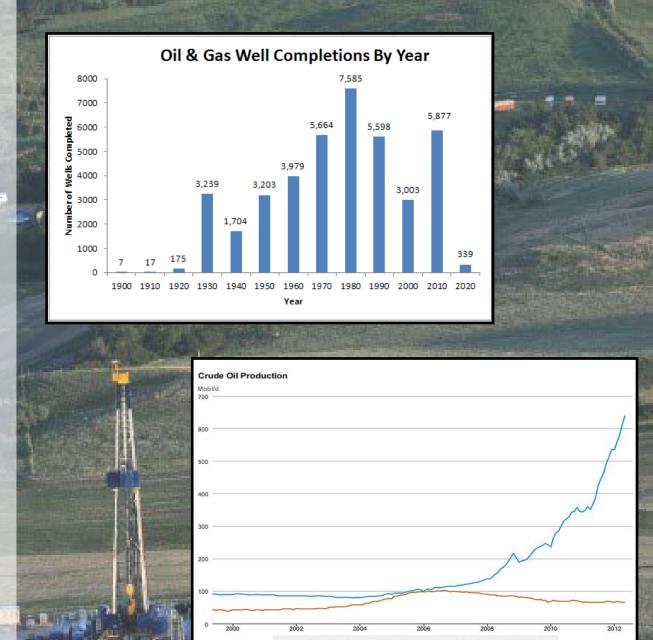
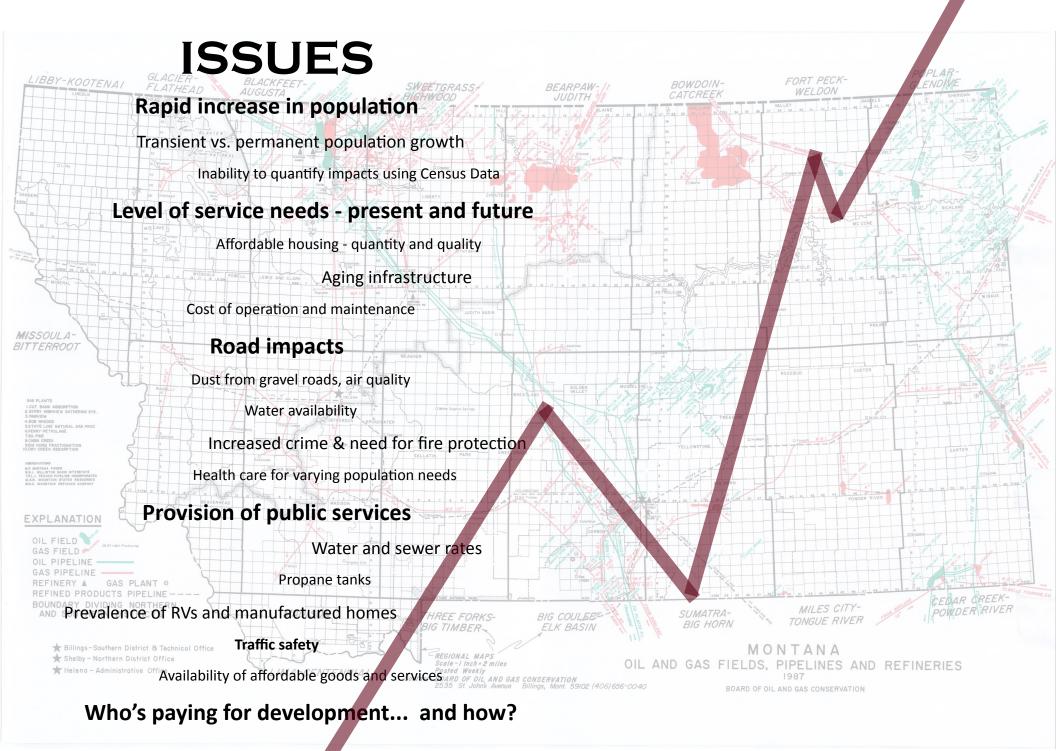
# PLANNING FOR IMPACT



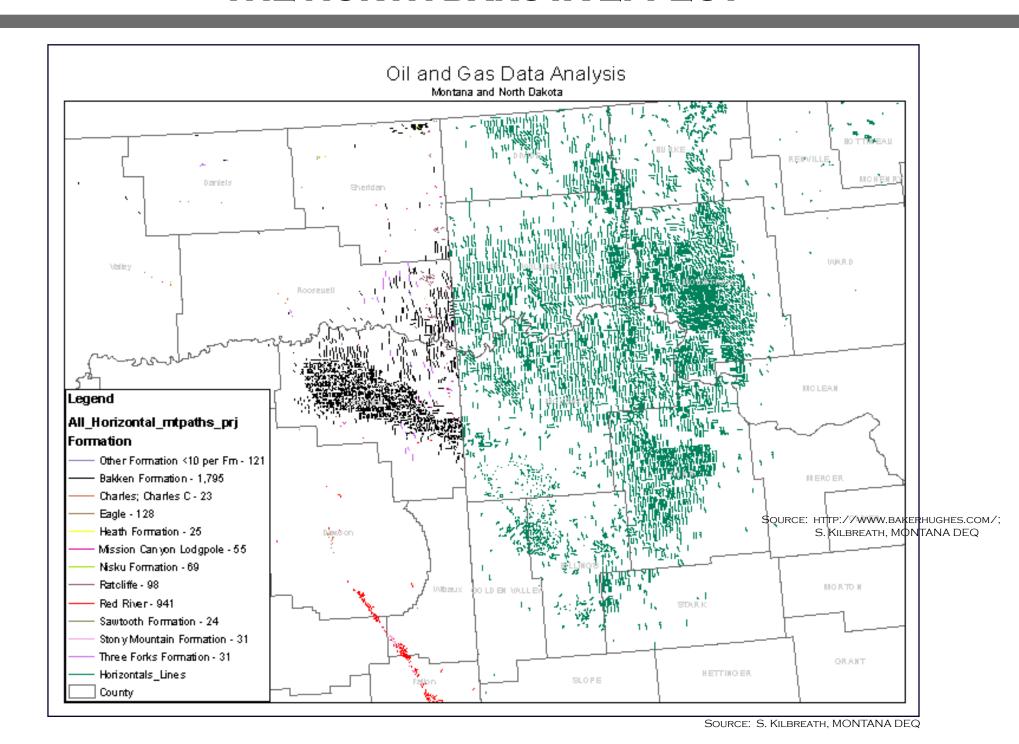
#### THE BAKKEN: A BRIEF HISTORY

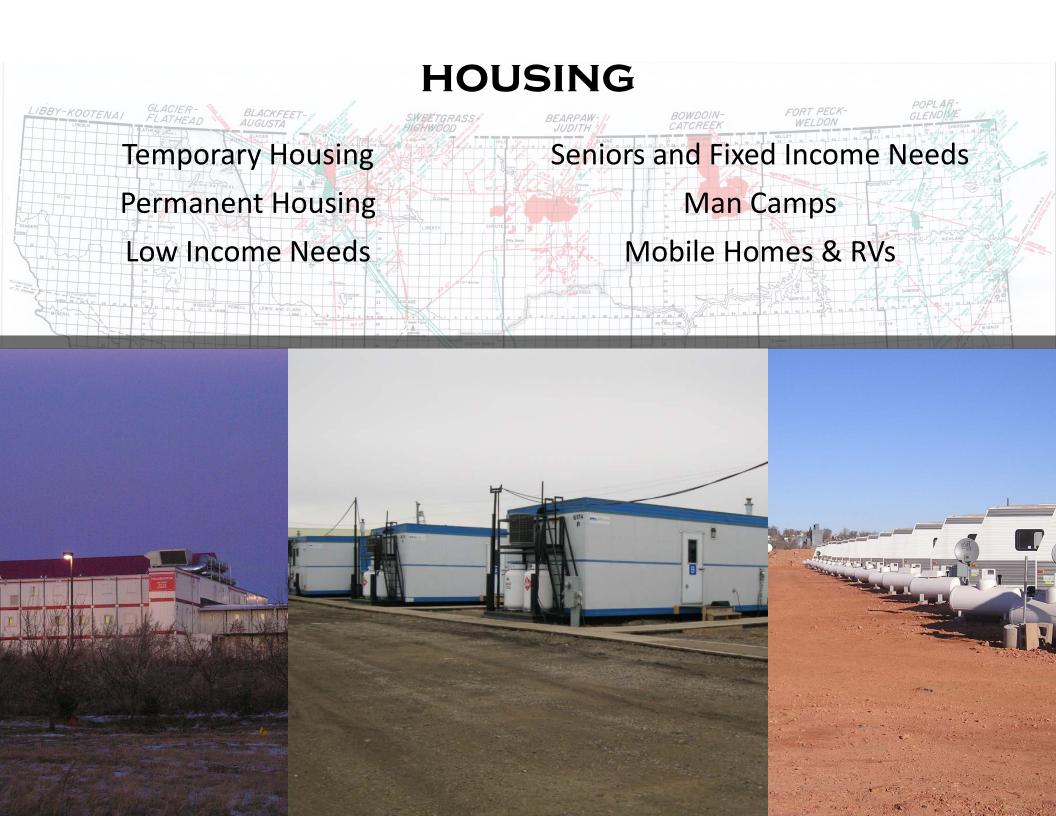
- The last 40 years in the Bakken...
- Resource extraction as part of Montana's history:
  - Regions affected generally the same
- Previous 'boom and bust' cycles:
  - Early-mid 1980s
  - Outcome of previous 'bust'
- Planning challenges:
  - Effective planning for boom-time must address what will happen in the long term
  - Acknowledgement of inevitable 'bust'
  - How you address housing, infrastructure and public services must be two-fold; what is needed now compared to what will be necessary 18 months (and 20 years) from now
  - Fluctuations in workforce related to the drilling of a well;
    - Peak when drilling, with potential reduction of 2/3 within 18-24 months.

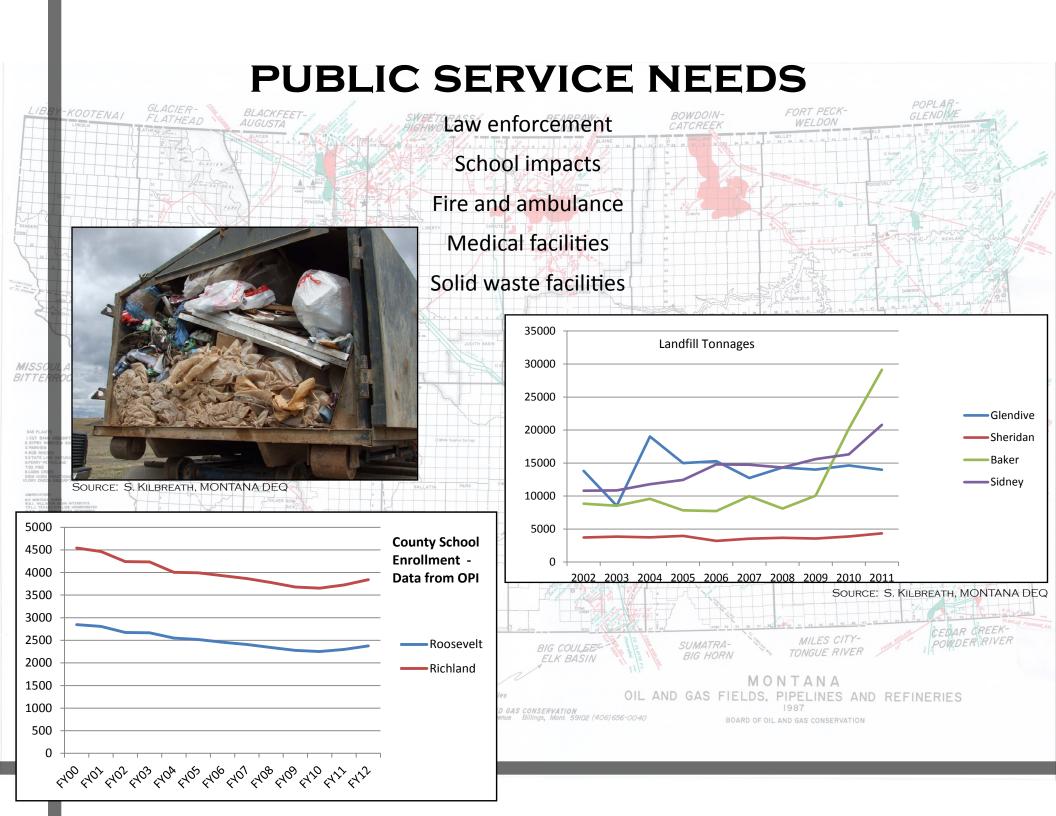




#### THE NORTH DAKOTA EFFECT







### **TRANSPORTATION**

LIBBY-KOOTENAI

Increase in truck traffic = increased wear & tear on roads

Air quality issues - many roads in eastern MT remain gravel

Impacts to public health & safety - Main Streets are typically primary transit routes

Impacts to rail & air - moving people, goods and services between MT, ND & beyond



# PUBLIC INFRASTRUCTURE

Planning for population growth that remains uncertain & variable

Capacity - accomodating necessary growth at a manageable level

Cost of future development and infrastructure necessary for public health & safety

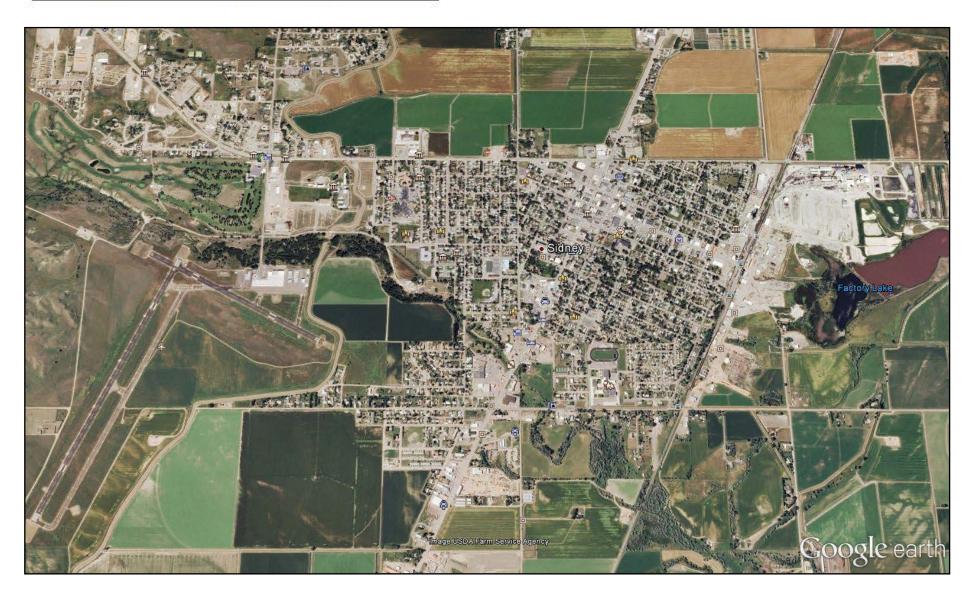
Operation & maintenance fees - how to assess a transient population?



# SIDNEY, MT

Jurisdiction	2000	2010	% Change
Sidney*	4774	5191	9%

- Sidney serves as County Seat; incorporated in 1913
- 3 major state highways intersect in or near Sidney
- 1,240 total road miles throughout the County's jurisdiction

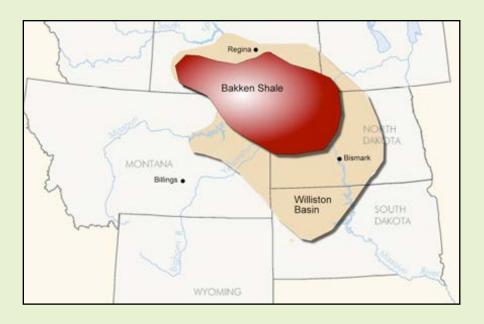




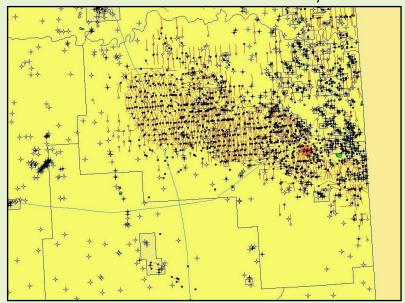
# ECONOMICS OF AN OIL BOOM

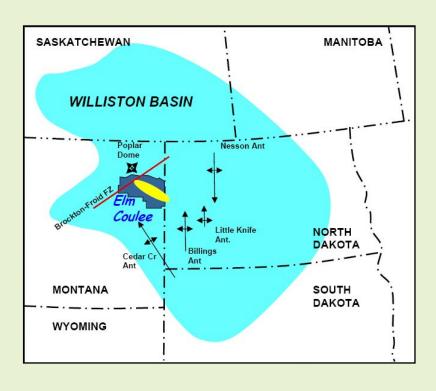
- Oil boom in the late 1970's late 1980's
- Main industry prior to oil development:
   Agriculture
- Oil exploration in the Elm Coulee formation began in 2000; drilling continues today
- Unemployment rate in Jan of 2013 estimated at 2.1%
- Majority of oil extraction is occurring 45 miles from Sidney - across the MT/ND border in eastern North Dakota.....

#### Drilling & extraction began in 2000 around the Elm Coulee formation...



Oil well locations in Richland County





# Housing

• Apartment Rentals:

Then \$250 - \$475...

...Now \$1,000 per bed

• Single Family Housing:

Then \$100k to \$150k...

...Now \$200k to \$350k

(standard time on market = 28 days)

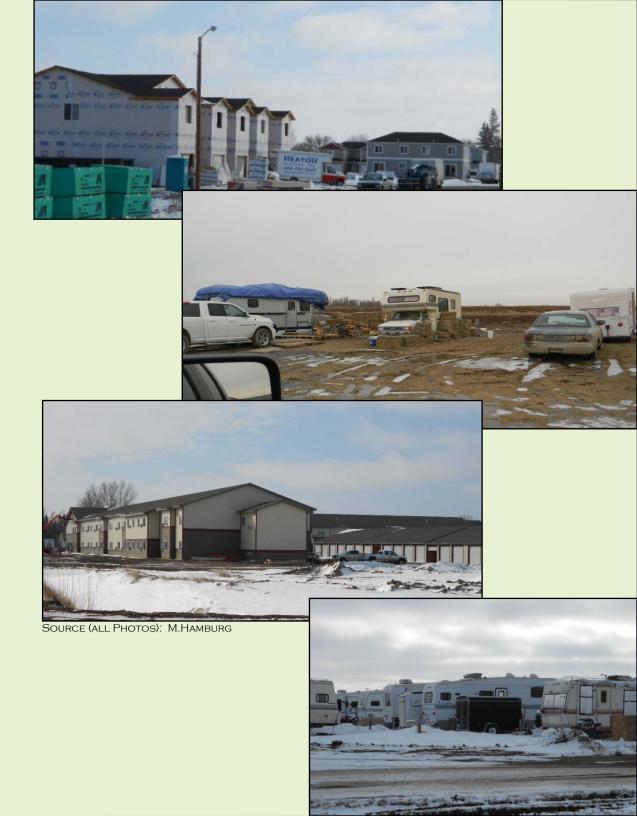
• Hotels/Motels:

Used to be 4 in town...

...now 7, with 5 more proposed!

Rates that were once \$65/night...

...now \$200 to \$300 a night.





.... HOUSING ALTERNATIVES

SOURCE: STEVE KILBREATH, MONTANA DEQ

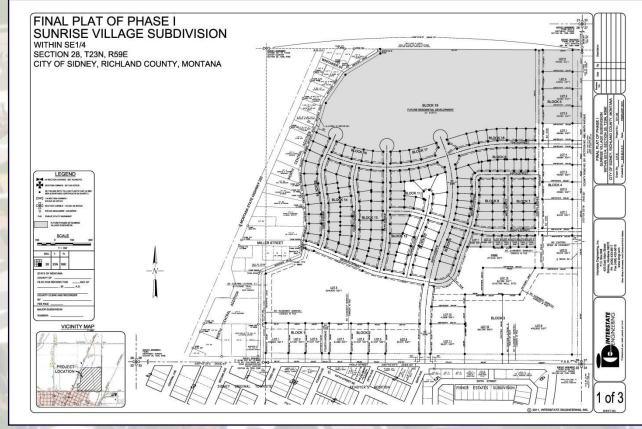


RV PARK IN SIDNEY, MT Source: A. Cossitt, 2012

#### SUBDIVISION REVIEW

- 25 years between major subdivision submittals (1983 to 2007)
- As of June of 2010 37 major subdivisions submitted in Richland County
- Since 2010, 16 temporary workforce housing applications submitted

Year	Subdivision	<b>Exemption Surveys</b>	Total plats reviewed
1982	18	98	116
1987	1	26	27
1992	0	23	23
1997	7	8	15
2002	9	17	26
2007	14	24	38
2012	29	55	84



### **PUBLIC SERVICES**

Impacts to public services include...

- Health services
- School facilities
- Fire and emergency services
- Law enforcement









Gentral Business District

## Nelson Nygaard

### INFRASTRUCTURE

- 1,240 road miles to care for in Richland Co.
- Average weight of a 5-axle rig = 80,000 lbs.
- Causes more damage to road surface than 5,000 cars
- Increase weight to 90,000 lbs... expect 42% more damage to road surface

Traffic Count (24 hr Average)

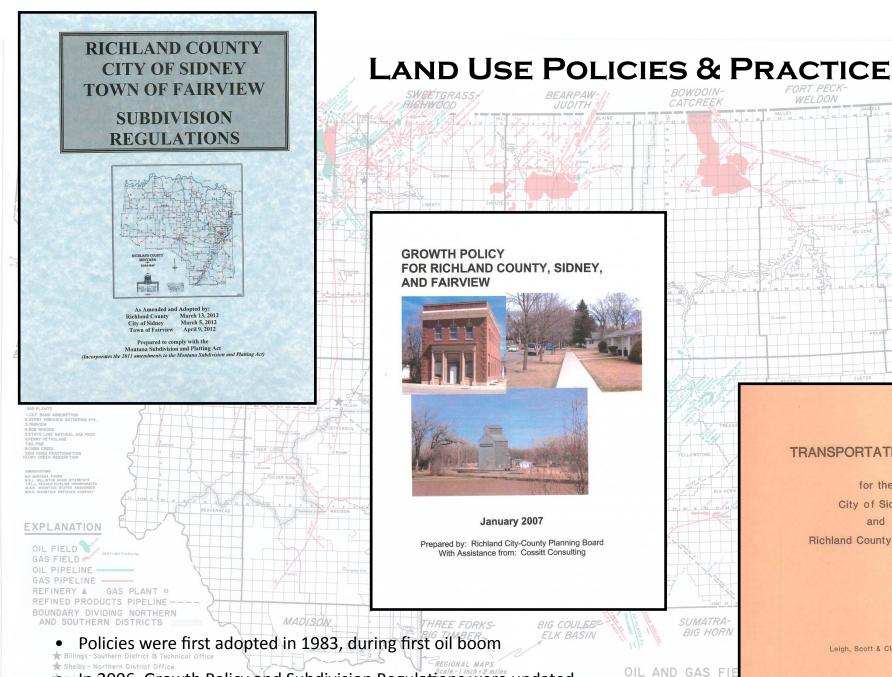


13,580

# WATER & WASTEWATER



Source: Steve Kilbreath, Montana DEQ



In 2006, Growth Policy and Subdivision Regulations were updated

Requiring update: Growth Policy, Capital Improvements Plan (CIP), Annexation Plan, Zoning Regulations...

#### TRANSPORTATION PLAN

for the City of Sidney and Richland County, Montana

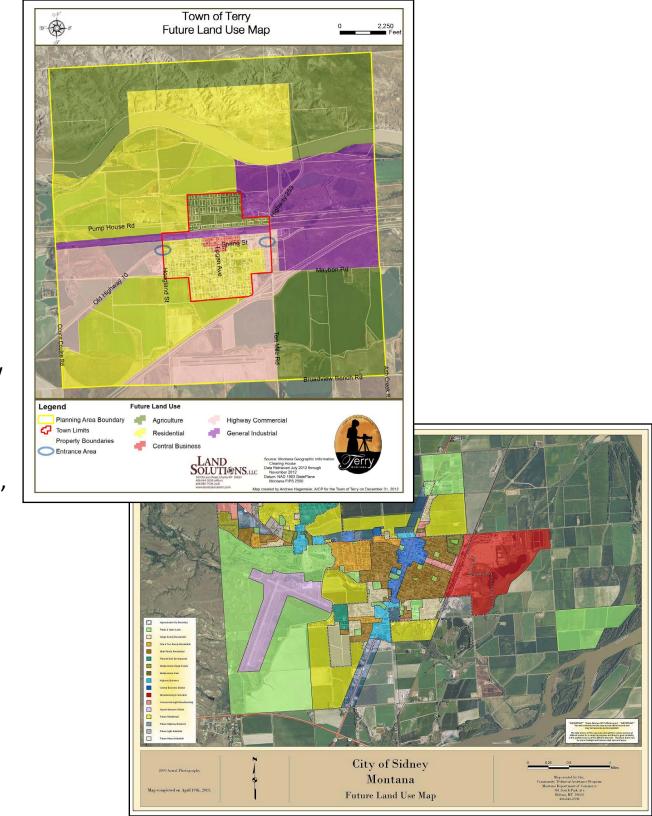
Leigh, Scott & Cleary, Inc.

### COMPREHENSIVE PLANNING IN MONTANA

76-1-605(2), MCA

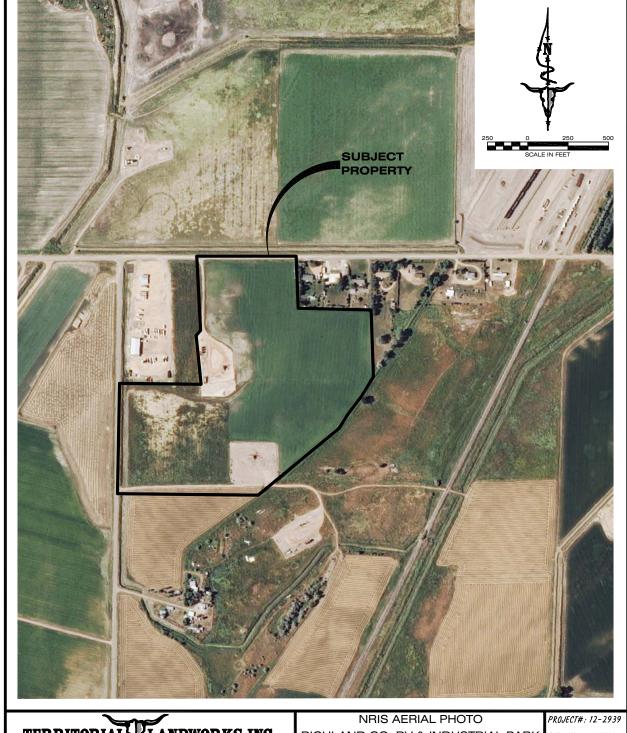
MONTANA CODE ANNOTATED

- (a) "A growth policy is not a regulatory document and does confer any authority to regulate that is not otherwise specifically authorized by law or regulations adopted pursuant to the law."
- (b) "A governing body may not withhold, deny, or impose conditions on any land use approval or other authority to act based solely on compliance with a growth policy..."



### **SUBDIVISION REVIEW**

- The 'De-Facto' planning tool in much of Montana
- Enabling legislation sounds like zoning, but does not truly address 'use'
- What happens when there is no zoning in place and subdivision is the prevailing regulation to guide growth and development?





Civil Engineering • Surveying • Land Use Consulting

PO Box 3851 Missoula, MT 59806

RICHLAND CO. RV & INDUSTRIAL PARK
PORTION OF GOV'T LOTS 3 AND 4
SECTION 1, T23N, R59E, P.M.M.
RICHLAND COUNTY, MONTANA

PROJECT#: 12-29.

TAB: AERIAL PHOTO

DRAFTER: SA

DATE: 8/14/12

DIAG LOCATION: TAL ACTIVE EI ECIOLO BRO IECTORODO HALL BAYNE EAIBVIEM MINIOR CLIRONI

#### **ZONING & ANNEXATION IN MONTANA**

#### ORDINANCE ADOPTING ZONING FOR WORKFORCE HOUSING

**MODEL ORDINANCE FOR MUNICIPALITIES** 

Under the authority of 76-2-301, MCA

Insert Name of City], Montana

Ordinance No. \_

WHEREAS, recent technological advances in oil and gas drilling have allowed certain petroleum deposits to become economical to develop; and

WHEREAS, initial oil and gas well development 'or pipeline construction' requires a large, temporary workforce that needs housing; and

WHEREAS, the rapid proliferation of workforce housing in the region requires measures to classify and regulate the location and conditions on such housing in order to provide a basic level of public health, safety, and general welfare and to mitigate the impacts so as to not unduly burden the residents of <u>Insert name of purisdiction</u>; and

WHEREAS, the [insert name of jurisdiction's] Growth Policy provides guidance for encouraging development that provides for [sofe streets, sofe and effective water supply and wastewater treatment, etc... fill in whatever policies, goals or objectives are met by the proposed zoning]; and

WHEREAS, the proposed zoning secures safety from fire and other dangers by providing a review process and criteria that ensure housing will be located in a manner that permits access by fire protection services, require adequate water supply for fire suppression, and reduce the risk of spreading fire by requiring structural separation; and

WHEREAS, the proposed zoning promotes the public health, public safety, and general welfare by providing for a review process and development standards that ensure availability of adequate water, wastewater, solid waste, and other public utilities for workforce housing; the provision of adequate emergency and other public services; adequate grading and drainage; legal and physical access to the housing facilities; landscaping and visual buffering of the site from adjacent uses; and provides for the appropriate location and construction standards of workforce housing to ensure the preservation of the values of the quality of life and property in the municipality while meeting the immediate demand for workforce housing; and

#### RESOLUTION NO. 20 -

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF Invest name, MONTANA ESTABLISHING A SERVICE PLAN FOR FUTURE ANNEXATIONS AS REQUIRED UNDER MONTANA CODES ANNOTATED TITLE 7, CHAPTER 2, PART 46 "ANNEXATION BY PETITION" AND PART 47 "ANNEXATION WITH PROVISION OF SERVICES."

#### A. Introduction

Whereas, the City of the common hereby recognizes that Montana State law has established municipal governments for the purpose of providing local government municipal services essential for sound urban development of communities as well as for the protection of health, safety and welfare in areas either already being intensively used or undergoing development for residential. commercial, industrial, institutional and governmental purposes.

"Historically, the purpose of Montana's annexation statutes have been simply to provide expanding communities with:

- 1. a united and effective single form of government;
- orderly growth through uniform regulations such as building codes, planning, and zoning standards; and
- an equal sharing of community resources and financial responsibility for those resources by people living in an area united by social, political, and economic interests. (From Montana's Annexation Laws: An Evaluation, November 1980, Montana Legislative Council)."

#### B. Long Range Plan

As required by MCA 7-2-4732, this plan anticipates development for a period of at least five years into the future. The 2010 Census lists the City of [insert name] is population at [insert project plan of the project project plan of the project project plan of the project proje

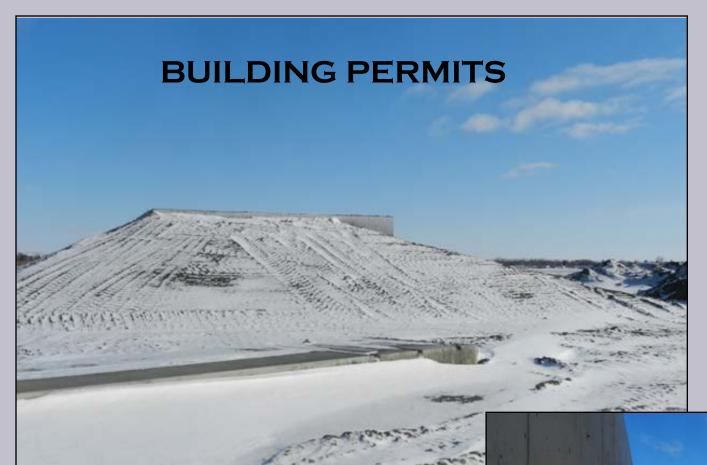
current population. It is projected that the City could reach a population of finsert projected population by 2017 include source of projection. Studies such as those noted below if available should be consulted when reviewing proposed annexations.

- Seweg The City's sewage treatment facility can serve a population of insect amount.
   An upgrade to the facility would service a population of insect amount.
   Provide general description of sewer capacity and future upgrades, if currently planned, and secribe any long range plans and future upgrades).

   Water The City's water capacity can serve a population of insect amount. An upgrade
- Water The City's water capacity can serve a population of fineer amount. An upgrade
  to the system would service a population of insert amount. (Provide general
  description of water capacity, if currently planned, and describe any long range plans and
  future upgrades.)
- 3. Roads Future road extensions shall be designed to accommodate projected demand.

  Where possible, logical extensions of the City's street network will be required. (Provide

1



Source: A. Cossitt, 2012



### **IMPACT FEES**



Source: Steve Kilbreath, Montana DEQ



Source: A. Cossitt, 2012

# CHALLENGES..... .....AND OPPORTUNITIES

Challenge: Increased development but lack of affordable housing...

Opportunity: Restoration of housing stock previously in disrepair due to population decline.

Challenge: Planning comprehensively and integrating regulatory measures in a timely manner...

**Opportunity:** Establish a vision to create a place that people desire to live in when the boom subsides, to inspire local leaders to take action now.

**Challenge:** Long history of agriculture having to quickly adapt to a new boom reality...

Opportunity: Invest in community infrastructure, amenities and population to sustain another fifty years in this place.

Challenge: Dealing with the short and long term impacts of resource development spanning two states and multiple jurisdictions...

**Opportunity:** Statewide coordination to support regional planning and collaboration that will have long lasting impacts on communities within the Bakken.





#### **ALLISON MOUCH, AICP**

PLANNING BUREAU CHIEF
COMMUNITY DEVELOPMENT DIVISION
MONTANA DEPARTMENT OF COMMERCE

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OIL & GAS COORDINATOR

MONTANA DEPARTMENT OF ENVIRONMENTAL QUALITY

DIRECTOR'S OFFICE



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