



**STATE of CALIFORNIA  
Wireline Broadband Deployment**

**Maximum Advertised Speeds**

**As of December 31, 2017**

County	All Households (CA DOF 1/1/2018)	Served Households and CAF II Areas (Speeds are at least 6 Mbps down AND 1 Mbps up <sup>1</sup> )		Unserved Households with Slow Service (Speeds less than 6 Mbps down OR 1 Mbps up)		Unserved Households with No Service (Speeds less than 200 Kbps in both directions, or no service <sup>2</sup> )	
		Number	Percent	Number	Percent	Number	Percent
<b>California</b>	<b>13,113,840</b>	<b>12,804,503</b>	<b>97.6 %</b>	<b>93,220</b>	<b>0.7 %</b>	<b>216,117</b>	<b>1.7 %</b>
Alameda	577,123	568,302	98.5 %	2,211	0.4 %	6,610	1.1 %
Alpine	477	462	96.9 %	0	0.0 %	15	3.1 %
Amador	14,685	14,065	95.8 %	148	1.0 %	472	3.2 %
Butte	90,962	84,276	92.6 %	1,040	1.1 %	5,646	6.2 %
Calaveras	18,290	17,558	96.0 %	214	1.2 %	518	2.8 %
Colusa	7,311	6,667	91.2 %	51	0.7 %	593	8.1 %
Contra Costa	392,185	389,089	99.2 %	626	0.2 %	2,470	0.6 %
Del Norte	9,743	9,016	92.5 %	10	0.1 %	717	7.4 %
El Dorado	74,265	69,177	93.1 %	1,719	2.3 %	3,369	4.5 %
Fresno	308,269	298,899	97.0 %	5,770	1.9 %	3,600	1.2 %
Glenn	10,098	7,200	71.3 %	1,096	10.9 %	1,802	17.8 %
Humboldt	56,939	51,278	90.1 %	1,192	2.1 %	4,469	7.8 %
Imperial	50,091	46,558	92.9 %	2,128	4.2 %	1,405	2.8 %
Inyo	8,094	8,075	99.8 %	18	0.2 %	1	0.0 %
Kern	270,224	265,126	98.1 %	912	0.3 %	4,186	1.5 %
Kings	43,877	41,562	94.7 %	1,780	4.1 %	535	1.2 %
Lake	24,594	18,495	75.2 %	3,215	13.1 %	2,884	11.7 %
Lassen	9,631	9,171	95.2 %	19	0.2 %	441	4.6 %
Los Angeles	3,338,658	3,308,585	99.1 %	5,998	0.2 %	24,075	0.7 %
Madera	45,217	44,821	99.1 %	26	0.1 %	370	0.8 %
Marin	104,591	103,135	98.6 %	464	0.4 %	992	0.9 %
Mariposa	7,799	7,347	94.2 %	198	2.5 %	254	3.3 %
Mendocino	35,317	28,707	81.3 %	1,297	3.7 %	5,313	15.0 %
Merced	80,044	78,454	98.0 %	1,076	1.3 %	514	0.6 %
Modoc	3,859	3,570	92.5 %	31	0.8 %	258	6.7 %
Mono	5,647	5,502	97.4 %	2	0.0 %	143	2.5 %
Monterey	126,339	115,306	91.3 %	8,108	6.4 %	2,925	2.3 %
Napa	49,281	46,665	94.7 %	622	1.3 %	1,994	4.0 %

Sources: Broadband deployment data is collected from Internet Service Providers and validated by the California Public Utilities Commission. The FCC defines broadband as Internet access services with downstream or upstream speeds greater than 200 Kbps in at least one direction. Such service is considered deployed if an ISP can provision new requests for service within 10 business days. Speeds of at least 6 Mbps downstream AND 1 Mbps upstream are considered served for purposes of the California Advanced Services Fund Infrastructure Grant Program.

Household data is based on the California Department of Finance, January 1, 2018 estimate.

<sup>1</sup>FCC CAF II CAM 4.3 model supported Census Blocks and FCC CAF II Auction 903 public results Census Blocks are considered served.

<sup>2</sup>Dial-up only service is included in the "No Service" category.



**STATE of CALIFORNIA  
Wireline Broadband Deployment**

**Maximum Advertised Speeds**

**As of December 31, 2017**

County	All Households (CA DOF 1/1/2018)	Served Households and CAF II Areas (Speeds are at least 6 Mbps down AND 1 Mbps up <sup>1</sup> )		Unserved Households with Slow Service (Speeds less than 6 Mbps down OR 1 Mbps up)		Unserved Households with No Service (Speeds less than 200 Kbps in both directions, or no service <sup>2</sup> )	
		Number	Percent	Number	Percent	Number	Percent
Nevada	41,647	36,683	88.1 %	2,144	5.1 %	2,820	6.8 %
Orange	1,037,173	1,005,011	96.9 %	8,047	0.8 %	24,115	2.3 %
Placer	144,074	135,290	93.9 %	3,917	2.7 %	4,867	3.4 %
Plumas	8,570	4,681	54.6 %	84	1.0 %	3,805	44.4 %
Riverside	729,920	716,185	98.1 %	1,432	0.2 %	12,303	1.7 %
Sacramento	537,056	528,980	98.5 %	2,701	0.5 %	5,375	1.0 %
San Benito	17,830	17,449	97.9 %	60	0.3 %	321	1.8 %
San Bernardino	644,247	636,223	98.8 %	1,831	0.3 %	6,193	1.0 %
San Diego	1,139,651	1,107,850	97.2 %	5,176	0.5 %	26,625	2.3 %
San Francisco	368,186	366,722	99.6 %	839	0.2 %	625	0.2 %
San Joaquin	228,200	223,606	98.0 %	958	0.4 %	3,636	1.6 %
San Luis Obispo	107,256	101,992	95.1 %	1,858	1.7 %	3,406	3.2 %
San Mateo	265,011	263,278	99.3 %	657	0.2 %	1,076	0.4 %
Santa Barbara	148,865	147,592	99.1 %	269	0.2 %	1,004	0.7 %
Santa Clara	642,093	627,545	97.7 %	3,980	0.6 %	10,568	1.6 %
Santa Cruz	96,860	94,161	97.2 %	500	0.5 %	2,199	2.3 %
Shasta	72,331	61,681	85.3 %	4,513	6.2 %	6,137	8.5 %
Sierra	1,394	38	2.7 %	160	11.5 %	1,196	85.8 %
Siskiyou	19,369	18,306	94.5 %	446	2.3 %	617	3.2 %
Solano	148,678	146,526	98.6 %	241	0.2 %	1,911	1.3 %
Sonoma	186,676	180,838	96.9 %	1,103	0.6 %	4,735	2.5 %
Stanislaus	169,032	166,934	98.8 %	896	0.5 %	1,202	0.7 %
Sutter	32,209	29,841	92.6 %	896	2.8 %	1,472	4.6 %
Tehama	24,647	24,380	98.9 %	179	0.7 %	88	0.4 %
Trinity	5,994	4,563	76.1 %	243	4.1 %	1,188	19.8 %
Tulare	137,814	128,056	92.9 %	6,297	4.6 %	3,461	2.5 %
Tuolumne	22,189	21,265	95.8 %	313	1.4 %	611	2.8 %
Ventura	273,672	268,901	98.3 %	1,603	0.6 %	3,168	1.2 %
Yolo	73,629	72,562	98.6 %	236	0.3 %	831	1.1 %
Yuba	25,957	20,296	78.2 %	1,670	6.4 %	3,991	15.4 %

Sources: Broadband deployment data is collected from Internet Service Providers and validated by the California Public Utilities Commission. The FCC defines broadband as Internet access services with downstream or upstream speeds greater than 200 Kbps in at least one direction. Such service is considered deployed if an ISP can provision new requests for service within 10 business days. Speeds of at least 6 Mbps downstream AND 1 Mbps upstream are considered served for purposes of the California Advanced Services Fund Infrastructure Grant Program.

Household data is based on the California Department of Finance, January 1, 2018 estimate.

<sup>1</sup>FCC CAF II CAM 4.3 model supported Census Blocks and FCC CAF II Auction 903 public results Census Blocks are considered served.

<sup>2</sup>Dial-up only service is included in the "No Service" category.



**California  
Public Utilities  
Commission**



## STATE of CALIFORNIA Wireline Broadband Deployment

Maximum Advertised Speeds

As of December 31, 2017

Consortium	All Households (CA DOF 1/1/2018)	Served Households and CAF II Areas (Speeds are at least 6 Mbps down AND 1 Mbps up <sup>1</sup> )		Unserved Households with Slow Service (Speeds less than 6 Mbps down OR 1 Mbps up)		Unserved Households with No Service (Speeds less than 200 Kbps in both directions, or no service <sup>2</sup> )	
		Number	Percent	Number	Percent	Number	Percent
<b>California</b>	<b>13,113,840</b>	<b>12,804,503</b>	<b>97.6 %</b>	<b>93,220</b>	<b>0.7 %</b>	<b>216,117</b>	<b>1.7 %</b>
Bay Area (no consortium: SF, San Mateo and Santa Clara)	1,275,290	1,257,545	98.6 %	5,476	0.4 %	12,269	1.0 %
Broadband Consortium of the Pacific Coast	529,793	518,485	97.9 %	3,730	0.7 %	7,578	1.4 %
Central Coast Broadband Consortium	241,029	226,916	94.1 %	8,668	3.6 %	5,445	2.3 %
Central Sierra Connect Consortium	63,063	60,334	95.7 %	873	1.4 %	1,856	2.9 %
Connected Capital Area BB Consortium	668,851	651,679	97.4 %	5,503	0.8 %	11,669	1.7 %
East Bay Broadband Consortium	1,117,986	1,103,917	98.7 %	3,078	0.3 %	10,991	1.0 %
Eastern Sierra Connect Regional Broadband Consortium	48,648	46,571	95.7 %	280	0.6 %	1,797	3.7 %
Gold Country BB Consortium	261,757	241,551	92.3 %	7,940	3.0 %	12,266	4.7 %
• Tahoe Basin Project <sup>3</sup>	18,725	17,533	93.6 %	754	4.0 %	438	2.3 %
Inyo / Mono Broadband Consortium <sup>4</sup>	13,741	13,577	98.8 %	20	0.1 %	144	1.0 %
Inland Empire Regional BB Consortium	1,374,167	1,352,408	98.4 %	3,263	0.2 %	18,496	1.3 %
Los Angeles County Regional Broadband Consortium	3,338,658	3,308,585	99.1 %	5,998	0.2 %	24,075	0.7 %
North Bay / North Coast Broadband Consortium	375,865	359,345	95.6 %	3,486	0.9 %	13,034	3.5 %
Northeast California Connect Consortium	229,369	206,065	89.8 %	6,312	2.8 %	16,992	7.4 %
Orange County (no consortium)	1,037,173	1,005,011	96.9 %	8,047	0.8 %	24,115	2.3 %
Redwood Coast Connect Consortium	72,676	64,857	89.2 %	1,445	2.0 %	6,374	8.8 %
San Joaquin Valley Regional Broadband Consortium	1,234,029	1,200,887	97.3 %	17,435	1.4 %	15,707	1.3 %
Southern Border Broadband Consortium	1,189,742	1,154,408	97.0 %	7,304	0.6 %	28,030	2.4 %
Upstate California Connect Consortium	42,003	32,362	77.0 %	4,362	10.4 %	5,279	12.6 %

Sources: Broadband deployment data is collected from Internet Service Providers and validated by the California Public Utilities Commission. The FCC defines broadband as Internet access services with downstream or upstream speeds greater than 200 Kbps in at least one direction. Such service is considered deployed if an ISP can provision new requests for service within 10 business days. Speeds of at least 6 Mbps downstream AND 1 Mbps upstream are considered served for purposes of the California Advanced Services Fund Infrastructure Grant Program. Household data is based on the California Department of Finance, January 1, 2018 estimate.

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<sup>2</sup>Dial-up only service is included in the "No Service" category.

<sup>3</sup>A project of the Gold Country BB Consortium. Not included in the California total. T-17550.

<sup>4</sup>Under Resolution T-17550 - ESCRBC maintains a three-county region even though responsibility for broadband development in Inyo and Mono counties is currently being managed by a sub-regional consortium, the Inyo Mono Broadband Consortium.



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**STATE of CALIFORNIA  
Wireline + Fixed Wireless Broadband  
Deployment**

**Maximum Advertised Speeds**

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County	All Households (CA DOF 1/1/2018)	Served Households and CAF II Areas (Speeds are at least 6 Mbps down AND 1 Mbps up <sup>1</sup> )		Unserved Households with Slow Service (Speeds less than 6 Mbps down OR 1 Mbps up)		Unserved Households with No Service (Speeds less than 200 Kbps in both directions, or no service <sup>2</sup> )	
		Number	Percent	Number	Percent	Number	Percent
<b>California</b>	<b>13,113,840</b>	<b>12,869,808</b>	<b>98.1 %</b>	<b>77,329</b>	<b>0.6 %</b>	<b>166,703</b>	<b>1.3 %</b>
Alameda	577,123	568,326	98.5 %	2,196	0.4 %	6,601	1.1 %
Alpine	477	462	96.9 %	0	0.0 %	15	3.1 %
Amador	14,685	14,248	97.0 %	169	1.2 %	268	1.8 %
Butte	90,962	88,383	97.2 %	509	0.6 %	2,070	2.3 %
Calaveras	18,290	17,937	98.1 %	123	0.7 %	230	1.3 %
Colusa	7,311	6,741	92.2 %	76	1.0 %	494	6.8 %
Contra Costa	392,185	389,089	99.2 %	626	0.2 %	2,470	0.6 %
Del Norte	9,743	9,016	92.5 %	10	0.1 %	717	7.4 %
El Dorado	74,265	72,754	98.0 %	759	1.0 %	752	1.0 %
Fresno	308,269	300,167	97.4 %	5,385	1.7 %	2,717	0.9 %
Glenn	10,098	8,779	86.9 %	363	3.6 %	956	9.5 %
Humboldt	56,939	54,340	95.4 %	573	1.0 %	2,026	3.6 %
Imperial	50,091	46,558	92.9 %	2,727	5.4 %	806	1.6 %
Inyo	8,094	8,075	99.8 %	18	0.2 %	1	0.0 %
Kern	270,224	266,735	98.7 %	843	0.3 %	2,646	1.0 %
Kings	43,877	41,621	94.9 %	1,762	4.0 %	494	1.1 %
Lake	24,594	19,631	79.8 %	2,992	12.2 %	1,971	8.0 %
Lassen	9,631	9,264	96.2 %	18	0.2 %	349	3.6 %
Los Angeles	3,338,658	3,312,453	99.2 %	5,185	0.2 %	21,020	0.6 %
Madera	45,217	44,830	99.1 %	26	0.1 %	361	0.8 %
Marin	104,591	103,243	98.7 %	464	0.4 %	884	0.8 %
Mariposa	7,799	7,449	95.5 %	98	1.3 %	252	3.2 %
Mendocino	35,317	30,009	85.0 %	1,022	2.9 %	4,286	12.1 %
Merced	80,044	78,519	98.1 %	1,076	1.3 %	449	0.6 %
Modoc	3,859	3,763	97.5 %	26	0.7 %	70	1.8 %
Mono	5,647	5,535	98.0 %	2	0.0 %	110	1.9 %
Monterey	126,339	118,116	93.5 %	6,350	5.0 %	1,873	1.5 %
Napa	49,281	48,134	97.7 %	225	0.5 %	922	1.9 %

Sources: Broadband deployment data is collected from Internet Service Providers and validated by the California Public Utilities Commission. The FCC defines broadband as Internet access services with downstream or upstream speeds greater than 200 Kbps in at least one direction. Such service is considered deployed if an ISP can provision new requests for service within 10 business days. Speeds of at least 6 Mbps downstream AND 1 Mbps upstream are considered served for purposes of the California Advanced Services Fund Infrastructure Grant Program.

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Wireline + Fixed Wireless Broadband  
Deployment**

**Maximum Advertised Speeds**

**As of December 31, 2017**

County	All Households (CA DOF 1/1/2018)	Served Households and CAF II Areas (Speeds are at least 6 Mbps down AND 1 Mbps up <sup>1</sup> )		Unserved Households with Slow Service (Speeds less than 6 Mbps down OR 1 Mbps up)		Unserved Households with No Service (Speeds less than 200 Kbps in both directions, or no service <sup>2</sup> )	
		Number	Percent	Number	Percent	Number	Percent
Nevada	41,647	40,615	97.5 %	318	0.8 %	714	1.7 %
Orange	1,037,173	1,005,157	96.9 %	7,901	0.8 %	24,115	2.3 %
Placer	144,074	140,323	97.4 %	2,110	1.5 %	1,641	1.1 %
Plumas	8,570	7,870	91.8 %	35	0.4 %	665	7.8 %
Riverside	729,920	719,402	98.6 %	1,190	0.2 %	9,328	1.3 %
Sacramento	537,056	529,164	98.5 %	2,553	0.5 %	5,339	1.0 %
San Benito	17,830	17,679	99.2 %	21	0.1 %	130	0.7 %
San Bernardino	644,247	636,650	98.8 %	2,291	0.4 %	5,306	0.8 %
San Diego	1,139,651	1,109,238	97.3 %	5,120	0.4 %	25,293	2.2 %
San Francisco	368,186	366,858	99.6 %	703	0.2 %	625	0.2 %
San Joaquin	228,200	224,674	98.5 %	654	0.3 %	2,872	1.3 %
San Luis Obispo	107,256	105,017	97.9 %	929	0.9 %	1,310	1.2 %
San Mateo	265,011	263,391	99.4 %	645	0.2 %	975	0.4 %
Santa Barbara	148,865	147,619	99.2 %	515	0.3 %	731	0.5 %
Santa Clara	642,093	628,146	97.8 %	3,874	0.6 %	10,073	1.6 %
Santa Cruz	96,860	94,413	97.5 %	387	0.4 %	2,060	2.1 %
Shasta	72,331	65,553	90.6 %	3,058	4.2 %	3,720	5.1 %
Sierra	1,394	698	50.1 %	206	14.8 %	490	35.2 %
Siskiyou	19,369	18,332	94.6 %	422	2.2 %	615	3.2 %
Solano	148,678	146,551	98.6 %	242	0.2 %	1,885	1.3 %
Sonoma	186,676	181,353	97.1 %	1,266	0.7 %	4,057	2.2 %
Stanislaus	169,032	167,800	99.3 %	513	0.3 %	719	0.4 %
Sutter	32,209	31,220	96.9 %	446	1.4 %	543	1.7 %
Tehama	24,647	24,406	99.0 %	163	0.7 %	78	0.3 %
Trinity	5,994	5,083	84.8 %	160	2.7 %	751	12.5 %
Tulare	137,814	130,098	94.4 %	5,753	4.2 %	1,963	1.4 %
Tuolumne	22,189	21,762	98.1 %	195	0.9 %	232	1.0 %
Ventura	273,672	269,213	98.4 %	1,302	0.5 %	3,157	1.2 %
Yolo	73,629	72,640	98.7 %	269	0.4 %	720	1.0 %
Yuba	25,957	24,706	95.2 %	465	1.8 %	786	3.0 %

Sources: Broadband deployment data is collected from Internet Service Providers and validated by the California Public Utilities Commission. The FCC defines broadband as Internet access services with downstream or upstream speeds greater than 200 Kbps in at least one direction. Such service is considered deployed if an ISP can provision new requests for service within 10 business days. Speeds of at least 6 Mbps downstream AND 1 Mbps upstream are considered served for purposes of the California Advanced Services Fund Infrastructure Grant Program.

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## STATE of CALIFORNIA Wireline + Fixed Wireless Broadband Deployment

Maximum Advertised Speeds

As of December 31, 2017

Consortium	All Households (CA DOF 1/1/2018)	Served Households and CAF II Areas (Speeds are at least 6 Mbps down AND 1 Mbps up <sup>1</sup> )		Unserved Households with Slow Service (Speeds less than 6 Mbps down OR 1 Mbps up)		Unserved Households with No Service (Speeds less than 200 Kbps in both directions, or no service <sup>2</sup> )	
		Number	Percent	Number	Percent	Number	Percent
<b>California</b>	<b>13,113,840</b>	<b>12,869,808</b>	<b>98.1 %</b>	<b>77,329</b>	<b>0.6 %</b>	<b>166,703</b>	<b>1.3 %</b>
Bay Area (no consortium: SF, San Mateo and Santa Clara)	1,275,290	1,258,395	98.7 %	5,222	0.4 %	11,673	0.9 %
Broadband Consortium of the Pacific Coast	529,793	521,849	98.5 %	2,746	0.5 %	5,198	1.0 %
Central Coast Broadband Consortium	241,029	230,208	95.5 %	6,758	2.8 %	4,063	1.7 %
Central Sierra Connect Consortium	63,063	61,495	97.5 %	585	0.9 %	983	1.6 %
Connected Capital Area BB Consortium	668,851	657,730	98.3 %	3,733	0.6 %	7,388	1.1 %
East Bay Broadband Consortium	1,117,986	1,103,966	98.7 %	3,064	0.3 %	10,956	1.0 %
Eastern Sierra Connect Regional Broadband Consortium	48,648	48,154	99.0 %	226	0.5 %	268	0.6 %
Gold Country BB Consortium	261,757	254,753	97.3 %	3,393	1.3 %	3,611	1.4 %
• Tahoe Basin Project <sup>3</sup>	18,725	17,570	93.8 %	754	4.0 %	401	2.1 %
Inyo / Mono Broadband Consortium	13,741	13,610	99.0 %	20	0.1 %	111	0.8 %
Inland Empire Regional BB Consortium	1,374,167	1,356,052	98.7 %	3,481	0.3 %	14,634	1.1 %
Los Angeles County Regional Broadband Consortium	3,338,658	3,312,453	99.2 %	5,185	0.2 %	21,020	0.6 %
North Bay / North Coast Broadband Consortium	375,865	362,739	96.5 %	2,977	0.8 %	10,149	2.7 %
Northeast California Connect Consortium	229,369	217,571	94.9 %	4,231	1.8 %	7,567	3.3 %
Orange County (no consortium)	1,037,173	1,005,157	96.9 %	7,901	0.8 %	24,115	2.3 %
Redwood Coast Connect Consortium	72,676	68,439	94.2 %	743	1.0 %	3,494	4.8 %
San Joaquin Valley Regional Broadband Consortium	1,234,029	1,206,290	97.8 %	15,786	1.3 %	11,953	1.0 %
Southern Border Broadband Consortium	1,189,742	1,155,796	97.1 %	7,847	0.7 %	26,099	2.2 %
Upstate California Connect Consortium	42,003	35,151	83.7 %	3,431	8.2 %	3,421	8.1 %

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