



**Welcome to the**  
**Infrastructure Focus Group**  
**Sponsored by the**  
**North Dakota Department of Commerce**  
**In Support of North Dakota's**  
**Five-Year Consolidated Plan**



# Why Prepare a Consolidated Plan?

- In 1994, HUD combined the planning and application process of four programs: HOME, CDBG, ESG and HOPWA
- In exchange for receiving funds, required to prepare a Five-Year Consolidated Plan, an Annual Action Plan and Analysis of Impediments to Fair Housing Choice



# Purpose of the Consolidated Plan



- Identify housing and community development needs, priorities and strategies
- Indicate how state and federal funds will be allocated to address these needs and activities



# Consolidated Plan Objectives



- **Provide decent housing**
- **Provide a suitable living environment**
- **Expand economic opportunities for lower-income citizens of the state**



# Consolidated Plan Outcomes



- **Sustainability – enhance communities in the state**
- **Availability/Accessibility – benefit eligible individuals and families**
- **Affordability – create and/or maintain affordable housing**



# **Consolidated Plan Resources in FY 2014**

- **Housing Opportunities for Persons with AIDS (HOPWA): \$0**
- **Emergency Solutions Grant (ESG): \$416,114**
- **HOME Investment Partnership (HOME): \$3,017,887**
- **Community Development Block Grant (CDBG): \$3,658,596**



# Consolidated Plan Planning Process



- **Analysis of quantitative and qualitative data regarding need**
- **Public involvement and other agency input about need**
- **Development of strategy in response to identified needs**



# Consolidated Plan Components

- **Assessment of Need and a Five Year Strategy to Address the Needs**
- **Annual Action Plans**
- **A Fair Housing Analysis and Plan**
- **Consolidated Annual Performance and Evaluation Report (CAPER)**



# Contents of the Consolidated Plan

- **Needs Assessment and Strategic Plan:**
  - ✓ **Housing**
  - ✓ **Homeless**
  - ✓ **Community Development**
  - ✓ **Non-Housing Special Needs**
- **Documentation of Entire Process**



# Applicable Activities In Community Development

- **Community Development:**
  - ✓ **Economic Development, jobs and businesses**
  - ✓ **Community Development, such as public facilities, parks**
  - ✓ **Infrastructure, e.g. water, sewer, roads**



# Contents of the Infrastructure Needs Assessment



## ➤ Infrastructure:

- ✓ Inventory of water, sewer, road, and other qualifying capital needs
- ✓ Prepare strategy to address infrastructure needs



# Purpose of Today's Meeting is to Support the CP

**We hope to answer some of these questions:**

- 1. What are our greatest infrastructure needs?**
- 2. What are our limitations?**
- 3. What policy barriers are there, if any?**
- 4. What are good first steps for the State?**



# A Situation Review



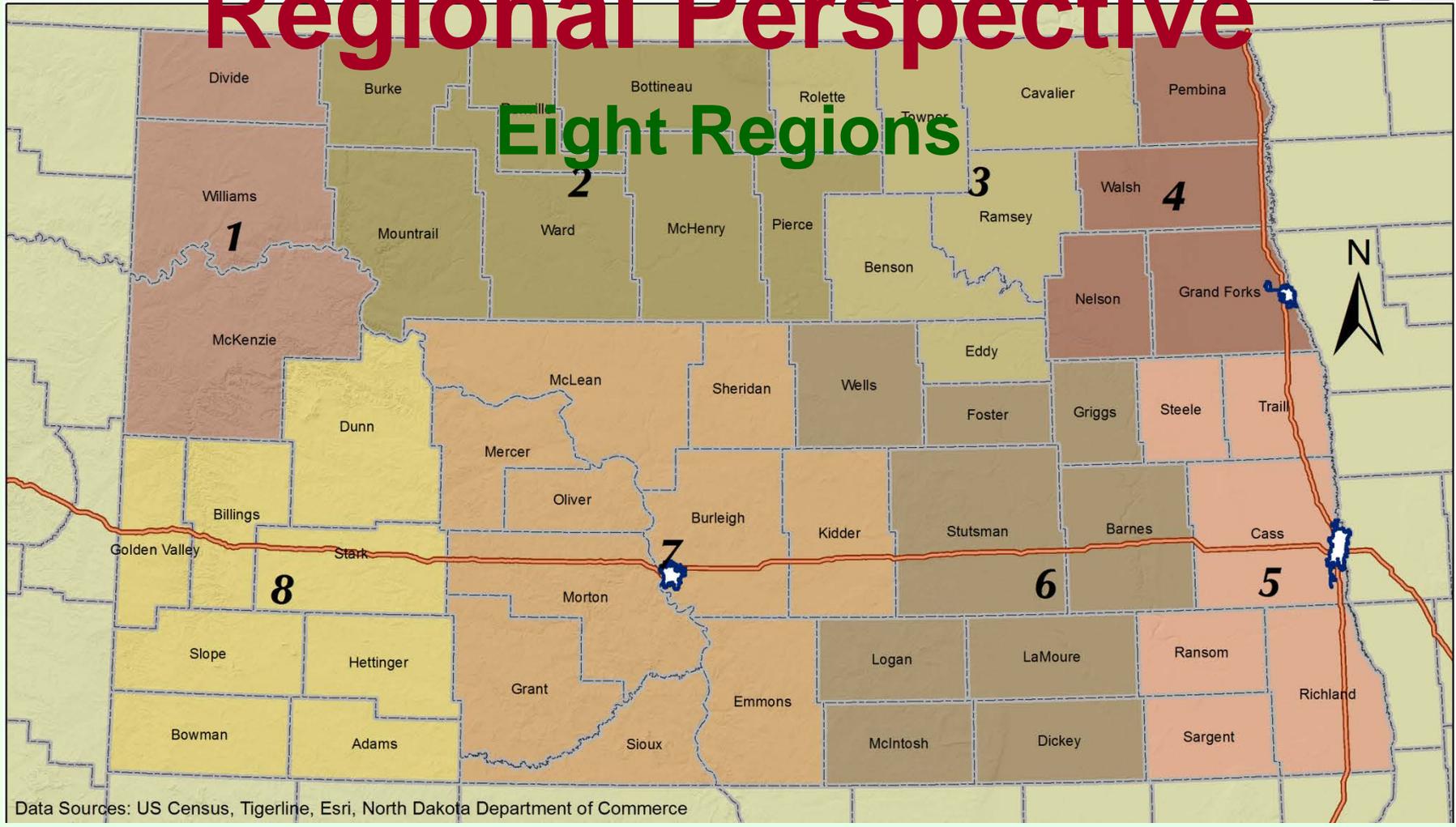
**What is the environment like today and what can we expect in the near future?**

- 1. Demographic trends**
- 2. Economic influences**
- 3. Housing situation**
- 4. Preliminary findings of surveys**



# Regional Perspective

## Eight Regions



Data Sources: US Census, Tigerline, Esri, North Dakota Department of Commerce



# Demographics:

## Total Population by Race/Ethnicity

### Population by Race and Ethnicity

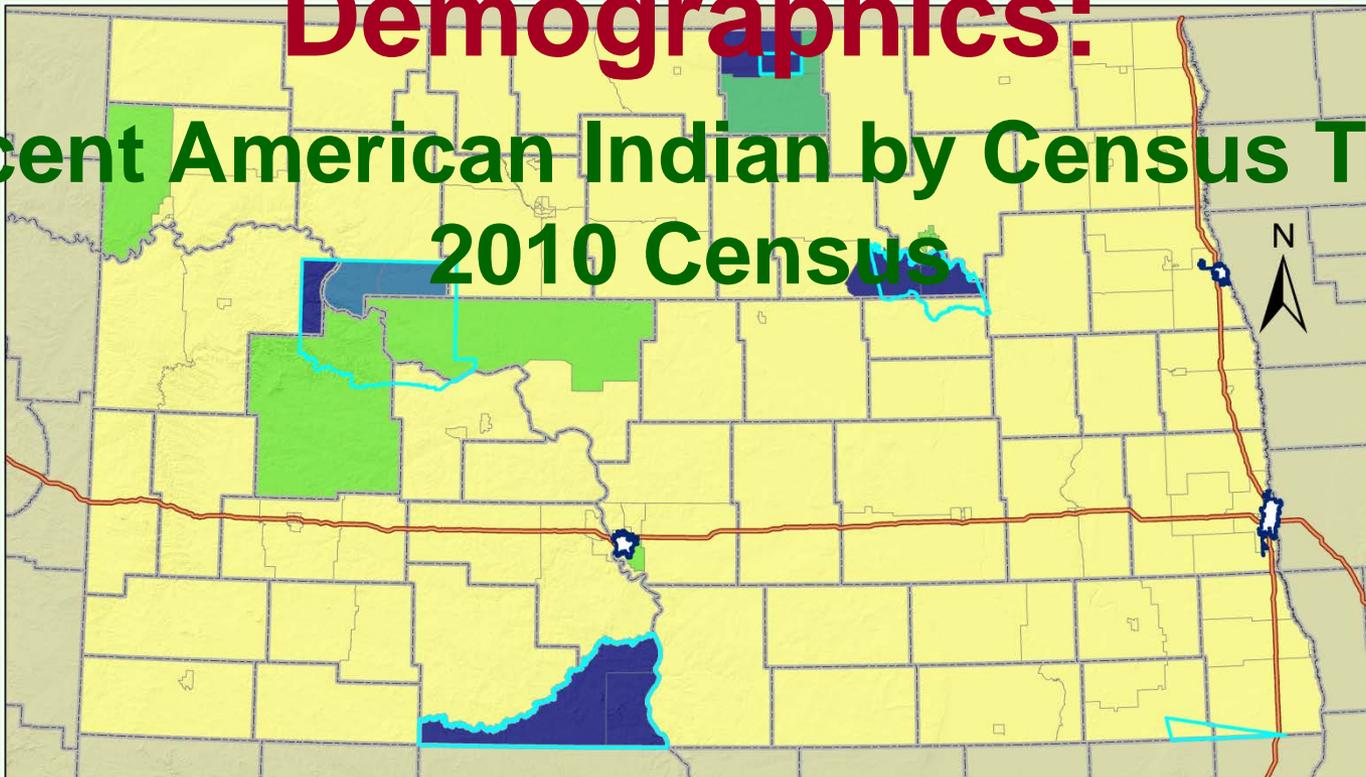
Non-Entitlement Areas of North Dakota  
2000 & 2010 Census SF1 Data

Race	2000 Census		2010 Census		% Change 00–10
	Population	% of Total	Population	% of Total	
White	409,186	91.6%	406,246	89.7%	-.7%
Black	2,412	.5%	3,647	.8%	51.2%
American Indian	26,969	6.0%	30,851	6.8%	14.4%
Asian	1,401	.3%	2,251	.5%	60.7%
Native Hawaiian/ Pacific Islander	147	.0%	239	.1%	62.6%
Other	1,757	.4%	2,290	.5%	30.3%
Two or More Races	4,876	1.1%	7,408	1.6%	51.9%
<b>Total</b>	<b>446,748</b>	<b>100.0%</b>	<b>452,932</b>	<b>100.0%</b>	<b>1.4%</b>
<b>Non-Hispanic</b>	<b>441,465</b>	<b>98.8%</b>	<b>444,058</b>	<b>98.0%</b>	<b>.6%</b>
<b>Hispanic</b>	<b>5,283</b>	<b>1.2%</b>	<b>8,874</b>	<b>2.0%</b>	<b>68.0%</b>



# Demographics:

## Percent American Indian by Census Tract: 2010 Census



**Legend**

**2010 American Indian Population**

2010 Average percent American Indian population in non-entitlement areas of North Dakota = 0.8% Disproportionate share threshold = 10.8% (A disproportionate share exists where the share of a population in a given Census tract exceeds the overall average by ten percentage points.)

**American Indian Population**

0.1% - 6.8%
6.9% - 16.8%
16.9% - 43.2%
43.3% - 69.6%
69.7% - 96%

Disproportionate Share Threshold

Miles

0 20 40 60

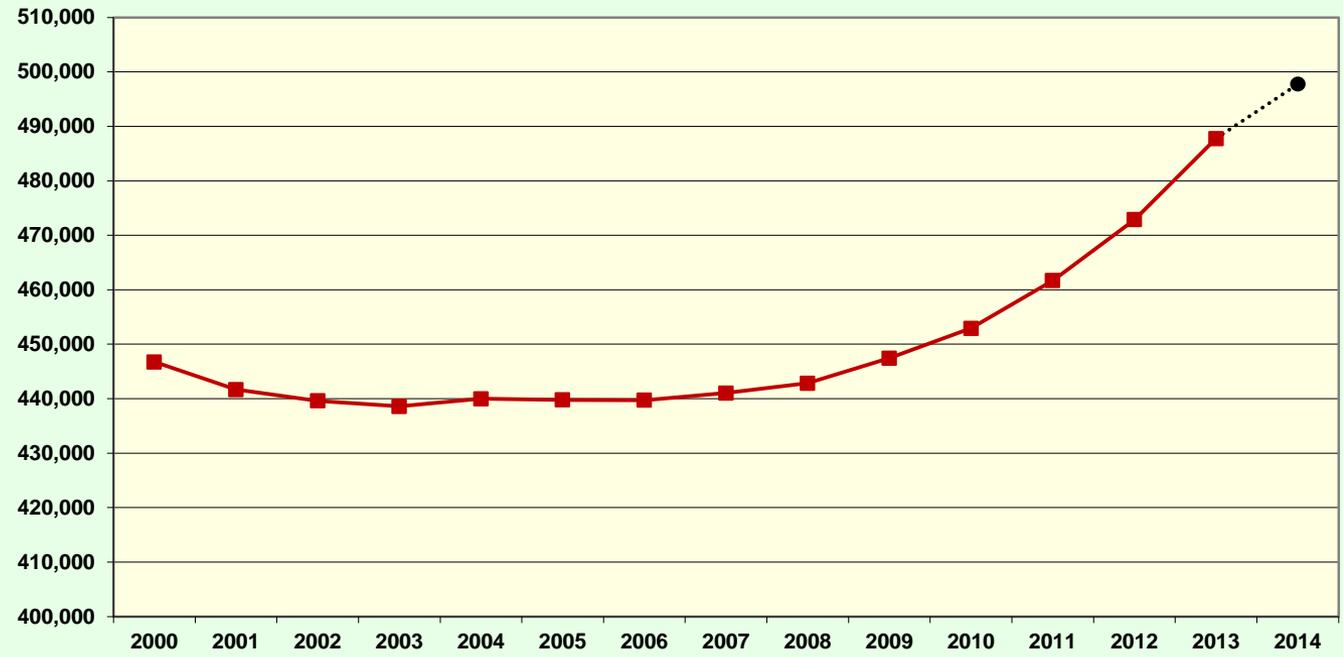
Data Sources: US Census Bureau, Esri, USGS

- Trilateral Reservation Areas
- Entitlement Cities
- Major Highways
- County Boundaries



# Demographics: Growth in Population

**Population**  
Non-Entitled Areas of North Dakota  
Census and Intercensal Estimates: 2000-2013



**2010 North Dakota = 672,591    2014 North Dakota = 739,482 or 9.9% Increase**



# Demographics: Population by Age

**Population by Age**  
Non-Entitlement Areas of North Dakota  
2000 & 2010 Census SF1 Data

Age	2000 Census		2010 Census		% Change 00-10
	Population	% of Total	Population	% of Total	
Under 5	27,371	6.1%	30,677	6.8%	12.1%
5 to 19	104,497	23.4%	88,322	19.5%	-15.5%
20 to 24	24,472	5.5%	28,333	6.3%	15.8%
25 to 34	47,423	10.6%	54,318	12.0%	14.5%
35 to 54	130,149	29.1%	120,588	26.6%	-7.3%
55 to 64	39,956	8.9%	58,657	13.0%	46.8%
65 or Older	72,880	16.3%	72,037	15.9%	-1.2%
<b>Total</b>	<b>446,748</b>	<b>100.0%</b>	<b>452,932</b>	<b>100.0%</b>	<b>1.4%</b>



# Demographics:

## Elderly Population by Age

**Elderly Population by Age**  
 Non-Entitlement Areas of North Dakota  
 2000 & 2010 Census SF1 Data

Age	2000 Census		2010 Census		% Change 00-10
	Population	% of Total	Population	% of Total	
65 to 66	7,147	9.8%	8,315	11.5%	16.3%
67 to 69	10,500	14.4%	10,939	15.2%	4.2%
70 to 74	17,517	24.0%	15,621	21.7%	-10.8%
75 to 79	14,735	20.2%	13,568	18.8%	-7.9%
80 to 84	11,546	15.8%	11,390	15.8%	-1.4%
85 or Older	11,435	15.7%	12,204	16.9%	6.7%
<b>Total</b>	<b>72,880</b>	<b>100.0%</b>	<b>72,037</b>	<b>100.0%</b>	<b>-1.2%</b>



# Demographics:

## Household Size

### Households by Household Size

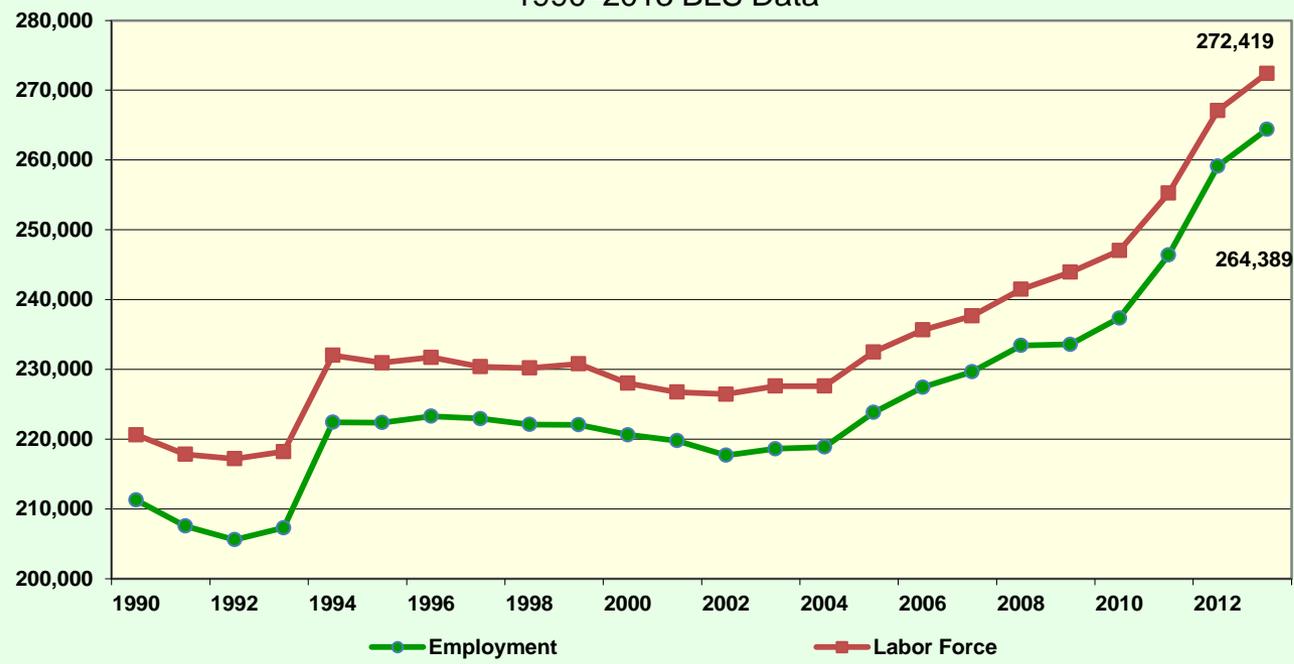
Non-Entitlement Areas of North Dakota  
2000 & 2010 Census SF1 Data

Size	2000 Census		2010 Census		% Change 00-10
	Households	% of Total	Households	% of Total	
One Person	48,458	27.7%	54,196	29.3%	11.8%
Two Persons	61,054	34.9%	68,987	37.3%	13.0%
Three Persons	24,975	14.3%	24,967	13.5%	.0%
Four Persons	23,610	13.5%	20,996	11.4%	-11.1%
Five Persons	11,628	6.6%	10,319	5.6%	-11.3%
Six Persons	3,637	2.1%	3,543	1.9%	-2.6%
Seven Persons or More	1,660	0.9%	1,870	1.0%	12.7%
<b>Total</b>	<b>175,022</b>	<b>100.0%</b>	<b>184,878</b>	<b>100.0%</b>	<b>05.6%</b>



# Economics: Labor Force Statistics

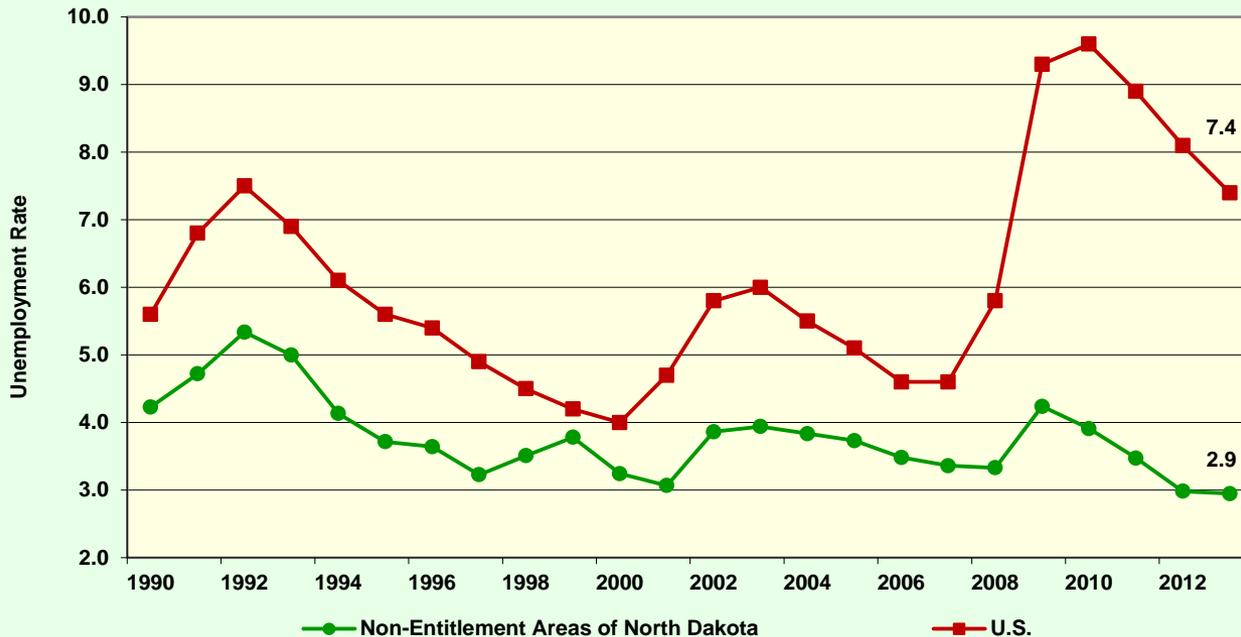
**Labor Force and Employment**  
Non-Entitled Areas of North Dakota  
1990–2013 BLS Data





# Economics: Unemployment Rates

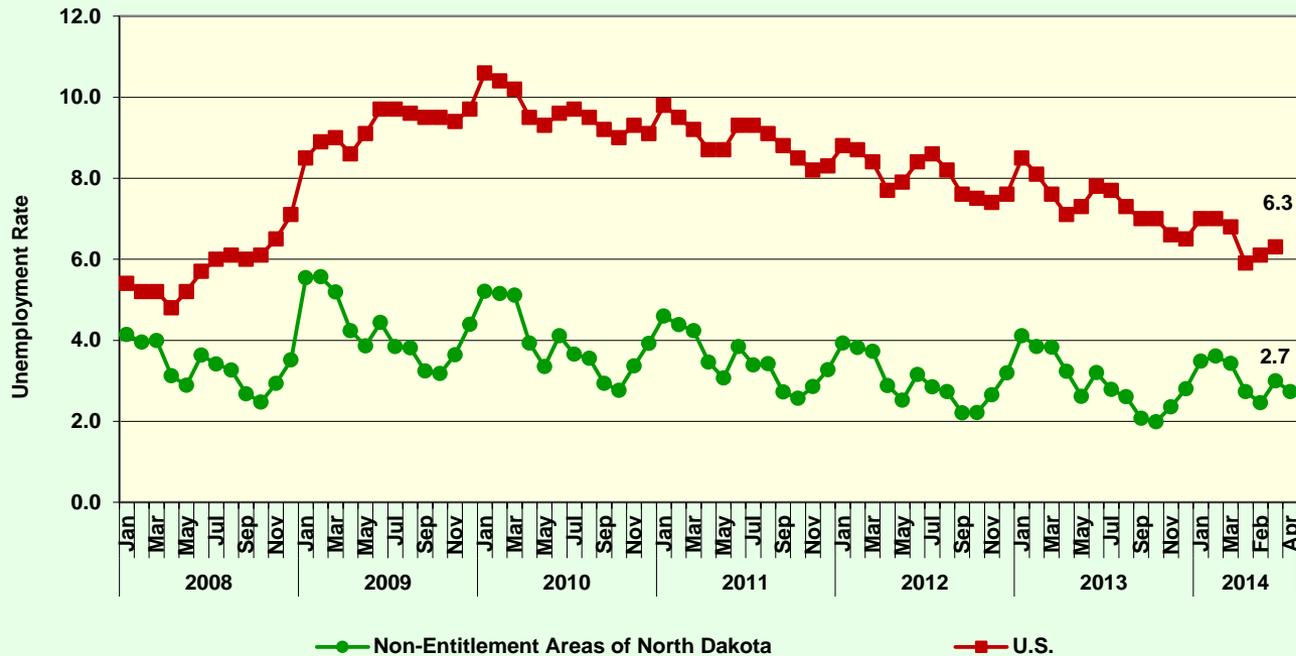
**Unemployment Rate**  
Non-Entitled Areas of North Dakota  
1990–2013 BLS Data





# Economics: Unemployment Rates

**Monthly Unemployment Rate**  
Non-Entitled Areas of North Dakota  
2008–April 2014 BLS Data

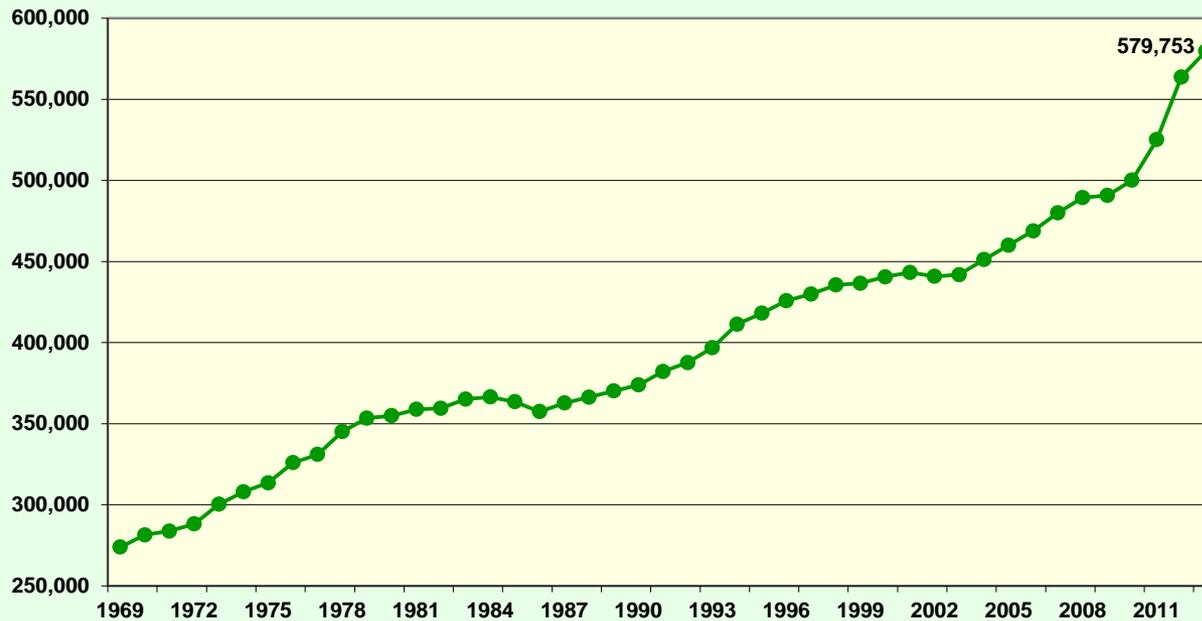




# Economics:

## Total Full- and Part-Time Employment

**Total Employment**  
State of North Dakota  
1990–2013 BEA Data

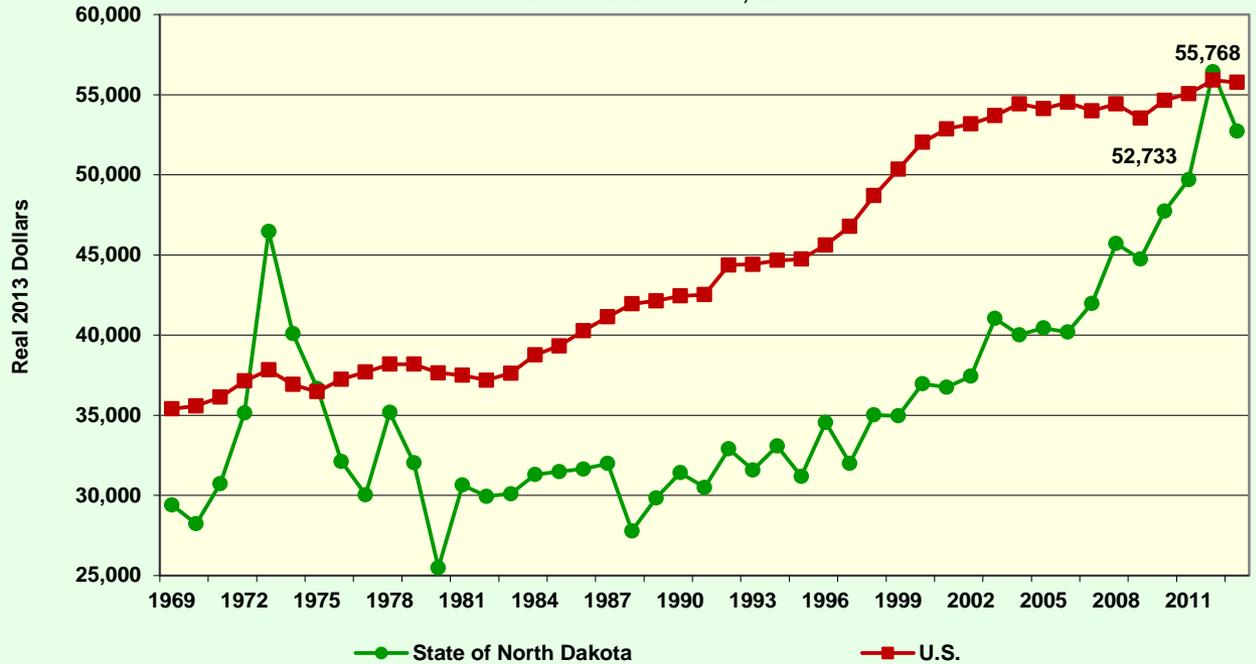




# Economics:

## Average Earnings Per Job

Average Earnings Per Job  
 State of North Dakota  
 1990–2013 BEA Data, 2013 Dollars

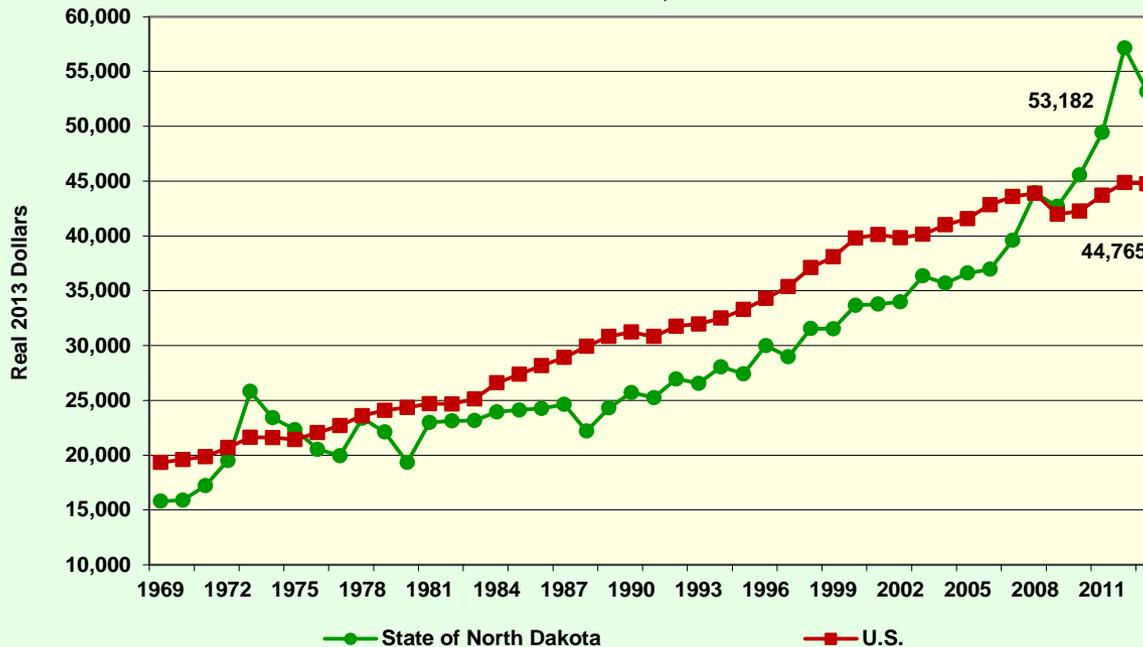




# Economics:

## Real Per Capita Income

Real Per Capita Income  
 State of North Dakota  
 1990–2013 BEA Data, 2013 Dollars





# Economics:

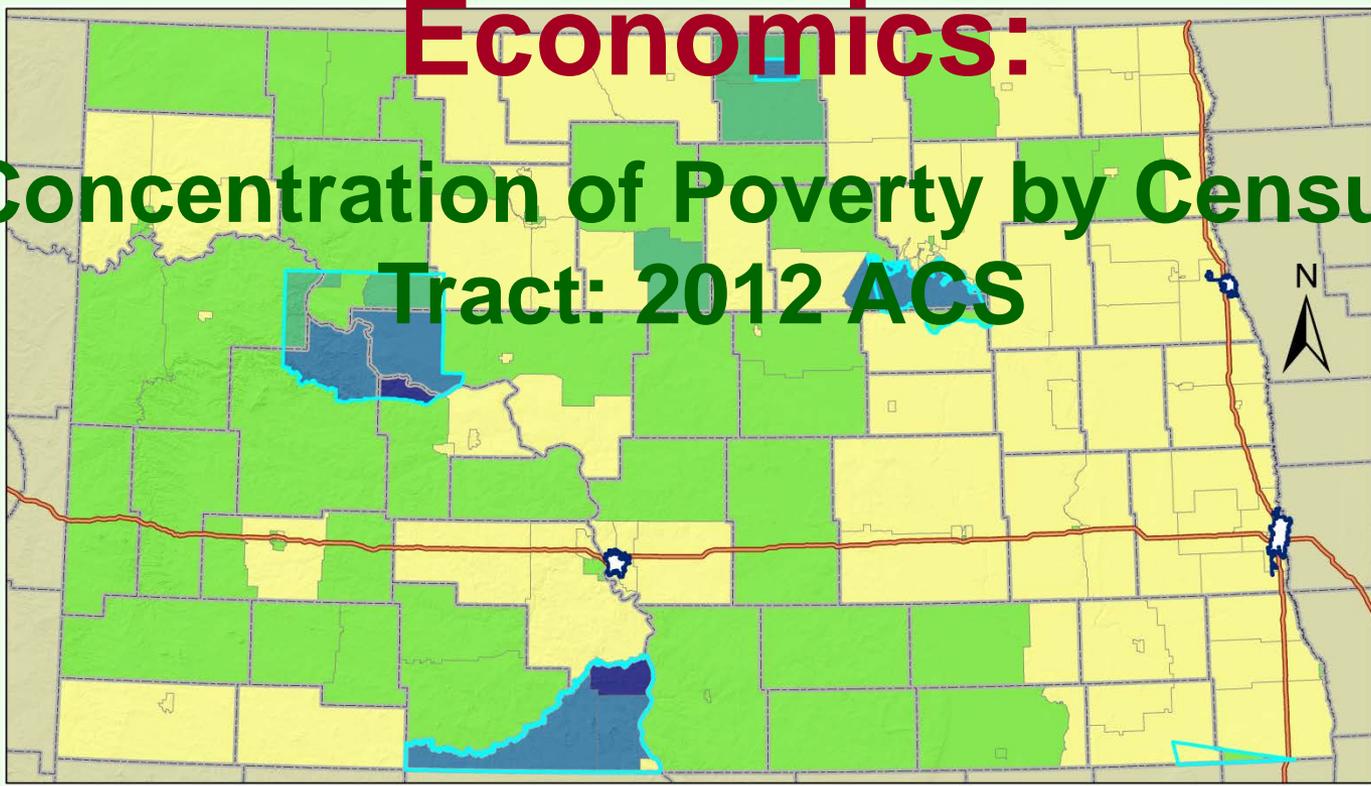
## Poverty in North Dakota

**Poverty by Age**  
 Non-Entitlement Areas of North Dakota  
 2000 Census SF3 & 2012 Five-Year ACS Data

Age	2000 Census		2012 Five-Year ACS	
	Persons in Poverty	% of Total	Persons in Poverty	% of Total
Under 6	5,772	11.1%	6,290	13.3%
6 to 17	11,462	22.0%	9,052	19.1%
18 to 64	26,567	51.1%	23,479	49.5%
65 or Older	8,227	15.8%	8,588	18.1%
<b>Total</b>	<b>52,028</b>	<b>100.0%</b>	<b>47,409</b>	<b>100.0%</b>
<b>Poverty Rate</b>	<b>12.0%</b>	.	<b>10.7%</b>	.



# Economics: Concentration of Poverty by Census Tract: 2012 ACS



**Legend**

**2000 Poverty Rates**  
 2000 Average poverty rate in non-entitlement areas of North Dakota = 12%. Disproportionate share threshold = 22% (A disproportionate share exists where the share of a population in a given Census tract exceeds the overall average by ten percentage points.)

**Poverty Rates**

0% - 12%
12.1% - 22%
22.1% - 31.3%
31.4% - 40.6%
40.7% - 49.9%

Tribal Reservation Areas  
 Entitlement Cities  
 Major Highways  
 County Boundaries

Disproportionate Share Threshold

0 10 20 30 Miles



# Housing:

## Total Housing Units

**Housing Units by Tenure**  
 Non-Entitlement Areas of North Dakota  
 2000 & 2010 Census SF1 Data

Tenure	2000 Census		2010 Census		% Change 00-10
	Units	% of Total	Units	% of Total	
Occupied Housing Units	175,022	86.0%	184,878	85.8%	5.6%
Owner-Occupied	128,130	73.2%	134,869	73.0%	5.3%
Renter-Occupied	46,892	26.8%	50,009	27.0%	6.6%
Vacant Housing Units	28,400	14.0%	30,567	14.2%	7.6%
<b>Total Housing Units</b>	<b>203,422</b>	<b>100.0%</b>	<b>215,445</b>	<b>100.0%</b>	<b>5.91%</b>



# Housing:

## Vacant Housing

### Disposition of Vacant Housing Units

Non-Entitlement Areas of North Dakota  
2000 & 2010 Census SF1 Data

Disposition	2000 Census		2010 Census		% Change 00-10
	Units	% of Total	Units	% of Total	
For Rent	5,334	18.8%	4,419	14.5%	-17.15%
For Sale	3,999	14.1%	1,789	5.9%	-55.26%
Rented or Sold, Not Occupied	1,439	5.1%	1,241	4.1%	-13.76%
For Seasonal, Recreational, Occasional Use	7,964	28.0%	11,027	36.1%	38.46%
For Migrant Workers	263	0.9%	315	01.0%	19.77%
Other Vacant	9,401	33.1%	11,776	38.5%	25.26%
<b>Total</b>	<b>28,400</b>	<b>100.0%</b>	<b>30,567</b>	<b>100.0%</b>	<b>7.6%</b>



# Housing: Dwelling Types

## Housing Units by Type

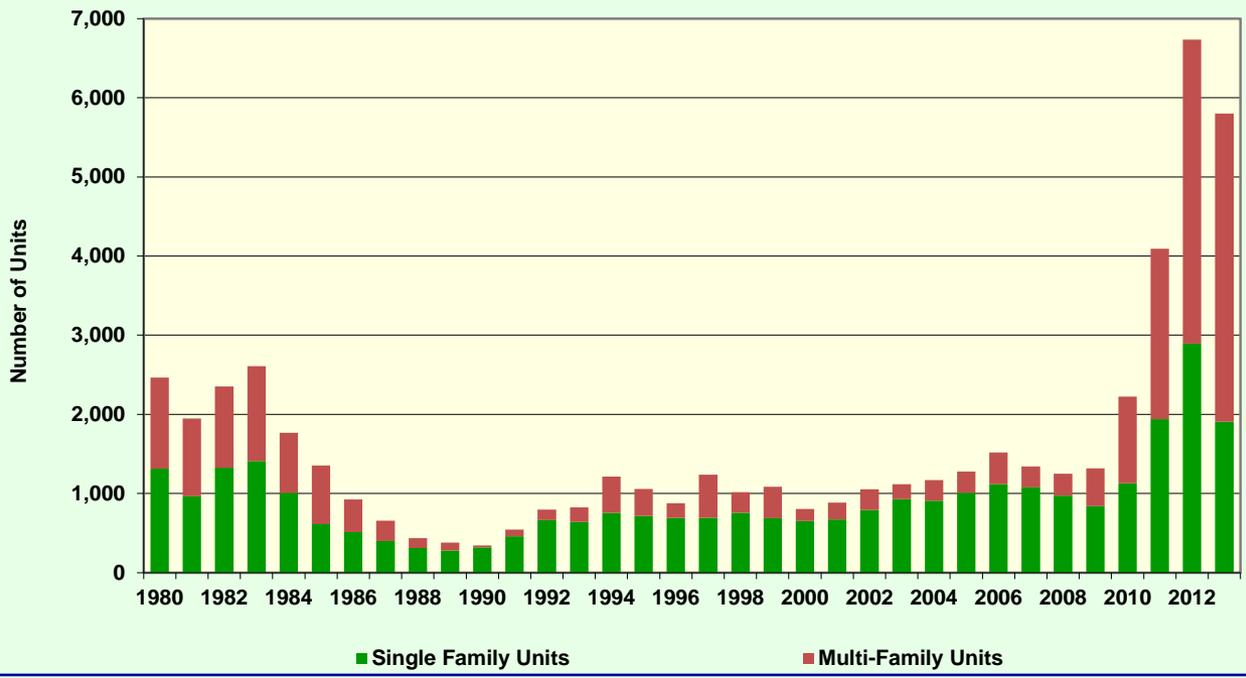
Non-Entitlement Areas of North Dakota  
2000 Census SF3 & 2012 Five-Year ACS Data

Unit Type	2000 Census		2012 Five-Year ACS	
	Units	% of Total	Units	% of Total
Single-Family	150,480	74.0%	162,804	75.0%
Duplex	3,945	1.9%	3,861	1.8%
Tri- or Four-Plex	8,554	4.2%	7,555	3.5%
Apartment	18,885	9.3%	22,758	10.5%
Mobile Home	21,289	10.5%	20,068	9.2%
Boat, RV, Van, Etc.	255	0.1%	101	0.0%
<b>Total</b>	<b>203,408</b>	<b>100.0%</b>	<b>217,147</b>	<b>100.0%</b>



# Housing: Housing Permits

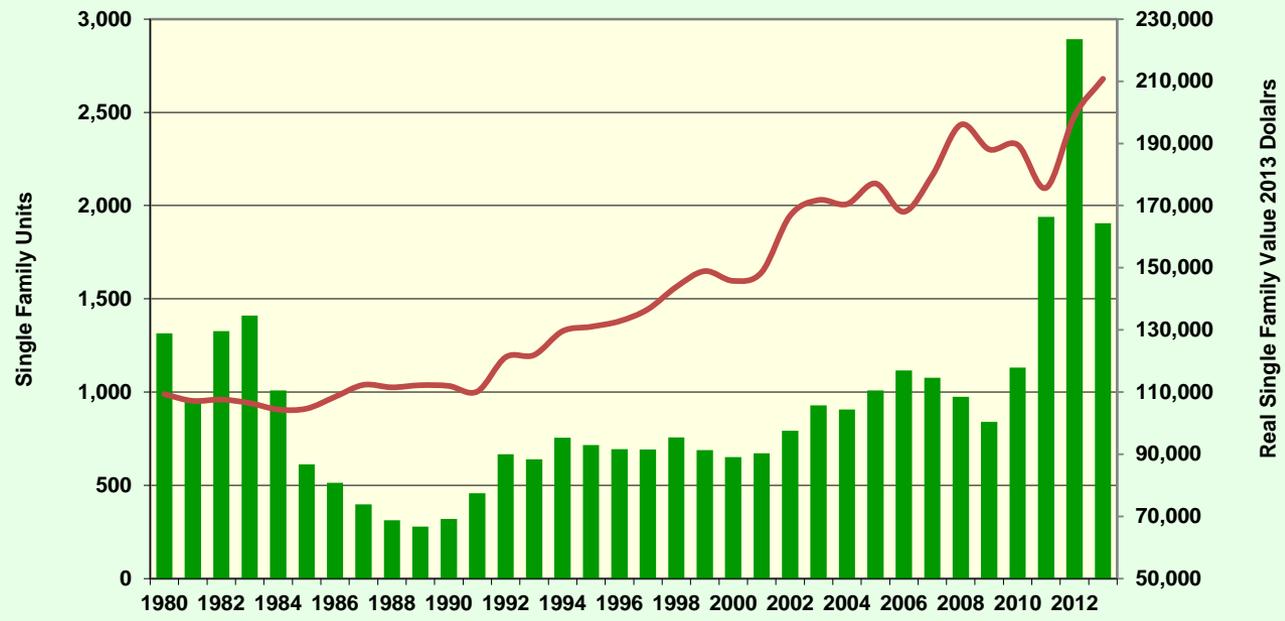
**Housing Permits**  
Non-Entitled Areas of North Dakota  
1990–2013 Census Data





# Housing: Housing Permits

**Single Family Permits and Value of Construction**  
 Non-Entitled Areas of North Dakota  
 1990–2013 Census Data





# Housing:

## Median Housing Costs

**Median Housing Costs**  
State of North Dakota  
2000 Census SF3 & 2012 Five-Year ACS Data

<b>Housing Cost</b>	<b>2000</b>	<b>2012</b>
Median Contract Rent	\$412	\$535
Median Home Value	\$74,400	\$123,900



# Housing:

## Housing Cost Burdens

**Cost Burden and Severe Cost Burden by Tenure**  
 Non-Entitled Areas of North Dakota  
 2000 Census & 2012 Five-Year ACS Data

Data Source	31%-50%		Above 50%	
	Households	% of Total	Households	% of Total
<b>Owner With a Mortgage</b>				
2000 Census	5,493	12.0%	2,332	5.1%
2012 Five-Year ACS	9,054	13.0%	3,760	5.4%
<b>Owner Without a Mortgage</b>				
2000 Census	2,400	5.7%	1,552	3.7%
2012 Five-Year ACS	4,199	6.2%	3,145	4.6%
<b>Renter</b>				
2000 Census	6,035	13.7%	4,567	10.3%
2012 Five-Year ACS	7,340	15.1%	6,829	14.0%
<b>Total</b>				
2000 Census	13,928	10.6%	8,451	6.4%
2012 Five-Year ACS	20,593	11.1%	13,734	7.4%



# 2015 Survey

## Suggested Allocation of Resources

### How Would You Allocate Resources

State of North Dakota

2015 Housing and Community Development Survey

Area	Percentage Allocated
Housing	31.44%
Public Facilities	19.67%
Water Systems	12.90%
Human Services	12.63%
Infrastructure	11.34%
Economic Development	10.71%
All Other	1.31%
<b>Total</b>	<b>100.0%</b>

<https://www.research.net/s/2014NorthDakotaHCDSurvey>



# 2015 Survey

## Preliminary Infrastructure Needs

The Need for the Following Infrastructure Activities

State of North Dakota

2015 Housing and Community Development Survey

Question	No Need	Low Need	Medium Need	High Need	Missing	Total
Street and road improvements		10	33	37	28	108
Sidewalk improvements	1	19	28	31	29	108
Bicycle and walking paths	4	22	22	29	31	108
Water system capacity improvements	3	24	34	18	29	108
Flood drainage improvements	2	30	30	16	30	108
Bridge improvements	6	21	33	16	32	108
Sewer system improvements	3	28	31	15	31	108
Storm sewer system improvements	2	25	36	15	30	108
Water quality improvements	6	28	32	13	29	108
Solid waste facility improvements	3	28	34	12	31	108



# 2015 Survey

## Preliminary Pub. Fac. Needs

The Need for the Following Community and Public Facilities

State of North Dakota

2015 Housing and Community Development Survey

Question	No Need	Low Need	Medium Need	High Need	Missing	Total
Childcare facilities	2	1	11	65	29	108
Residential treatment centers	5	10	25	39	29	108
Community centers	2	9	32	37	28	108
Youth centers	1	8	34	36	29	108
Healthcare facilities	5	19	27	27	30	108
Parks and recreational centers	1	18	36	23	30	108
Senior centers	2	23	35	19	29	108
Public buildings with improved accessibility	3	21	31	18	35	108
Other infrastructure activities	4			8	96	108



# Summary

- 1. Rapidly rising population**
- 2. Rising elderly households**
- 3. Increasing large households**
- 4. Significant demands for infrastructure improvement as well as development**
- 5. Questions about 2015 oil fields...**



# Discussion

- 1. What are our greatest needs?**
- 2. What are our most difficult barriers and constraints?**
- 3. What can we do about these barriers and constraints?**
- 4. Are there other concerns?**



# Discussion



- 1. What key infrastructure needs should we address in the next five years?**
- 2. How can we best promote this infrastructure enhancement?**
- 3. Other Concerns?**



# Conclusion

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