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June 14, 2018

Marlene H. Dortch, Secretary  
Federal Communications Commission  
445 12th Street, S.W., Room TW-B204  
Washington, D.C. 20554

Re: WT Docket No. 10-90  
WT Docket No. 10-208

Dear Ms. Dortch:

On June 12, 2018, undersigned counsel and Kevin Frawley, the chairman of the board of Smith Bagley, Inc. ("SBI"), met with Michael Janson, Matthew Duchesne, Margaret Wiener, Martha Stancill, Gary Michaels, Janet Sievert, Sayuri Rajapakse, Valerie Barrish, and Nathan Egan. In separate meetings, we met with Travis Litman, Jay Schwarz, Rachael Bender, and Jamie Susskind.

In each meeting, we discussed the upcoming Tribal Mobility Fund Phase II auction, in particular the need to weight the auction to minimize the possibility that the most remote and difficult to serve Tribal lands are not foreclosed at the auction. SBI presented demographic data from the U.S. Census and the Commission's Connect2Health initiative demonstrating that the Tribal lands where SBI serves, as well as a number of others in the Lower 48, remain at a severe disadvantage compared to many other Tribal lands, and the rest of the nation.

SBI introduced several alternatives for consideration that would weight an auction to provide an advantage to bidders proposing to serve Tribal areas having significant deficits in telephone penetration, mobile broadband penetration, or population density. Finally, SBI noted that it would be a significant setback for the Commission's ongoing efforts to promote telephone and broadband penetration on Tribal lands if the Tribal Mobility Fund II auction disbursed all of its funds to areas with better demographics and lower costs to serve, to the exclusion of the nation's most challenging Tribal lands.

We have enclosed copies of the materials shared at the meetings.

Should you have any questions, please contact undersigned counsel directly.

Sincerely,

A handwritten signature in black ink, appearing to read "David A. LaFuria".

David A. LaFuria  
Counsel for Smith Bagley, Inc.

Enclosures

cc: Michael Janson  
Matthew Duchesne  
Margaret Wiener  
Martha Stancill  
Gary Michaels  
Janet Sievert  
Sayuri Rajapakse  
Valerie Barrish  
Nathan Egan  
Travis Litman  
Jay Schwarz  
Rachael Bender  
Jamie Susskind  
Kevin Frawley



# CRITICAL NEED COUNTIES IN BROADBAND & HEALTH — RURAL 2017<sup>†</sup>

A roadmap for private investment and coordinated public support.

| State    | County              | Rural Broadband Access<br>(25/3 mbps) |   | Internet Adoption<br>(≥ 200 kbps) | Diabetes | Obesity | Preventable<br>Hospitalizations | Median<br>Income | County<br>Pop. | More Data*           |
|----------|---------------------|---------------------------------------|---|-----------------------------------|----------|---------|---------------------------------|------------------|----------------|----------------------|
| National |                     | 62.2%                                 |   | 60-80%                            | 9.9%     | 27.4%   | 48.7/1000                       | \$55,775         |                |                      |
| Alabama  | Barbour County      | 33                                    | ↑ | 40-60%                            | 18       | 44      | 74                              | \$31,433         | 26,160         | PP, 65+, V           |
| Alabama  | Bibb County         | 2                                     | ↔ | 40-60%                            | 15       | 40      | 77                              | \$40,767         | 23,162         | 65+                  |
| Alabama  | Chilton County      | 27                                    | ↑ | 40-60%                            | 13       | 36      | 52                              | \$42,767         | 44,749         | PCPS, 65+, V         |
| Alabama  | Clarke County       | 16                                    | ↓ | 40-60%                            | 16       | 38      | 68                              | \$37,317         | 23,996         | PP, 65+, V           |
| Alabama  | Escambia County     | 6                                     | ↓ | 40-60%                            | 18       | 38      | 105                             | \$36,840         | 36,395         | PP, 65+, V, AI       |
| Alabama  | Franklin County     | 49                                    | ↓ | 40-60%                            | 14       | 33      | 95                              | \$38,535         | 31,381         | 65+, AI              |
| Alabama  | Geneva County       | 46                                    | ↑ | 40-60%                            | 14       | 34      | 69                              | \$36,289         | 25,303         | PCPS, 65+, V         |
| Alabama  | Henry County        | 47                                    | ↑ | 40-60%                            | 19       | 36      | 43                              | \$42,501         | 16,543         | 65+, V               |
| Alabama  | Lamar County        | 34                                    | ↑ | 40-60%                            | 15       | 34      | 77                              | \$36,520         | 13,021         | PCPS, 65+, V         |
| Alabama  | Marion County       | 20                                    | ↑ | 40-60%                            | 19       | 36      | 89                              | \$34,977         | 28,868         | PCPS, 65+, V         |
| Alabama  | Monroe County       | 0                                     | ↓ | 40-60%                            | 18       | 35      | 75                              | \$35,163         | 21,228         | PCPS, PP, 65+, V, AI |
| Alabama  | Pickens County      | 31                                    | ↑ | 40-60%                            | 16       | 36      | 80                              | \$33,160         | 18,336         | PP, 65+, V           |
| Alabama  | Randolph County     | 27                                    | ↑ | 40-60%                            | 15       | 31      | 56                              | \$37,333         | 21,935         | 65+, V               |
| Alabama  | Washington County   | 0                                     | ↓ | 40-60%                            | 18       | 40      | 76                              | \$42,658         | 16,514         | PCPS, 65+, V, AI     |
| Alabama  | Winston County      | 19                                    | ↑ | 40-60%                            | 13       | 30      | 157                             | \$36,497         | 23,516         | 65+, V               |
| Arizona  | Apache County       | 0                                     | ↔ | 40-60%                            | 14       | 35      | 84                              | \$31,072         | 66,213         | PP, AI               |
| Arkansas | Carroll County      | 46                                    | ↓ | 40-60%                            | 13       | 36      | 52                              | \$37,587         | 27,843         | 65+, V, AI           |
| Arkansas | Franklin County     | 15                                    | ↑ | 40-60%                            | 14       | 37      | 64                              | \$41,933         | 17,658         | 65+, V, AI           |
| Arkansas | Hot Spring County   | 33                                    | ↓ | 40-60%                            | 12       | 35      | 87                              | \$39,851         | 33,472         | PCPS, 65+, V         |
| Arkansas | Independence County | 49                                    | ↑ | 40-60%                            | 13       | 37      | 88                              | \$38,241         | 37,161         | 65+, AI              |
| Arkansas | Johnson County      | 42                                    | ↑ | 40-60%                            | 13       | 36      | 69                              | \$35,877         | 26,536         | 65+, V               |
| Arkansas | Logan County        | 11                                    | ↑ | 40-60%                            | 14       | 38      | 74                              | \$37,924         | 21,458         | PCPS, 65+            |
| Arkansas | Madison County      | 16                                    | ↓ | 40-60%                            | 12       | 34      | 54                              | \$41,007         | 16,665         | PCPS, 65+, V, AI     |
| Arkansas | Polk County         | 0                                     | ↓ | 40-60%                            | 14       | 37      | 66                              | \$34,723         | 19,792         | 65+, V               |
| Arkansas | Union County        | 50                                    | ↑ | 40-60%                            | 14       | 39      | 46                              | \$42,195         | 39,225         | 65+, V               |
| Arkansas | Van Buren County    | 28                                    | ↓ | 40-60%                            | 13       | 36      | 57                              | \$38,306         | 17,388         | PCPS, 65+, V         |
| Florida  | Jackson County      | 42                                    | ↑ | 60-80%                            | 12       | 35      | 76                              | \$36,751         | 50,077         | 65+, v               |
| Florida  | Jefferson County    | 26                                    | ↑ | 40-60%                            | 12       | 32      | 46                              | \$42,210         | 14,448         | PCPS, 65+, V         |
| Florida  | Levy County         | 11                                    | ↑ | 40-60%                            | 14       | 32      | 61                              | \$36,005         | 41,834         | PCPS, 65+, V         |
| Florida  | Madison County      | 47                                    | ↑ | 40-60%                            | 16       | 34      | 89                              | \$34,360         | 18,418         | PCPS, PP, 65+, V     |
| Florida  | Washington County   | 15                                    | ↓ | 40-60%                            | 13       | 39      | 66                              | \$36,328         | 26,547         | PCPS, 65+, V, AI     |
| Georgia  | Decatur County      | 39                                    | ↑ | 40-60%                            | 12       | 30      | 58                              | \$37,661         | 26,630         | PP, 65+, V           |
| Georgia  | Dodge County        | 29                                    | ↓ | 40-60%                            | 14       | 29      | 54                              | \$34,611         | 21,315         | 65+, V               |
| Georgia  | Grady County        | 45                                    | ↓ | 40-60%                            | 12       | 33      | 56                              | \$36,486         | 24,290         | PP, 65+              |
| Georgia  | Laurens County      | 31                                    | ↓ | 60-80%                            | 14       | 36      | 50                              | \$36,960         | 47,747         | 65+, V               |
| Georgia  | Meriwether County   | 38                                    | ↓ | 40-60%                            | 15       | 35      | 57                              | \$37,866         | 20,370         | 65+, V               |
| Georgia  | Worth County        | 49                                    | ↔ | 40-60%                            | 14       | 37      | 58                              | \$39,560         | 20,068         | PCPS, 65+, V         |
| Indiana  | Brown County        | 35                                    | ↑ | 40-60%                            | 13       | 31      | 42                              | \$53,801         | 14,754         | 65+, V               |
| Indiana  | Daviess County      | 23                                    | ↑ | 40-60%                            | 13       | 38      | 75                              | \$47,019         | 31,256         | 65+                  |
| Indiana  | Greene County       | 50                                    | ↑ | 40-60%                            | 13       | 33      | 66                              | \$47,952         | 31,540         | PCPS, 65+, V         |
| Indiana  | Harrison County     | 43                                    | ↑ | 40-60%                            | 13       | 36      | 71                              | \$53,719         | 41,331         | 65+, V               |
| Indiana  | Orange County       | 33                                    | ↑ | 40-60%                            | 12       | 35      | 53                              | \$40,918         | 19,224         | 65+, V               |
| Indiana  | Ripley County       | 46                                    | ↓ | 40-60%                            | 14       | 33      | 56                              | \$51,553         | 28,287         | PCPS, 65+, V         |
| Kentucky | Harlan County       | 28                                    | ↓ | 40-60%                            | 17       | 37      | 191                             | \$27,425         | 27,411         | PP, 65+              |
| Kentucky | Letcher County      | 1                                     | ↑ | 40-60%                            | 18       | 39      | 164                             | \$31,079         | 23,808         | PP, 65+              |

## \*More Data Key

PCPS • Primary Care Physician Shortage Area per HRSA thresholds

AI • Percentage of American Indians/Alaska Natives in county exceeds national average

PP • Census Bureau-designation as Persistent Poverty County

65+ • Percentage of population 65 years of age or older exceeds national average

V • Percentage of veterans in county exceeds national average

↓ ↑ ↔ • Broadband access increased, decreased, unchanged year on year

<sup>†</sup>The Rural Priority 2017 list is organized alphabetically by state, and within a state, by county. The list focuses on majority rural counties with population estimates of 15,000 or higher and reflects annual broadband data for fixed residential connections as of December 2015. Visit [www.fcc.gov/health](http://www.fcc.gov/health) for methodology and for the Priority 2017 list which looks at broadband health priorities across all U.S. counties (both rural and non-rural).



# CRITICAL NEED COUNTIES IN BROADBAND & HEALTH — RURAL 2017<sup>†</sup>

A roadmap for private investment and coordinated public support.

| State       | County                 | Rural Broadband Access<br>(25/3 mbps) | Internet Adoption<br>(≥ 200 kbps) | Diabetes | Obesity | Preventable<br>Hospitalizations | Median<br>Income | County<br>Pop. | More Data*           |
|-------------|------------------------|---------------------------------------|-----------------------------------|----------|---------|---------------------------------|------------------|----------------|----------------------|
| National    |                        | 62.2%                                 | 60-80%                            | 9.7%     | 27.4%   | 48.7/1000                       | \$55,775         |                |                      |
| Kentucky    | Ohio County            | 24 ↔                                  | 60-80%                            | 16       | 37      | 90                              | \$40,661         | 23,822         | PCPS, 65+, V         |
| Kentucky    | Pendleton County       | 45 ↓                                  | 20-40%                            | 15       | 32      | 72                              | \$49,345         | 14,725         | PCPS, 65+, V         |
| Kentucky    | Russell County         | 0 ↔                                   | 40-60%                            | 12       | 35      | 72                              | \$31,968         | 17,742         | PP, 65+, V           |
| Louisiana   | Acadia Parish          | 41 ↓                                  | 40-60%                            | 13       | 33      | 84                              | \$42,033         | 61,309         | PP                   |
| Louisiana   | Avoyelles Parish       | 4 ↑                                   | 40-60%                            | 14       | 37      | 98                              | \$34,803         | 41,642         | PP, 65+, V, AI       |
| Louisiana   | Beauregard Parish      | 9 ↑                                   | 40-60%                            | 13       | 36      | 106                             | \$48,206         | 35,015         | 65+, V               |
| Louisiana   | East Feliciana Parish  | 9 ↔                                   | 40-60%                            | 17       | 42      | 94                              | \$43,105         | 19,685         | PP, 65+, V           |
| Louisiana   | Evangeline Parish      | 20 ↑                                  | 40-60%                            | 12       | 42      | 116                             | \$33,407         | 32,014         | PP                   |
| Louisiana   | Franklin Parish        | 7 ↑                                   | 20-40%                            | 14       | 38      | 101                             | \$33,845         | 19,087         | PP, 65+              |
| Louisiana   | Grant Parish           | 26 ↔                                  | 40-60%                            | 12       | 34      | 76                              | \$43,437         | 23,311         | PCPS, V              |
| Louisiana   | Jefferson Davis County | 24 ↓                                  | 60-80%                            | 13       | 36      | 103                             | \$43,677         | 30,555         | 65+                  |
| Louisiana   | Sabine Parish          | 9 ↓                                   | 40-60%                            | 15       | 39      | 87                              | \$42,196         | 22,503         | PCPS, PP, 65+, V, AI |
| Louisiana   | Union Parish           | 5 ↑                                   | 40-60%                            | 16       | 34      | 98                              | \$38,741         | 20,991         | PCPS, 65+, V         |
| Louisiana   | Washington Parish      | 3 ↔                                   | 40-60%                            | 15       | 37      | 74                              | \$33,453         | 47,455         | PP, 65+, V           |
| Louisiana   | Webster Parish         | 29 ↑                                  | 40-60%                            | 13       | 36      | 78                              | \$34,566         | 38,996         | 65+, V               |
| Louisiana   | West Feliciana Parish  | 2 ↑                                   | 40-60%                            | 12       | 35      | 53                              | \$56,680         | 16,224         | 65+, V               |
| Michigan    | Gladwin County         | 45 ↑                                  | 40-60%                            | 14       | 35      | 62                              | \$40,746         | 24,194         | 65+, V               |
| Michigan    | Menominee County       | 42 ↑                                  | 40-60%                            | 11       | 34      | 50                              | \$42,591         | 22,558         | 65+, V, AI           |
| Michigan    | Newaygo County         | 26 ↓                                  | 40-60%                            | 11       | 34      | 38                              | \$45,086         | 47,239         | 65+, V               |
| Michigan    | Oceana County          | 32 ↓                                  | 60-80%                            | 13       | 35      | 54                              | \$43,211         | 24,897         | 65+, V, AI           |
| Michigan    | Osceola County         | 30 ↑                                  | 40-60%                            | 11       | 34      | 57                              | \$41,782         | 22,092         | 65+, v               |
| Mississippi | Chickasaw County       | 32 ↔                                  | 20-40%                            | 15       | 33      | 73                              | \$31,937         | 16,015         | PP, 65+              |
| Mississippi | Clarke County          | 7 ↑                                   | 40-60%                            | 15       | 35      | 84                              | \$38,362         | 15,499         | PP, 65+, V           |
| Mississippi | Copiah County          | 9 ↓                                   | 40-60%                            | 15       | 37      | 71                              | \$34,723         | 28,972         | PP, 65+              |
| Mississippi | Covington County       | 0 ↔                                   | 20-40%                            | 16       | 36      | 77                              | \$36,206         | 19,195         | PP, 65+              |
| Mississippi | George County          | 4 ↓                                   | 40-60%                            | 13       | 34      | 98                              | \$48,212         | 24,656         | 65+, V               |
| Mississippi | Greene County          | 12 ↓                                  | 20-40%                            | 13       | 39      | 116                             | \$42,699         | 14,630         | PCPS, V              |
| Mississippi | Itawamba County        | 15 ↔                                  | 40-60%                            | 13       | 35      | 52                              | \$39,296         | 23,526         | PCPS, 65+            |
| Mississippi | Jasper County          | 15 ↔                                  | 20-40%                            | 17       | 38      | 60                              | \$35,092         | 16,370         | PCPS, PP, 65+        |
| Mississippi | Jones County           | 46 ↔                                  | 40-60%                            | 15       | 38      | 67                              | \$36,413         | 69,079         | 65+                  |
| Mississippi | Leake County           | 13 ↑                                  | 20-40%                            | 14       | 41      | 87                              | \$35,804         | 23,986         | PCPS, PP, 65+        |
| Mississippi | Lincoln County         | 20 ↓                                  | 40-60%                            | 13       | 39      | 51                              | \$40,627         | 36,209         | 65+                  |
| Mississippi | Marion County          | 0 ↔                                   | 20-40%                            | 14       | 34      | 93                              | \$34,742         | 27,818         | PP, 65+              |
| Mississippi | Monroe County          | 41 ↔                                  | 40-60%                            | 14       | 38      | 71                              | \$38,893         | 35,637         | 65+, V               |
| Mississippi | Neshoba County         | 46 ↔                                  | 20-40%                            | 13       | 38      | 110                             | \$38,068         | 30,390         | PP, 65+, AI          |
| Mississippi | Newton County          | 25 ↔                                  | 40-60%                            | 16       | 35      | 101                             | \$36,991         | 20,825         | PCPS, 65+, V, AI     |
| Mississippi | Panola County          | 43 ↑                                  | 40-60%                            | 15       | 36      | 75                              | \$35,517         | 34,943         | PCPS, PP, 65+        |
| Mississippi | Pike County            | 49 ↔                                  | 40-60%                            | 16       | 37      | 83                              | \$31,976         | 40,927         | PP, 65+              |
| Mississippi | Pontotoc County        | 32 ↔                                  | 20-40%                            | 14       | 31      | 62                              | \$39,977         | 30,633         | PCPS                 |
| Mississippi | Scott County           | 8 ↑                                   | 40-60%                            | 15       | 34      | 90                              | \$34,469         | 27,846         | PCPS, PP             |
| Mississippi | Simpson County         | 6 ↓                                   | 40-60%                            | 14       | 38      | 95                              | \$37,742         | 26,782         | PP, 65+, V           |
| Mississippi | Smith County           | 6 ↔                                   | 20-40%                            | 14       | 37      | 94                              | \$40,637         | 15,722         | PCPS, 65+            |
| Mississippi | Stone County           | 1 ↓                                   | 40-60%                            | 12       | 36      | 84                              | \$42,295         | 19,724         | PCPS, 65+, V, AI     |
| Mississippi | Tate County            | 30 ↑                                  | 40-60%                            | 17       | 37      | 84                              | \$43,376         | 30,877         | PCPS, 65+            |
| Mississippi | Tippah County          | 17 ↔                                  | 40-60%                            | 13       | 34      | 78                              | \$38,297         | 22,452         | 65+                  |
| Mississippi | Union County           | 49 ↔                                  | 40-60%                            | 11       | 33      | 69                              | \$42,120         | 27,779         | 65+                  |

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PP • Census Bureau-designation as Persistent Poverty County

65+ • Percentage of population 65 years of age or older exceeds national average

V • Percentage of veterans in county exceeds national average

↓ ↑ ↔ • Broadband access increased, decreased, unchanged year on year

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|----------------|--------------------|---------------------------------------|---|-----------------------------------|----------|---------|---------------------------------|------------------|----------------|----------------------|
| National       |                    | 62.2%                                 |   | 60-80%                            | 9.7%     | 27.4%   | 48.7/1000                       | \$55,775         |                |                      |
| Mississippi    | Walthall County    | 0                                     | ↔ | 20-40%                            | 17       | 38      | 81                              | \$31,202         | 15,432         | PP, 65+              |
| Mississippi    | Wayne County       | 3                                     | ↔ | 20-40%                            | 16       | 38      | 82                              | \$35,989         | 19,885         | PP, 65+, V           |
| Mississippi    | Winston County     | 35                                    | ↔ | 20-40%                            | 15       | 36      | 44                              | \$35,216         | 18,544         | PP, 65+, V           |
| Missouri       | Benton County      | 36                                    | ↑ | 40-60%                            | 14       | 31      | 71                              | \$34,156         | 17,981         | 65+, V               |
| Missouri       | Butler County      | 36                                    | ↑ | 40-60%                            | 12       | 35      | 81                              | \$35,509         | 41,579         | 65+, V               |
| Missouri       | Stoddard County    | 47                                    | ↑ | 40-60%                            | 14       | 33      | 78                              | \$38,773         | 28,295         | 65+, V               |
| Missouri       | Texas County       | 10                                    | ↔ | 40-60%                            | 13       | 33      | 67                              | \$34,935         | 25,441         | PP, 65+, V           |
| Missouri       | Washington County  | 27                                    | ↑ | 40-60%                            | 14       | 34      | 114                             | \$37,986         | 25,412         | PP, 65+, V           |
| Missouri       | Wright County      | 20                                    | ↔ | 40-60%                            | 11       | 31      | 56                              | \$32,634         | 18,756         | PCPS, PP, 65+, V     |
| New Mexico     | Cibola County      | 39                                    | ↑ | 40-60%                            | 13       | 31      | 56                              | \$35,580         | 26,186         | PP, 65+, V, AI       |
| New Mexico     | McKinley County    | 3                                     | ↑ | 40-60%                            | 14       | 35      | 87                              | \$29,040         | 69,050         | PP, AI               |
| North Carolina | Anson County       | 34                                    | ↓ | 40-60%                            | 15       | 35      | 51                              | \$35,307         | 25,413         | 65+                  |
| North Carolina | Bertie County      | 16                                    | ↓ | 40-60%                            | 14       | 36      | 53                              | \$31,967         | 21,102         | PCPS, PP, 65+        |
| North Carolina | Caswell County     | 39                                    | ↓ | 40-60%                            | 13       | 36      | 46                              | \$40,504         | 22,661         | PCPS, 65+, V         |
| North Carolina | Greene County      | 12                                    | ↑ | 40-60%                            | 13       | 36      | 55                              | \$35,060         | 21,714         | PCPS, 65+, AI        |
| North Carolina | Martin County      | 42                                    | ↓ | 40-60%                            | 16       | 38      | 78                              | \$36,543         | 22,149         | PP, 65+, V           |
| North Carolina | Montgomery County  | 43                                    | ↓ | 40-60%                            | 13       | 31      | 58                              | \$39,096         | 26,373         | 65+, V               |
| North Carolina | Northampton County | 35                                    | ↓ | 40-60%                            | 16       | 39      | 73                              | \$33,301         | 20,436         | PCPS, PP, 65+, V, AI |
| North Carolina | Sampson County     | 41                                    | ↑ | 40-60%                            | 14       | 37      | 69                              | \$40,660         | 62,793         | 65+                  |
| North Carolina | Swain County       | 45                                    | ↓ | 60-80%                            | 15       | 33      | 72                              | \$36,103         | 14,074         | 65+, V, AI           |
| Ohio           | Coshocton County   | 46                                    | ↓ | 40-60%                            | 15       | 34      | 88                              | \$41,643         | 35,013         | 65+, V               |
| Ohio           | Gallia County      | 24                                    | ↑ | 40-60%                            | 15       | 32      | 64                              | \$38,738         | 30,320         | 65+, V               |
| Ohio           | Meigs County       | 39                                    | ↑ | 40-60%                            | 17       | 34      | 66                              | \$38,479         | 22,741         | PCPS, 65+, V         |
| Ohio           | Monroe County      | 0                                     | ↔ | 40-60%                            | 15       | 37      | 87                              | \$41,754         | 12,904         | PCPS, 65+, V         |
| Ohio           | Perry County       | 43                                    | ↔ | 40-60%                            | 13       | 36      | 68                              | \$44,738         | 36,192         | PCPS, 65+, V         |
| Ohio           | Pike County        | 42                                    | ↓ | 60-80%                            | 14       | 36      | 70                              | \$39,851         | 28,610         | 65+, V               |
| Oklahoma       | Adair County       | 4                                     | ↑ | 20-40%                            | 14       | 39      | 135                             | \$31,572         | 21,658         | PP, 65+, AI          |
| Oklahoma       | Bryan County       | 42                                    | ↑ | 40-60%                            | 11       | 33      | 88                              | \$40,875         | 44,606         | 65+, V, AI           |
| Oklahoma       | Caddo County       | 20                                    | ↔ | 40-60%                            | 13       | 37      | 56                              | \$43,548         | 24,977         | PCPS, PP, 65+, V, AI |
| Oklahoma       | Cherokee County    | 47                                    | ↑ | 40-60%                            | 15       | 36      | 50                              | \$40,600         | 46,955         | PP, 65+, V, AI       |
| Oklahoma       | Creek County       | 39                                    | ↑ | 60-80%                            | 15       | 37      | 89                              | \$47,395         | 69,352         | 65+, V, AI           |
| Oklahoma       | Delaware County    | 48                                    | ↑ | 60-80%                            | 14       | 33      | 53                              | \$38,840         | 40,738         | 65+, V, AI           |
| Oklahoma       | Garvin County      | 26                                    | ↑ | 40-60%                            | 13       | 34      | 81                              | \$46,139         | 25,783         | 65+, V, AI           |
| Oklahoma       | Le Flore County    | 26                                    | ↓ | 40-60%                            | 14       | 39      | 104                             | \$38,261         | 49,155         | 65+, V, AI           |
| Oklahoma       | Lincoln County     | 31                                    | ↓ | 40-60%                            | 14       | 39      | 55                              | \$46,976         | 33,088         | 65+, V, AI           |
| Oklahoma       | McCurain County    | 1                                     | ↑ | 40-60%                            | 14       | 35      | 100                             | \$31,723         | 30,538         | PP, 65+, V, AI       |
| Oklahoma       | McIntosh County    | 11                                    | ↓ | 40-60%                            | 14       | 38      | 58                              | \$35,775         | 18,540         | 65+, V, AI           |
| Oklahoma       | Mayes County       | 33                                    | ↑ | 40-60%                            | 14       | 35      | 71                              | \$46,373         | 41,304         | 65+, V, AI           |
| Oklahoma       | Osage County       | 19                                    | ↓ | 40-60%                            | 12       | 35      | 52                              | \$46,093         | 45,024         | PCPS, 65+, V, AI     |
| Oklahoma       | Pittsburg County   | 36                                    | ↓ | 40-60%                            | 13       | 32      | 60                              | \$43,257         | 44,318         | 65+, V, AI           |
| Oklahoma       | Pontotoc County    | 48                                    | ↔ | 40-60%                            | 12       | 36      | 48                              | \$44,798         | 38,136         | 65+, V, AI           |
| Oklahoma       | Seminole County    | 17                                    | ↑ | 40-60%                            | 14       | 36      | 72                              | \$39,102         | 24,064         | 65+, V, AI           |
| Oklahoma       | Sequoyah County    | 18                                    | ↓ | 20-40%                            | 14       | 33      | 69                              | \$36,718         | 42,020         | 65+, V, AI           |
| Pennsylvania   | Mifflin County     | 47                                    | ↑ | 40-60%                            | 13       | 32      | 78                              | \$42,296         | 46,822         | 65+, V               |
| Pennsylvania   | Warren County      | 36                                    | ↓ | 40-60%                            | 13       | 34      | 48                              | \$45,362         | 40,121         | 65+, V               |

## \*More Data Key

PCPS • Primary Care Physician Shortage Area per HRSA thresholds

AI • Percentage of American Indians/Alaska Natives in county exceeds national average

PP • Census Bureau-designation as Persistent Poverty County

65+ • Percentage of population 65 years of age or older exceeds national average

V • Percentage of veterans in county exceeds national average

↓ ↑ ↔ • Broadband access increased, decreased, unchanged year on year

<sup>†</sup>The Rural Priority 2017 list is organized alphabetically by state, and within a state, by county. The list focuses on majority rural counties with population estimates of 15,000 or higher and reflects annual broadband data for fixed residential connections as of December 2015. Visit [www.fcc.gov/health](http://www.fcc.gov/health) for methodology and for the *Priority 2017* list which looks at broadband health priorities across all U.S. counties (both rural and non-rural).



# CRITICAL NEED COUNTIES IN BROADBAND & HEALTH — RURAL 2017<sup>†</sup>

A roadmap for private investment and coordinated public support.

| State          | County              | Rural Broadband Access<br>(25/3 mbps) |   | Internet Adoption<br>(≥ 200 kbps) | Diabetes | Obesity | Preventable<br>Hospitalizations | Median<br>Income | County<br>Pop. | More Data*       |
|----------------|---------------------|---------------------------------------|---|-----------------------------------|----------|---------|---------------------------------|------------------|----------------|------------------|
| National       |                     | 62.2%                                 |   | 60-80%                            | 9.7%     | 27.4%   | 48.7/1000                       | \$55,775         |                |                  |
| South Carolina | Chester County      | 42                                    | ↑ | 40-60%                            | 14       | 36      | 59                              | \$35,006         | 31,098         | 65+, V           |
| South Carolina | Chesterfield County | 24                                    | ↔ | 40-60%                            | 15       | 35      | 69                              | \$36,520         | 44,152         | 65+, V           |
| South Carolina | Edgefield County    | 46                                    | ↓ | 40-60%                            | 14       | 33      | 51                              | \$46,430         | 26,748         | PCPS, 65+, V     |
| South Carolina | Fairfield County    | 36                                    | ↑ | 40-60%                            | 19       | 41      | 42                              | \$36,622         | 22,456         | 65+, V           |
| South Carolina | Hampton County      | 22                                    | ↓ | 40-60%                            | 15       | 42      | 65                              | \$30,772         | 19,638         | PP, 65+, V       |
| South Carolina | Marlboro County     | 1                                     | ↑ | 40-60%                            | 15       | 39      | 62                              | \$32,485         | 27,306         | PP, 65+, AI      |
| South Carolina | Newberry County     | 50                                    | ↑ | 40-60%                            | 16       | 36      | 37                              | \$41,120         | 36,451         | 65+, V           |
| South Carolina | Orangeburg Coun     | 31                                    | ↓ | 40-60%                            | 15       | 42      | 35                              | \$37,651         | 87,409         | PP, 65+, V       |
| South Carolina | Saluda County       | 10                                    | ↑ | 40-60%                            | 13       | 36      | 49                              | \$41,409         | 18,522         | PCPS, 65+, V, AI |
| South Carolina | Williamsburg County | 49                                    | ↑ | 40-60%                            | 18       | 43      | 64                              | \$28,943         | 31,565         | PCPS, PP, 65+, V |
| Tennessee      | Cocke County        | 49                                    | ↔ | 40-60%                            | 16       | 34      | 79                              | \$31,355         | 35,720         | PP, 65+, V, AI   |
| Tennessee      | Giles County        | 21                                    | ↓ | 40-60%                            | 14       | 32      | 63                              | \$42,207         | 27,716         | 65+, V           |
| Tennessee      | Hardeman County     | 38                                    | ↑ | 40-60%                            | 15       | 38      | 56                              | \$37,729         | 25,484         | PCPS, 65+, V     |
| Tennessee      | Hawkins County      | 48                                    | ↓ | 40-60%                            | 14       | 33      | 64                              | \$38,708         | 57,621         | 65+, V           |
| Tennessee      | Humphreys County    | 27                                    | ↑ | 40-60%                            | 14       | 36      | 98                              | \$43,657         | 17,831         | 65+, V           |
| Tennessee      | Jefferson County    | 48                                    | ↓ | 40-60%                            | 12       | 34      | 59                              | \$42,669         | 54,312         | 65+, V           |
| Tennessee      | Lauderdale County   | 48                                    | ↑ | 40-60%                            | 15       | 38      | 72                              | \$34,715         | 27,361         | PCPS             |
| Tennessee      | Lawrence County     | 28                                    | ↓ | 40-60%                            | 14       | 34      | 75                              | \$40,076         | 40,698         | 65+, AI          |
| Tennessee      | Lincoln County      | 28                                    | ↓ | 40-60%                            | 14       | 32      | 59                              | \$43,694         | 33,647         | 65+, V, AI       |
| Tennessee      | McNairy County      | 43                                    | ↑ | 40-60%                            | 17       | 39      | 65                              | \$37,337         | 25,519         | 65+, V           |
| Tennessee      | Monroe County       | 49                                    | ↓ | 40-60%                            | 15       | 36      | 61                              | \$37,867         | 46,590         | PCPS, 65+, V, AI |
| Tennessee      | Rhea County         | 44                                    | ↓ | 40-60%                            | 14       | 30      | 79                              | \$39,863         | 32,678         | 65+, V           |
| Tennessee      | Wayne County        | 36                                    | ↓ | 40-60%                            | 12       | 33      | 109                             | \$34,895         | 15,876         | 65+, V           |
| Texas          | Anderson County     | 15                                    | ↓ | 60-80%                            | 12       | 32      | 64                              | \$43,062         | 57,655         | V                |
| Texas          | Cherokee County     | 17                                    | ↑ | 40-60%                            | 12       | 30      | 83                              | \$41,355         | 49,457         | 65+, AI          |
| Texas          | Rusk County         | 31                                    | ↑ | 40-60%                            | 11       | 31      | 78                              | \$49,347         | 53,094         | PCPS, 65+, V     |
| Texas          | Shelby County       | 4                                     | ↓ | 40-60%                            | 12       | 31      | 73                              | \$41,519         | 24,534         | PCPS, 65+        |
| Virginia       | Buckingham County   | 17                                    | ↑ | 40-60%                            | 14       | 34      | 42                              | \$43,774         | 16,710         | 65+, V           |
| Virginia       | Dinwiddie County    | 39                                    | ↔ | 40-60%                            | 11       | 33      | 57                              | \$52,694         | 28,265         | PCPS, 65+, V     |
| Virginia       | Halifax County      | 40                                    | ↑ | 40-60%                            | 16       | 32      | 43                              | \$40,432         | 33,304         | 65+, V           |
| Virginia       | Mecklenburg County  | 27                                    | ↔ | 40-60%                            | 14       | 31      | 55                              | \$33,650         | 30,195         | 65+, V           |
| West Virginia  | Barbour County      | 25                                    | ↓ | 40-60%                            | 15       | 38      | 69                              | \$37,330         | 16,736         | 65+              |
| West Virginia  | Braxton County      | 46                                    | ↔ | 40-60%                            | 16       | 33      | 74                              | \$35,892         | 14,125         | PP, 65+, V       |
| West Virginia  | Greenbrier County   | 50                                    | ↑ | 40-60%                            | 14       | 34      | 77                              | \$38,209         | 35,044         | 65+, V           |
| West Virginia  | Hampshire County    | 23                                    | ↑ | 40-60%                            | 13       | 34      | 64                              | \$40,293         | 25,081         | PCPS, 65+, V     |
| West Virginia  | Jackson County      | 21                                    | ↑ | 60-80%                            | 13       | 32      | 75                              | \$44,675         | 29,444         | 65+, V           |
| West Virginia  | Logan County        | 43                                    | ↑ | 60-80%                            | 18       | 41      | 128                             | \$35,615         | 36,876         | 65+              |
| West Virginia  | Mason County        | 34                                    | ↑ | 40-60%                            | 13       | 36      | 75                              | \$35,717         | 27,325         | 65+, V           |
| West Virginia  | Mineral County      | 43                                    | ↑ | 60-80%                            | 14       | 35      | 63                              | \$43,159         | 27,881         | PCPS, 65+, V     |
| West Virginia  | Mingo County        | 27                                    | ↑ | 60-80%                            | 13       | 40      | 169                             | \$31,742         | 26,716         | PP, 65+          |
| West Virginia  | Nicholas County     | 48                                    | ↑ | 60-80%                            | 16       | 38      | 58                              | \$38,912         | 26,626         | 65+, V           |

## \*More Data Key

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DP04

## SELECTED HOUSING CHARACTERISTICS

## 2016 American Community Survey 1-Year Estimates

Supporting documentation on code lists, subject definitions, data accuracy, and statistical testing can be found on the American Community Survey website in the Data and Documentation section.

Sample size and data quality measures (including coverage rates, allocation rates, and response rates) can be found on the American Community Survey website in the Methodology section.

**Tell us what you think.** Provide feedback to help make American Community Survey data more useful for you.

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that produces and disseminates the official estimates of the population for the nation, states, counties, cities and towns and estimates of housing units for states and counties.

| Subject                     | Navajo Nation Reservation and Off-Reservation Trust Land, AZ--NM--UT |                 |         |                         |
|-----------------------------|--|-----------------|---------|-------------------------|
|                             | Estimate   | Margin of Error | Percent | Percent Margin of Error |
| <b>HOUSING OCCUPANCY</b>    |  |                 |         |                         |
| Total housing units         | 66,933   | +/-2,255        | 66,933  | (X)                     |
| Occupied housing units      | 46,340   | +/-2,039        | 69.2%   | +/-1.3                  |
| Vacant housing units        | 20,593   | +/-919          | 30.8%   | +/-1.3                  |
| Homeowner vacancy rate      | 0.0  | +/-0.1          | (X)     | (X)                     |
| Rental vacancy rate         | 7.9  | +/-1.9          | (X)     | (X)                     |
| <b>UNITS IN STRUCTURE</b>   |  |                 |         |                         |
| Total housing units         | 66,933   | +/-2,255        | 66,933  | (X)                     |
| 1-unit, detached            | 48,886   | +/-1,915        | 73.0%   | +/-1.2                  |
| 1-unit, attached            | 1,322  | +/-289          | 2.0%    | +/-0.4                  |
| 2 units                     | 1,129  | +/-313          | 1.7%    | +/-0.5                  |
| 3 or 4 units                | 1,082  | +/-248          | 1.6%    | +/-0.4                  |
| 5 to 9 units                | 732  | +/-311          | 1.1%    | +/-0.5                  |
| 10 to 19 units              | 62   | +/-85           | 0.1%    | +/-0.1                  |
| 20 or more units            | 144  | +/-116          | 0.2%    | +/-0.2                  |
| Mobile home                 | 13,372   | +/-838          | 20.0%   | +/-1.2                  |
| Boat, RV, van, etc.         | 204  | +/-130          | 0.3%    | +/-0.2                  |
| <b>YEAR STRUCTURE BUILT</b> |  |                 |         |                         |
| Total housing units         | 66,933   | +/-2,255        | 66,933  | (X)                     |
| Built 2014 or later         | 482  | +/-139          | 0.7%    | +/-0.2                  |
| Built 2010 to 2013          | 1,281  | +/-247          | 1.9%    | +/-0.4                  |
| Built 2000 to 2009          | 9,111  | +/-790          | 13.6%   | +/-1.0                  |
| Built 1990 to 1999          | 14,999   | +/-1,038        | 22.4%   | +/-1.3                  |
| Built 1980 to 1989          | 15,604   | +/-880          | 23.3%   | +/-1.3                  |
| Built 1970 to 1979          | 14,187   | +/-1,064        | 21.2%   | +/-1.3                  |
| Built 1960 to 1969          | 6,627  | +/-514          | 9.9%    | +/-0.7                  |
| Built 1950 to 1959          | 2,704  | +/-463          | 4.0%    | +/-0.7                  |
| Built 1940 to 1949          | 676  | +/-171          | 1.0%    | +/-0.3                  |
| Built 1939 or earlier       | 1,262  | +/-327          | 1.9%    | +/-0.5                  |



| Subject  | Navajo Nation Reservation and Off-Reservation Trust Land, AZ--NM--UT |                 |         |                         |
|--|--|-----------------|---------|-------------------------|
|  | Estimate   | Margin of Error | Percent | Percent Margin of Error |
| ROOMS  |  |                 |         |                         |
| Total housing units                            | 66,933   | +/-2,255        | 66,933  | (X)                     |
| 1 room   | 12,438   | +/-793          | 18.6%   | +/-1.1                  |
| 2 rooms  | 4,988  | +/-447          | 7.5%    | +/-0.6                  |
| 3 rooms  | 5,644  | +/-548          | 8.4%    | +/-0.8                  |
| 4 rooms  | 15,102   | +/-1,075        | 22.6%   | +/-1.3                  |
| 5 rooms  | 18,533   | +/-1,197        | 27.7%   | +/-1.6                  |
| 6 rooms  | 7,084  | +/-792          | 10.6%   | +/-1.0                  |
| 7 rooms  | 2,338  | +/-427          | 3.5%    | +/-0.6                  |
| 8 rooms  | 677  | +/-180          | 1.0%    | +/-0.3                  |
| 9 rooms or more                                | 129  | +/-83           | 0.2%    | +/-0.1                  |
| Median rooms                                   | 4.2  | +/-0.1          | (X)     | (X)                     |
| BEDROOMS                                       |  |                 |         |                         |
| Total housing units                            | 66,933   | +/-2,255        | 66,933  | (X)                     |
| No bedroom                                     | 12,757   | +/-815          | 19.1%   | +/-1.1                  |
| 1 bedroom                                      | 7,592  | +/-548          | 11.3%   | +/-0.8                  |
| 2 bedrooms                                     | 16,998   | +/-1,121        | 25.4%   | +/-1.4                  |
| 3 bedrooms                                     | 22,285   | +/-1,419        | 33.3%   | +/-1.6                  |
| 4 bedrooms                                     | 6,172  | +/-674          | 9.2%    | +/-0.9                  |
| 5 or more bedrooms                             | 1,129  | +/-274          | 1.7%    | +/-0.4                  |
| HOUSING TENURE                                 |  |                 |         |                         |
| Occupied housing units                         | 46,340   | +/-2,039        | 46,340  | (X)                     |
| Owner-occupied                                 | 34,493   | +/-1,554        | 74.4%   | +/-1.4                  |
| Renter-occupied                                | 11,847   | +/-916          | 25.6%   | +/-1.4                  |
| Average household size of owner-occupied unit  | 3.75   | +/-0.14         | (X)     | (X)                     |
| Average household size of renter-occupied unit | 3.79   | +/-0.26         | (X)     | (X)                     |
| YEAR HOUSEHOLDER MOVED INTO UNIT               |  |                 |         |                         |
| Occupied housing units                         | 46,340   | +/-2,039        | 46,340  | (X)                     |
| Moved in 2015 or later                         | 3,390  | +/-604          | 7.3%    | +/-1.2                  |
| Moved in 2010 to 2014                          | 7,220  | +/-768          | 15.6%   | +/-1.5                  |
| Moved in 2000 to 2009                          | 11,795   | +/-1,013        | 25.5%   | +/-1.8                  |
| Moved in 1990 to 1999                          | 10,552   | +/-769          | 22.8%   | +/-1.4                  |
| Moved in 1980 to 1989                          | 7,006  | +/-629          | 15.1%   | +/-1.3                  |
| Moved in 1979 and earlier                      | 6,377  | +/-726          | 13.8%   | +/-1.4                  |
| VEHICLES AVAILABLE                             |  |                 |         |                         |
| Occupied housing units                         | 46,340   | +/-2,039        | 46,340  | (X)                     |
| No vehicles available                          | 5,962  | +/-550          | 12.9%   | +/-1.1                  |
| 1 vehicle available                            | 18,460   | +/-1,089        | 39.8%   | +/-1.8                  |
| 2 vehicles available                           | 13,230   | +/-1,141        | 28.5%   | +/-2.0                  |
| 3 or more vehicles available                   | 8,688  | +/-882          | 18.7%   | +/-1.6                  |
| HOUSE HEATING FUEL                             |  |                 |         |                         |
| Occupied housing units                         | 46,340   | +/-2,039        | 46,340  | (X)                     |
| Utility gas                                    | 5,288  | +/-727          | 11.4%   | +/-1.5                  |
| Bottled, tank, or LP gas                       | 4,193  | +/-644          | 9.0%    | +/-1.2                  |
| Electricity                                    | 5,959  | +/-766          | 12.9%   | +/-1.5                  |
| Fuel oil, kerosene, etc.                       | 6  | +/-11           | 0.0%    | +/-0.1                  |
| Coal or coke                                   | 185  | +/-97           | 0.4%    | +/-0.2                  |
| Wood   | 29,017   | +/-1,495        | 62.6%   | +/-2.1                  |
| Solar energy                                   | 84   | +/-69           | 0.2%    | +/-0.1                  |
| Other fuel                                     | 1,245  | +/-314          | 2.7%    | +/-0.7                  |
| No fuel used                                   | 363  | +/-168          | 0.8%    | +/-0.4                  |



| Subject  | Navajo Nation Reservation and Off-Reservation Trust Land, AZ--NM--UT |                 |         |                         |
|--|--|-----------------|---------|-------------------------|
|  | Estimate   | Margin of Error | Percent | Percent Margin of Error |
| SELECTED CHARACTERISTICS   |  |                 |         |                         |
| Occupied housing units   | 46,340   | +/-2,039        | 46,340  | (X)                     |
| Lacking complete plumbing facilities   | 8,038  | +/-724          | 17.3%   | +/-1.3                  |
| Lacking complete kitchen facilities  | 5,916  | +/-591          | 12.8%   | +/-1.1                  |
| No telephone service available   | 6,420  | +/-604          | 13.9%   | +/-1.3                  |
| OCCUPANTS PER ROOM   |  |                 |         |                         |
| Occupied housing units   | 46,340   | +/-2,039        | 46,340  | (X)                     |
| 1.00 or less   | 38,059   | +/-1,862        | 82.1%   | +/-1.5                  |
| 1.01 to 1.50   | 3,926  | +/-534          | 8.5%    | +/-1.1                  |
| 1.51 or more   | 4,355  | +/-554          | 9.4%    | +/-1.1                  |
| VALUE  |  |                 |         |                         |
| Owner-occupied units   | 34,493   | +/-1,554        | 34,493  | (X)                     |
| Less than \$50,000   | 14,751   | +/-989          | 42.8%   | +/-2.3                  |
| \$50,000 to \$99,999   | 11,852   | +/-816          | 34.4%   | +/-2.0                  |
| \$100,000 to \$149,999   | 3,570  | +/-477          | 10.3%   | +/-1.2                  |
| \$150,000 to \$199,999   | 1,025  | +/-262          | 3.0%    | +/-0.7                  |
| \$200,000 to \$299,999   | 2,056  | +/-454          | 6.0%    | +/-1.2                  |
| \$300,000 to \$499,999   | 301  | +/-180          | 0.9%    | +/-0.5                  |
| \$500,000 to \$999,999   | 829  | +/-372          | 2.4%    | +/-1.1                  |
| \$1,000,000 or more  | 109  | +/-62           | 0.3%    | +/-0.2                  |
| Median (dollars)   | 57,300   | +/-2,222        | (X)     | (X)                     |
| MORTGAGE STATUS  |  |                 |         |                         |
| Owner-occupied units   | 34,493   | +/-1,554        | 34,493  | (X)                     |
| Housing units with a mortgage  | 4,333  | +/-650          | 12.6%   | +/-1.8                  |
| Housing units without a mortgage   | 30,160   | +/-1,490        | 87.4%   | +/-1.8                  |
| SELECTED MONTHLY OWNER COSTS (SMOC)  |  |                 |         |                         |
| Housing units with a mortgage  | 4,333  | +/-650          | 4,333   | (X)                     |
| Less than \$500  | 732  | +/-244          | 16.9%   | +/-5.7                  |
| \$500 to \$999   | 2,463  | +/-410          | 56.8%   | +/-7.0                  |
| \$1,000 to \$1,499   | 605  | +/-213          | 14.0%   | +/-4.6                  |
| \$1,500 to \$1,999   | 234  | +/-158          | 5.4%    | +/-3.6                  |
| \$2,000 to \$2,499   | 0  | +/-193          | 0.0%    | +/-3.5                  |
| \$2,500 to \$2,999   | 287  | +/-362          | 6.6%    | +/-7.8                  |
| \$3,000 or more  | 12   | +/-19           | 0.3%    | +/-0.4                  |
| Median (dollars)   | 782  | +/-46           | (X)     | (X)                     |
| Housing units without a mortgage   | 30,160   | +/-1,490        | 30,160  | (X)                     |
| Less than \$250  | 22,171   | +/-1,258        | 73.5%   | +/-2.0                  |
| \$250 to \$399   | 5,050  | +/-567          | 16.7%   | +/-1.8                  |
| \$400 to \$599   | 2,201  | +/-385          | 7.3%    | +/-1.2                  |
| \$600 to \$799   | 590  | +/-220          | 2.0%    | +/-0.7                  |
| \$800 to \$999   | 148  | +/-124          | 0.5%    | +/-0.4                  |
| \$1,000 or more  | 0  | +/-193          | 0.0%    | +/-0.5                  |
| Median (dollars)   | 178  | +/-6            | (X)     | (X)                     |
| SELECTED MONTHLY OWNER COSTS AS A PERCENTAGE OF HOUSEHOLD INCOME (SMOCAPI)       |  |                 |         |                         |
| Housing units with a mortgage (excluding units where SMOCAPI cannot be computed) | 4,272  | +/-655          | 4,272   | (X)                     |
| Less than 20.0 percent   | 2,124  | +/-389          | 49.7%   | +/-7.9                  |
| 20.0 to 24.9 percent   | 401  | +/-186          | 9.4%    | +/-4.5                  |
| 25.0 to 29.9 percent   | 451  | +/-234          | 10.6%   | +/-5.2                  |
| 30.0 to 34.9 percent   | 284  | +/-170          | 6.6%    | +/-3.8                  |
| 35.0 percent or more   | 1,012  | +/-409          | 23.7%   | +/-7.3                  |

| Subject  | Navajo Nation Reservation and Off-Reservation Trust Land, AZ--NM--UT |                 |         |                         |
|--|--|-----------------|---------|-------------------------|
|  | Estimate   | Margin of Error | Percent | Percent Margin of Error |
| Not computed   | 61   | +/-46           | (X)     | (X)                     |
| Housing unit without a mortgage (excluding units where SMOCAPI cannot be computed) | 27,713   | +/-1,434        | 27,713  | (X)                     |
| Less than 10.0 percent   | 16,551   | +/-1,163        | 59.7%   | +/-2.6                  |
| 10.0 to 14.9 percent   | 3,883  | +/-466          | 14.0%   | +/-1.5                  |
| 15.0 to 19.9 percent   | 1,933  | +/-337          | 7.0%    | +/-1.2                  |
| 20.0 to 24.9 percent   | 1,336  | +/-263          | 4.8%    | +/-0.9                  |
| 25.0 to 29.9 percent   | 855  | +/-192          | 3.1%    | +/-0.7                  |
| 30.0 to 34.9 percent   | 765  | +/-179          | 2.8%    | +/-0.6                  |
| 35.0 percent or more   | 2,390  | +/-378          | 8.6%    | +/-1.3                  |
| Not computed   | 2,447  | +/-434          | (X)     | (X)                     |
| GROSS RENT   |  |                 |         |                         |
| Occupied units paying rent   | 8,593  | +/-826          | 8,593   | (X)                     |
| Less than \$500  | 4,117  | +/-601          | 47.9%   | +/-5.6                  |
| \$500 to \$999   | 3,728  | +/-583          | 43.4%   | +/-5.3                  |
| \$1,000 to \$1,499   | 734  | +/-335          | 8.5%    | +/-3.7                  |
| \$1,500 to \$1,999   | 14   | +/-22           | 0.2%    | +/-0.3                  |
| \$2,000 to \$2,499   | 0  | +/-193          | 0.0%    | +/-1.8                  |
| \$2,500 to \$2,999   | 0  | +/-193          | 0.0%    | +/-1.8                  |
| \$3,000 or more  | 0  | +/-193          | 0.0%    | +/-1.8                  |
| Median (dollars)   | 515  | +/-41           | (X)     | (X)                     |
| No rent paid   | 3,254  | +/-423          | (X)     | (X)                     |
| GROSS RENT AS A PERCENTAGE OF HOUSEHOLD INCOME (GRAPI)                             |  |                 |         |                         |
| Occupied units paying rent (excluding units where GRAPI cannot be computed)        | 8,296  | +/-793          | 8,296   | (X)                     |
| Less than 15.0 percent   | 3,827  | +/-558          | 46.1%   | +/-5.2                  |
| 15.0 to 19.9 percent   | 758  | +/-256          | 9.1%    | +/-2.9                  |
| 20.0 to 24.9 percent   | 733  | +/-223          | 8.8%    | +/-2.5                  |
| 25.0 to 29.9 percent   | 633  | +/-232          | 7.6%    | +/-2.8                  |
| 30.0 to 34.9 percent   | 590  | +/-231          | 7.1%    | +/-2.8                  |
| 35.0 percent or more   | 1,755  | +/-438          | 21.2%   | +/-4.5                  |
| Not computed   | 3,551  | +/-490          | (X)     | (X)                     |

Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error (for a discussion of nonsampling variability, see Accuracy of the Data). The effect of nonsampling error is not represented in these tables.

Households not paying cash rent are excluded from the calculation of median gross rent.

Telephone service data are not available for certain geographic areas due to problems with data collection of this question that occurred in 2015 and 2016. Both ACS 1-year and ACS 5-year files were affected. It may take several years in the ACS 5-year files until the estimates are available for the geographic areas affected.

While the 2016 American Community Survey (ACS) data generally reflect the February 2013 Office of Management and Budget (OMB) definitions of metropolitan and micropolitan statistical areas; in certain instances the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB definitions due to differences in the effective dates of the geographic entities.

Estimates of urban and rural population, housing units, and characteristics reflect boundaries of urban areas defined based on Census 2010 data. As a result, data for urban and rural areas from the ACS do not necessarily reflect the results of ongoing urbanization.

Explanation of Symbols:

1. An '\*\*\*' entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate.
2. An '-' entry in the estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution.
3. An '-' following a median estimate means the median falls in the lowest interval of an open-ended distribution.
4. An '+' following a median estimate means the median falls in the upper interval of an open-ended distribution.
5. An '\*\*\*\*' entry in the margin of error column indicates that the median falls in the lowest interval or upper interval of an open-ended distribution. A statistical test is not appropriate.
6. An '\*\*\*\*\*' entry in the margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate.
7. An 'N' entry in the estimate and margin of error columns indicates that data for this geographic area cannot be displayed because the number of sample cases is too small.
8. An '(X)' means that the estimate is not applicable or not available.

## Examples of How to Weight an Auction

| Tribal Mobility Fund Phase II<br>Weights Based on Telephone<br>Penetration Rates |        |
|--|--------|
| Lacking Telephone<br>Service   | Weight |
| Below 6%   | 40     |
| 6.1-10%  | 10     |
| Above 10%  | 0      |

| Tribal Mobility Fund Phase II<br>Weights Based on Mobile Broadband<br>Penetration at 10/1 |        |
|---|--------|
| Lacking Mobile<br>Broadband at 10/1   | Weight |
| Below 20%   | 40     |
| 21-40%  | 10     |
| Above 40%   | 0      |

| Tribal Mobility Fund Phase II<br>Weights Based on Population Density |        |
|--|--------|
| Eligible Area<br>Pop. per Sq. Mile                                   | Weight |
| Above 80   | 40     |
| 40-79  | 30     |
| 20-39  | 20     |
| Below 20   | 0      |

### Selected Tribal Lands – Percentage Without Telephone Service

| Tribal Land                                    | Percentage With No Telephone Service | Tribal Land                         | Percentage With No Telephone Service |
|--|--------------------------------------|-------------------------------------|--------------------------------------|
| Acoma, NM                                      | 4.0%                                 | Miami, OK                           | 5.5%                                 |
| Blackfeet, MT                                  | 14.2%                                | Mississippi Choctaw Reservation, MS | 6.2%                                 |
| Caddo, OK                                      | 1.7%                                 | Modoc, OK                           | 3.0%                                 |
| Celilo Village, OR                             | 12.5%                                | Otoe-Missouria, OK                  | 2.5%                                 |
| Chickasaw OK                                   | 2.6%                                 | Ottawa, OK                          | 4.0%                                 |
| Choctaw, OK                                    | 4.6%                                 | Paiute, UT                          | 5.4%                                 |
| Citizen Potawatomi Nation-Absentee Shawnee, OK | 1.9%                                 | Pawnee, OK                          | 3.7%                                 |
| Colville Reservation, WA                       | 2.6%                                 | Peoria, OK                          | 3.2%                                 |
| Cherokee, OK                                   | 2.6%                                 | Pine Ridge, SD-NE                   | 11.0%                                |
| Cheyenne, OK                                   | 2.0%                                 | Ponca, OK                           | 5.0%                                 |
| Creek, OK                                      | 2.8%                                 | Quapaw, OK                          | 2.6%                                 |
| Eastern Cherokee, NC                           | 6.1%                                 | Sac and Fox, OK                     | 3.0%                                 |
| Eastern Shawnee, OK                            | 6.4%                                 | Seminole, OK                        | 3.3%                                 |
| Fort Peck Indian Reservation, MT               | 12.2%                                | Seneca-Cayuga, OK                   | 3.8%                                 |
| Iowa, OK                                       | 4.1%                                 | Standing Rock, ND-SD                | 4.2%                                 |
| Karuk, CA,                                     | 2.1%                                 | Tonkawa, OK                         | 1.5%                                 |
| Kaw, OK  | 4.3%                                 | Wyandotte, OK                       | 2.9%                                 |
| Kickapoo, OK                                   | 3.5%                                 | Yurok, WA                           | 15.5%                                |
| Kiowa-Comanche-Apache-Fort Sill Apache, OK     | 3.0%                                 | Navajo Nation                       | 13.9%                                |

Source: American FactFinder: Selected Housing Characteristics.

2012-2016 American Community Survey 5-Year Estimates

[https://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS\\_15\\_5YR\\_DP04&prodType=table](https://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS_15_5YR_DP04&prodType=table)

**The auction should be weighted so that funds flow to areas that need them most.**