



New Mexico* Forest Biomass Supply Estimate by County[†]

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* Similar estimates are available for other western states, and a final project report cited often herein provides details on methods and assumptions that were used by U.S. Forest Service and University of Idaho researchers to develop these estimates (see Cook and O'Laughlin 2011, in **References Cited** section on page 6).

[†] Estimates for sustainable supplies of forest biomass (i.e., forest health or fire hazard reduction thinning and logging residues) for public and private lands at roadside prices of \$10 to \$40 per dry ton by \$5 increments, plus unused mill residues. This information was originally prepared in December 2009 by the University of Idaho's College of Natural Resources for the Western Governors' Association in fulfillment of Contract #20108-0840.

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Introduction

County-level forest biomass* estimates can help states develop wood bioenergy policies and work with local government officials to plan new wood bioenergy facilities. The U.S. Forest Service continues its efforts to improve the forest biomass supply estimates first made available in the “Billion-ton Supply” report (Perlack et al. 2005), and an update is expected in the near future. Meanwhile the forest biomass estimates herein (**Table 1**) fill an information gap and are likely accurate enough for planning purposes. These estimates could be used to supplement U.S. Forest Service CROP (Coordinated Resource Offering Protocol, see USFS 2011) project assessments of near-term supply plans from public lands where such information exists.

Table 1. Forest biomass supply for western states at roadside prices from \$10 to \$40 per dry ton.

<i>State</i>	<i>\$10</i>	<i>\$15</i>	<i>\$20</i>	<i>\$25</i>	<i>\$30</i>	<i>\$35</i>	<i>\$40</i>
AZ	75,829	145,672	170,010	222,846	230,036	231,423	231,601
CA	1,904,370	2,733,657	3,155,708	3,425,863	3,538,764	3,569,309	3,602,018
CO	100,120	123,366	197,806	228,948	274,847	300,161	312,104
ID	796,410	853,887	992,527	1,208,995	1,338,801	1,395,282	1,429,463
KS	8,720	8,720	8,720	8,720	8,720	8,720	8,720
MT	646,769	729,152	1,030,913	1,272,212	1,417,237	1,477,018	1,533,464
NE	4,971	4,971	4,971	4,971	4,971	4,971	4,971
NV	4,799	7,791	7,791	7,871	7,871	7,943	7,943
NM	78,314	90,450	143,710	213,109	279,713	292,336	301,716
ND	265	265	265	265	265	265	265
OR	1,339,728	1,466,478	1,541,285	1,585,410	1,611,490	1,618,589	1,648,377
SD	95,407	95,407	97,729	103,466	108,020	108,020	108,020
TX	3,022	3,022	3,022	3,022	3,022	3,022	3,022
UT	37,927	42,887	50,736	77,294	98,360	104,654	116,094
WA	1,152,105	1,274,302	1,360,558	1,467,007	1,517,302	1,550,350	1,606,562
WY	83,644	105,728	126,208	156,919	183,664	196,388	197,171
Total	6,332,399	7,685,757	8,891,960	9,986,918	10,623,082	10,868,450	11,111,511

As illustrated in **Table 1**, west-wide forest biomass supply increases from about 6.3 million dry tons per year at a roadside price of \$10 per dry ton to 11.1 million dry tons at a price of \$40 per ton. Five states contribute most of the available forest biomass: California, Oregon, Washington, Montana, and Idaho. The tables in this report, starting on page 7, provide county-level estimates of forest biomass supply for one of the states in **Table 1**.

* Forest biomass is a category of woody biomass that includes three components: [1] forest thinning (removal of small-diameter trees or brush to reduce hazardous fuels and/or improve forest health conditions), [2] forest residues (logging slash), and [3] mill residues.

Limitations

Before using the county-level tables that begin on page 7, one should know what they do not include. These results are based on U.S. Forest Service assumptions and models that in addition to “sustainability screens” excluded lodgepole pine and spruce-fir forest types from fire hazard thinning because stand-replacing fire is considered the norm in these forest types. Furthermore, moist forests west of the Cascade Range in Oregon and Washington received pre-commercial thinning rather than fire hazard reduction thinning. Further explanation is provided in the **Methods** section below, and in our final project report document (Cook and O’Laughlin 2011).

Background

For several years researchers have been developing and refining estimates of forest biomass supply in the western United States. In 2006, the Biomass Task Force for the Western Governors’ Association (WGA) Clean and Diversified Energy project refined a national estimate of biomass supply from the U.S. Departments of Energy and Agriculture “Billion-ton Supply” report (Perlack et al. 2005) to obtain a west-wide estimate (WGA 2006). In 2008, the 2006 west-wide estimate was refined further to provide state-level supply estimates for western states (WGA 2008). These estimates were compiled from county-level estimates that were not published.

Objective

The objective of this project was to further refine the state-level forest biomass supply estimates for western states (WGA 2008) to county-level estimates, similar to published estimates for Idaho (see O’Laughlin 2009), and make county-level data available to interested parties. The county-level estimates of forest biomass supply are in easily-read tabular format and are reported for public and private lands at roadside prices of \$10 to \$40 per dry ton in \$5 increments. This report is one of several made available by the Western Governors’ Association for individual western states.

Methods

Although WGA (2008) estimates of biomass supply were reported at the state level, the model used to derive the estimates was based on county-level data provided from a U.S. Forest Service (USFS) Forest Inventory and Analysis (FIA) project. We obtained the unpublished, county-level data and spreadsheet model from Dr. Ken Skog of the U.S. Forest Service (Skog et al. 2007). Our county-level forest biomass estimates are derived from the same data using the same methods, models, and results from which the state-level estimates reported by the WGA (2008) were developed. We describe those methods briefly in the following paragraphs. Due to numerous complexities and assumptions of the modeling process used to create both the 2008 and 2006 WGA forest biomass supply estimates, the appropriate sections of each of those reports were appended to the final project report so users of this information would know exactly what they had (see Cook and O’Laughlin 2011, Appendices A and B).

The most important of these assumptions is that biomass removal is a byproduct, or secondary output, of other forest management objectives including forest health treatment, fire hazard reduction work, or the treatment of fuels after logging (see Cook and O’Laughlin 2011, Appendix A, p. 9). In the earlier WGA (2006) study, it was assumed that 50% off the removals would be used for higher-valued products and 50% available for use as fuel (see Cook and O’Laughlin 2011, Appendix B, pp. 16-17).

The later WGA (2008) study allocated a higher proportion of removals to higher-valued products (30 million dry tons ÷ 43 million dry tons = 70%; see Cook and O’Laughlin 2011, Appendix A, p. 10). It should be noted that previous estimation efforts by the WGA (2006) established “sustainability screens” that imposed constraints on forest management activities in order to protect soil productivity, wildlife habitat, biodiversity maintenance, and water quality. These screens reduced the “Billion-ton Supply” estimates for western states by about one-third. In addition, lodgepole pine and spruce-fir forest types were excluded from fire hazard thinning because stand-replacing fire is considered to be the norm in such forest types, and moist forests west of the Cascade Range in Oregon and Washington pre-commercially thinned instead of fire hazard reduction treatment (see Cook and O’Laughlin 2011, Appendix A, pp. 10-13).

Skog et al. (2007) used the USFS’s Forest Inventory and Analysis (FIA) and Timber Products Output (TPO) databases to model forest biomass supply for western states.* In general, forest biomass in the model comes from four sources: [1] thinning of timberland with high fire hazard, [2] logging residue left behind after anticipated logging operations for conventional products, [3] general thinning on private woodlands, and [4] unused mill residue.†

Skog et al. (2007) modeled fire hazard thinnings using two tools developed by U.S. Forest Service researchers. First they used the Fuel Treatment Evaluator 3.0 (Skog and Miles 2006), applying several screens and treatments (see Cook and O’Laughlin 2011, Appendix A). Then they used the Fuel Reduction Cost Simulator (Fight et al. 2006) to estimate forest hazard thinning biomass quantities that would be available at various prices. Fire hazard thinning treatments were not applied to national forest timberlands in counties in western Oregon and Washington; instead a pre-commercial thinning treatment was applied.

We used the same supply assumptions that Skog et al. (2007) used in their Base Case estimates (WGA 2008; see Cook and O’Laughlin 2011, Appendix A). Fire hazard thinning

* Western states include: Arizona, California, Colorado, Idaho, Kansas, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Texas, Utah, Washington, and Wyoming.

† Skog et al. (2007) also included biomass from treatment of pinyon-juniper woodlands. However, it is excluded in our analysis because the price at which it enters the model (\$60 per dry ton) is above our range of analysis (\$10 to \$40 per dry ton).

volumes are harvested over a period of 22 years, while private timberland thinning volumes for various purposes are harvested over a period of 30 years. Stumpage prices for fire hazard thinnings and logging residues are \$0 and \$2 per dry ton on public and private lands, respectively, while the cost of chipping biomass is \$8 per dry ton for both public and private lands. There is no cost (\$0) for unused mill residues.

Difference in modeling method for logging residue. One assumption used in estimating the amount of logging residue in the model is that as thinning to reduce fire hazard increases and general thinning on private land increases (including harvesting biomass for fuels) then the extent of traditional timber harvesting operations will decrease along with associated logging residue. Both the WGA 2008 estimates and our estimates account for this reduction in volume by decreasing logging residue used for fuels by one-quarter unit for each unit increase in biomass for fuels coming from new thinnings (WGA 2008, p. 16). However, the method by which we decrease logging residue is different than the way Skog et al. (2007) did, and our method results in slightly different estimates.

The model used by Skog et al. (2007) model divides biomass from thinnings and logging residue into two land ownership categories: public and private. They computed the reduction in logging residue by subtracting one-quarter unit for each new unit of thinning regardless of land ownership. We compute the reduction for public and private land ownerships separately. Despite the differences in computation, our results aggregated at the state level did not differ by more than 4% from the results attained by Skog et al. (2007).

Dividing “public” categories into federal and state categories. Both fire hazard thinning volumes and logging residue volumes are computed and reported by public and private land categories based on model results by Skog et al. (2007). It was our desire to further divide the public category into federal and state categories. We hypothesize that there are differences in the availability of forest biomass based on land ownership. Federal lands contain a greater proportion of public timberlands and timber volumes in western states than state lands do (Smith et al. 2004). However, federal timberlands tend to be managed under objectives and laws that are more restrictive of biomass removal (e.g., timber harvesting) compared to state trust timberlands that generally are managed for revenue production (Cook and O’Laughlin 2000).

Current forest conditions also may make a difference in biomass availability. Because state trust timberlands tend to be actively managed for revenue production, we hypothesize that there is less need to conduct fire hazard thinning operations on state lands compared to federal lands, which tend to be less actively managed (Koontz 1997). An informal survey of state forest land managers generally confirmed this hypothesis. Both of the above hypotheses led us to attempt to divide the “public” estimates into federal and state categories. Our attempts were unsuccessful for a variety of reasons (see Cook and O’Laughlin 2009, Appendix C); therefore, we report the results herein using only “public” and “private” categories.

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Forest biomass supply at roadside price of \$10 per dry ton

County	Fire hazard thinning		Private land thinning	Logging residue		Unused mill residues	TOTAL
	Public	Private		Public	Private		
New Mexico							
Bernalillo	808	0	0	0	0	0	808
Catron	0	0	0	1,003	374	0	1,377
Chaves	0	0	0	0	0	0	0
Cibola	0	0	0	2,480	2,019	0	4,499
Colfax	0	966	529	286	9,290	0	11,071
Curry	0	0	0	0	0	0	0
DeBaca	0	0	0	0	0	0	0
Dona Ana	0	0	0	0	0	0	0
Eddy	0	0	0	0	0	0	0
Grant	0	0	0	0	0	0	0
Guadalupe	0	0	0	0	0	0	0
Harding	0	0	0	0	0	0	0
Hidalgo	0	0	0	0	0	0	0
Lea	0	0	0	0	0	0	0
Lincoln	0	0	0	0	101	0	101
Los Alamos	1,856	0	0	0	0	0	1,856
Luna	0	0	0	0	0	0	0
McKinley	0	0	1,932	0	580	0	2,512
Mora	0	0	3,522	211	364	0	4,097
Otero	0	0	0	755	18,208	4,266	23,229
Quay	0	0	0	0	0	0	0
Rio Arriba	0	46	1,582	8,405	7,052	337	17,422
Roosevelt	0	0	0	0	0	0	0
Sandoval	0	0	0	1,002	2,263	0	3,265
San Juan	0	0	1,522	0	129	0	1,651
San Miguel	0	472	871	1,050	911	90	3,394
Santa Fe	0	0	0	0	0	205	205
Sierra	0	0	0	0	0	0	0
Socorro	0	0	1,003	820	0	0	1,823
Taos	0	0	0	404	448	4	856
Torrance	0	0	0	139	0	0	139
Union	0	0	0	0	0	0	0
Valencia	0	0	0	0	11	0	11
TOTAL	2,664	1,484	10,961	16,554	41,748	4,902	78,314

Forest biomass supply at roadside price of **\$15** per dry ton

County	Fire hazard thinning		Private land thinning	Logging residue		Unused mill residues	TOTAL
	Public	Private		Public	Private		
New Mexico							
Bernalillo	808	0	0	0	0	0	808
Catron	982	0	0	757	374	0	2,113
Chaves	0	0	0	0	0	0	0
Cibola	103	394	589	2,455	1,773	0	5,314
Colfax	0	966	3,283	286	8,601	0	13,136
Curry	0	0	0	0	0	0	0
DeBaca	0	0	0	0	0	0	0
Dona Ana	0	0	0	0	0	0	0
Eddy	0	0	0	0	0	0	0
Grant	0	0	0	0	0	0	0
Guadalupe	0	0	0	0	0	0	0
Harding	0	0	0	0	0	0	0
Hidalgo	0	0	0	0	0	0	0
Lea	0	0	0	0	0	0	0
Lincoln	196	0	0	0	101	0	297
Los Alamos	1,856	0	0	0	0	0	1,856
Luna	0	0	0	0	0	0	0
McKinley	0	0	1,932	0	580	0	2,512
Mora	0	378	3,522	211	270	0	4,381
Otero	1,545	0	3,180	368	17,413	4,266	26,772
Quay	0	0	0	0	0	0	0
Rio Arriba	0	46	4,665	8,405	6,282	337	19,734
Roosevelt	0	0	0	0	0	0	0
Sandoval	0	0	0	1,002	2,263	0	3,265
San Juan	0	617	1,522	0	0	0	2,140
San Miguel	617	730	871	896	846	90	4,050
Santa Fe	0	0	0	0	0	205	205
Sierra	0	0	0	0	0	0	0
Socorro	0	0	1,003	820	0	0	1,823
Taos	1,384	0	0	58	448	4	1,894
Torrance	0	0	0	139	0	0	139
Union	0	0	0	0	0	0	0
Valencia	0	0	0	0	11	0	11
TOTAL	7,493	3,132	20,567	15,396	38,961	4,902	90,450

Forest biomass supply at roadside price of **\$20** per dry ton

County	Fire hazard thinning		Private land thinning	Logging residue		Unused mill residues	TOTAL
	Public	Private		Public	Private		
New Mexico							
Bernalillo	808	0	0	0	0	0	808
Catron	982	0	1,815	757	0	0	3,554
Chaves	0	0	0	0	0	0	0
Cibola	103	394	589	2,455	1,773	0	5,314
Colfax	0	20,325	3,283	286	3,762	0	27,655
Curry	0	0	0	0	0	0	0
DeBaca	0	0	0	0	0	0	0
Dona Ana	0	0	0	0	0	0	0
Eddy	0	0	0	0	0	0	0
Grant	0	0	0	0	0	0	0
Guadalupe	0	0	0	0	0	0	0
Harding	0	0	0	0	0	0	0
Hidalgo	0	0	0	0	0	0	0
Lea	0	0	0	0	0	0	0
Lincoln	196	0	0	0	101	0	297
Los Alamos	1,856	0	0	0	0	0	1,856
Luna	0	0	0	0	0	0	0
McKinley	0	0	1,932	0	580	0	2,512
Mora	1,072	378	3,522	0	270	0	5,242
Otero	1,545	127	3,180	368	17,381	4,266	26,868
Quay	0	0	0	0	0	0	0
Rio Arriba	27,051	46	4,665	1,642	6,282	337	40,022
Roosevelt	0	0	0	0	0	0	0
Sandoval	10,528	505	0	0	2,137	0	13,170
San Juan	0	617	1,522	0	0	0	2,140
San Miguel	617	730	871	896	846	90	4,050
Santa Fe	0	0	0	0	0	205	205
Sierra	0	0	0	0	0	0	0
Socorro	0	0	1,003	820	0	0	1,823
Taos	1,384	97	0	58	424	4	1,967
Torrance	6,216	0	0	0	0	0	6,216
Union	0	0	0	0	0	0	0
Valencia	0	0	0	0	11	0	11
TOTAL	52,359	23,220	22,382	7,282	33,565	4,902	143,710

Forest biomass supply at roadside price of **\$25** per dry ton

County	Fire hazard thinning			Logging residue		Unused mill residues	TOTAL
	Public	Private	Private land thinning	Public	Private		
New Mexico							
Bernalillo	808	0	0	0	0	0	808
Catron	982	0	1,815	757	0	0	3,554
Chaves	0	0	0	0	0	0	0
Cibola	103	3,209	589	2,455	1,069	0	7,426
Colfax	18,646	22,743	3,283	0	3,157	0	47,828
Curry	0	0	0	0	0	0	0
DeBaca	0	0	0	0	0	0	0
Dona Ana	0	0	0	0	0	0	0
Eddy	0	0	0	0	0	0	0
Grant	0	0	0	0	0	0	0
Guadalupe	0	0	0	0	0	0	0
Harding	0	0	0	0	0	0	0
Hidalgo	0	0	0	0	0	0	0
Lea	0	0	0	0	0	0	0
Lincoln	196	0	0	0	101	0	297
Los Alamos	1,856	0	0	0	0	0	1,856
Luna	0	0	0	0	0	0	0
McKinley	0	719	1,932	0	400	0	3,051
Mora	1,072	767	3,522	0	172	0	5,534
Otero	21,097	2,668	3,180	0	16,746	4,266	47,956
Quay	0	0	0	0	0	0	0
Rio Arriba	27,051	46	4,665	1,642	6,282	337	40,022
Roosevelt	0	0	0	0	0	0	0
Sandoval	14,816	505	0	0	2,137	0	17,458
San Juan	0	617	1,522	0	0	0	2,140
San Miguel	617	730	871	896	846	90	4,050
Santa Fe	0	0	0	0	0	205	205
Sierra	0	0	0	0	0	0	0
Socorro	944	0	1,003	584	0	0	2,531
Taos	18,004	1,790	0	0	0	4	19,799
Torrance	8,583	0	0	0	0	0	8,583
Union	0	0	0	0	0	0	0
Valencia	0	0	0	0	11	0	11
TOTAL	114,776	33,795	22,382	6,334	30,921	4,902	213,109

Forest biomass supply at roadside price of **\$30** per dry ton

County	Fire hazard thinning			Logging residue		Unused mill residues	TOTAL
	Public	Private	Private land thinning	Public	Private		
New Mexico							
Bernalillo	808	0	0	0	0	0	808
Catron	13,147	0	1,815	0	0	0	14,962
Chaves	0	0	0	0	0	0	0
Cibola	1,158	3,209	589	2,191	1,069	0	8,217
Colfax	27,806	32,795	3,283	0	644	0	64,528
Curry	0	0	0	0	0	0	0
DeBaca	0	0	0	0	0	0	0
Dona Ana	0	0	0	0	0	0	0
Eddy	0	0	0	0	0	0	0
Grant	0	0	0	0	0	0	0
Guadalupe	0	0	0	0	0	0	0
Harding	0	0	0	0	0	0	0
Hidalgo	0	0	0	0	0	0	0
Lea	0	0	0	0	0	0	0
Lincoln	3,850	0	0	0	101	0	3,950
Los Alamos	2,584	0	0	0	0	0	2,584
Luna	0	0	0	0	0	0	0
McKinley	445	719	1,932	0	400	0	3,496
Mora	2,633	767	3,522	0	172	0	7,095
Otero	21,097	2,773	3,180	0	16,720	4,266	48,036
Quay	0	0	0	0	0	0	0
Rio Arriba	27,051	1,954	4,665	1,642	5,805	337	41,453
Roosevelt	0	0	0	0	0	0	0
Sandoval	15,869	3,694	0	0	1,340	0	20,903
San Juan	0	3,718	1,522	0	0	0	5,240
San Miguel	12,429	6,918	871	0	0	90	20,308
Santa Fe	2,398	0	0	0	0	205	2,603
Sierra	0	0	0	0	0	0	0
Socorro	944	0	1,003	584	0	0	2,531
Taos	22,611	1,790	0	0	0	4	24,405
Torrance	8,583	0	0	0	0	0	8,583
Union	0	0	0	0	0	0	0
Valencia	0	0	0	0	11	0	11
TOTAL	163,414	58,337	22,382	4,417	26,261	4,902	279,713

Forest biomass supply at roadside price of **\$35** per dry ton

County	Fire hazard thinning			Logging residue		Unused mill residues	TOTAL
	Public	Private	Private land thinning	Public	Private		
New Mexico							
Bernalillo	808	0	0	0	0	0	808
Catron	13,147	0	1,815	0	0	0	14,962
Chaves	0	0	0	0	0	0	0
Cibola	1,158	3,209	589	2,191	1,069	0	8,217
Colfax	27,806	32,795	3,283	0	644	0	64,528
Curry	0	0	0	0	0	0	0
DeBaca	0	0	0	0	0	0	0
Dona Ana	0	0	0	0	0	0	0
Eddy	0	0	0	0	0	0	0
Grant	0	0	0	0	0	0	0
Guadalupe	0	0	0	0	0	0	0
Harding	0	0	0	0	0	0	0
Hidalgo	0	0	0	0	0	0	0
Lea	0	0	0	0	0	0	0
Lincoln	3,850	0	0	0	101	0	3,950
Los Alamos	2,584	0	0	0	0	0	2,584
Luna	0	0	0	0	0	0	0
McKinley	1,051	719	1,932	0	400	0	4,102
Mora	2,633	767	3,522	0	172	0	7,095
Otero	21,097	2,773	3,180	0	16,720	4,266	48,036
Quay	0	0	0	0	0	0	0
Rio Arriba	37,632	1,954	4,665	0	5,805	337	50,392
Roosevelt	0	0	0	0	0	0	0
Sandoval	15,869	4,751	0	0	1,075	0	21,696
San Juan	0	3,718	1,522	0	0	0	5,240
San Miguel	12,429	6,918	871	0	0	90	20,308
Santa Fe	2,398	0	0	0	0	205	2,603
Sierra	0	0	0	0	0	0	0
Socorro	944	0	1,003	584	0	0	2,531
Taos	22,611	1,960	0	0	0	4	24,575
Torrance	10,699	0	0	0	0	0	10,699
Union	0	0	0	0	0	0	0
Valencia	0	0	0	0	11	0	11
TOTAL	176,716	59,565	22,382	2,775	25,997	4,902	292,336

Forest biomass supply at roadside price of **\$40** per dry ton

County	Fire hazard thinning			Logging residue		Unused mill residues	TOTAL
	Public	Private	Private land thinning	Public	Private		
New Mexico							
Bernalillo	808	0	0	0	0	0	808
Catron	13,147	0	1,815	0	0	0	14,962
Chaves	0	0	0	0	0	0	0
Cibola	1,158	3,209	589	2,191	1,069	0	8,217
Colfax	27,806	32,795	3,283	0	644	0	64,528
Curry	0	0	0	0	0	0	0
DeBaca	0	0	0	0	0	0	0
Dona Ana	0	0	0	0	0	0	0
Eddy	0	0	0	0	0	0	0
Grant	0	0	0	0	0	0	0
Guadalupe	0	0	0	0	0	0	0
Harding	0	0	0	0	0	0	0
Hidalgo	0	0	0	0	0	0	0
Lea	0	0	0	0	0	0	0
Lincoln	3,850	0	0	0	101	0	3,950
Los Alamos	2,584	0	0	0	0	0	2,584
Luna	0	0	0	0	0	0	0
McKinley	1,051	1,152	1,932	0	292	0	4,427
Mora	2,633	767	3,522	0	172	0	7,095
Otero	21,097	2,773	3,180	0	16,720	4,266	48,036
Quay	0	0	0	0	0	0	0
Rio Arriba	38,218	1,954	5,439	0	5,611	337	51,558
Roosevelt	0	0	0	0	0	0	0
Sandoval	15,869	4,751	0	0	1,075	0	21,696
San Juan	0	3,718	1,522	0	0	0	5,240
San Miguel	12,429	6,918	871	0	0	90	20,308
Santa Fe	2,398	0	0	0	0	205	2,603
Sierra	0	0	0	0	0	0	0
Socorro	2,246	0	1,003	259	0	0	3,508
Taos	27,339	1,960	0	0	0	4	29,303
Torrance	10,699	0	2,184	0	0	0	12,882
Union	0	0	0	0	0	0	0
Valencia	0	0	0	0	11	0	11
TOTAL	183,332	59,998	25,340	2,449	25,695	4,902	301,716