


# Oil Impact Review

Presented to:  
Energy Development and Transmission Committee  
62 North Dakota Legislative Assembly

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January 26, 2012




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## Evolution of EMS Funding

- 2006 - NDEMSEA Developed a *Looming Tragedy*
  - Identified three major EMS Issues
    - Personnel
    - Education
    - Funding
  - Identified an immediate plan
    - Emergency funding
    - *Keep services open until a permanent solution was developed*

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## Evolution of EMS Funding (cont.)

- 2007 - 2008
  - Legislative initiative for Emergency Funding
    - Secured \$1.25 Million for EMS staffing
    - Helped to staff 30 ambulance services
    - 14 services from the Oil & Gas Producing Counties

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### Evolution of EMS Funding (cont.)

- 2009 - 2010
  - Legislative initiative to increase Emergency Funding
    - Additional \$1 Million for staffing
  - Developed the *North Dakota Rural EMS Improvement Project* to help identify a permanent solution

### Evolution of EMS Funding (cont.)

- 2011
  - Public Safety and Transportation Committee identified a \$12 million long-term need.
    - Transition from Staffing Grant to Funding Areas
    - Total appropriation of \$4.25 million
    - \$1.25 million to be used for 2011-12 Staffing Grants
      - 16 of 38 awarded to services in Oil and Gas Producing Counties
    - \$3 million for the Rural EMS Assistance Fund, 2012-2013

### Other Funding Sources

- Reimbursement
  - Medicare, Medicaid & Private Insurance
- Counties & Cities
  - Property and sales tax
  - Budgeted
- Energy Infrastructure and Impact Fund
- Other Granting Sources

## Energy Infrastructure & Impact Funding

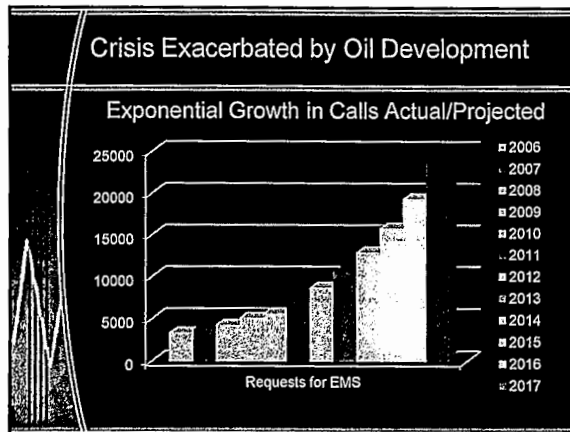
- 2007-2008
  - Requested: \$496,637 - Awarded: \$98,900
    - Ambulance vehicles, equipment and training
- 2008-2009
  - Requested: \$324,650 - Awarded: \$112,500
    - Ambulance vehicles, equipment, training and buildings
- 2009-2010
  - Requested: \$314,012 - Awarded: \$158,000
    - Ambulance vehicles, equipment, training and buildings

## Energy Infrastructure & Impact Funding (cont.)

- 2010-2011
  - Requested: \$2,669,300 - Awarded: \$230,000
    - Ambulance vehicles, equipment, training, buildings and staffing
- Current Grant Cycle
  - \$2,000,000 available for Emergency Services
  - \$30 million Special Session Appropriation with an emergency services priority
- Needs survey (22 Ambulance Services)
  - Identified a need of \$3.29 million
    - Staffing - 56%
    - Equipment & training - 32%
    - Facilities - 12%

## Crisis in EMS

- EMS's largest subsidy is disappearing
  - Volunteer labor provides over \$30 million of in-kind funding per year
  - Volunteer pool is dwindling due to changing:
    - Rural demographics
    - Socioeconomics
    - Attitudes towards community




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- ### Crisis: Volunteers and Staffing
- Volunteers are stressed and hard to find
    - Increased time commitments
      - Larger demand & long-distance transfers
    - Changing severity has become physiologically taxing
  - Securing staffing is challenging
    - Lack of funding
    - Insufficient funding to pay competitive wages
    - Housing crisis

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- ### Crisis: Equipment and Training
- Changing call acuity is adding equipment and training needs
    - Burn treatment, mass casualty incident planning and training, hazardous gases, etc.
    - Lack of trained trainers
    - Specialized extrication equipment
    - Road conditions are shortening the useful life of ambulance vehicles
    - Proper personal protective equipment

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### Crisis: No-Payment

- Increased demand does not necessarily correlate with increased revenue.
  - Increase in underinsured and uninsured patients
  - Insufficient addressing for billing
  - Patients providing false addresses

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### Crisis: Summary

- Underfunded
- Understaffed
- Increasing call volumes
- An unsustainable volunteer system - cannot keep pace with growth

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### Solutions

- Short-term
  - Energy Infrastructure and Impact Grants
  - Rural EMS Assistance Fund
- Long-term
  - Regional Planning & Development
  - Community Paramedicine

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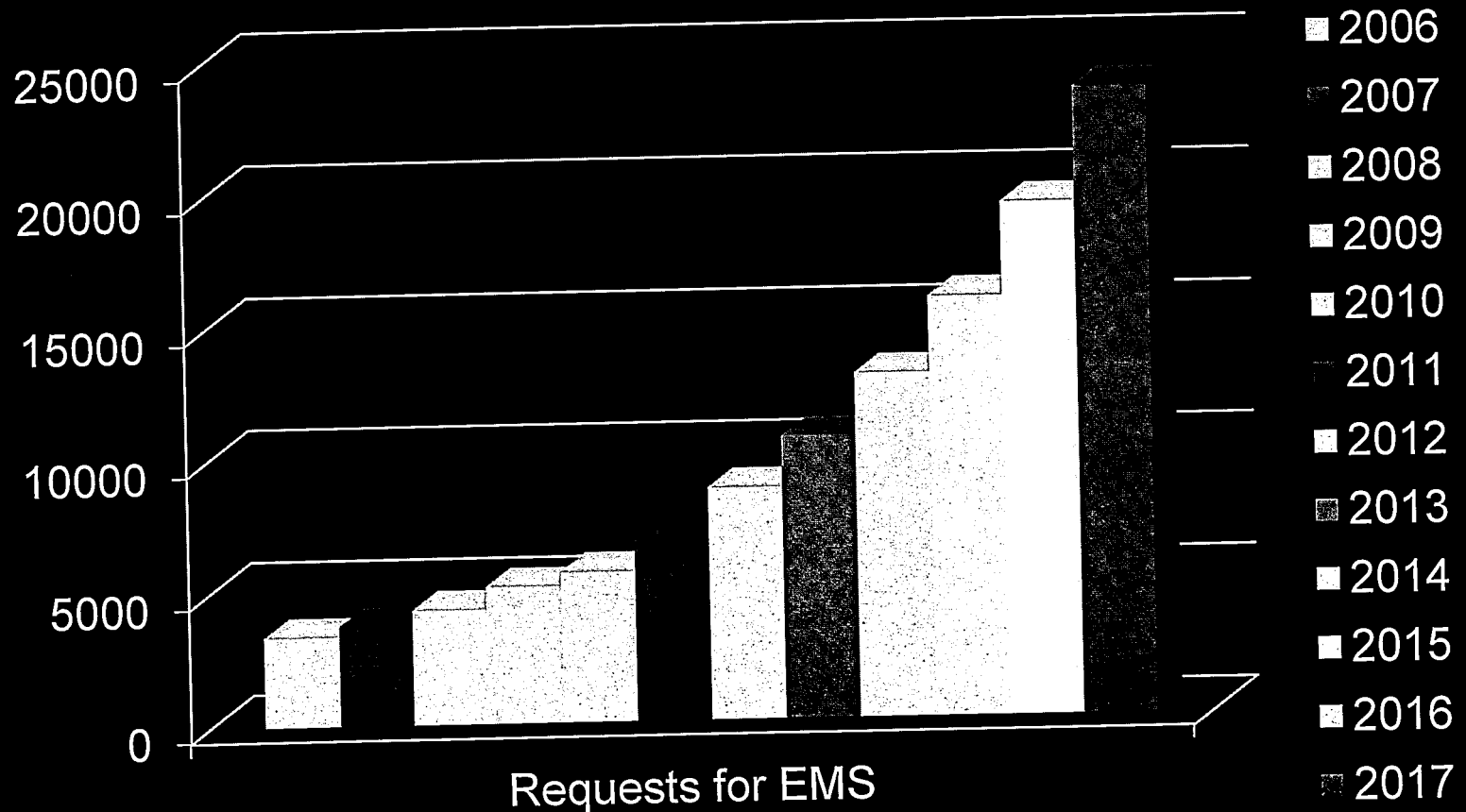
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# Crisis Exacerbated by Oil Development

## Exponential Growth in Calls Actual/Projected



### *Oil Producing Counties' Ambulance Services*

- Billings
  - Medora (Billings Co. Ambulance)
- Bottineau
  - Bottineau
  - Lansford (Substation of Mohall)
  - Westhope
- Bowman
  - Bowman
- Burke
  - Bowbells
  - Portal
  - Powers Lake
- Divide
  - Crosby (Divide Co. Ambulance)
  - Grenora
- Dunn
  - Halliday
  - Killdeer
- Golden Valley
  - Beach (Community Ambulance Service of Beach)
- Hettinger
  - Mott
  - New England
  - Regent
- McHenry
  - Towner
  - Upham
  - Velva
- McKenzie
  - Watford City (McKenzie Co. Ambulance)
- McLean
  - Garrison-Max
  - Riverdale
  - Turtle Lake
  - Underwood
  - Washburn
  - Wilton
- Mercer
  - Beulah/Hazen (Mercer Co. Ambulance)
- Mountrail
  - New Town
  - Parshall
  - Plaza
  - Stanley
- Renville
  - Glenburn
  - Mohall
  - Sherwood
  - Tolley (Substation of Mohall)
- Slope
  - Marmarth
- Stark
  - Belfield
  - Dickinson
  - Richardton
- Ward
  - Berthold
  - Carpio
  - Kenmare
  - Makoti-Ryder
  - Minot (Community Ambulance Service of Minot)
- Williams
  - Ray
  - Tioga
  - Williston

Affiliate	Total Call Volume					
	2006	2007	2008	2009	2010	2011
Belfield Ambulance - 0005	61	62	64	68	88	123
Billings County Ambulance Service - 0084	47	43	32	57	79	159
Bowbells Ambulance Service - 0015	16	29	21	32	12	21
Dickinson Area Ambulance Service, Inc. - 0029	969	927	1080	1479	1569	1880
Divide County Ambulance Service - 0027	68	94	109	74	117	175
Grenora Ambulance Service - 0049	20	34	25	52	24	44
Halliday Ambulance Service - 0050	13	22	39	25	38	32
Killdeer Area Ambulance Service, Inc. - 0062	56	116	129	114	174	200
McKenzie County Ambulance Service - 0129	93	270	279	330	376	639
New Town Community Ambulance Service District - 0097	413	478	669	877	889	1090
Parshall Rural Ambulance Service, Inc. - 0102	114	170	190	243	239	284
Plaza Ambulance Service - 0104	6	9	10	6	10	N/A
Portal Ambulance Service - 0105	15	18	23	33	18	19
Powers Lake Ambulance Association - 0106	35	54	44	31	33	29
Ray Community Ambulance District - 0107	70	53	55	55	69	117
Richardton-Taylor Ambulance Service - 0109	76	62	80	76	109	84
Stanley Ambulance Service - 0116	196	244	308	300	302	344
Tioga Fire Department/Ambulance Service - 0118	134	166	207	202	210	279
Williston Ambulance Service - 0131	979	902	963	1105	1319	1675
<i>Total Reported Calls for Area</i>	3381	3753	4327	5159	5675	7194
<i>Average Annual Increase, 2007-2011</i>	16.46%					

Trend Analysis					
2007	2008	2009	2010	2011	2006-2011
1.64%	3.23%	6.25%	29.41%	39.77%	101.64%
-8.51%	-25.58%	78.13%	38.60%	101.27%	238.30%
81.25%	-27.59%	52.38%	-62.50%	75.00%	31.25%
-4.33%	16.50%	36.94%	6.09%	19.82%	94.01%
38.24%	15.96%	-32.11%	58.11%	49.57%	157.35%
70.00%	-26.47%	108.00%	-53.85%	83.33%	120.00%
69.23%	77.27%	-35.90%	52.00%	-15.79%	146.15%
107.14%	11.21%	-11.63%	52.63%	14.94%	257.14%
190.32%	3.33%	18.28%	13.94%	69.95%	587.10%
15.74%	39.96%	31.09%	1.37%	22.61%	163.92%
49.12%	11.76%	27.89%	-1.65%	18.83%	149.12%
50.00%	11.11%	-40.00%	66.67%	N/A	N/A
20.00%	27.78%	43.48%	-45.45%	5.56%	26.67%
54.29%	-18.52%	-29.55%	6.45%	-12.12%	-17.14%
-24.29%	3.77%	0.00%	25.45%	69.57%	67.14%
-18.42%	29.03%	-5.00%	43.42%	-22.94%	10.53%
24.49%	26.23%	-2.60%	0.67%	13.91%	75.51%
23.88%	24.70%	-2.42%	3.96%	32.86%	108.21%
-7.87%	6.76%	14.75%	19.37%	26.99%	71.09%
11.00%	15.29%	19.23%	10.00%	26.77%	112.78%

Projected Increases	2012	2013	2014	2015	2016	2017
Projected Increase at 16.46%	8378	9757	11363	13233	15411	17947
Projected Increase at 21.61%	8749	10639	12938	15734	19134	23269
Projected Increase at 26.77%	9120	11561	14656	18580	23553	29859
Average Projected Increase	8749	10652	12986	15849	19366	23692