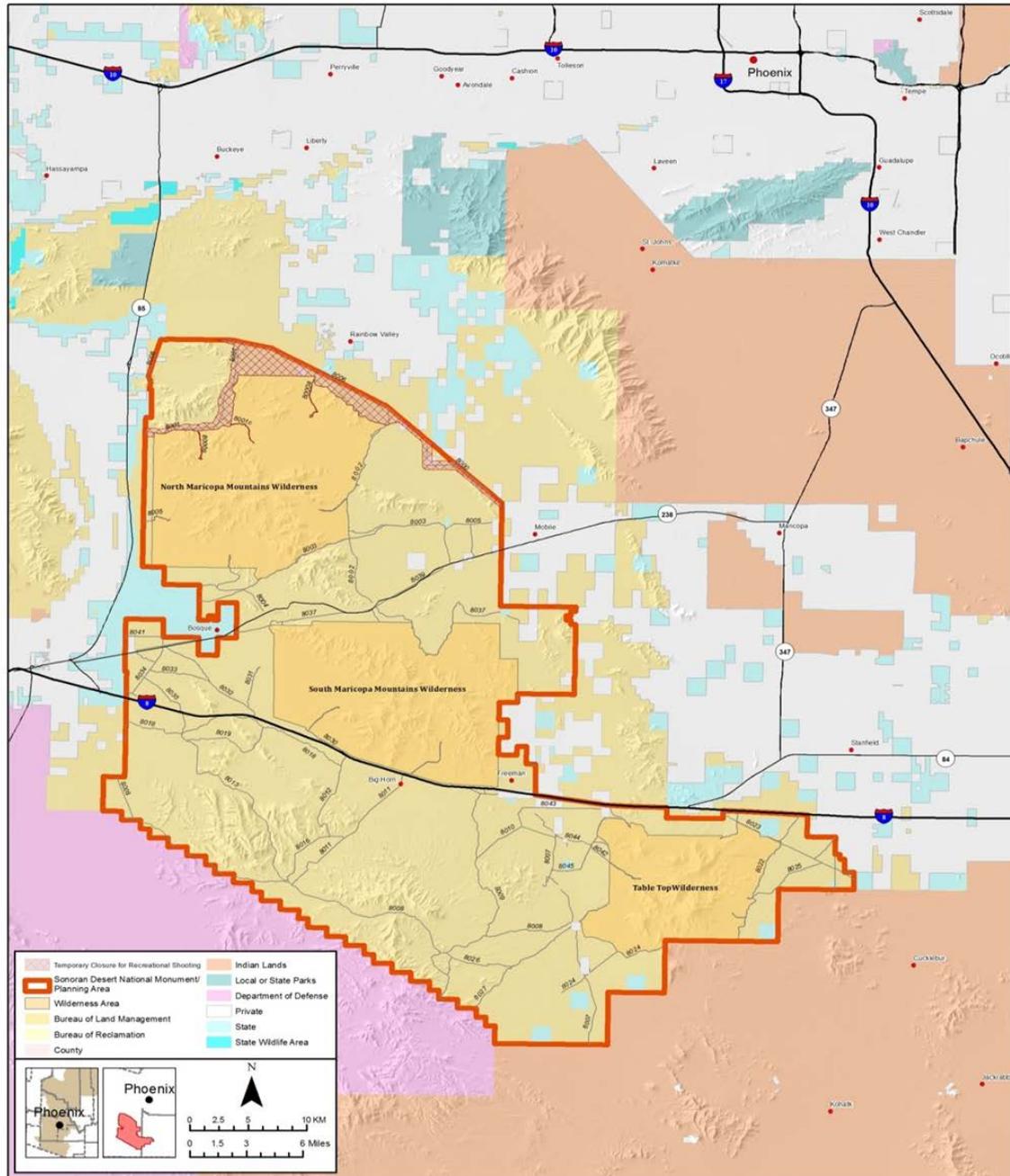


Sonoran Desert National Monument Resource Management Plan Amendment and Environmental Impact Statement

**Socioeconomic Workshop
August 12, 2016**



Sonoran Desert National Monument Resource Management Plan Amendment Planning Area



August 2016

While every effort has been made to ensure the accuracy of this information, the BLM makes no warranty, expressed or implied, as to the accuracy and expressly disclaims liability for the accuracy thereof. No warranty is made by the BLM for the use of this map for purposes not intended by BLM.



BUREAU OF LAND MANAGEMENT

Planning Area

- 496,400 acres of south central Arizona
 - 440,622 in Maricopa County
 - 55,733 in Pima County

Surface Management	Acres	Percent of Planning Area
BLM	486,400	98.0%
State of Arizona	3,900	0.8%
Privately-owned	6,100	1.2%
Total	496,400	100%



Socioeconomic Planning Area

■ Maricopa, Pinal, and Pima Counties

Population Centers of Interest:

- Phoenix
- Ajo
- Goodyear
- Buckeye
- Gila Bend
- Mobile
- Maricopa



Social and Economic Data Sources

- Headwaters Economics
 - publically available in the Economic Profile System-Human Dimensions Toolkit (EPS-HDT)
- For more info see:
<http://headwaterseconomics.org/tools/eps-hdt>



Social and Economic Data Sources

- EPS-HDT Data Sources include:
 - US Census Bureau (10 year census and American Community Survey [ACS])
 - US Bureau of Economic Analysis
 - US Bureau of Labor Statistics and other federal data sets
- Other potential sources include:
 - Data collected by state and county agencies
 - Studies by special interest groups



Current Social and Economic Trends

- Questions to consider while viewing data:
 - What social and economic trends have you observed in your community?
 - Do you have questions or concerns about data presented?
 - Do you have additional/alternative data sources or reports to recommend?
 - How might the data presented influence by BLM management decisions related to recreational target shooting?



Current Social and Economic Trends

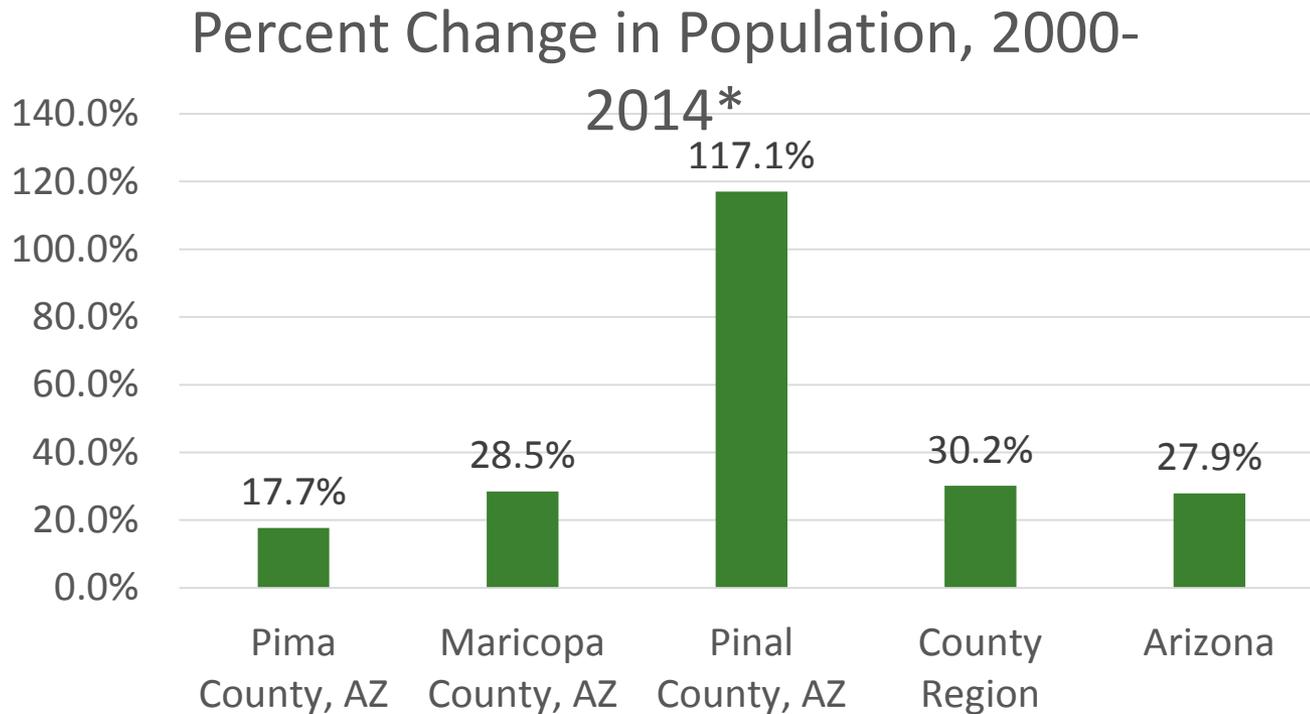
Population (2014)

	Pima County	Maricopa County	Pinal County	County Region	Arizona
Population (2014)	993,144	3,947,382	390,160	5,330,686	6,561,516
Population (2000)	843,746	3,072,149	179,727	4,095,622	5,130,632
Population Percent Change (2000-2014)	17.7%	28.5%	117.1%	30.2%	27.9%

*The data in this table are calculated by ACS using annual surveys conducted during 2010-2014 and are representative of average characteristics during this period.

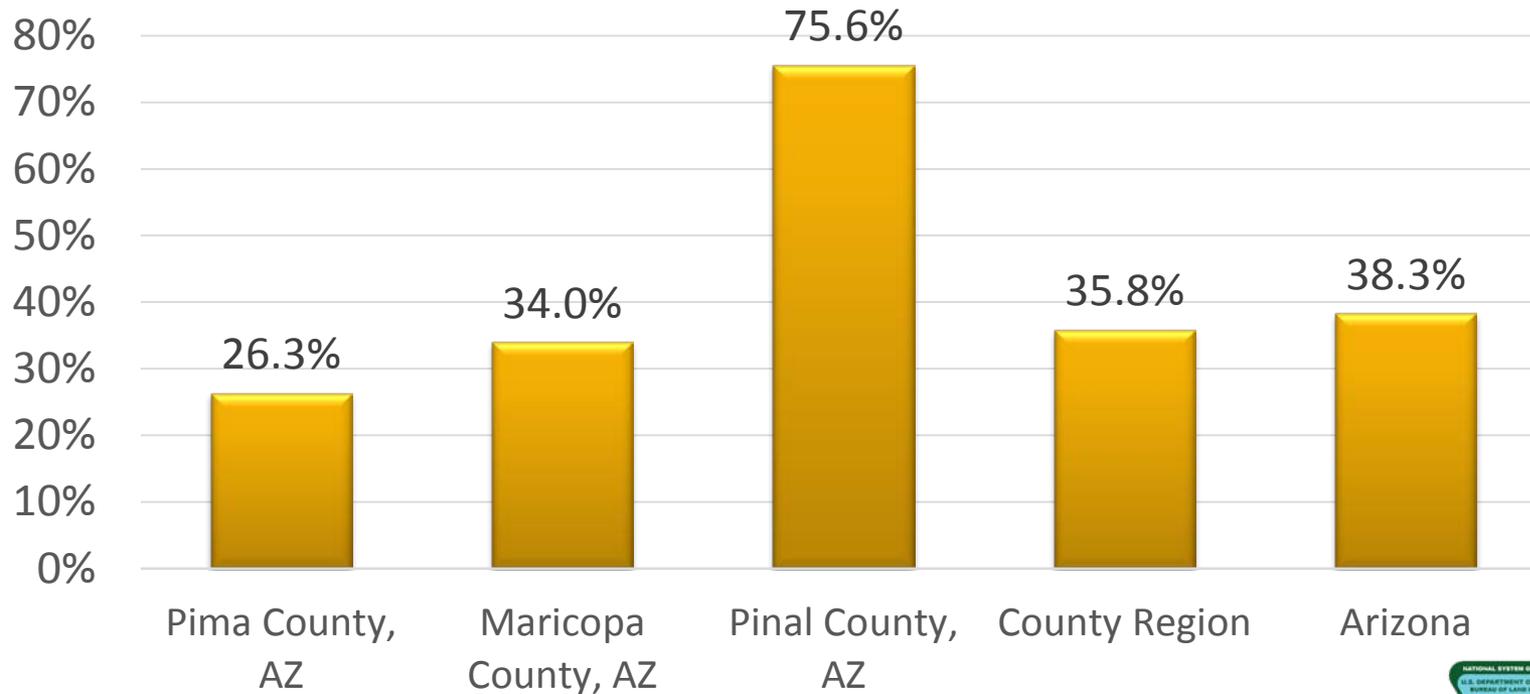


Current Social and Economic Trends



Current Social and Economic Trends

Land Area Developed with Residences, Percent Change, 2000-2010



Current Social and Economic Trends

Population by Race and Ethnicity (2013)

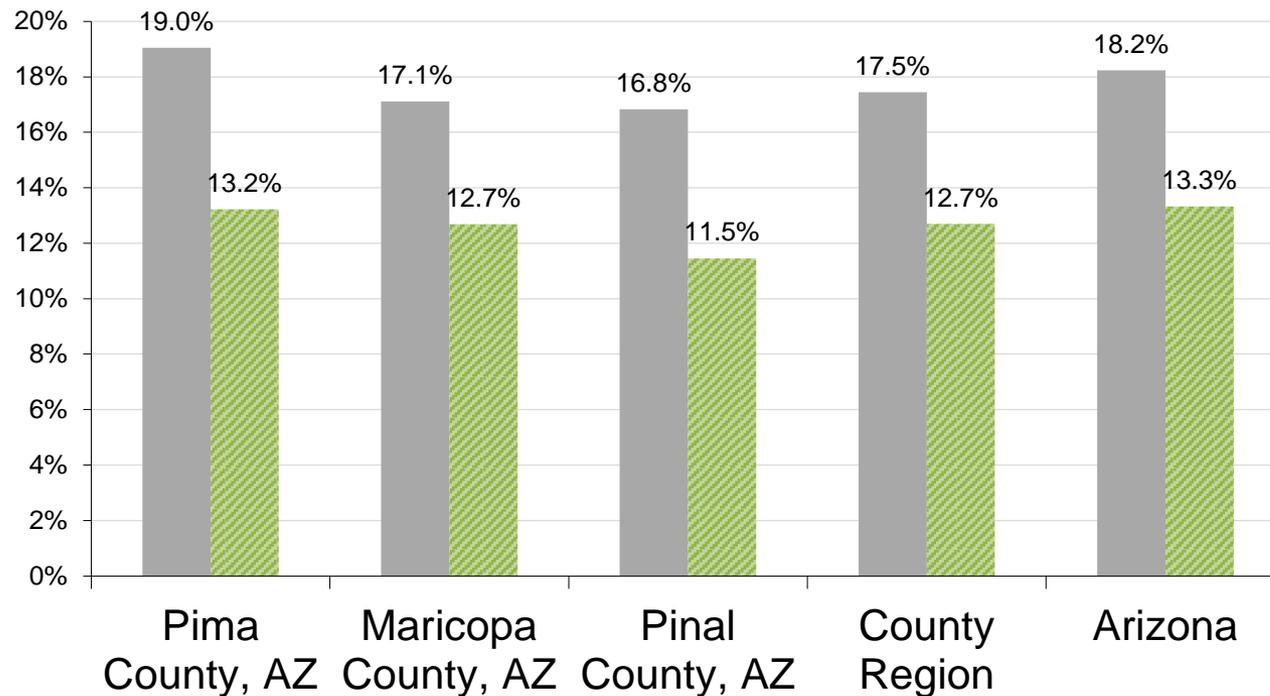
Percent of Total	Pima County	Maricopa County	Pinal County	County Region	Arizona
Hispanic or Latino of any race	35.4%	29.9%	29.0%	30.9%	30.1%
White alone	78.8%	80.1%	79.4%	79.8%	78.9%
Black or African American alone	3.6%	5.2%	4.6%	4.8%	4.2%
American Indian alone	3.2%	1.9%	5.3%	2.4%	4.4%
Asian alone	2.7%	3.7%	1.7%	3.3%	2.9%
Native Hawaiian & Other Pacific Is. alone	0.1%	0.2%	0.4%	0.2%	0.2%
Some other race alone	8.2%	6.0%	5.7%	6.4%	6.4%
Two or more races	3.5%	3.0%	2.8%	3.1%	3.1%
Aggregate minority Population	45.9%	42.2%	41.9%	42.9%	43.1%

* The data in this table are calculated by ACS using annual surveys conducted during 2009-2014 and are representative of average characteristics during this period.



Current Social and Economic Trends

Individuals & Families Below Poverty, 2014*



■ People Below Poverty ■ Families below poverty



Current Social and Economic Trends

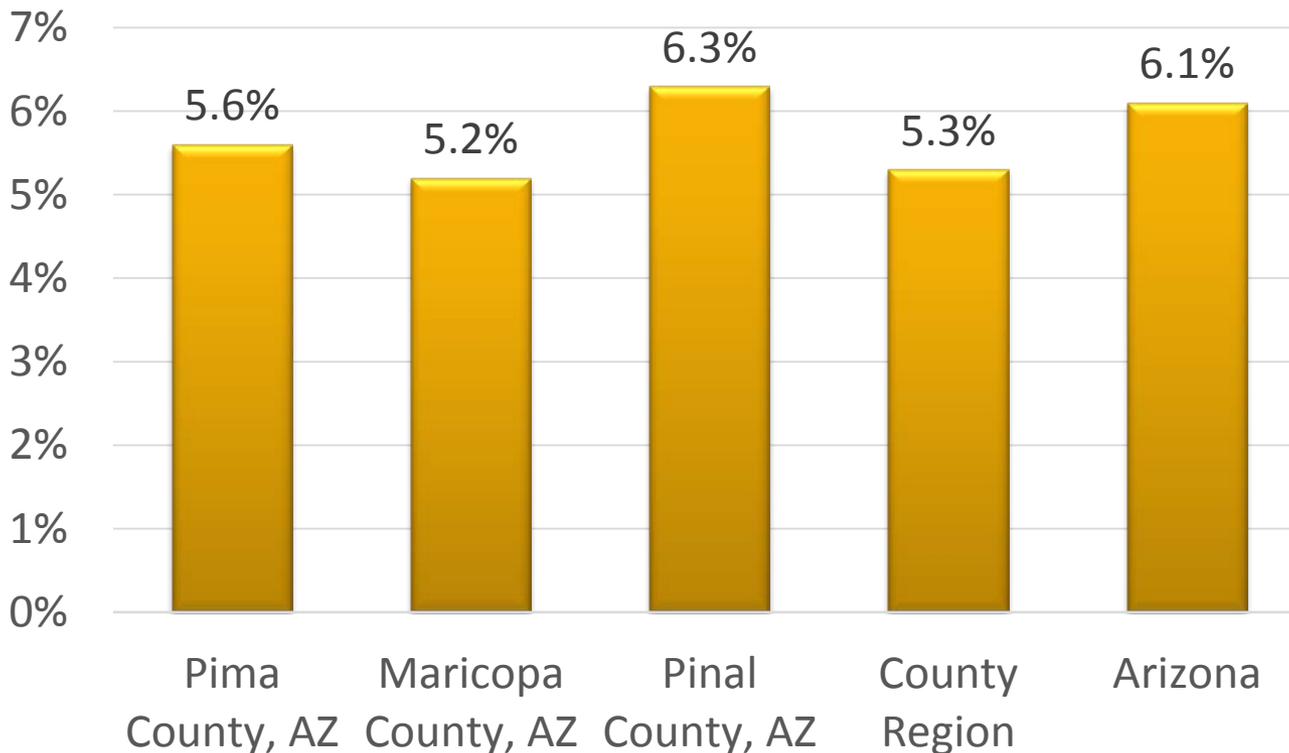
Household Income Distribution, 2013

	Pima County	Maricopa County	Pinal County	AZ
Per Capita Income (2014 \$s)	\$25,524	\$27,477	\$20,983	\$25,537
Median Household Income (2014 \$s)	\$46,233	\$53,689	\$50,248	\$49,928



Current Social and Economic Trends

Annual Unemployment Rate, 2015



Employment by Industry, 2001-2014 - County Region

	2001	2005	2010	2014	Change 2010-2014
Non-services related	16.6%	15.5%	11.2%	11.3%	10.2%
Farm	0.5%	0.4%	0.4%	0.4%	9.2%
Forestry, fishing, & ag. services	0.2%	0.1%	0.1%	0.1%	-1.4%
Mining (including fossil fuels)	0.3%	0.2%	0.4%	0.5%	34.6%
Construction	7.6%	8.5%	5.0%	5.2%	12.4%
Manufacturing	8.1%	6.3%	5.3%	5.1%	6.6%
Services related	71.2%	72.6%	76.4%	77.3%	10.1%
Utilities	0.4%	0.4%	0.4%	0.3%	-4.0%
Wholesale trade	4.0%	3.7%	3.7%	3.3%	-2.4%
Retail trade	11.2%	11.4%	10.9%	10.8%	7.6%
Transportation	2.9%	2.8%	2.8%	3.0%	15.7%
Information	2.4%	1.8%	1.5%	1.7%	19.4%
Finance and insurance	5.9%	5.9%	6.7%	6.9%	13.1%
Real estate and rental and leasing	5.0%	6.3%	7.0%	6.7%	3.5%
Professional and technical services	6.3%	6.3%	6.8%	6.7%	6.4%
Management	0.9%	0.9%	1.0%	1.1%	18.2%
Administrative and waste	9.1%	9.1%	8.5%	8.9%	14.6%
Educational services	1.1%	1.6%	2.2%	2.2%	9.6%
Health care and social assistance	8.0%	8.5%	10.7%	10.8%	10.3%
Arts, entertainment, and recreation	1.9%	1.9%	2.1%	2.2%	12.9%
Accommodation and food services	7.3%	7.1%	7.2%	7.4%	13.1%
Other services	4.9%	4.9%	5.0%	5.3%	14.6%
Government	12.2%	11.9%	12.4%	11.4%	-0.3%

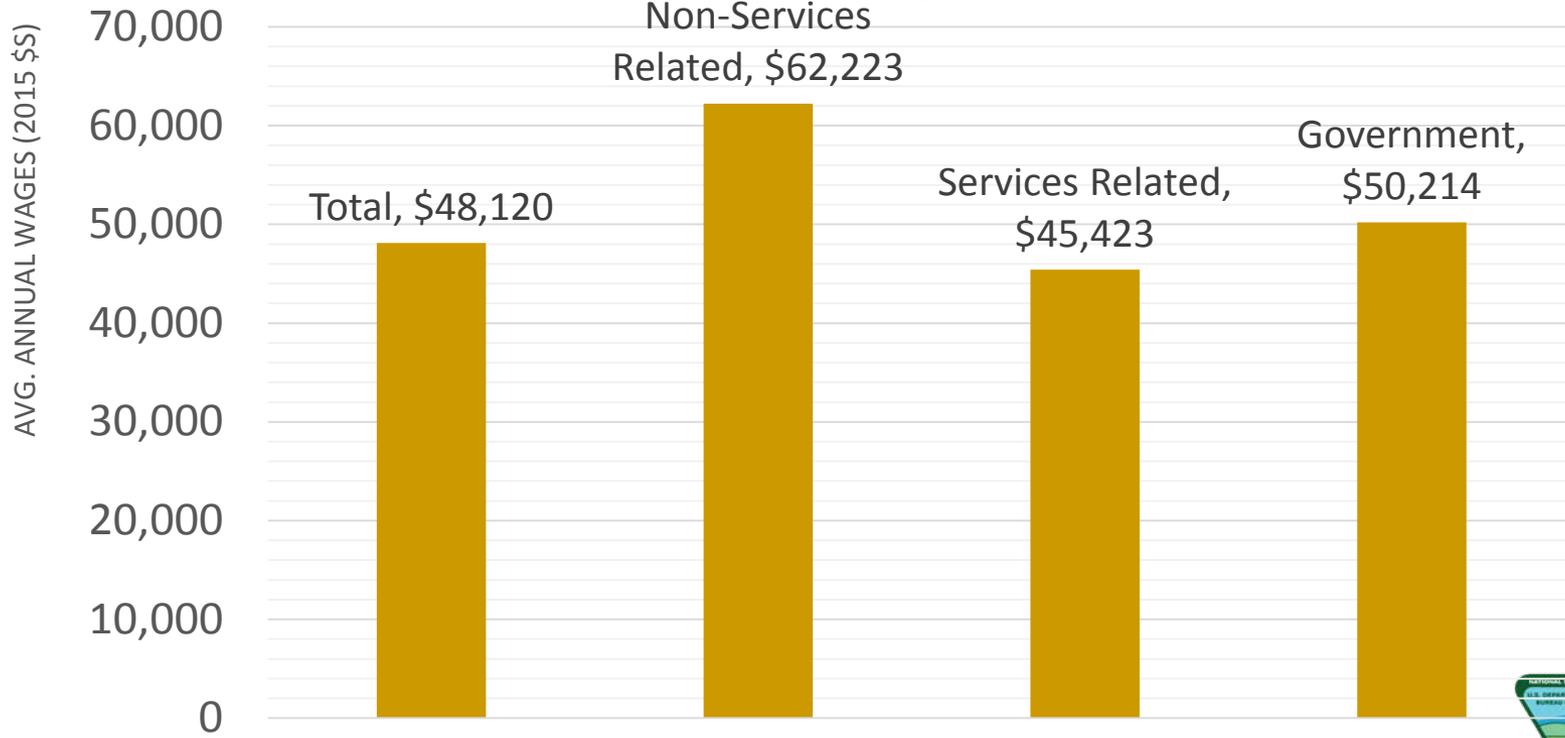


Earnings by Industry, 2001-2014 - County Region

	2001	2005	2010	2014	Change 2010-2014
Non-services related	22.2%	20.6%	15.3%	15.4%	9.3%
Farm	0.4%	0.4%	0.2%	0.4%	191.5%
Forestry, fishing, & ag. services	0.1%	0.1%	0.1%	0.1%	2.9%
Mining (including fossil fuels)	0.4%	0.3%	0.4%	0.5%	35.6%
Construction	9.3%	10.2%	5.8%	5.9%	10.5%
Manufacturing	12.1%	9.5%	8.9%	8.5%	3.9%
Services related	47.5%	53.3%	62.6%	69.7%	21.1%
Utilities	0.9%	0.9%	1.0%	0.9%	-0.9%
Wholesale trade	5.7%	5.4%	5.7%	5.3%	1.2%
Retail trade	8.0%	8.3%	7.7%	7.6%	6.5%
Transportation	3.2%	3.1%	3.1%	3.1%	10.3%
Information	3.0%	2.2%	2.0%	2.3%	27.6%
Finance and insurance	7.3%	7.5%	7.3%	8.4%	24.4%
Real estate and rental and leasing	3.0%	3.3%	2.2%	2.4%	22.0%
Professional and technical services	7.8%	7.6%	8.4%	8.4%	9.1%
Management	1.5%	1.3%	1.6%	2.0%	31.2%
Administrative and waste	6.1%	6.4%	6.1%	6.5%	15.5%
Educational services	0.8%	1.2%	1.8%	1.8%	5.3%
Health care and social assistance	8.3%	9.4%	12.7%	12.2%	4.7%
Arts, entertainment, and recreation	1.2%	1.1%	1.2%	1.3%	21.2%
Accommodation and food services	3.6%	3.6%	3.6%	3.8%	12.8%
Other services	3.3%	3.5%	3.6%	3.7%	13.4%
Government	14.2%	14.7%	16.7%	14.9%	-2.9%

Current Social and Economic Trends

Average Earning by Major Industry, County Region, 2014

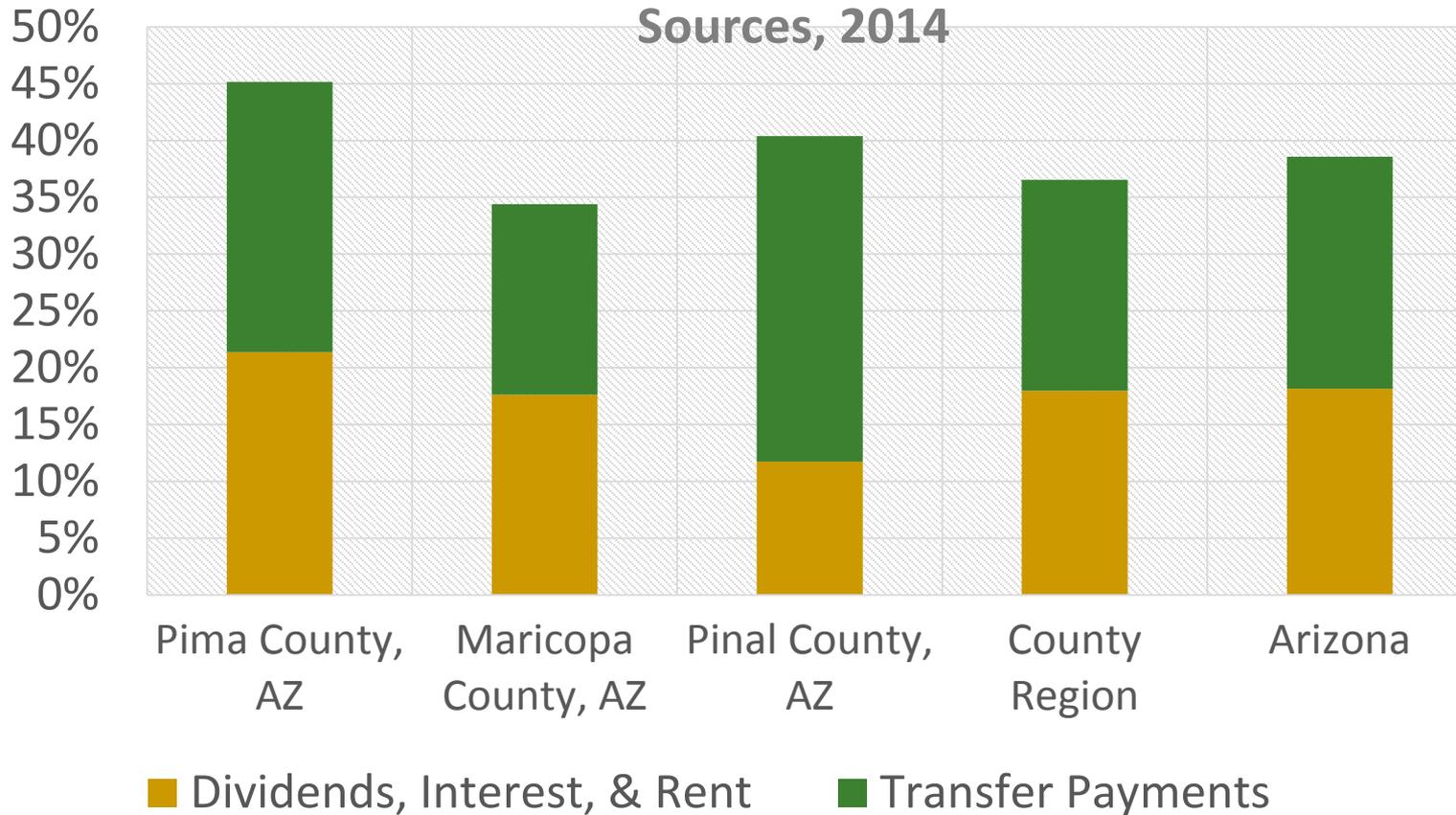


Employment in Travel & Tourism, 2014

	Pima County	Maricopa County	Pinal County	County Region	Arizona
Total Private Employment	303,841	1,527,799	46,208	1,877,848	2,241,077
Percent of Total					
Travel & Tourism Related	19.9%	17.3%	19.5%	17.7%	17.6%
<u>Retail Trade</u>	3.5%	2.9%	3.2%	3.0%	3.1%
Gasoline Stations	0.7%	0.6%	1.9%	0.7%	0.8%
Clothing & Accessory Stores	1.9%	1.5%	0.6%	1.6%	1.5%
Misc. Store Retailers	0.9%	0.8%	0.6%	0.8%	0.8%
<u>Passenger Transportation</u>	0.3%	0.8%	0.0%	0.7%	0.5%
Air Transportation	0.3%	0.8%	0.0%	0.7%	0.4%
Scenic & Sightseeing Transport	0.0%	0.0%	0.0%	0.0%	0.0%
<u>Arts, Entertainment, & Recreation</u>	2.0%	2.0%	2.7%	2.0%	1.9%
Performing Arts & Spectator Sports	0.4%	0.3%	0.9%	0.4%	0.3%
Museums, Parks, & Historic Sites	0.1%	0.1%	0.0%	0.1%	0.1%
Amusement, Gambling, & Rec.	1.5%	1.5%	1.8%	1.5%	1.5%
<u>Accommodation & Food</u>	14.2%	11.6%	13.6%	12.1%	12.2%
Accommodation	3.1%	1.7%	2.9%	2.0%	2.2%
Food Services & Drinking Places	11.1%	9.9%	10.7%	10.1%	10.0%
Non-Travel & Tourism	80.1%	82.7%	80.5%	82.3%	82.4%

Current Social and Economic Trends

Percent of Total Personal Income from Non-Labor Sources, 2014



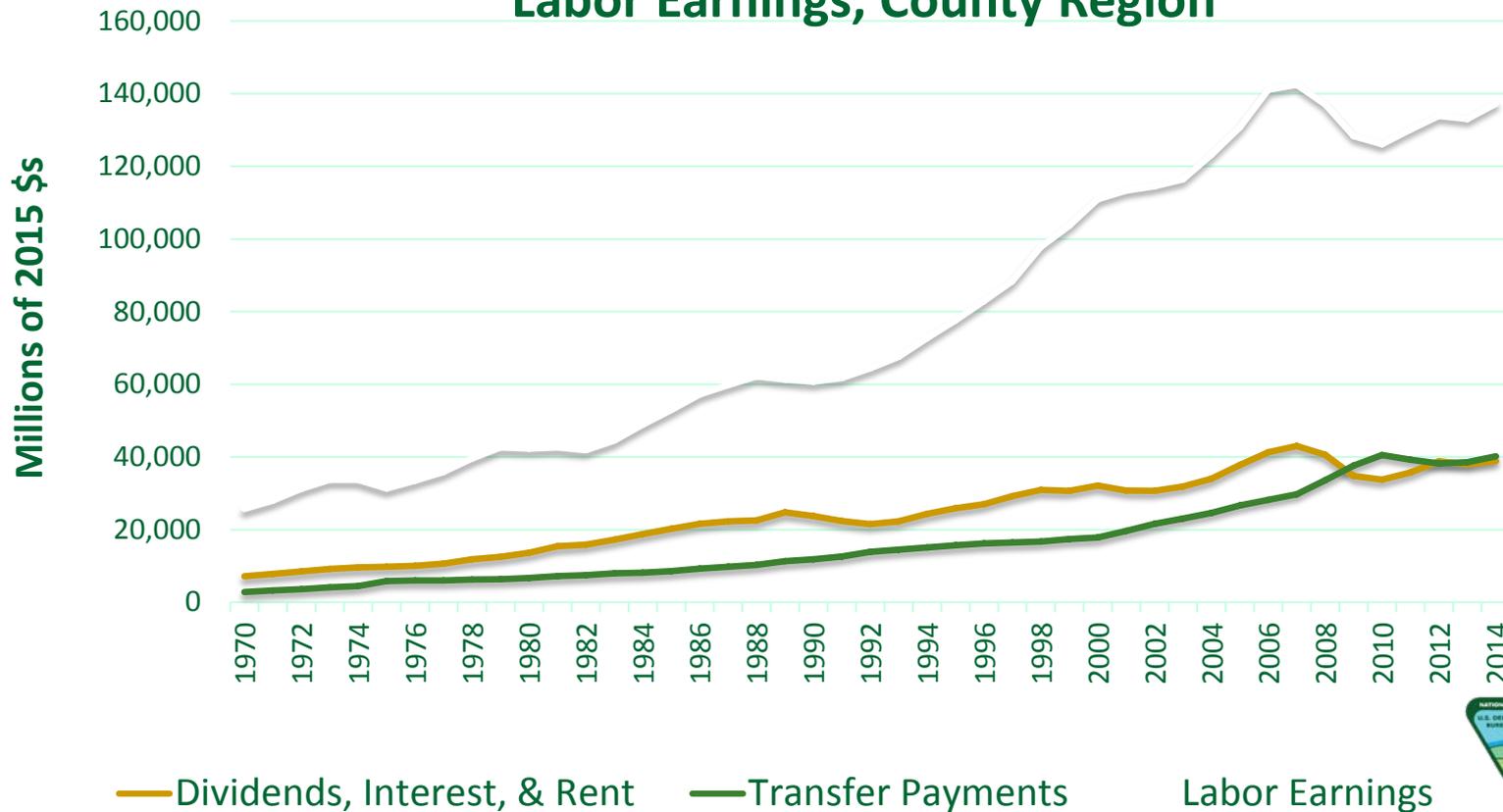
Components of Non-Labor Income, County Region, 2014 (Thousands of 2015 \$s)

	Pima County	Maricopa County	Pinal County	County Region	Arizona
Total Non-Labor Income	45.1%	34.4%	40.4%	36.5%	38.6%
Dividends, Interest, Rent	21.4%	17.6%	11.7%	18.0%	18.2%
Age-Related Transfer Payments	12.8%	9.5%	16.8%	10.4%	11.4%
Social Security	7.9%	5.8%	10.3%	6.4%	6.9%
Medicare	4.9%	3.7%	6.5%	4.1%	4.5%
Hardship-Related Payments	7.8%	4.6%	8.9%	5.3%	6.0%
Medicaid	5.6%	2.8%	6.5%	3.5%	4.0%
Income maintenance ("welfare")	2.1%	1.6%	2.2%	1.7%	1.9%
Unemployment ins. compensation	0.1%	0.1%	0.2%	0.1%	0.2%
Other Transfer Payments	3.2%	2.7%	2.9%	2.8%	3.0%
Veterans benefits	1.6%	0.9%	1.3%	1.0%	1.2%
Education and training assistance	0.6%	1.1%	0.5%	1.0%	0.9%
All other, incl. Workers' comp.	1.0%	0.8%	1.2%	0.8%	0.9%



Current Social and Economic Trends

Components of Non-Labor Income Compared to Labor Earnings, County Region



Current Social and Economic Trends

Housing Characteristics (2014)

	Pima County	Maricopa County	Pinal County	County Region	Arizona
Occupied	86.9%	85.9%	77.7%	85.5%	83.0%
Vacant	13.1%	14.1%	22.3%	14.5%	17.0%
For rent	3.3%	3.5%	2.3%	3.4%	3.1%
Rented, not occupied	0.6%	0.6%	0.4%	0.6%	0.5%
For sale only	1.5%	1.7%	3.0%	1.8%	1.8%
Sold, not occupied	0.6%	0.7%	0.8%	0.7%	0.6%
For seasonal, recreational, or occasional use	3.6%	4.8%	11.2%	5.0%	7.4%
For migrant workers	0.0%	0.0%	0.1%	0.0%	0.0%
Other vacant	3.5%	2.8%	4.6%	3.1%	3.4%

August 2016



Current BLM economic contributions

- BLM Management that may influence local economic activity:
 - Recreation and target shooting management
- Economic activity can include direct and indirect impacts



Current BLM economic contributions

- Recreational Use in SDNM
 - Averages 24,667 visitors per year (2012 RMP)
 - Popular uses include hiking, camping, hunting, sightseeing, recreational target shooting, horseback riding, and mountain biking.
 - 17 Commercial Special Recreation Permits issued from 2006-2012
 - issued for outfitter-guides, equestrian rides, jeep tours, and Boy Scout encampments.



Current BLM economic contributions-Recreation

■ Direct Impacts:

- fees collected for use of public lands (i.e. Special recreation permits)

■ Indirect Impacts:

- Employment and income for local outfitters
- Spending by visitors in area hotels, restaurants, gas stations, and stores
- Spending by at local businesses by those employed in the industry



Current BLM economic contributions-Recreation

■ Economic Impacts of Recreation in AZ

Tourism Economic Impacts for recreation Activities in Arizona (In 2011 million \$)

	Total	Trip related	Equipment	Other
Fishing	\$775	\$357	\$337	\$61
Hunting	\$338	\$149	\$134	\$55
Wildlife Watching	\$936	\$391	\$336	\$209
Source: USFWS 2011				



Current BLM economic contributions-Recreation

■ Economic Impacts of Recreation in AZ

National Forest Visitor Spending Profiles (\$ per party per trip, \$2005)

	Day user (non- local visitor)	Overnight (non-local visitor)	Day user (local)	Average for all visits
Lodging	\$0	\$64.85	\$0	\$61
Restaurant	\$13.60	\$58.91	\$6.12	\$22.32
Groceries	\$7.61	\$31.28	\$5.41	\$17.18
Gas and Oil	\$15.99	\$35.79	\$11.67	\$21.53
Other transp.	\$0.98	\$7.54	\$0.21	\$2.26
Activities	\$3.87	\$15.49	\$1.82	\$6.03
Admission/Fees	\$5.24	\$9.02	\$3.42	\$8.37
Other	\$4.31	\$22.37	\$4.20	\$10.40
Total	\$51.60	\$245.25	\$32.85	\$105.57

Source: USFS National Visitor Use Monitoring 2005

August 2016



Current BLM economic contributions-Recreation

In 2013, in Arizona had approximately 430,391 participants in target shooting and 15,698,374 total days activity (National Sporting Goods Association 2013)

Average Annual Spending per Shooter 2013

	\$2013
Equipment Spending	\$406
Trip Related Spending	\$87
Fuel	\$48
Food	\$24
Lodging	\$15
Total	\$493

August 2016



Current BLM economic contributions-Recreation

Arizona Economic Contributions from Target Shooting (2011)

	\$2011
Retail Sales	\$213,112,803
Total Multiplier Effect	\$366,329,097
Jobs	3,422
Saleries/Wages	\$127,372,769
GDP contributions	\$226,285,398
State and Local Taxes	\$29,658,560
Federal Taxes	\$29,460,654



Current BLM economic contributions

- Non market values of Recreation?
 - Economic contribution analysis provides insight into market value
 - Market may not capture full value of resources in the planning area
 - Non market/social values can include preservation of traditional ways of life/social setting, open space, etc.



Questions?

**Darrel Wayne Monger, BLM
Project Manager**

Lower Sonoran Field Office
21605 North 7th Ave
Phoenix, AZ 85027
623-580-5683
dmonger@blm.gov

Molly McCarter, EMPSi
3775 Iris Avenue, Suite 1A
Boulder, CO 80301
303-447-7160
molly.mccarter@empsi.com

