



GOVERNOR'S OFFICE OF
BUDGET AND PROGRAM PLANNING

Fiscal Note 2015 Biennium

Bill #	HB0575
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Title:	Generally revise 9-1-1 laws
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Primary Sponsor:	Berry, Tom
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Status:	As Amended in House Committee
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- | | | |
|---|--|--|
| <input type="checkbox"/> Significant Local Gov Impact | <input type="checkbox"/> Needs to be included in HB 2 | <input type="checkbox"/> Technical Concerns |
| <input type="checkbox"/> Included in the Executive Budget | <input type="checkbox"/> Significant Long-Term Impacts | <input type="checkbox"/> Dedicated Revenue Form Attached |

FISCAL SUMMARY

	FY 2014 Difference	FY 2015 Difference	FY 2016 Difference	FY 2017 Difference
Expenditures:				
General Fund	\$0	\$0	\$0	\$0
Revenue:				
General Fund	\$0	\$0	\$0	\$0
Net Impact-General Fund Balance:	\$0	\$0	\$0	\$0

Description of fiscal impact: This bill has no fiscal impact to the state.



Bonnie Lorang
General Manager



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Providing Professional Services to the Telecommunications Industry

Sponsor's Initials

Date

Budget Director's Initials

Date

WIRELESS ENHANCED 9-1-1: WIRELESS PROVIDER COST RECOVERY FUND

MCA 10-4-313(1)

As of: March 6, 2013

FUND 9-1-1 JURISDICTION BALANCES	
9-1-1 JURISDICTION	FUND BALANCE:
Anaconda/Deerlodge	\$ 188,221.68
Beaverhead	\$ 146,669.80
Big Horn	\$ 4,601.40
Blackfeet Reservation	\$ 156,328.35
Blaine	\$ 16,949.21
Broadwater	\$ 203,212.91
Butte/Silverbow	\$ 308,362.23
Carbon	\$ 81,184.08
Cascade	\$ 636,994.12
Central Montana	\$ 205,611.16
Chouteau	\$ 165,322.69
Custer/Garfield	\$ 10,213.85
Daniels	\$ 77,382.29
Dawson	\$ (0.00)
Fallon/Carter/Wibaux/Prairie	\$ 552,869.61
Flathead	\$ 635,890.07
Gallatin	\$ 607,838.40
Glacier	\$ (44,431.95)
Granite	\$ 150,929.11
Hill	\$ 48,353.24
Jefferson	\$ 115,704.93
Lake	\$ 108,419.27
Laurel - City of	\$ 90,163.22
Lewis & Clark	\$ 498,482.64
Liberty	\$ 87,948.00
Lincoln	\$ 224,999.07
Madison	\$ 219,251.22
McCone	\$ (0.00)
Meagher	\$ 224,475.72
Mineral	\$ 178,482.01
Missoula	\$ 846,690.21
Musselshell	\$ (0.00)
No. Cheyenne Reservation	\$ 85,735.53
Park	\$ 124,575.17
Phillips	\$ 57,766.58
Pondera	\$ 116,091.60
Powder River	\$ 179,990.69
Powell	\$ 189,184.82
Ravalli	\$ 338,099.43
Richland	\$ (0.00)
Rocky Boy Reservation	\$ 38,130.47
Roosevelt	\$ (0.00)
Rosebud/Treasure	\$ 119,915.43
Sanders	\$ 107,005.61
Sheridan	\$ 5,548.66
Stillwater	\$ 54,985.49
Sweetgrass	\$ 137,526.51
Teton	\$ 143,794.35
Toole	\$ 130,840.98
Valley	\$ (0.00)
West Yellowstone - Town of	\$ 40,132.48
Wheatland/Golden Valley	\$ 389,275.15
Yellowstone	\$ 957,957.98
TOTAL	\$ 9,963,675.41

COMMITTED FUNDING BALANCE	
TOTAL AMOUNT	\$791,124.78

OBLIGATED FUNDING BALANCE	
TOTAL AMOUNT	\$839,750.52

FUND REVENUES by STATE FISCAL YEAR	
State Fiscal Year (SFY)	Total Revenues
SFY 2013 (Q1 & 2)	\$ 1,637,637.51
SFY 2012	\$ 3,262,992.21
SFY 2011	\$ 3,278,160.18
SFY 2010	\$ 3,318,696.56
SFY 2009	\$ 3,173,131.18
SFY 2008	\$ 3,162,417.71
TOTAL	\$ 17,833,035.35



STATE OF MONTANA
PUBLIC SAFETY SERVICES BUREAU

**COST RECOVERY GUIDELINES FOR MONTANA
WIRELESS E9-1-1 SERVICE PROVIDERS**

(Effective Date: July 1, 2007)

The following criteria has been established for Montana wireless service providers seeking cost recovery for network element upgrades and services exclusively associated with location-based, Phase I and II, wireless E9-1-1. These guidelines were meant to assist Montana wireless service providers with invoicing for cost recoverable network elements and services as described in 10-4-(101-313) MCA, and ARM 2.13.(201-207). To receive cost recovery reimbursement:

- Eligible wireless service providers must submit an invoice to the department on a quarterly basis. The department address is: State of Montana, 9-1-1 Office, DOA/PSSB, Attn: Rhonda Sullivan, PO Box 200113, Helena, MT 59620-0113.
- Invoices must be received by the department within 30 calendar days following the end of each quarter.
- Invoices should indicate the fiscal quarter for which they are applying; not the calendar quarter.
- Invoicing is on a per 9-1-1-jurisdictions basis, and these jurisdictions do not always match up with county boundaries. See the 9-1-1 jurisdiction list at the end of this document.
- All allowable costs must be clearly identified in single line-item charges.
- **The wireless service provider must include copies of receipts for each line item charge, including the date of purchase.**
- The wireless service provider may submit a single invoice for multiple 9-1-1 jurisdictions, as long as the itemized costs for each jurisdiction are listed separately.
- Wireless service providers must include the **date when Phase I or Phase II was turned up with the 9-1-1 jurisdiction.**
- Service providers must include the total number of **wireless subscribers within each 9-1-1 jurisdiction for which they are seeking cost recovery. Subscribers within a jurisdiction are based on the primary place of use.**
- The invoice must display the total amount due to the service provider, including address to remit funds, as well as any unpaid balances from previous quarters.

The following location-based network elements are eligible for cost recovery:

1. Mobile Switching Center (MSC): This item relates to MSC enhancements necessary for the delivery of location information to the appropriate E9-1-1 selective router, and may include costs associated with:
 - MSC hardware upgrades
 - MSC hardware purchases
 - MSC hardware installation

- MSC hardware testing
- MSC software upgrades
- MSC software purchases
- MSC software installation
- MSC software testing
- MSC software programming
- MSC right-to-use licensing
- Recurring MSC operations
- Recurring MSC administration
- Recurring MSC maintenance

2. This item relates to transport services necessary to deliver E9-1-1 calls from the MSC to the selective routers, and may include costs associated with:

- Transport system hardware upgrades
- Transport system hardware purchases
- Transport system hardware installation
- Transport system hardware testing
- Transport system software upgrades
- Transport system software purchases
- Transport system software installation
- Transport system software testing
- Recurring carrier transport services from the MSC to the E9-1-1 selective routers

NOTE: Allowable costs for transport services will be limited to a maximum of 2 trunks to each selective router. Additional trunks will be considered for cost recovery with a qualified traffic study provided by the wireless service provider.

3. This item relates to selective router services necessary for the routing and delivery of E9-1-1 calls to the appropriate PSAP and may include costs associated with:

- Nonrecurring selective router connection charges
- Recurring selective router charges
- Recurring port charges
- Nonrecurring T1 DACS charges
- Recurring T1 DACS charges

4. This item relates to network and Signaling System 7 (SS7) services necessary for E9-1-1 signaling and location-based services, and may include costs associated with:

- Recurring SS7 port charges
- Recurring SS7 link charges

5. This item relates to Mobile Positioning Center (MPC) and Location Monitoring Unit Controller (LMUC) functionality, and may include costs associated with:

- MPC/LMUC hardware upgrades
- MPC/LMUC hardware purchases
- MPC/LMUC hardware installation
- MPC/LMUC hardware testing
- MPC/LMUC software upgrades
- MPC/LMUC software purchases
- MPC/LMUC software installation
- MPC/LMUC software testing
- MPC/LMUC software programming

- Recurring MPC/LMUC Maintenance
- Recurring MPC/LMUC 3rd-Party Services

6. This item relates to 3rd-party location based data services and systems administration for antenna sites, and may include costs associated with:

- Database Administration Services
- Position Determining Services
- Location Monitoring Services

NOTE: Wireless service providers seeking cost recovery for antenna site administration must provide to the department the antenna site location. Regarding the format for antenna location information, please contact the department.

7. This item relates to Position Determining Equipment (PDE) and Location Monitoring Unit (LMU) functionality per antenna site and may include costs associated with:

- PDE/LMU hardware upgrades
- PDE/LMU hardware purchases
- PDE/LMU hardware installation
- PDE/LMU hardware testing
- PDE/LMU software upgrades
- PDE/LMU software purchases
- PDE/LMU software installation
- PDE/LMU software testing
- PDE/LMU software programming
- Recurring PDE/LMU administration
- Recurring PDE/LMU maintenance

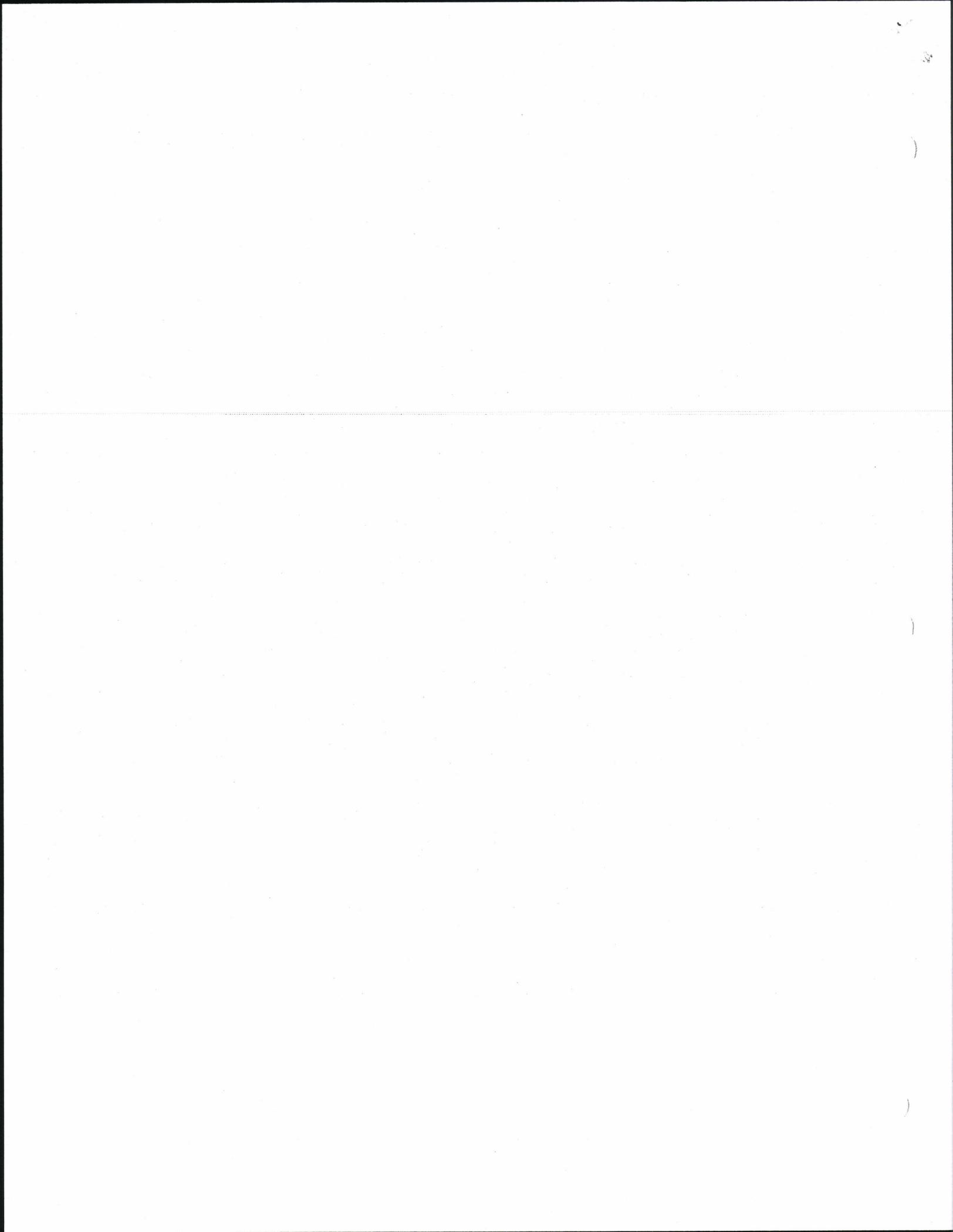
NOTE: Wireless service providers seeking cost recovery for antenna hardware and software upgrades must provide to the department the antenna site location. Regarding the format for antenna location information, please contact the department.

8. This item relates to Operational charges exclusive to location based emergency 9-1-1 services and may include testing and operational support elements.

For questions about cost recovery or these Guidelines contact:

Rhonda Sullivan
Assistant 9-1-1 Program Manager - Wireless
State of Montana, Public Safety Services Bureau
(406) 444-2420
RSullivan@mt.gov

(Last Updated: 11/17/10)





STATE OF MONTANA BASIC, ENHANCED and WIRELESS ENHANCED 9-1-1 FUNDING GUIDELINES

The following criteria or standards have been established to determine if budgetary items are appropriate to the installation, operation, and improvement of an emergency telephone system using 9-1-1 and can be funded from money received from the **Basic or Enhanced 9-1-1 Emergency Telecommunications Account** established under 10-4-301 MCA:

1. **PSAP Operation:** The budgetary item relates to the operation of the public safety answering point (PSAP) and may include:
 - Telephone system for the public safety answering point (PSAP) capable of handling the required 9-1-1 trunks and non-emergency lines, including network cards, etc.
 - Installation and recurring phone costs for 9-1-1 trunks and non-emergency lines for the PSAP
 - Telephone Devices for the Deaf (TDDs) for each call-taker position
 - FAX line if located at the PSAP
 - Radio consoles installed in the PSAP
 - Radio frequency coordination / licensing fees /dispatch paging
 - Paging Encoders / paging systems
 - Special emergency notification paging systems / "reverse 9-1-1" systems
 - Voice logging recorder capable of recording all incoming phone lines and radio channels, including recording media (the PSAP may choose to purchase a recorder with fewer channels and record 9-1-1 lines and selected non-emergency lines and/or radio channels)
 - Instant recall playback recorders for each dispatch position
 - Software and hardware for computer aided dispatch (CAD)
 - The PSAP's share (pro-rated) for records management system (RMS) software

- Computer hardware and/or software used by call-takers and/or radio dispatchers in the PSAP, including printers, UPS units, cabling, etc.
 - Upgrades to PSAP computer hardware and software as required
 - Costs for maintenance and repair of equipment located in the PSAP or equipment room
 - Headsets, headset cords and other misc. small equipment for the PSAP
 - Maps (wall maps, map books, computer-based maps, etc.), including map racks and/or stands
 - Materials, such as paper and notebooks, required to develop written Standard Operating Guidelines (SOGs) for the PSAP
 - Books and resource materials used in the PSAP such as reverse directories, local government and law enforcement agency directories
 - Furniture for the PSAP such as workstations, chairs, printer stands, etc.
 - Generator to provide power in case of power failure and battery backup to supply power to PSAP equipment (pro-rated if backup power also supplied to other areas of the building)
 - Security camera and/or intercom system monitored or used by PSAP personnel
 - Air conditioning and/or air filter system for PSAP and equipment room
 - Miscellaneous supplies used in the PSAP
 - Insurance costs
2. **E9-1-1:** The budgetary item relates to the development, installation and operation of the jurisdiction's enhanced 9-1-1 (E9-1-1) system and may include:
- Telephone equipment capable of handling and displaying E9-1-1 database information
 - Costs associated with developing the Master Street Address Guide (MSAG) and the E9-1-1 database
 - Costs associated with maintaining the MSAG and E9-1-1 database
 - Costs associated with hiring an E9-1-1 project manager or consultant to assist with planning and/or project management
 - Costs associated with providing Wireless E9-1-1 services
 - Costs associated with CJIN services including equipment, usage fees and licensing.

3. **Dispatch of emergency service responders:** The budgetary item supports the direct dispatch, relay or transfer of calls for emergency service and may include:

- Paging encoders and emergency paging systems in the PSAP
- Pagers for law enforcement, fire or emergency medical service (EMS) responders
- Two-way communications radios
- Mobile data systems
- Repeater sites including buildings and/or towers and any equipment at the site used by the PSAP (costs must be pro-rated if the site is used by other entities)
- Microwave sites including buildings and/or towers and any equipment at the site used by the PSAP; also microwave links (costs must be pro-rated if the site is used by other entities)
- Utility costs for providing electricity to repeater or microwave sites
- Backup generator, battery backup, and alarm systems for repeater or microwave sites
- The PSAP's share of lease/rental costs for repeater or microwave sites
- Costs associated with maintenance, repair, or upgrades for PSAP or repeater/microwave site equipment
- Maintenance and/or repair of the repeater or microwave site and any equipment at the site used by the PSAP

4. **Training:** The budgetary item is related to call-taker, dispatcher, or supervisor training; allowable expenditures include:

- Tuition costs for the class, conference, workshop or seminar
- Costs for materials used in the training session
- Costs related to emergency medical dispatch, including flip cards for use in the PSAP
- Travel expenses, including meals and lodging
- Salaries for dispatchers attending the training and for dispatchers to fill shifts at the PSAP while others attend the training
- Dues and memberships fees for dispatchers, supervisors, technical support staff and managers for professional organizations such as APCO or NENA

- Subscriptions to 9-1-1 or dispatch related magazines, such as *9-1-1 Magazine*
5. **PSAP Building requirements including moving expenses:** The budgetary item is related to a PSAP remodel, whether to provide additional work area or to ensure that the PSAP is located in a secure area. Funds may also be used for costs associated with moving the PSAP to another facility, including the cost of purchase or construction of a new building (pro-rated if other agencies are located in the facility).
 6. **Public Education:** Costs associated with developing a public education program and disseminating information to the general public, elected officials, and user agencies about proper use of 9-1-1, what the system provides, what the needs are, and any other information pertinent to the successful operation of 9-1-1 systems.
 7. **Salaries:** The budgetary item is for salaries for call-takers, dispatchers, PSAP shift supervisors, PSAP managers, 9-1-1 Coordinators, technical support staff (pro-rated), addressing coordinators (pro-rated) and employees responsible for addressing, MSAG, or E9-1-1 database construction and/or maintenance (pro-rated).
 8. **Alternate PSAP:** The budgetary item is related to the development and operation of an alternate PSAP and may include phone line and equipment costs, computer hardware and software, maps, furniture, and other miscellaneous materials necessary for successful operation of the alternate site.
 9. **Addressing:** The budgetary item is related to a rural or municipal addressing project necessary for the successful implementation of enhanced 9-1-1 (E9-1-1); allowable expenditures include:
 - GPS centerline road mapping within the 9-1-1 jurisdiction, including purchase of GPS equipment and salaries for the person(s) doing the work
 - Assignment of addresses to all structures within the 9-1-1 jurisdiction and address verification, including verification letters to residents
 - Costs associated with coordinating addressing assignment with the U.S. Postal Service
 - GIS compilation of the data and final map output in both hardcopy and digital formats
 - Purchase of hardware and software necessary for the GIS work
 - Costs associated with assigning addresses and producing paper maps without the use of GIS
 - Cost for hiring a contractor to conduct the rural addressing project
 - Training costs for employee(s) who will assume maintenance of the addressing, MSAG and E9-1-1 databases; includes training in use of GPS equipment
 - Costs associated with addressing, MSAG, and E9-1-1 database maintenance

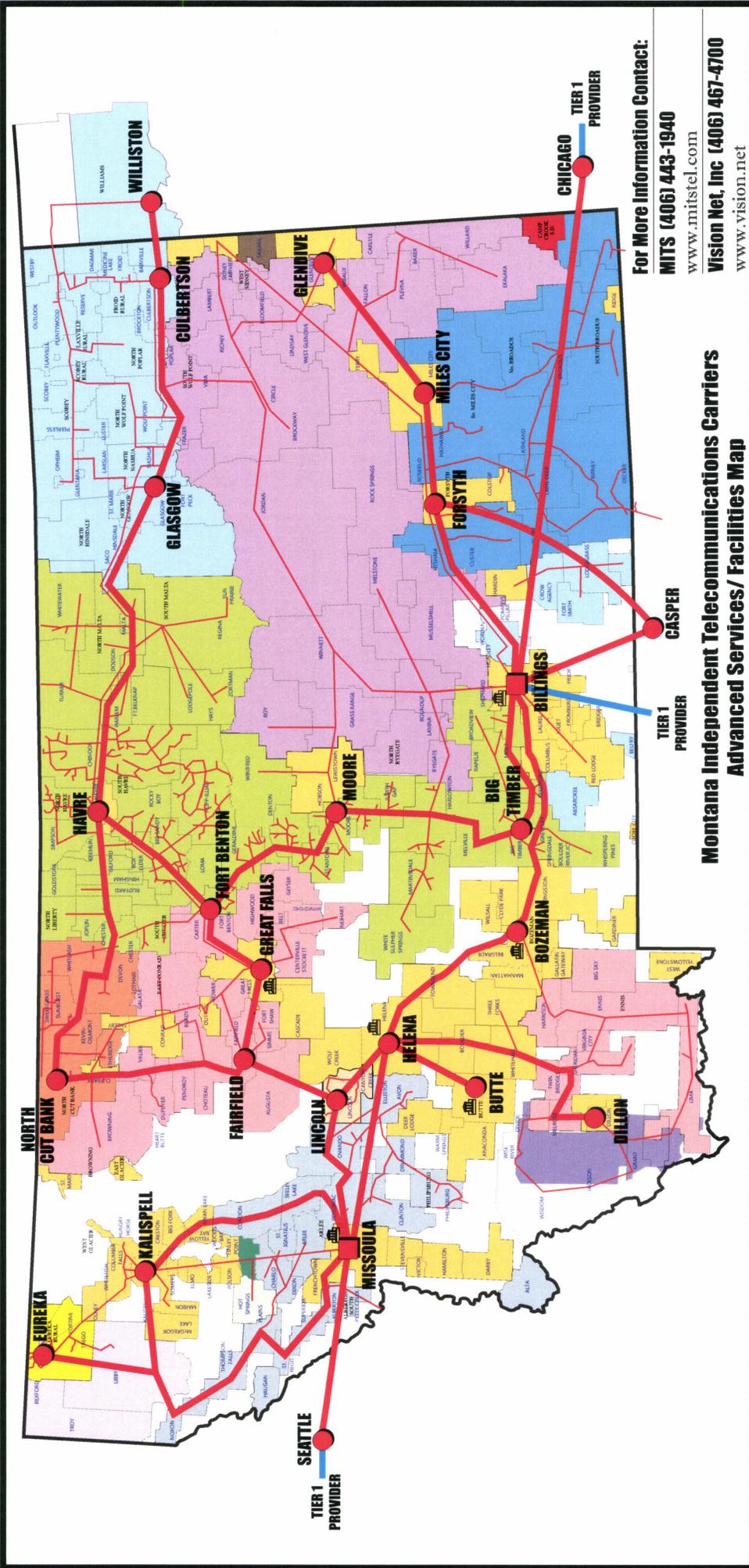
- 9-1-1 pro-rated share of costs associated with web-based GIS maintenance, including set-up fee and website maintenance

10. An explanation of how the budgetary item supports the installation, operation, or improvement of an E9-1-1 emergency telephone system is addressed in the Jurisdiction's 9-1-1 application "Project Overview".

Future budgetary expenditures, not included or contemplated in the Jurisdiction's original Final Plan for E9-1-1, must be referred to the State 9-1-1 Program for review and approval.

Annual expenditure reports to the State 9-1-1 Program are required of all funds received from the State 9-1-1 Program and are subject to periodic monitoring. This requirement is to ensure 9-1-1 jurisdictions are adhering to an approved plan and are using 9-1-1 Program funds in the manner prescribed by statute (10-4-303 & 312 MCA).

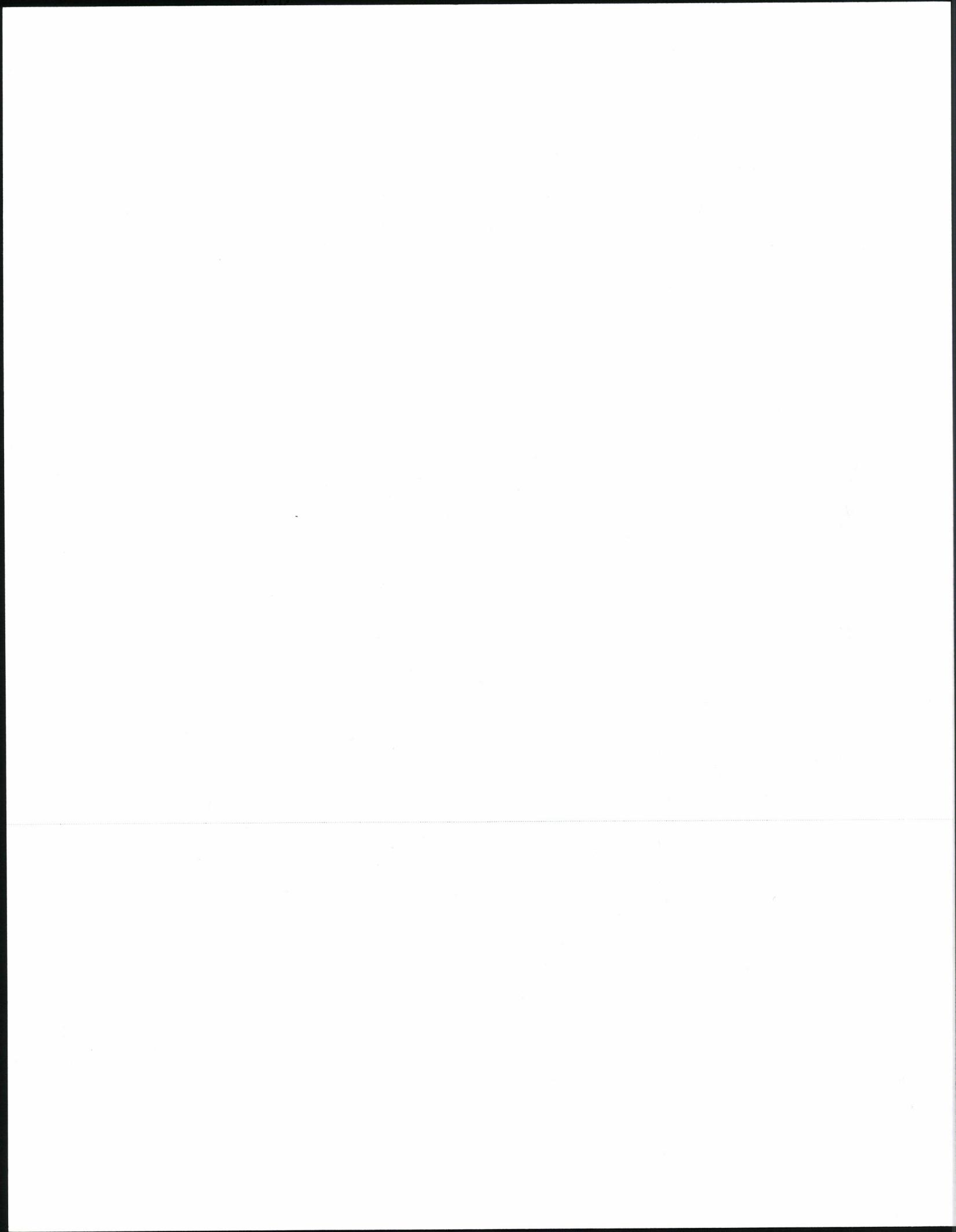
1 st Draft:	12/21/2000
2 nd Draft:	3/6/2001
3 rd Draft:	5/2/2002
Adopted	6/26/2002
Adopted	6/28/2006



For More Information Contact:
MTS (406) 443-1940
www.mtstel.com
Vision Net, Inc (406) 467-4700
www.vision.net

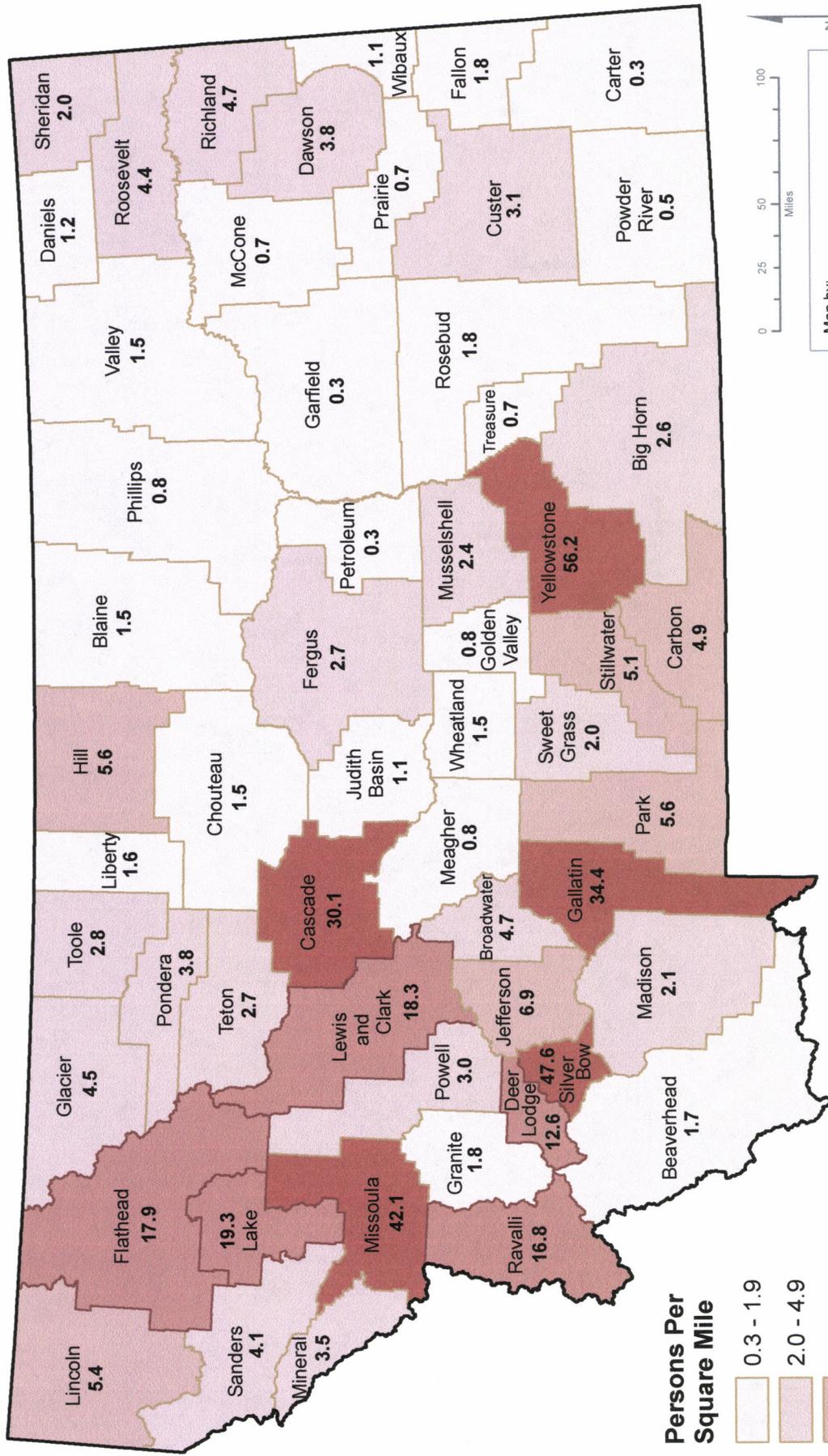
Montana Independent Telecommunications Carriers Advanced Services/ Facilities Map

INTERNET PEERING POPS	EXISTING NODE	ICONNECT FIBER HOTEL	BLACKFOOT TELECOMMUNICATIONS GROUP	RESERVATION TELEPHONE COOPERATIVE	HOT SPRINGS TELEPHONE COMPANY
TIER 1 INTERNET	VISION NET NETWORK (UP TO 10G CAPACITY)	EXISTING INDEPENDENT CO. FIBER OPTICS	NEMONT TELEPHONE COOPERATIVE / PROJECT TELEPHONE COMPANY	RANGE TELEPHONE COOPERATIVE	SOUTHERN MONTANA TELEPHONE COMPANY
			LINCOLN TELEPHONE COMPANY	3 RIVERS COMMUNICATIONS	CENTURYLINK
			INTERBEL TELEPHONE COOPERATIVE	MID-RIVERS COMMUNICATIONS	NORTHERN TELEPHONE COOPERATIVE
			CENTRAL MONTANA COMMUNICATIONS	FRONTIER TELECOMMUNICATIONS	UNASSIGNED AREA
				ROMAN TELEPHONE COMPANY	

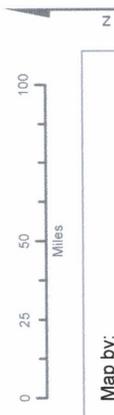
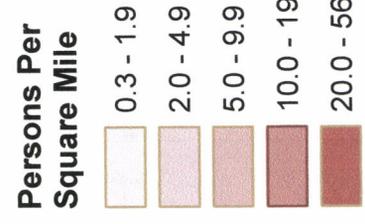


Census 2010: MONTANA

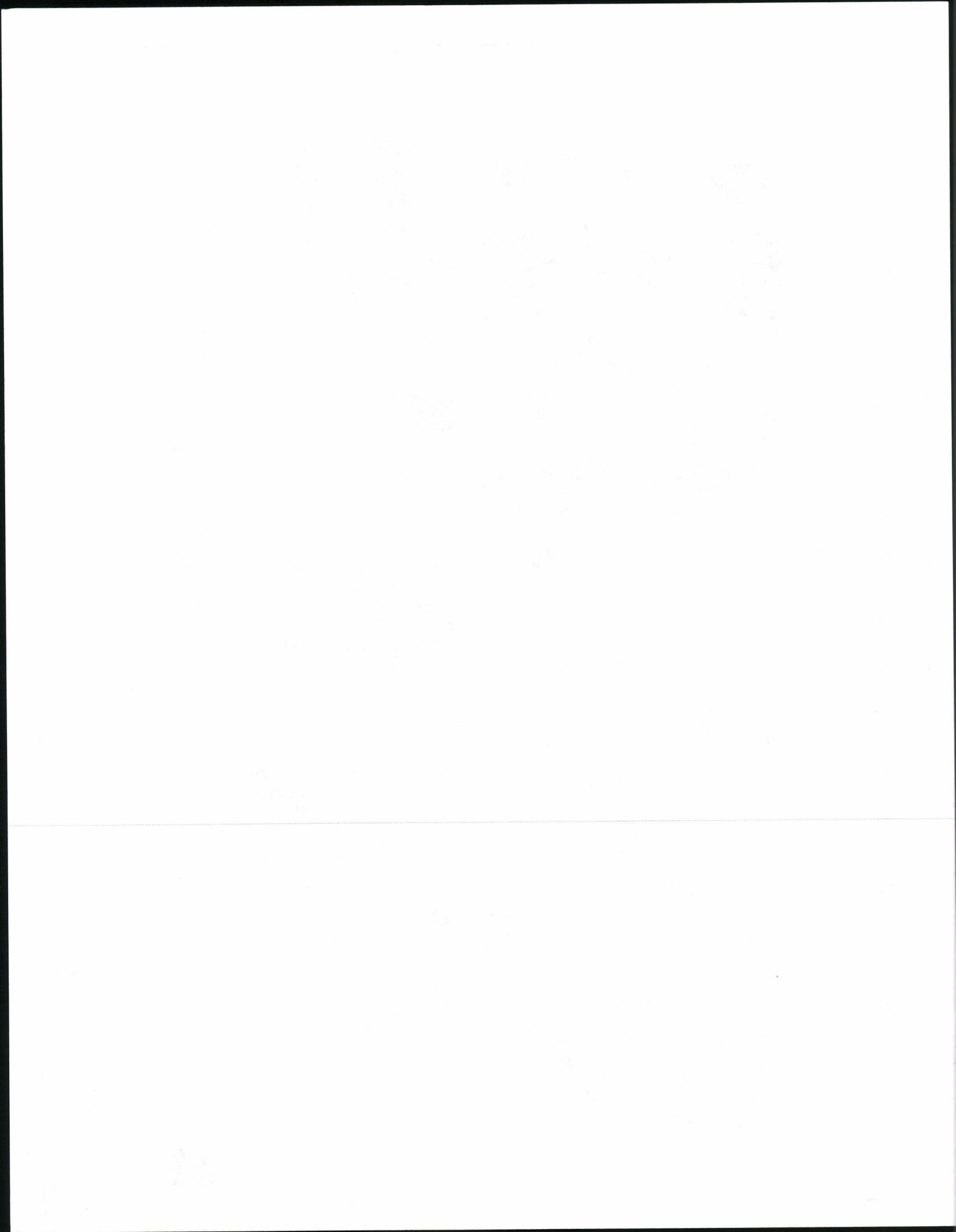
Population Density By County



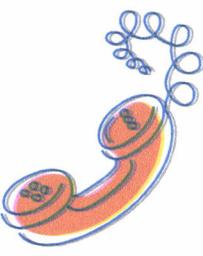
Montana Population Density: 6.8



Map by:
 Census & Economic Information Center
 Montana Department of Commerce
 301 S. Park Ave. Helena MT 59601
 406-841-2740 email: ceic@mt.gov
<http://ceic.mt.gov>



MT 911 Telephone Fund

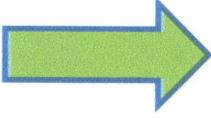


Basic
911

E911

Wireless
E911

Wireless
E911



Public Safety
Answering
Point
(PSAP)

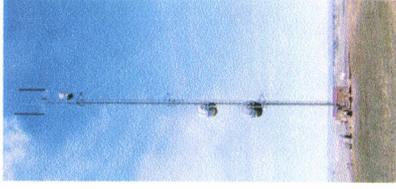
Public Safety
Answering
Point
(PSAP)

Public Safety
Answering
Point
(PSAP)

Wireless
Provider
(Provider)



Wireless
E911 Funds



Public Safety
Answering
Points

Wireless
Providers



25 cents

25 cents

Managed thru
County Budgets

911 Office
distributes entire
PSAP Account to
dispatchers (i.e.
counties) every
quarter.

Managed thru
911 Office

911 Office
allocates
Statewide
Wireless
Provider funds to
Sub-Accounts
every quarter.

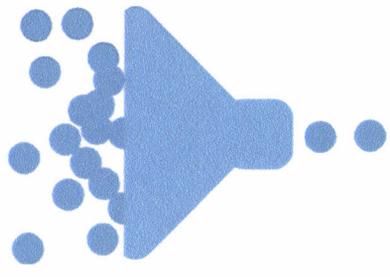
- #1
- #2
- #3
- #4
- ...
- ...#53

53
jurisdictional
sub-accounts



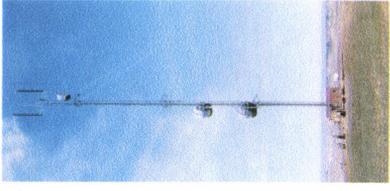
- Funds allocated to 53 sub-accounts
- Criteria: county pop
- Funds allocated to wireless companies seeking expense reimbursement
- Criteria: customer nos.
- Insufficient funds to pay approved expenses
- Thorough analysis & backup review:
Invoices; expenditures

Wireless E911 Provider Funds



911 Office allocates Wireless Provider funds to Sub-Accounts by Jurisdiction every quarter.

- Current Distribution Method bottlenecks Statewide Provider Funds
- Limits disbursement from the Statewide Provider Account
- Expenses approved but not timely reimbursed



*HB 575 A Step to Getting Statewide Wireless E911 Provider funds
out the door as intended*

- Definitions – Section 1
 - Expenses to comply with FCC Orders and Federal Rules for delivery of 911 calls and data
 - Per Capita Data: U.S. Census data vs. U.S. Census estimates
- Sets an annual reallocation process to distribute E911 funds statutorily purposed for wireless provider cost recovery to benefit both providers and PSAPs
- Sets a threshold exception for annual reallocations from statewide wireless provider accounts: In counties with less than 1% of the state’s population

Annual Statewide Reallocation/Distribution Process

- 50% of the account balance remains in each eligible jurisdiction statewide wireless E911 account.
- 50% of account balances of eligible jurisdictions are aggregated for reallocation. From those statewide aggregated funds:
 - Obligated but unreimbursed balances carried over due to insufficient funding are paid to wireless providers for all jurisdictions. (Payment of outstanding bills)
 - Remaining funds are reallocated to the account already established for fees collected for statewide wireless E911: Split 50-50 between accounts for PSAPs and Wireless Providers under current statute.

HB 575

- Passed FRET 14-0
- Passed Second Reading 98-2
- Passed Appropriations 20-0
- Passed Third Reading 95-4
- As Amended, supported by:
 - Telecommunications providers
 - Public safety jurisdictions
 - MT Assoc. of Counties
 - MT Sheriffs and Police Officer
 - First Responders