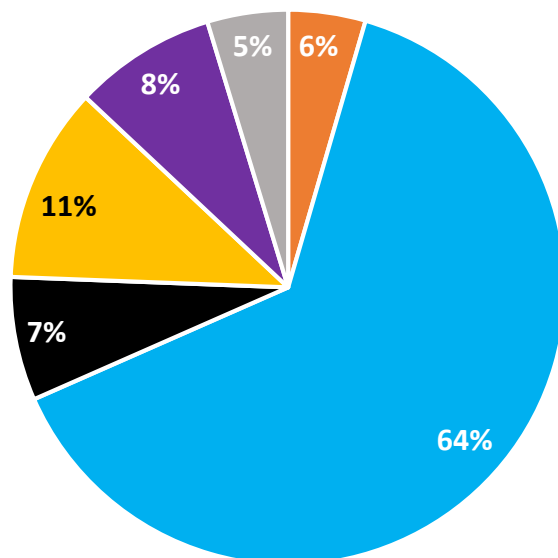
INCIDENT TYPES GRAPHS/AVERAGES



DICKINSON INCIDENT TYPES



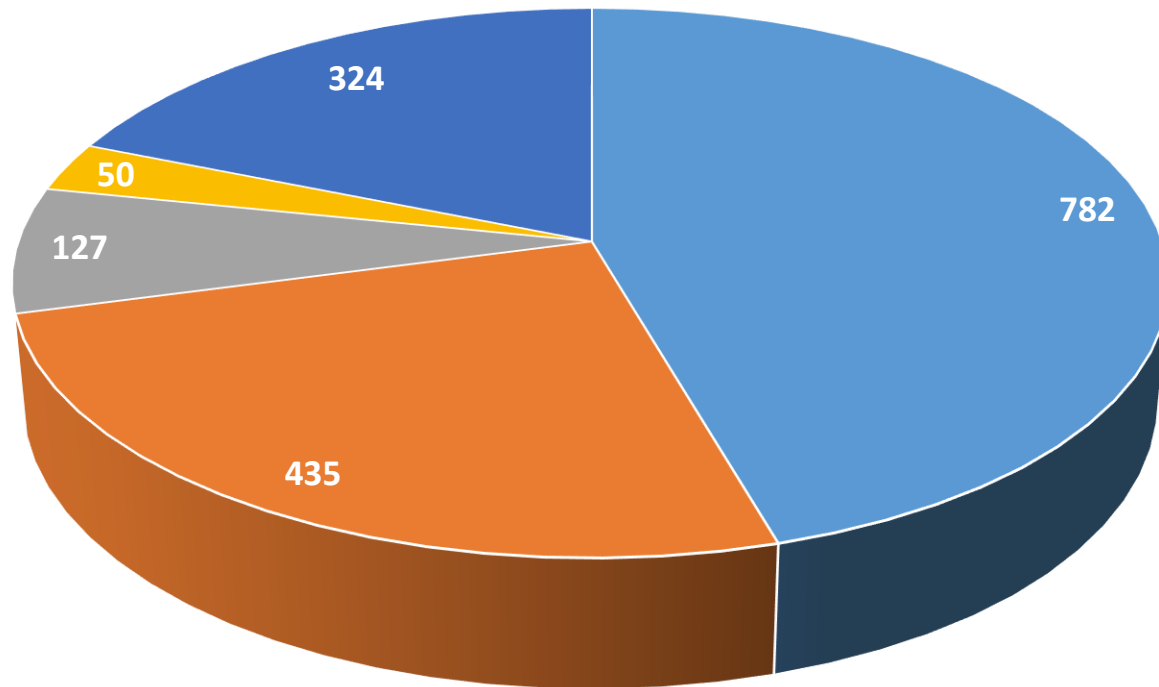
AVG. STATE INCIDENT TYPES



AVG. NATIONAL INCIDENT TYPES

Appendix B **INSPECTION CATEGORY CHART**

1,718 Total Inspections



- | | |
|----------------------------|--------------------------|
| ■ Routine Inspections | ■ Follow-Up Inspections |
| ■ Construction Inspections | ■ Child Care Inspections |
| ■ Misc. Inspections | |

