Emergency Services Communication in North Dakota

A Biennial Status Report 2020

Prepared by the Emergency Services Communications Coordinating Committee

Pursuant to: NDCC 57-40.6-12

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Purpose

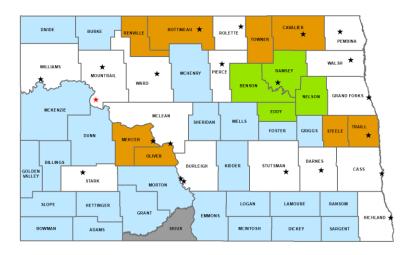
North Dakota Century Code (57-40.6-12) establishes an "emergency services communications coordinating committee" (ESC3) and creates a reporting requirement of the compiled "income, expenditures, and status" information from the individual jurisdictions of the State which levy an emergency services communication systems (ESCS) fee. Appendix A contains the statute and composition of the committee. This report constitutes the committee's 2020 report and has been prepared for submittal as requested by the Legislative Council to the Interim Information Technology Committee.

Three of the four members of the ESC3 are full-time employees of the agencies they represent, one represents the ND911 Association and all receive no compensation for their Committee activities. The Committee has no budget, no appropriation, and no staff. Activities of the committee are carried out by the voluntary dedication of the committee members' time and the staff support from the North Dakota Association of Counties supported by the local 911 jurisdictions.

Background

Emergency services communication is a complex and multi-faceted system of telecommunication technologies, databases, computers, and radios that connects every citizen of the State to the nearly 700 law enforcement, fire, ambulance and other responders through 21 primary public safety answering points (PSAPs) in North Dakota and 1 in South Dakota. While from one perspective this network can be viewed as 22 separate systems it is, in reality, a single connected system with 22 points of contact.

Emergency services communication has existed in this State since the development of telephone and radio; however it became more accessible, reliable, and consistent with the advent of Enhanced 911 (E-911) in the early 1990's and the adoption of phase 1 and phase 2 wireless service in the 2000's.



Throughout the 2010's, PSAPs throughout North Dakota continued to improve upon the 9-1-1 system by committing to a 9-1-1 modernization effort known as Next Generation 9-1-1 (NG9-1-1). Much like the E-911 system served the needs of North Dakota for the past 30 years; the NG9-1-1 system's purpose is to serve its needs for the next 30 years and beyond.

The nexus of these systems, and the policies, procedures, and technologies associated with them, has been partially funded through an ESCS fee levied on telecommunication service in the State. The State's 53 counties and 1 city have imposed such fees.

The adoption of NG9-1-1 along with the implementation of modern IP-based technology is also helping to ease the ability for PSAPs to share technology. This, in turn, helps them share information and ultimately improve efficiency in emergency response.

While there are 54 governing bodies imposing fees throughout the state there are only 21 primary PSAPs in North Dakota and 1 secondary PSAP. This difference is an indicator that many of our governing bodies are cooperating to provide 9-1-1 services in their respective communities. Notably, 25 of the counties are served by the PSAP operated by State Radio, four are jointly dispatched by the Lake Region Law Enforcement Center, and four other two-county PSAPs exist. North Dakota also has possibly the only true multi-state PSAP in the country – the Red River Regional Dispatch Center in Fargo serving the separate jurisdictions of Fargo, West Fargo, Cass County as well as Moorhead and Clay County, Minnesota. A complete listing of primary PSAPs and the approximate population served by each is attached to this report as Appendix B.

It is often of interest to compare North Dakota to neighboring states in the area of emergency services communications. The table contrasts the number of PSAPs operated in surrounding states. North Dakota has, by far, the fewest number of PSAPs of any State in the region, and

	Number of
State	PSAPs
North Dakota	22
South Dakota	33
Wyoming	36
Idaho	53
Montana	58
Minnesota	101
Iowa	115
Kansas	128

provides services to over 4,000 more people per PSAP than the regional average.

North Dakota law (NDCC 57-40.6) had, for many years, allowed city and county governing bodies to impose a "fee that does not exceed one dollar per month per telephone access line and per wireless access line" for the support of "an emergency services communications system". In 2009, the Legislature allowed jurisdictions involved in "an intrastate multi-county PSAP" to raise their fee to a maximum of \$1.50 per access line per month and the 2011 Legislature expanded this authority to all PSAP's contingent (as with all such fees) on an affirmative vote of the jurisdiction's electorate. Of the fifty-four governing bodies imposing a fee, nineteen were levying a local \$1.00 ESCS fee as of July 1, 2020. Voters have approved increasing their local ESCS fee to \$1.50 in thirty-four counties and one city, an increase of fourteen from the previous biennium.

In 2016 the State Legislature, in an effort to provide funding for a Statewide Integrated Radio Network (SIRN), required all jurisdictions levying an ESCS fee to extend their own fee by an additional 50 cents. The additional 50 cent fee on each "assessed communications service" is not available for local use but rather remitted to the state treasurer monthly to support SIRN funding.

Another factor that has impacted ESCS revenue is an ever-increasing percentage of the population using pre-paid wireless services as a replacement to post-paid wireless service contracts. Until January 1, 2014 ESCS fees had not been universally collected on pre-paid wireless services. However, through legislation enacted by the State Legislature in 2015, these fees began accumulating at a rate of 2% of the gross receipts at the point of sale. Prepaid fees were increased by the State Legislature in 2017 to 2.5% to create parity with the additional 50 cent 911 fee additions to support SIRN.

It is important to note, as this report will show, Emergency Services Communications is much broader than simply E-911 or NG9-1-1 services. While dialing 911 most often initiates the emergency response, the day-by-day, hour-by-hour communications between dispatchers and responders, the ongoing contact during an emergency, location information, pre-arrival

medical instructions, mapping software, computer-aided dispatch, and numerous other components make it possible for local emergency services to arrive and deliver effective services in the shortest time possible.

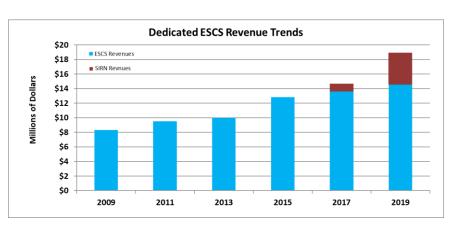
Methodology

To facilitate the statutorily required reporting and ultimately develop this report, each jurisdiction collecting the emergency services communications system (ESCS) fee was asked to complete both a financial survey and a survey relating to their PSAP operations.

The first survey focused on the revenues and expenditures of the 54 entities that have imposed an ESCS fee. This was compiled in a manner that attempted to preclude counting revenue twice in situations where a county contracts with another entity for emergency communication services. Calendar year 2019 revenue and expenditure data was requested from all jurisdictions. The results from the entities are attached to this report as Appendix C (fiscal) and Appendix D (operational). The comments that were attached to the fiscal data (Appendix F) are important as a number of entities qualified their revenue data regarding general fund deposits, and miscellaneous refunds that, in addition to fee revenue, are used to meet 2019 ESCS costs; as well as notes regarding unusual expenditures made in 2019 or anticipated for the future. SIRN revenues were requested and gathered directly from the State Treasurer's office.

Status - Financial

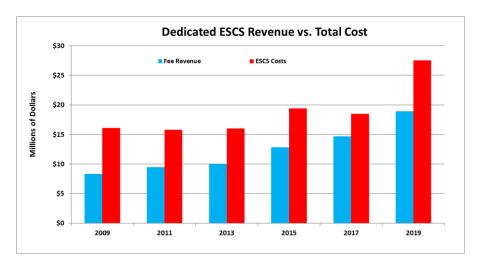
The overall financial data indicates the continuation of revenue growth with a 28% increase from 2017 to 2019. The most significant increase in growth is attributable to additional revenues realized from the SIRN increases to all ESCS fees beginning July 1 of 2017.



It is suspected that the remaining growth is largely attributable to fourteen government entities who have raised their local 911 surcharge rates to \$1.50 since the previous biennial report.

When analyzing the revenues and expenditures associated with emergency services communications, consistency of the data has increased significantly. 2007 Legislation directed the development of expenditure guidelines for costs considered appropriate for ESCS fee revenue support. Throughout the years the ESCCC has continued to revise the expenditure guidelines (most recently in 2018) to meet the needs of 911 in the context of new and emerging technologies.

While the largest portion of ESCS expenditures are paid from the special fund created by the statutory and home rule fees, many jurisdiction reports indicate that there are significant system costs borne by other funds, but that these costs are often not reflected in the special fund transactions. Salaries and (particularly) benefits for dispatchers are often funded through local city or county property tax sources.



The chart above provides a brief snapshot of the overall trends, contrasting total fee revenue with costs. Total statewide costs have dramatically increased from two years ago with revenue increasing at a slower rate. Both increases are driven primarily by the SIRN initiative. Appendix C contains the actual data gathered from the individual jurisdictional reports while the following table provides a statewide picture of the revenues and expenditures.

	State Radio Dispatched Jurisdictions	Non-State Radio Dispatched Jurisdictions	
2019 ESCS Fee Revenue	\$2,270,594	\$15,427,114	
Other Funds / Previous			
Reserves	\$865,588	\$9,136,539	
2019 Prepaid Fee Revenues	\$1,209,823		
2019 ESCS Expenditures	\$2,852,434	\$24,667,721	

ESCS – Emergency Services Communications Systems (NDCC 57-40.6)

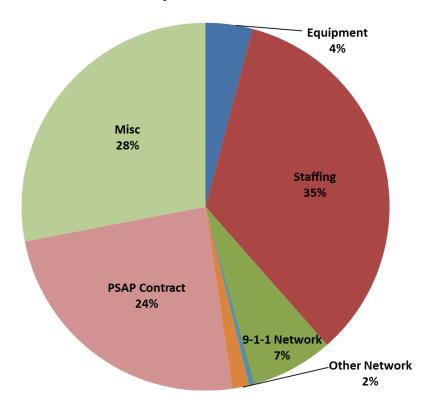
Many of the jurisdictions also included notes (Appendix F) regarding significant investments anticipated. As an example, a number of counties indicated that they expect to incur considerable equipment costs to support SIRN and next generation 9-1-1 (NG9-1-1) call answering equipment; while others continue to address the revenue vs expenditure gap with their general funds as the cost of providing 9-1-1 service continues to increase.

The ESC3 concludes that the data demonstrates the prudent planning for strategic expenditures that was envisioned by the Legislature when this special revenue source was created.

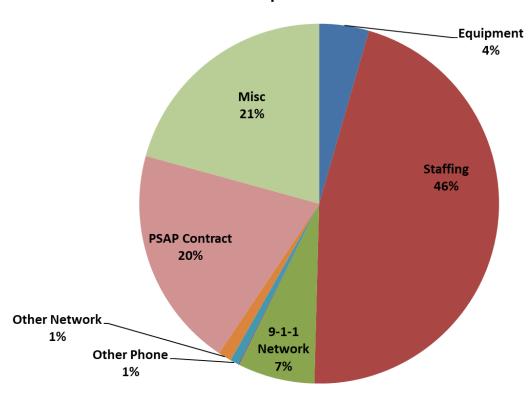
The compiled CY2019 expenditures are illustrated on the following page in two pie charts. The category "Staffing" includes direct salaries and benefits paid to staff. The "Equipment" category includes both the purchase of towers, dispatch consoles, computers, base stations, etc. as well as the ongoing maintenance of this equipment. The "PSAP Contract" category includes payments made by counties or municipalities for dispatch services. The category "9-1-1 Network" includes all of the services required to provide for delivery of 9-1-1 calls from the public to a PSAP. The remaining categories of "Misc.", "Other Network", "Other Phone" and "Database Updates" consist of other authorized expenditures associated with maintaining the emergency services communication system

The analysis of the data reported to the Emergency Services Communications Coordinating Committee indicates that all of the local jurisdictions have expended their ESCS fee revenue in a manner consistent with State Statute and the Expenditure Guidelines established by the ESC3 in January 1, 2008, amended June 19, 2009 and again April 9, 2018.

State Radio Dispatched Counties



Non-State Radio Dispatched Counties



Status – Operational

The financial information is best understood when the emergency communication activities and responsibilities supported by this revenue are profiled. The table below provides a picture of what the PSAP Surveys have indicated.

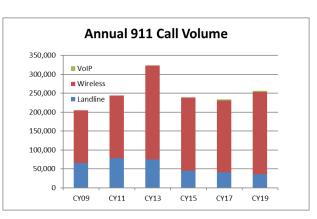
	Statewide Total	Largest PSAP	Smallest PSAP
Dedicated 911 Trunks	93	14	2
Administrative Phone Lines	192	15	3
911 Calls per Month	21,397	5,944	61
911 Calls per Year	256,764	71,336	731
Wireless as % of 911 Calls	84%	85%	68%
Active Dispatch Stations	72	8	1
Dispatcher On Duty - Busiest	66	7	1
Dispatcher On Duty - Quietest	48	4	1
Law Agencies	113	76	2
EMS Agencies	132	92	1
Fire Agencies	315	172	2
Quick/First/Rescue Response Units	55	15	0
Total Agencies Dispatched	615	355	5

For individual jurisdiction data see Appendix D

During the 2019 calendar year the PSAPs of North Dakota handled roughly 257,000 emergency calls, (a 10% increase from 2017) – 84% of these calls were placed from cellular phones (a slight uptick from 81% in 2017).

The busiest PSAP averages a 911 call approximately every 8 minutes while the state, collectively, receives a 911 call approximately every 2 minutes – 24 hours a day, 7 days a week, 52 weeks a year.

The total 911 call volume from 2017 to 2019 increased slightly with wireless 9-1-1 calls continuing to take up an increased share of the volume.



During busiest times, 74 dispatchers provide call taking and dispatching services across the state. These front-line individuals are supported by numerous computer/radio technicians, GIS specialists, trainers, supervisors and administrative staff, many of which serve as dispatchers as the need arises.

The state's PSAPs coordinate and manage the activities of nearly 700 local first responder agencies while coordinating with other public and private entities providing after-incident services. PSAPs must each manage multiple first responder agencies, and oftentimes several of them are dispatched simultaneously. These same PSAPs also respond to FBI (NCIC/NLETS) requests, log and confirm warrants, activate emergency sirens, manage emergency cable interrupts, dispatch public works agencies during emergencies, and perform other emergency communications functions.

Operational detail, to the PSAP level, is contained in the tables comprising Appendices D & E.

Issue 1 – Next Generation 9-1-1 Progress Next Generation 9-1-1 (NG9-1-1) is a nation-wide initiative to improve access to, and interoperability of, 911 service between the public and the nation's public safety answering points (PSAPs). North Dakota's efforts in pursuit of NG9-1-1 began in 2014 with the deployment of an Emergency Services IP network (ESInet). The ESInet is a new, secure, IP network with more available bandwidth for PSAPs to receive new media types (pictures, video, data, etc.) that will eventually be delivered from the public to the PSAP.

With the state's ESInet in place, the 911 system became positioned to accept new forms of communication from the public as they become available. The first of these new communication types was the short message service (SMS), otherwise known as "text messaging". This service was activated statewide in October of 2016 making North Dakota the 6th state in the country to provide statewide "text-to-911" service.

The North Dakota Association of Counties in cooperation with the ND Department of Emergency Services have also been working diligently on building a statewide GIS database that is a prerequisite for the transition to Next Generation 9-1-1. In total 33 of the state's 53 counties have been prepped for transition to NG9-1-1. The remaining 20 counties should be complete in time for the 2022 biennial report.

In 2019 the Department of Emergency Services submitted an application on behalf of NDACo and the NG9-1-1 Joint Powers Agreement members and were awarded a grant in the amount of \$1.4M. NDACo, as the sub grantee, is presently managing three projects in accordance with the grant application. First, is the transition of statewide 911 GIS maintenance / aggregation services to the state's 911 database vendor; second, is the conversion from analog to IP circuits between the state's telecommunications service providers and the state's ESInet; and last is a NG9-1-1 training program for the state's telecommunicators.

Issue 2 – Recommended Statute Changes

57-40.6-01. Definitions

- 15. "Public safety telecommunicator" means an individual whose primary full-time or part-time duties are receiving, processing, and transmitting, and/or dispatching 911, emergency, and non-emergency calls and information for law enforcement, fire, emergency medical, and other public safety information received services through an emergency services communication system via telephone, radio, and other communication devices.
- 19. "Subscriber service address" means, for purposes of wire line telephone exchange access service and voice over internet protocol service subscribers, the address where the telephone subscriber's wire line telephone device communication device is used and, for purposes of wireless subscribers, the place of primary use, as that term is defined in section 57-34.1-02.
- 28. "911 system service provider" means an entity that provides systems and support necessary to enable 9-1-1 calling for one or more Public Safety Answering Points (PSAPs) in a specific geographic area. A 911 system service provider may provide the systems and support for either E9-1-1 or NG9-1-1.

57-40.6-05. Restriction on use of fee proceeds.

The governing body may shall use the proceeds of the fee imposed under section 57-40.6-02 in accordance with guidelines established by the emergency services communications coordinating committee under duties identified in section 57-40.6-12. solely for implementing, maintaining, or operating the emergency services communication system and may enter into agreements to effectuate the same. The governing body or its designee shall deposit the fee proceeds in a separate fund and keep records to show all expenditures from the fee proceeds.

57-40.6-06. Database.

Any telephone exchange access assessed communications service provider providing emergency 911 service and whose subscriber's service addresses are provided to a public safety answering point upon delivery of a 911 call shall provide current customer names, addresses, and telephone numbers to each emergency services communication system coordinator, the coordinator's designee, or public safety answering point within each 911 system. Information provided under this section must be provided in accordance with the transactional record disclosure requirements of the federal Electronics Communications Privacy Act of 1986, 18 U.S.C. 2703(c)(1)(B)(iii), and in a manner that identifies the names and telephone numbers that are unpublished. The provider shall report database information regarding new service or a change of service within two business days of the actual service change unless a longer period is permitted by the jurisdiction. The provider shall

Issue 2 – Recommended Statute Changes (Continued) report database information regarding dropped service at least monthly.

57-40.6-07. Use of the furnished information.

3. A record obtained by a public safety answering point for the purpose of providing services in an emergency which reveals personal information or the identity, address location, or telephone number of a person requesting emergency service or reporting an emergency is exempt from section 44-04-18 and may be redacted from the record before it is released.

57-40.6-10. Standards and guidelines.

3. An emergency services communication system coordinator shall:

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- b. Provide for a complete annual review of the emergency services communication system land line 911 database by obtaining current records from the appropriate 911 system service provider telecommunications companies;
- 4. A public safety answering point must:

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e. As authorized by the governing committee, a Access and dispatch poison control, suicide prevention, emergency management, and other public or private services but may not accept one-way private call-in alarms or devices as 911 calls.

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f. Dispatch the emergency medical service that has been determined to be the quickest—to arrive to the scene of medical emergencies regardless of city, county, or district boundaries. Dispatch, when available, the quickest emergency medical service as pre-determined by the emergency services communication system coordinator. If the pre-determined emergency medical service is not available, the public safety answering point shall dispatch a secondary emergency medical service, based on the best available information at the time. The state department of health shall provide public safety answering points with the physical locations of the emergency medical services necessary for the implementation of this subdivision.

Issue 2 – Recommended Statute Changes (Continued)

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o. No later than July 1, 2015, h Have a written policy, appropriate agreements, and the capability to directly answer emergency calls and dispatch responders from a separate, independent location other than the main public safety answering point or another public safety answering point meeting the requirements of this section, within sixty minutes of an event that renders the main public safety answering point inoperative. This alternative location must have independent access to the public safety answering point's land line 911 system database. The capability of transferring emergency calls to this alternative location must be tested and documented annually.

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p. Remain responsible for all emergency calls received, even if a during the initial transfer of the a call is made to a second public safety answering point. The initial public safety answering point may not disconnect from the three-way call unless mutually agreed by the two public safety telecommunicators. Upon this agreement, the secondary public safety answering point becomes responsible for the call.

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r. After July 1, 2015, m Maintain current, up-to-date mapping of its service area and have the ability to use longitude and latitude to direct responders.

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v. Have written policies establishing dispatch procedures and provide initial and periodic training of public safety telecommunicators on those procedures, including procedures for:

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- (4) The handling of calls from non-English speaking callers; and
- (5) The handling of calls from callers with hearing or speech impairments-; and
 - (6) The handling of text-initiated communications.

57-40.6-12. Emergency services communications coordinating committee - Membership - Duties.

1. The governing body of a city or county, which adopted a fee on assessed communications services under this chapter, shall make \underline{a} an annual report of the income, expenditures, and status of

Issue 2 – Recommended Statute Changes (Continued) its emergency services communication system. The annual report must be submitted in the format requested to the emergency services communications coordinating committee. The committee is composed of four members, one appointed by the North Dakota 911 association, one appointed by the North Dakota association of counties, one appointed by the chief information officer of the state, and one appointed by the adjutant general to represent the division of state radio.

2. The committee shall:

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c. On a bi-annual basis, Request, receive, and compile reports from each governing body on the use of the proceeds of the fee imposed under this chapter, analyze the reports with respect to the guidelines, file its report with the legislative council by November first of each even-numbered year regarding the use of the fee revenue, and recommend to the legislative assembly the appropriate maximum fee allowed by section 57-40.6-02;

57-40.6-13. Provision of call location information by wireless service provider or prepaid wireless service provider or seller to law enforcement.

4. The bureau of criminal investigation shall obtain contact information from all wireless service providers authorized to do business in this state to facilitate a request from a law enforcement agency or a public safety answering point on behalf of a law enforcement agency for call location information under this section. The bureau shall disseminate the contact information to each public safety answering point in this state.

57-40.6-14. Prepaid wireless emergency 911 fee.

8. c. The seller required to collect, report, and remit the prepaid wireless emergency 911 fee imposed under this section <u>may</u> shall retain one hundred percent of the amount of fee due to cover the cost of collecting and transmitting the fee to the commissioner beginning with the first three months the seller begins selling prepaid wireless service, or for the first three months after January 1, 2014, if the seller is making retail sales of prepaid wireless services prior to January 1, 2014, and shall thereafter retain three percent of the fee.

Authorizing Statute

The following section of North Dakota Century Code was enacted by the 54th Legislative Assembly, and took effect August 1, 2001, with changes in 2005, 2007 and 2009.

57-40.6-12. Emergency services communications coordinating committee -- Membership -- Duties.

- 1. The governing body of a city or county, which adopted a fee on assessed communications services under this chapter, shall make an annual report of the income, expenditures, and status of its emergency services communication system. The annual report must be submitted to the emergency services communications coordinating committee. The committee is composed of four members, one appointed by the North Dakota 911 association, one appointed by the North Dakota association of counties, one appointed by the chief information officer of the state, and one appointed by the adjutant general to represent the division of state radio.
- **2.** The committee shall:
 - **a.** Recommend to the legislative management changes to the operating standards for emergency services communications, including training or certification standards for dispatchers;
 - **b.** Develop guidelines regarding the allowable uses of the fee revenue collected under this chapter;
 - **c.** Request, receive, and compile reports from each governing body on the use of the proceeds of the fee imposed under this chapter, analyze the reports with respect to the guidelines, file its report with the legislative council by November first of each even-numbered year regarding the use of the fee revenue, and recommend to the legislative assembly the appropriate maximum fee allowed by section 57-40.6-02;
 - **d.** Periodically evaluate chapter 57-40.6 and recommend changes to the legislative management; and
 - **e.** Serve as the governmental body to coordinate plans for implementing emergency 911 services and internet protocol enabled emergency applications for 911.
- **3.** The committee may initiate and administer statewide agreements among the governing bodies of the local governmental units with jurisdiction over an emergency 911 telephone system to coordinate the procurement of equipment and services, fund the research, administration, and activities of the committee, and contract for the necessary staff support for committee activities.

Committee Composition

Jerry Bergquist, Chairman – Stutsman County 911 Coordinator Appointed by the North Dakota 911 Association

Dan Donlin, Vice Chairman – Director of State Radio Appointed by the Adjutant General to represent the State Radio Division

> Terry Traynor, Secretary – NDACo Director Appointed by the North Dakota Association of Counties

> Duane Schell – Chief Technology Officer, ITD Appointed by the Chief Information Officer of the State

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APPENDIX B

Primary Public Safety Answering Points in North Dakota

PSAP Location	Counties Served	<u>Service Area Notes</u>	<u>2010 Census</u>
Fargo	Cass, Clay MN	Multi-State PSAP (Population Served is Total)	208,777
Bismarck	Burleigh	Includes City of Mandan and portion of McLean Co.	99,733
State Radio Bismarck	Golden Valley, Grant, Gr	n, Burke, Dickey, Divide, Dunn, Emmons, Foster, riggs, Hettinger, Kidder, LaMoure, Logan, McHenry, orton, Ransom, Sargent, Sheridan, Slope, & Wells	82,814
Grand Forks	Grand Forks		66,861
Minot	Ward		61,675
Devils Lake	Ramsey, Eddy, Benson &	& Nelson	23,622
Dickinson	Stark		24,199
Williston	Williams		22,398
Jamestown	Stutsman		21,100
Bottineau	Bottineau, Renville		8,899
Langdon	Cavalier, Towner		6,239
Rolla	Rolette		13,937
Rugby	Pierce		4,357
Wahpeton	Richland	Portions of Sargent & Ransom Co. ND and Wilken & Roberts Co. SD	16,321
Grafton	Walsh		11,119
Valley City	Barnes		11,066
Stanton	Mercer, Oliver		10,270
Hillsboro	Traill, Steele		10,096
Washburn	McLean		8,962
Stanley	Mountrail		7,673
Cavalier	Pembina		7,413
Mobridge, SD	Sioux	North Central South Dakota 911 Center	28,203

APPENDIX C

ESCS Fiscal Survey Results

Based on CY 2019 Survey Compiled by the Emergency Services Communications Coordinating Committee

				Property Tax		
Ref. No.		Fund Balance	911	Reserves/Other	CY2019	Fund Balance
for Notes		1/1/2019	Revenue	Expenditures	ESCS Expenditures	12/31/2019
	State Radio Dispatched Counties					
1	Adams County	59,800	, ,		- , -	
2	Billings County	25,785			· ·	
3	Bowman County	97,055			· '	
4	Burke County	7,258			. ,	
5	Dickey County	72,165			129,254	
6	Divide County	70,058				
7	Dunn County	56,829			,	
8	Emmons County	34,560	' '		64,623	
9	Foster County	201,975		0	/	
10	Golden Valley County	-477				,
11	Grant County	73,659			,	
12	Griggs County	131,406		0	,	
13	Hettinger County	-8,536				
14	Kidder County	82,605			31,814	
15	LaMoure county	70,803			,	
16	Logan County	71,257			,	
17	McHenry County	459,364		40		
18	McIntosh County	32,988		702.610		
19	McKenzie County	350,512			,	
20	Morton County	75,914	, ,		,	
21	Ransom County	424,000	' '	0		
22	Sargent County	114,739			· ·	
23 24	Sheridan County	0 5,396	,		,	
2 4 25	Slope County Wells County	72,800			,	
	State Radio County Total	2,581,915				
	Other Single & Multi-Jurisdictiona	I PSAPs	!	!		
а	Barnes/Valley City	3,103	7,099	82,926	6,239	3,963
b	Bismarck/Burleigh					
c						
d		1,434,086	2,526,429	2,792,782	2,695,741	1,264,774
e	Bottineau/Renville	1,434,086 152,077	2,526,429 221,904	2,792,782 550,228	2,695,741 258,162	1,264,774 115,819
f	Bottineau/Renville Cavalier County	1,434,086 152,077 310,800	2,526,429 221,904 109,898	2,792,782 550,228 247,227	2,695,741 258,162 94,427	1,264,774 115,819 326,271
	Bottineau/Renville Cavalier County Grand Forks County	1,434,086 152,077 310,800 1,217,941	2,526,429 221,904 109,898 1,483,479	2,792,782 550,228 247,227 1,618,559	2,695,741 258,162 94,427 1,372,522	1,264,774 115,819 326,271 1,328,898
q	Bottineau/Renville Cavalier County Grand Forks County Lake Region E-911 (5 Counties)	1,434,086 152,077 310,800 1,217,941 390,410	2,526,429 221,904 109,898 1,483,479 585,640	2,792,782 550,228 247,227 1,618,559 214,729	2,695,741 258,162 94,427 1,372,522 856,817	1,264,774 115,819 326,271 1,328,898 169,234
g h	Bottineau/Renville Cavalier County Grand Forks County	1,434,086 152,077 310,800 1,217,941 390,410 18,318	2,526,429 221,904 109,898 1,483,479 585,640 167,115	2,792,782 550,228 247,227 1,618,559 214,729 7,235	2,695,741 258,162 94,427 1,372,522 856,817 122,064	1,264,774 115,819 326,271 1,328,898 169,234 63,369
	Bottineau/Renville Cavalier County Grand Forks County Lake Region E-911 (5 Counties) McLean County Mercer/Oliver	1,434,086 152,077 310,800 1,217,941 390,410 18,318 75,034	2,526,429 221,904 109,898 1,483,479 585,640 167,115 211,202	2,792,782 550,228 247,227 1,618,559 214,729 7,235 32,826	2,695,741 258,162 94,427 1,372,522 856,817 122,064 206,007	1,264,774 115,819 326,271 1,328,898 169,234 63,369 48,229
h i	Bottineau/Renville Cavalier County Grand Forks County Lake Region E-911 (5 Counties) McLean County	1,434,086 152,077 310,800 1,217,941 390,410 18,318 75,034 89,833	2,526,429 221,904 109,898 1,483,479 585,640 167,115 211,202 214,225	2,792,782 550,228 247,227 1,618,559 214,729 7,235 32,826 648,421	2,695,741 258,162 94,427 1,372,522 856,817 122,064 206,007 182,204	1,264,774 115,819 326,271 1,328,898 169,234 63,369 48,229 121,854
h	Bottineau/Renville Cavalier County Grand Forks County Lake Region E-911 (5 Counties) McLean County Mercer/Oliver Mountrail County	1,434,086 152,077 310,800 1,217,941 390,410 18,318 75,034	2,526,429 221,904 109,898 1,483,479 585,640 167,115 211,202 214,225 205,729	2,792,782 550,228 247,227 1,618,559 214,729 7,235 32,826 648,421 193,976	2,695,741 258,162 94,427 1,372,522 856,817 122,064 206,007 182,204 151,743	1,264,774 115,819 326,271 1,328,898 169,234 63,369 48,229 121,854 152,495
h i j	Bottineau/Renville Cavalier County Grand Forks County Lake Region E-911 (5 Counties) McLean County Mercer/Oliver Mountrail County Pembina County	1,434,086 152,077 310,800 1,217,941 390,410 18,318 75,034 89,833 98,509	2,526,429 221,904 109,898 1,483,479 585,640 167,115 211,202 214,225 205,729 51,380	2,792,782 550,228 247,227 1,618,559 214,729 7,235 32,826 648,421 193,976	2,695,741 258,162 94,427 1,372,522 856,817 122,064 206,007 182,204 151,743 57,811	1,264,774 115,819 326,271 1,328,898 169,234 63,369 48,229 121,854 152,495 36,227
h i j	Bottineau/Renville Cavalier County Grand Forks County Lake Region E-911 (5 Counties) McLean County Mercer/Oliver Mountrail County Pembina County Pierce County	1,434,086 152,077 310,800 1,217,941 390,410 18,318 75,034 89,833 98,509 42,658	2,526,429 221,904 109,898 1,483,479 585,640 167,115 211,202 214,225 205,729 51,380 3,928,997	2,792,782 550,228 247,227 1,618,559 214,729 7,235 32,826 648,421 193,976 36	2,695,741 258,162 94,427 1,372,522 856,817 122,064 206,007 182,204 151,743 57,811 4,418,605	1,264,774 115,819 326,271 1,328,898 169,234 63,369 48,229 121,854 152,495 36,227
h i j k l	Bottineau/Renville Cavalier County Grand Forks County Lake Region E-911 (5 Counties) McLean County Mercer/Oliver Mountrail County Pembina County Pierce County Red River Regional Dispatch	1,434,086 152,077 310,800 1,217,941 390,410 18,318 75,034 89,833 98,509 42,658	2,526,429 221,904 109,898 1,483,479 585,640 167,115 211,202 214,225 205,729 51,380 3,928,997 385,035	2,792,782 550,228 247,227 1,618,559 214,729 7,235 32,826 648,421 193,976 36 0 569,799	2,695,741 258,162 94,427 1,372,522 856,817 122,064 206,007 182,204 151,743 57,811 4,418,605 385,750	1,264,774 115,819 326,271 1,328,898 169,234 63,369 48,229 121,854 152,495 36,227 0
h i j k I m	Bottineau/Renville Cavalier County Grand Forks County Lake Region E-911 (5 Counties) McLean County Mercer/Oliver Mountrail County Pembina County Pierce County Red River Regional Dispatch Richland County	1,434,086 152,077 310,800 1,217,941 390,410 18,318 75,034 89,833 98,509 42,658 0 952 -56,432	2,526,429 221,904 109,898 1,483,479 585,640 167,115 211,202 214,225 205,729 51,380 3,928,997 385,035 161,094	2,792,782 550,228 247,227 1,618,559 214,729 7,235 32,826 648,421 193,976 36 0 569,799	2,695,741 258,162 94,427 1,372,522 856,817 122,064 206,007 182,204 151,743 57,811 4,418,605 385,750	1,264,774 115,819 326,271 1,328,898 169,234 63,369 48,229 121,854 152,495 36,227 0 237 -30,970
h i j k l m n	Bottineau/Renville Cavalier County Grand Forks County Lake Region E-911 (5 Counties) McLean County Mercer/Oliver Mountrail County Pembina County Pierce County Red River Regional Dispatch Richland County Rolette County	1,434,086 152,077 310,800 1,217,941 390,410 18,318 75,034 89,833 98,509 42,658 0	2,526,429 221,904 109,898 1,483,479 585,640 167,115 211,202 214,225 205,729 51,380 3,928,997 385,035 161,094 15,391	2,792,782 550,228 247,227 1,618,559 214,729 7,235 32,826 648,421 193,976 36 0 569,799	2,695,741 258,162 94,427 1,372,522 856,817 122,064 206,007 182,204 151,743 57,811 4,418,605 385,750 135,632 1,884	1,264,774 115,819 326,271 1,328,898 169,234 63,369 48,229 121,854 152,495 36,227 0 237 -30,970 23,423
h i j k l m n o	Bottineau/Renville Cavalier County Grand Forks County Lake Region E-911 (5 Counties) McLean County Mercer/Oliver Mountrail County Pembina County Pierce County Red River Regional Dispatch Richland County Rolette County Sioux County/NCSD PSAP	1,434,086 152,077 310,800 1,217,941 390,410 18,318 75,034 89,833 98,509 42,658 0 952 -56,432 9,916	2,526,429 221,904 109,898 1,483,479 585,640 167,115 211,202 214,225 205,729 51,380 3,928,997 385,035 161,094 15,391 393,479	2,792,782 550,228 247,227 1,618,559 214,729 7,235 32,826 648,421 193,976 36 0 569,799 0	2,695,741 258,162 94,427 1,372,522 856,817 122,064 206,007 182,204 151,743 57,811 4,418,605 385,750 135,632 1,884 421,187	1,264,774 115,819 326,271 1,328,898 169,234 63,369 48,229 121,854 152,495 36,227 0 237 -30,970 23,423 565,972
h i j k l m n o p	Bottineau/Renville Cavalier County Grand Forks County Lake Region E-911 (5 Counties) McLean County Mercer/Oliver Mountrail County Pembina County Pierce County Red River Regional Dispatch Richland County Rolette County Sioux County/NCSD PSAP Stark	1,434,086 152,077 310,800 1,217,941 390,410 18,318 75,034 89,833 98,509 42,658 0 952 -56,432 9,916 593,680	2,526,429 221,904 109,898 1,483,479 585,640 167,115 211,202 214,225 205,729 51,380 3,928,997 385,035 161,094 15,391 393,479 210,848	2,792,782 550,228 247,227 1,618,559 214,729 7,235 32,826 648,421 193,976 36 0 569,799 0 0	2,695,741 258,162 94,427 1,372,522 856,817 122,064 206,007 182,204 151,743 57,811 4,418,605 385,750 135,632 1,884 421,187 202,716	1,264,774 115,819 326,271 1,328,898 169,234 63,369 48,229 121,854 152,495 36,227 0 237 -30,970 23,423 565,972 231,615
h i j k I m n o p	Bottineau/Renville Cavalier County Grand Forks County Lake Region E-911 (5 Counties) McLean County Mercer/Oliver Mountrail County Pembina County Pierce County Red River Regional Dispatch Richland County Rolette County Sioux County/NCSD PSAP Stark Steele/Traill	1,434,086 152,077 310,800 1,217,941 390,410 18,318 75,034 89,833 98,509 42,658 0 952 -56,432 9,916 593,680 223,483	2,526,429 221,904 109,898 1,483,479 585,640 167,115 211,202 214,225 205,729 51,380 3,928,997 385,035 161,094 15,391 393,479 210,848 302,754 206,637	2,792,782 550,228 247,227 1,618,559 214,729 7,235 32,826 648,421 193,976 36 0 569,799 0 0 124,643 525,744 409,792	2,695,741 258,162 94,427 1,372,522 856,817 122,064 206,007 182,204 151,743 57,811 4,418,605 385,750 135,632 1,884 421,187 202,716 191,034	1,264,774 115,819 326,271 1,328,898 169,234 63,369 48,229 121,854 152,495 36,227 0 237 -30,970 23,423 565,972 231,615 364,941
h i j k l m n o p q r	Bottineau/Renville Cavalier County Grand Forks County Lake Region E-911 (5 Counties) McLean County Mercer/Oliver Mountrail County Pembina County Pierce County Red River Regional Dispatch Richland County Rolette County Sioux County/NCSD PSAP Stark Steele/Traill Stutsman County	1,434,086 152,077 310,800 1,217,941 390,410 18,318 75,034 89,833 98,509 42,658 0 952 -56,432 9,916 593,680 223,483 253,221	2,526,429 221,904 109,898 1,483,479 585,640 167,115 211,202 214,225 205,729 51,380 3,928,997 385,035 161,094 15,391 393,479 210,848 302,754 206,637	2,792,782 550,228 247,227 1,618,559 214,729 7,235 32,826 648,421 193,976 36 0 569,799 0 0 124,643 525,744 409,792	2,695,741 258,162 94,427 1,372,522 856,817 122,064 206,007 182,204 151,743 57,811 4,418,605 385,750 135,632 1,884 421,187 202,716 191,034 153,301 2,140,080	1,264,774 115,819 326,271 1,328,898 169,234 63,369 48,229 121,854 152,495 36,227 0 237 -30,970 23,423 565,972 231,615 364,941 309,298 839,103
h i j k l m n o p q r s	Bottineau/Renville Cavalier County Grand Forks County Lake Region E-911 (5 Counties) McLean County Mercer/Oliver Mountrail County Pembina County Pierce County Red River Regional Dispatch Richland County Rolette County Sioux County/NCSD PSAP Stark Steele/Traill Stutsman County Walsh County	1,434,086 152,077 310,800 1,217,941 390,410 18,318 75,034 89,833 98,509 42,658 0 952 -56,432 9,916 593,680 223,483 253,221 255,963	2,526,429 221,904 109,898 1,483,479 585,640 167,115 211,202 214,225 205,729 51,380 3,928,997 385,035 161,094 15,391 393,479 210,848 302,754 206,637 2,568,247	2,792,782 550,228 247,227 1,618,559 214,729 7,235 32,826 648,421 193,976 36 0 569,799 0 0 124,643 525,744 409,792	2,695,741 258,162 94,427 1,372,522 856,817 122,064 206,007 182,204 151,743 57,811 4,418,605 385,750 135,632 1,884 421,187 202,716 191,034 153,301 2,140,080	1,264,774 115,819 326,271 1,328,898 169,234 63,369 48,229 121,854 152,495 36,227 0 237 -30,970 23,423 565,972 231,615 364,941 309,298 839,103
h i j k l m n o p q r s t	Bottineau/Renville Cavalier County Grand Forks County Lake Region E-911 (5 Counties) McLean County Mercer/Oliver Mountrail County Pembina County Pierce County Red River Regional Dispatch Richland County Rolette County Sioux County/NCSD PSAP Stark Steele/Traill Stutsman County Walsh County Ward County	1,434,086 152,077 310,800 1,217,941 390,410 18,318 75,034 89,833 98,509 42,658 0 952 -56,432 9,916 593,680 223,483 253,221 255,963 410,936 194,123	2,526,429 221,904 109,898 1,483,479 585,640 167,115 211,202 214,225 205,729 51,380 3,928,997 385,035 161,094 15,391 393,479 210,848 302,754 206,637 2,568,247	2,792,782 550,228 247,227 1,618,559 214,729 7,235 32,826 648,421 193,976 36 0 569,799 0 0 124,643 525,744 409,792 856,032 261,584	2,695,741 258,162 94,427 1,372,522 856,817 122,064 206,007 182,204 151,743 57,811 4,418,605 385,750 135,632 1,884 421,187 202,716 191,034 153,301 2,140,080 1,477,257	1,264,774 115,819 326,271 1,328,898 169,234 63,369 48,229 121,854 152,495 36,227 0 237 -30,970 23,423 565,972 231,615 364,941 309,298 839,103 187,397

Emergency Services Communicatons System (9-1-1) Detailed Expenditures
Based on CY2019 Survey Compiled by the Emergency Services Communications Coordinating Committee
Ref. No.

State the predict of Country Cou	Ref. No. for Notes	CY2019 Expend	Communications Equipment	Staffing	911 Network Costs:	Other Local 911 Trunk Charges	Local Phone Database Updates	Other Phone Charges	Other Network Charges	PSAP Contract	Other Operational Expenses
			purchase, lease,	salaries, benefits,	ACT A PROCESSION			administrative lines,	Ę	state radio, lake	as per ESC3
Part	State Radio Dispate			payroll taxes, etc.	NUACO NGS-1-1 JFA		1000		111, 810.	region, etc.	Seulleaing
	2 Billings	31.766			1,390	220	7,237	699		19,273	0,700
December 172,554 1,25,54 1,2		95.476			4694	-		393		26.156	37.382
Checkey 12.25. 4.31 0.000 57.48 0.50 7.19 0.000 Checkey 17.49. 4.27.6 0.000 57.48 0.000 <t< td=""><td></td><td>37.600</td><td></td><td></td><td>3.381</td><td>4.504</td><td>1</td><td>488</td><td></td><td></td><td>'</td></t<>		37.600			3.381	4.504	1	488			'
Dumino A 7 0		129,254			5,748		,	•			989'9
Figure Color Col		47,493		10,124	753		1	1			
Commonweight Comm		74,769	•		4,725		•	1			468
Comparison Com		64,623			4,216		'	1,006			22,135
Content Village Content Vi		57,364			462			6,597			1,220
Counting		69,458			20,726			'			
Control Cont		35,704		7,875	789				. 0		
Communication Communicatio		30,200		9,237	2000,4				0/6		- 2CT 21
Lindowner 81, 82.2 2.0 2.6 2.6 2.6 2.5 2.5 2.6 2.5		22, 143 47 07F		006'0	3,289			1			16,7/6
		86 843		2,030	4,000				2 25.4		30,403
		31 560			7970				t-00'0		12 254
Motivation 53,256 1,200 1,200 1,3150 1,3150 1,322 1,100 1,3150 1,3150 1,322 1,100 1,3150 1,322 1,100 1,322 1,100 1,322 1,100 1,322 1,100 1,322 1,100 1,322 1,100 1,322 1,100 1,100 1,322 1,100 1		110.381			7,48/	Ľ					15,254 15,754
Notice of Sep 2.22 1.24.81 1.2		53.056			3458			714	500		17 289
Nationary Sec 22 12.44 1.05 1.04 1.05 1.04 1.05 1.04 1.05 1.04 1.05 1.04 1.05 1.04 1.05 1.04 1.05 1.04 1.05		916.372		3/2	11.080			. '			27.390
Parisht Pari		550.231		•	32.204		,	,		63 037	442.509
Surgeria Subject Sub		85,765			385		1	100		41,772	11,287
Supple 12,886 78 7,89 3,109		83,278			4,381		1			26,424	29,574
Single 10.37 1.6 st 1.		22,866			13,919			•		. '	364
Weels Secondary Solution Secondary Solution 115,661 66,116 145,716 68,136 2.23 9,983 41,525 6 Other Single & Multi-Underictional PSAPs Secondary Single & Multi-Underictional PSAPs 216,571 2,086,511 2,526 3.56		10,337	,	•	674		•	•		5,085	4,579
Chool Single & Mull-Authericional Poches 2,237 6,968 41,625 66 Chool Single & Mull-Authericional Poches 2,227 2,227 6,963 41,625 66 Chool Single & Mull-Authericional Poches 3,600 3,600 3,600 3,600 3,600 3,600 3,600 4,625 6,930 4,600 3,600 3,600 3,600 4,600 3,600 <t< td=""><td></td><td>89,071</td><td>-</td><td>16,967</td><td>4,154</td><td></td><td>-</td><td>-</td><td></td><td>31,751</td><td>30,729</td></t<>		89,071	-	16,967	4,154		-	-		31,751	30,729
Other Single & Multi-Jurisdictional PSAPs 88 1c4 216.34 2.086.541 0.086.541 <th< th=""><th>SR County Total</th><th>2,852,434</th><th>115,561</th><th>966,115</th><th>145,216</th><th>58,136</th><th>2,237</th><th>896'6</th><th>41,525</th><th>682,694</th><th>787,054</th></th<>	SR County Total	2,852,434	115,561	966,115	145,216	58,136	2,237	896'6	41,525	682,694	787,054
Option String & Authit Lurridictional PSAPs 9.166 String & Authit Lurridictional PSAPs											
Barranev-Place (1986) 89164 216,347 2.086,581 99.86 3.600 1.5481 36.31 36.31 36.31 36.31 36.31 36.31 36.31 36.31 36.31 36.01 36.01 36.31 36.01 <th< td=""><td>Other Single & Multi-</td><td>Jurisdictional PSAPs</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	Other Single & Multi-	Jurisdictional PSAPs									
Bulliant-Claumeth 5488.20 266.54 36.01 </td <td></td> <td></td> <td></td> <td>•</td> <td>396</td> <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td>				•	396			•			
Capacite Country 8 0.8 g. s.		5,488,523	_	2,086,581		3,600	,	36,310	88,882		880,733
Caracter Counting 23,1654 27,191 226,468 8,356 8,356 8,368 7,800 7,800 Lake Region 6-Co. 1071-546 210,632 64,1561 224,113 26,981 22 20 Lake Region 6-Co. 1071-546 210,632 641,561 22,141 22,648 1,027 23 3,459 Mercan/Oher 23,832 1006 71,833 1,034 6,543 1,012 8,528 3,459 1,027 3,459 1,027 3,459 1,027 3,459 1,027 3,459 1,027 3,459 1,027 3,459 1,027 3,459 1,027 3,459 1,027 3,459 1,027 3,459 1,027 3,459 1,027 3,459 1,027 3,459 1,027 3,459 4,459 4,459 4,459 4,459 4,459 4,459 4,459 4,459 4,459 4,459 4,459 4,459 4,459 4,459 4,459 4,459 4,459 4,459 4,4		808,390			6)		15,481	695	12,870		25,916
Card Forks Authority 21991 (381) 21295 (381) 1428 (4156) 5448 (4186) </td <td></td> <td>341,654</td> <td></td> <td></td> <td></td> <td></td> <td>,</td> <td>,</td> <td>7,800</td> <td></td> <td>24,744</td>		341,654					,	,	7,800		24,744
Labe Region 6-Co. 1071.546 210.632 6.16.64 22.11 2.6.981 - 2.6.981 -		2,991,081	329,506				,	12,309	5,100		819,133
Michean 129,292 10,664 22,666 13,331 20,117 -	f Lake Region 6-Co.	1,071,546	210,632				1	262	•	•	163,001
Mountain Sign Saction 238,832 1,000 71,833 1,5584 5,280 - 1,027 - <th< td=""><td></td><td>129,299</td><td></td><td></td><td></td><td></td><td>'</td><td>'</td><td>3,459</td><td></td><td>120,65</td></th<>		129,299					'	'	3,459		120,65
Mountail 830,825 1,004 6,64379 16,035 3,589 - 118,39 65,619 Penchinal 345,724 1,004 6,64379 16,035 3,589 - 118,39 65,619 Penchinal 345,724 1,384 5,125 3,289 - 1,413 6,519 Penchinal 57,244 1,366 1,374 7,301 7,301 7,301 1,301 7,301 Richland 135,632 1,562 1,564 1,364 1,301 1,413 1,301 1,301 Richland 955,438 1,601 1,0251 44,787 6,150 4,430 3,244 Stark 327,389 6,473 2,260,635 3,324 3,324 4,480 Stark 327,389 6,473 2,484 3,324 4,480 5,728 Stutsman 71,738,641 1,322,31 4,444 3,324 2,436 6,150 1,480 6,150 Waish 2,296,172 4,134,303 <th< td=""><td></td><td>238,832</td><td></td><td></td><td></td><td></td><td>'</td><td>1,027</td><td></td><td></td><td>98,853</td></th<>		238,832					'	1,027			98,853
Percention of the Propertion of the Percention of the Percent	Mountrail	830,625					1	11,839	65,619		78,160
Petrole 4.4 & 8.6 do la color distribution 5.5 do la color distribution 5.5 do la color distribution 8.2 do la color distribution 9.5 do la colo	J Pembina	345,720	1,930		10,121		'	6,250	•	46,782	50,416
Richland 45.48 to 2016 19,761 730,104 10,251 9,4514 1 1,901 3,414 3,434 1,901 3,414 3,414 3,414 3,414 3,414 3,414 3,414 3,414 3,414 3,414 3,414 3,414 3,414 3,414 3,414 3,414 3,414 3,414 4,420 4,420 3,414 4,420 4,420 3,414 4,420 4,420 3,414 4,420 4,440 4,444 4,444 4,444 4,444 4,444 4,444 4,444	Z - Z	57,847	35,815		5,125		•	•	•	- 000	- 100
Frolette 135,522 1562 1562 1601 10.551 44.787 6,150 4.736		4,4 10,003	- 19.761					. 4	1 901	5,655,6	904,459
Siguration 1,884		135 632				,	6 150	4 736	4 480		2 064
Stark Stark <th< td=""><td></td><td>1.884</td><td></td><td></td><td></td><td></td><td></td><td>'</td><td></td><td></td><td>1</td></th<>		1.884						'			1
SteelerTrail 27.359 6,471 2.2589 1,0703 9.341 6.734 45 6.734 SteelerTrail 7.16,778 3.26 ft 6.334 1.4179 3.26 ft 9.34 9.45 9.45 WildermarWilliation 1,788 gt 1,2896,112 1,382,317 4.884,44 58,541 2.63 9.99 6,199 6,199 6,199 6,199 6,199 4,119 Other PSAPs Total 24,667,721 1,085,914 1,085,914 1,288,909 301,563 2,3,868 168,515 2,58,549 4,18		421,187	36,373			•	1	65,590		•	20,743
Total 716/778 3.176 6.593.48 3.2.616 3.324 9.167 9.168 9.167 9.168 9.167 9.168		327,359					,	45	•	12,000	36,466
total 2.500.153 1.256.1033 1.256.24 1.323.317 48.8444 state 7.825.4 2.8541	r Stutsman	716,778					1	9,167		•	900'89
ton 1,256 1,322,317 488,444 58,541 6,844 58,541 6,728 57,268 ** Total 2,388 4,1385 9,707,584 1,218,683 243,427 21,631 156,552 255,549 4,1 2,520,154 1,088,914 10,673,689 1,363,909 1,363,909 301,563 23,868 168,515 285,074 4,8	s Walsh	563,093	238		14,179		'	'	•	•	113,302
1,38,541 1,38,541 1,381	t Ward	2,996,112	10,254	_	488,444				57,268		193,256
% Total 24,687,721 943,353 9,707,584 1,218,683 243,427 21,631 168,552 253,549 27,520,154 1,088,914 10,673,699 1,363,909 301,563 23,868 168,515 296,074	u Williams/Williston	1,738,841	1,550		50,188		1	8,909	6,169	812,815	671,085
27,520,154 1,058,914 10,673,699 1,363,909 301,563 23,868 168,515 295,074	Other PSAPs Total	24,667,721	943,353	9,707,584	1,218,693	243,427	21,631	158,552	253,549	4,164,477	4,371,822
4/0'0'27 10'0'27 10'0'2'0'3 10'0'2'0'3 10'0'0'3 10'0'0'3 10'0'0'3 10'0'0'3 10'0'3'3		117 001 10	110 010 1	000 000	,		000 00		100	727 270 7	010 017
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APPENDIX D

	On-Duty - Busic	est Shift	On-Duty - Qu	ietist Shift	Operation	al Worksta	ations	
					911 calls	911 calls	Dispatch but	Capacity to
	Call Taker /	Shift	Call Taker /		and	but not	not answer	add
PSAP	Dispatcher	Supervisor	Dispatcher	Shift Supervisor	dispatch	dispatch	911 calls	workstations
Barnes County Dispatch	2	1	2	0	2	0	0	1
Central Dakota Comunications Center	7	1	3	1	8	0	0	0
Grand Forks County 911 Center	5	1	3	1	6	2	0	2
Lake Region 911 Center	2	1	2	0	3	0	0	0
McLean County	2	1	1	1	2	0	1	2
Mercer-Oliver 911	2	0	2	0	2	0	0	0
Cavalier County	1	1	1	0	2	0	0	0
Rolette County	4	1	2	1	2	0	0	2
Bottineau/Renville E911 Network	2	1	2	0	2	0	1	5
Pierce County	1	1	1	0	1	2	1	0
Minot Central Dispatch	4	1	2	0	5	0	0	1
Mountrail County Sheriff's Department	2	1	2	0	2	0	0	0
Pembina County 911	3	1	3	1	2	0	0	0
Red River Regional Dispatch Center	7	1	4	1	8	0	0	0
Richland County Communications / 911	2	0	2	0	3	0	0	1
Stark/Dickinson Dispatch	2	1	2	0	4	0	0	2
State Radio	6	1	4	1	10	0	0	2
Stutsman County Communications Center	3	1	2	1	3	0	0	1
Traill Co.	1	1	1	0	2	1	0	0
Walsh County Communications	2	0	1	0	2	0	0	1
Williston / Williams 911	3	1	2	1	3	0	0	0
Cummulative Total	63	18	44	9	74	5	3	20

		Ag	gencies Dispatche	d	
	Sheriff /		Quick / First	Ambulance	
PSAP	Police	Fire	Response	(BLS/ALS)	Other
Barnes County Dispatch	2	13	6	1	1
Central Dakota Comunications Center	5	7	1	7	6
Grand Forks County 911 Center	6	13	0	3	0
Lake Region 911 Center	6	24	5	9	7
McLean County	1	9	0	6	0
Mercer-Oliver 911	4	8	1	2	0
Cavalier County	2	13	4	4	2
Rolette County	4	8	1	3	0
Bottineau/Renville E911 Network	2	17	2	7	1
Pierce County	2	2	0	1	0
Minot Central Dispatch	6	18	5	8	9
Mountrail County Sheriff's Department	3	11	0	9	1
Pembina County 911	4	10	4	4	6
Red River Regional Dispatch Center	9	3	28	15	1
Richland County Communications / 911	4	16	10	5	2
Stark/Dickinson Dispatch	3	7	0	3	0
State Radio	76	172	15	92	55
Stutsman County Communications Center	3	9	3	2	2
Traill Co.	2	11	6	4	0
Walsh County Communications	2	10	7	2	3
Williston / Williams 911	4	10	2	4	2
Cummulative Total	146	381	98	187	96
Actual Number of Agencies	116	315	129	132	

ESCS Operational Survey Results
Based on CY2019 Survey Compiled by the Emergency Services Communications Coordinating Committee

	Trunks		Landline ALI Database	Location Database (If No
PSAP	(NG911)	Local Telephone Provider	Provider ^d	Landline ALI)
Barnes County Dispatch	2	CenturyLink	Intrado	
Central Dakota Comunications Center	10	CenturyLink	Intrado	
Grand Forks County 911 Center	3	CenturyLink	Intrado	
Lake Region 911 Center	5	North Dakota Telephone	Intrado	
McLean County	2	West River Telecom.	None	Seatol
Mercer-Oliver 911	2	West River Telecom.	Intrado	
Cavalier County	3	United Telephone	Intrado	
Rolette County	2	United Telephone	Intrado	
Bottineau/Renville E911 Network	2	United Telephone/SRT	Intrado	
Pierce County	2	North Dakota Telephone	Intrado	
Minot Central Dispatch	6	SRT	Intrado	
Mountrail County Sheriff's Department	8	Midstate Telephone	Intrado	
Pembina County 911	2	Polar Communications	Intrado	
Red River Regional Dispatch Center	10	CenturyLink	Intrado	
Richland County Communications / 911	3	CenturyLink	Intrado	
Stark/Dickinson Dispatch	5	CenturyLink	Intrado	
State Radio	14	CenturyLink	Intrado	
Stutsman County Communications Center	4	CenturyLink	Intrado	
Traill Co.	2	CenturyLink	Intrado	
Walsh County Communications	3	CenturyLink	Intrado	
Williston / Williams 911	3	Nemont Telephone	Intrado	
Cummulative Total	93			

	Call Taking System		
	Call Taking System		1
			E. C. C. C.
			Estimated
PSAP	Manufacturer/Model	Install Date	End of Life
Barnes County Dispatch	Motorola/VESTA	2018	2023
Central Dakota Comunications Center	Motorola/VESTA	2015	2020
Grand Forks County 911 Center	West/Viper	2011	2023
Lake Region 911 Center	Motorola/VESTA	2019	2023
McLean County	Zetron	1996	2025
Mercer-Oliver 911	Zetron	2009	2019
Cavalier County	Motorola/VESTA	2015	2020
Rolette County	Motorola/VESTA	2016	2022
Bottineau/Renville E911 Network	Motorola/VESTA	2015	2021
Pierce County	Motorola/VESTA	2016	2020
Minot Central Dispatch	Motorola/VESTA	2016	2025
Mountrail County Sheriff's Department	Motorola/VESTA	2017	2025
Pembina County 911	Motorola/VESTA	2018	2025
Red River Regional Dispatch Center	West/Viper	2012	2024
Richland County Communications / 911	Airbus/Patriot	2012	2030
Stark/Dickinson Dispatch	Motorola/VESTA	2016	2020
State Radio	Motorola/VESTA	2017	2020
Stutsman County Communications Center	Airbus/Patriot	2012	2017
Traill Co.	Zetron	2003	2018
Walsh County Communications	West/Viper	2014	2019
Williston / Williams 911	West/Viper	2014	2021

APPENDIX E

Emergency Services Communications System (9-1-1) PSAP Evaluation Based on CY2019 Survey Compiled by the Emergency Services Communications Coordinating Committee

	Yes	No
PSAP Operation		
PSAP Operation		
is the PSAP operational 24 hours a day, seven days a week or capable of transferring emergency calls to another PSAP meeting standard and guideline requirements during the times of nonoperation?	21	0
Does a written agreement exist between your PSAP and your backup PSAP?	12	9
During times of operation is the PSAP staffed continuously with at least one public safety telecommunicator who is on duty at all times of operation and who has primary responsibility for handling the communication of the public safety answering point.	21	0
When the PSAP's primary emergency services communication system equipment is inoperable, does an alternative method of answering inbound emergency calls for the PSAP exist?	20	1
Does the PSAP have written policies establishing procedures for recording and documenting relevant information of every request for service, including:		_
equestion service, metaunig.		
Date and time of request for service?	21	0
Name and address of requestor, if available?	21	0
Type of incident reported?	21	0
Location of incident reported?	21	0
Description of resources assigned, if any?	21	0
Time of dispatch?	21	0
Time of resource arrival?	21	0
Time of incident conclusion?	21	0
Does the PSAP have written policies establishing dispatch procedures and provide periodic training of public safety telecommunicators on those procedures, including procedures for:		
Standardized call taking and dispatch procedures?	21	0
Prompt handling and appropriate routing of misdirected emergency calls?	21	0
Handling of hang-up emergency calls?	21	0
Handling of calls from non-English speaking callers?	21	0
Handling of calls from callers with hearing or speech impairments?	21	0
Meets Expectations Work Remains		

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Emergency Services Communicatons System (9-1-1) PSAP Evaluation (Cont.)

Based on CY2019 Survey Compiled by the Emergency Services Communications Coordinating Committee

Communication / Dispatch Capability			
Does the PSAP have the capability to dispatch law enforcement, fire, and medical responders to calls for service within the PSAP's service area?	21	0	
Is the PSAP capable of two-way communication with all law enforcement, fire, and medical responder units and operational incident or unified commands within the PSAP's service area?			
Which of the following additional services is the PSAP able to access and dispatch / request assistance from:			
Poison Control	21	0	
Suicide Prevention	19	2	
Emergency Management	21	0	
Other public or private services	21	0	
Does the PSAP accept one-way private call-in alarms or devices as 911 calls?	3	18	
Is the PSAP capable of dispatching the emergency medical service that has been determined to be the quickest to arrive to the scene of a medical emergency regardless of city, county, or district boundaries?	20	1	
Is the PSAP capable of providing emergency medical dispatch prearrival instructions on all emergency medical calls?	21	0	
Are the emergency medical dispatch prearrival instructions provided by public safety telecommunicators who have completed an emergency medical dispatch course approved by the division of emergency health services?	21	0	
Does a mechanism exist to differentiate emergency calls from other calls (i.e. 911 calls vs. administrative calls)?	21	0	
PSAP Facility			
Does the PSAP have security measures in place to prevent direct physical public access to on-duty public safety telecommunicators?	21	0	
Does the PSAP have security measures in place to prevent direct physical public access to PSAP equipment and systems?	21	0	
Does the PSAP have an alternative to commercial power that it uses in the event of a power failure?	21	0	
Does the PSAP have equipment to protect critical equipment and systems from irregular power conditions, such as power spikes, lightning, and brownouts?	21	0	

Meets Expectations	Work Remains

Emergency Services Communicatons System (9-1-1) PSAP Evaluation (Cont.) Based on CY2019 Survey Compiled by the Emergency Services Communications Coordinating Committee

	Yes	No
Personnel and Human Resources		
Does the PSAP perform a criminal background check (state and federal) and secure two sets of fingerprints for all public safety telecommunicators?	21	0
Does the PSAP have policies to ensure that all public safety telecommunicators:		
Do not have felony convictions?	21	0
Complete pre-employment screening for illegal substance use and hearing?	20	1
Complete training through an association of public safety communications official's course or equivalent course?	19	2
Can prioritize appropriately all calls for service?	21	0
Can determine the appropriate resources to be used in response to all calls for public safety services?	21	0
Miscellaneous		
Does the PSAP maintain a written policy for computer system security and preservation of data?	20	1
Does the PSAP have the capability of recording and immediate playback of recorded emergency calls and radio traffic?	21	0
Does the PSAP provide assistance for investigating false or prank calls?	21	0
Does the PSAP employ necessary telecommunications network and electronic equipment consistent with the minimum technical standards recommended by the national emergency number association to securely receive and respond to emergency communications?	21	0

Meets Expectations

Work Remains

Emergency Services Communicatons System (9-1-1) Jurisdiction Evaluation Based on CY2019 Survey Compiled by the Emergency Services Communications Coordinating Committee

	Yes	No	N/A
Questions			
Does the governing body / committee have authority to enter into written agreements with participating organizations and agencies (e.g. memorandums of understanding, PSAP contracts, etc.)?	54	0	0
Does the governing body / committee have authority to designate lines of responsibility and authority?	51	3	0
Does the governing body / committee have a written plan for the assignment of rural addresses, if applicable, which has been coordinated with local postal authorities?	48	6	0
If the governing body/committee has a written plan for the assignment of rural addresses, does it conform to the modified burkle addressing plan?	49	5	0
If the plan does not conform to the modified burkle addressing plan, was a previous addressing system in place before January 1, 1993?	3	2	49
If implemented, do rural street signs comply with the manual on uniform traffic control device standards?	43	2	9
Does the governing body/committee have a records retention plan for all printed, electronic, and recorded records that is in accordance with state law and jurisdictional requirements?	52	2	0
Is the governing body/committee supportive of 911 as a cost-free call?	53	1	0
Does the emergency services communications systems coordinator maintain law enforcement, fire, and emergency medical service response boundaries for the PSAP service area?	54	0	0
Does the emergency services communications system coordinator ensure that dispatch protocols for emergency service notifications are documented and communicated with all law enforcement, fire, and emergency medical services who provide service within the jurisdiction of the governing body/committee?	53	1	0

	Daily	Weekly	Monthly	Quarterly	Annually	Never
Maintenance Frequency						
How frequently is address and mapping data updated in the emergency services communication system database and mapping system?	8	22	23	1	0	0
How frequently does the emergency services communications system coordinator perform a complete review of the emergency services communication system land line database?	0	0	7	5	39	3
How often does the PSAP document testing of equipment that protects critical equipment and systems from irregular power conditions under load? (PSAP Response Only)	0	0	14	5	2	0



ESCS SURVEY COMMENTS – NOTES REGARDING PLANS FOR FUND BALANCES

State Radio Dispatched Counties

- 1. Slope Maintain 911 System. Newest project is standing up a LGR at Marmarth for Marmarth ambulance and fire.
- 2. McIntosh Will be used to maintain 911 signage and any other expenses that come along.
- 3. Bowman Field new LGR at Marmarth for Marmarth Fire and Marmarth Ambulance responders.
- 4. Griggs Putting 911 signs over the county
- 5. McKenzie Dispatch equipment and state radio dispatch contract.
- 6. LaMoure ESC3 funds will not be able to meet the State Radio fee, the county will need to use General Funds or raise their ESC3 fee.
- 7. Golden Valley We increased the budget to cover the revenue short falls.
- 8. Divide County \$10,000 transferred in from General fund.
- 9. Hettinger Possible Hettinger County 911 fee increase in 2021
- 10. Dickey Upkeep of equipment and the cost of increased fees
- 11. Ransom New generator, new building

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Other Single & Multi-Jurisdictional PSAPs

- 1. Williams Maintenance on equipment and equipment for towers.
- 2. Traill Upgrade to Next Gen 911
- 3. Renville Balance will be used going forward. Beginning 2020 agreement with Bottineau Dispatch with Renville County will be \$1.05 per line and 25% of cost of equipment within the dispatch center. Our cost for equipment will be approximately \$93,000. This cost will most likely come out of the General Fund.
- 4. Richland Revenue also comes from and not listed City/NDSCS and grants.
- 5. Red River Regional Dispatch Center Our expenses greatly exceed our 911 revenue, the shortfall is made up by the General Fund at the end of each year. This year the shortfall is \$489,607.59.
- 6. Cavalier Equipment Purchases
- 7. Pembina NG9-1-1 Vesta contract maintenance
- 8. Walsh Upgrades required for SIRN 2020 in Dispatch.
- 9. Stutsman Funds will be used to purchase replacement 9-1-1 equipment to become part of the NDIT managed statewide system. Funds will also be used to purchase replacement radio consoles that will interface with the SIRN project.
- 10. Grand Forks Maintenance of current radio network until SIRN migration, CAD integration with Motorola consoles with upgrade, EMD software acquisition and integration with CAD, maintenance of current systems to include warning systems, CPE, networks, PBX, and other equipment.
- 11. Mercer / Oliver All Extra 911 funds are dedicated to updating the 911 equipment to NG 911 System & then maintaining these systems.
- 12. Stark / Dickinson 911 Revenues are split between the 9-1-1 Operations account and 9-1-1 Equipment account. Future plans include radio dispatch upgrade to the Statewide SIRN system.
- 13. Steele As we are now loosing money on our county 911 system, our fund balance will help carry us for a few years before we will need to raise our 911 fees or decrease the services provided to our county residents.
- 14. Mountrail Operate in 2020
- 15. Bottineau Third 911 Console for the PSAP making us a 3 console dispatch center. (Waiting for state to figure out contract before purchasing)