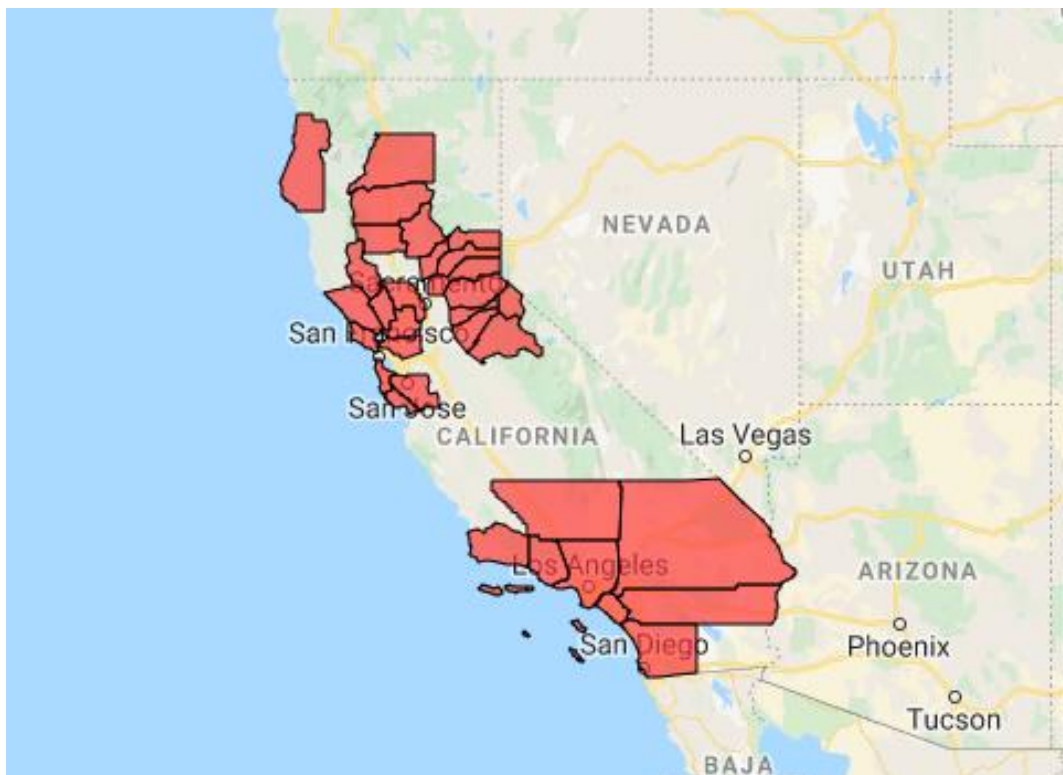


## Communications Status Report for Areas Impacted by California Public Safety Power Shutoffs October 30, 2019

The following is a report on the status of communications services in geographic areas impacted by the power shutoffs as of October 30, 2019 at 11:30 a.m. EDT. This report incorporates network outage data submitted by communications providers to the Federal Communications Commission's Disaster Information Reporting System (DIRS). DIRS is currently activated for 32 affected counties in California. Note that the operational status of communications services during the power shutoffs may evolve rapidly, and this report represents a snapshot in time.

The following counties are in the current geographic area that is part of DIRS.

**California:** Alpine, Amador, Butte, Calaveras, Contra Costa, El Dorado, Glenn, Humboldt, Kern, Lake, Los Angeles, Marin, Napa, Nevada, Orange, Placer, Riverside, San Bernardino, San Diego, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Sierra, Solano, Sonoma, Tehama, Tuolumne, Ventura, Yolo, and Yuba.



## 911 Services

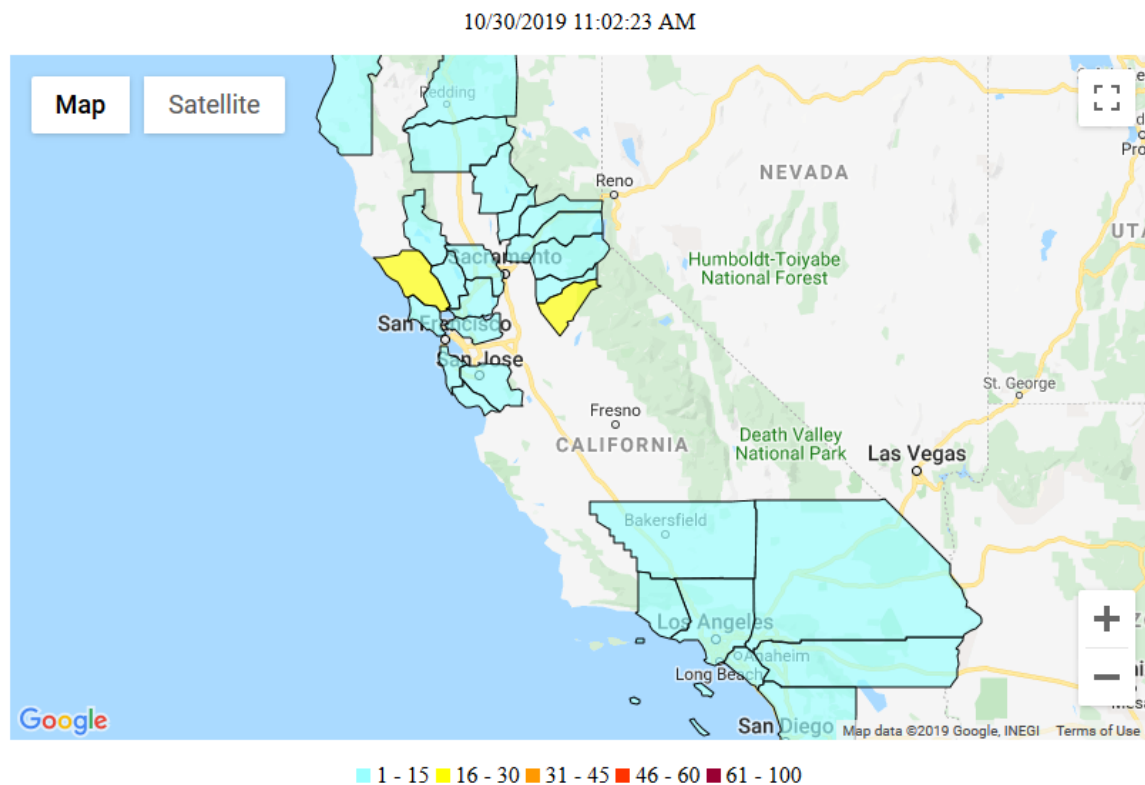
The Public Safety and Homeland Security Bureau (PSHSB) learns the status of each Public Safety Answering Point (PSAP) through the filings of 911 Service Providers in DIRS, reporting to the FCC's Public Safety Support Center, coordination with state 911 Administrators and, if necessary, direct contact with individual PSAPs.

911 calls to Fairfax Police Department, CA have been rerouted to another PSAP with location information.

## Wireless Services

The following section describes the status of wireless communications services and restoration in the affected area, including the percentage of cell sites out of service for each county.

### Percent Cell Sites Out-of-Service By County



The following tables provide cell sites out of service by county. The information shown was provided by the signatories to the Wireless Network Resiliency Framework Cooperative Agreement.

**California:**

Cell sites out of service due to the power shutoffs: 1.8% (same as yesterday)

Marin county has 5.2% (down from 35.4% yesterday) of its cell sites out of service.

State	Affected Counties	Cell Sites Served	Cell Sites Out	Percent Out	Cell Sites Out Due to Damage	Cell Sites Out Due to Transport <sup>1</sup>	Cell Sites Out Due to Power
CA	ALPINE	8	0	0.0%	0	0	0
CA	AMADOR	40	1	2.5%	0	0	1
CA	BUTTE	174	7	4.0%	0	1	5
CA	CALAVERAS	43	8	18.6%	0	1	7
CA	CONTRA COSTA	924	14	1.5%	1	4	10
CA	EL DORADO	258	16	6.2%	0	1	15
CA	GLENN	33	0	0.0%	0	0	0
CA	HUMBOLDT	188	3	1.6%	0	0	3
CA	KERN	601	6	1.0%	1	1	3
CA	LAKE	54	6	11.1%	0	0	6
CA	LOS ANGELES	7,067	47	0.7%	1	38	2
CA	MARIN	268	14	5.2%	5	1	8
CA	NAPA	128	13	10.2%	0	1	10
CA	NEVADA	123	11	8.9%	0	2	10
CA	ORANGE	3,003	133	4.4%	1	8	121
CA	PLACER	442	23	5.2%	0	4	19
CA	RIVERSIDE	1,772	4	0.2%	1	1	2
CA	SAN BERNARDINO	1,896	9	0.5%	2	0	4
CA	SAN DIEGO	3,978	13	0.3%	5	1	7
CA	SAN MATEO	830	18	2.2%	4	3	11
CA	SANTA BARBARA	340	0	0.0%	0	0	0
CA	SANTA CLARA	1,893	5	0.3%	1	1	4
CA	SANTA CRUZ	212	6	2.8%	1	2	4
CA	SHASTA	142	11	7.7%	0	2	9

<sup>1</sup> These are cell sites that are out due to issues with the (typically wireline) networks that route communications traffic to and from the cell sites.

CA	SIERRA	0	0	N/A	0	0	0
CA	SOLANO	340	20	5.9%	0	3	17
CA	SONOMA	424	70	16.5%	0	0	68
CA	TEHAMA	62	2	3.2%	0	1	1
CA	TUOLUMNE	36	0	0.0%	0	0	0
CA	VENTURA	582	8	1.4%	0	2	2
CA	YOLO	193	7	3.6%	1	5	1
CA	YUBA	66	1	1.5%	0	0	1
<b>TOTAL</b>		<b>26,120</b>	<b>476</b>	<b>1.8%</b>	<b>24</b>	<b>83</b>	<b>351</b>

The number of cell site outages in a specific area does not necessarily correspond to the availability of wireless service to consumers in that area. See Improving the Resiliency of Mobile Wireless Communications Networks, Order, 31 FCC Rcd 13745, para. 10 (2016) (recognizing the difficulties in accurately depicting the ongoing status of a wireless provider's service during emergencies). Wireless networks are often designed with numerous, overlapping cell sites that provide maximum capacity and continuity of service even when an individual site is inoperable. In addition, wireless providers frequently use temporary facilities such as cells-on-wheels (also known as COWs), increased power at operational sites, roaming agreements, or take other actions to maintain service to affected consumers during emergencies or other events that result in cell site outages.

### **Cable Systems and Wireline (Combined)**

Cable and wireline companies reported 173,058 (down from 223,973 yesterday) subscribers out of service due to the power shutoffs; this may include the loss of telephone, television, and/or Internet services.

### **Broadcast**

#### Television stations status:

25 (up from 17 yesterday) TV stations reported being operational.  
(K40JV-D, K51LK-D, KCAL-DT, KCBS-DT, KDTV-CD, KFMB-TV, KKPM-CD, KKRM-LD, KNBC, KNSD, KQRO-LD, KQSL, KQSL-LD, KRCA, KSDX-LD, KSWB-TV, KTLA, KTXL, KUAN-LD, KURK-LD, KUSI-TV, KUVS, KUVS-DT, KVEA, KYUB-LD)

No TV stations reported being out of service.

#### FM Radio stations status:

46 (up from 34 yesterday) FM radio stations reported being operational.

(K205BN, K221DQ, K225AU, K255CN, K256DA, K290CJ, KAMP-FM, KBAY, KBBL, KBUA, KBUE, KBZT, KCBS-FM, KDFC, KEBN, KEZR, KFBK-FM, KFMB-FM, KFRB, KHYL, KISQ, KJZY, KKIQ, KKLJ, KKRO, KMVS, KOSC, KPJP, KPRI, KROQ-FM, KRQB, KRTH, KSON, KTWV, KUIC, KVIP-FM, KVMR, KWFN, KWIZ, KWVE-FM, KWVF, KXSN, KYKL, KYXY, KZFX, KZST)

13 (down from 21 yesterday) FM radio stations reported being out of service.  
(K236AW, K238AF, K264AL, K265CV, K270BE, K276EK, KAWJ, KCAI, KHAP, KKDV, KLVY, KNOB, KNVE)

3 (up from 2 yesterday) FM radio stations reported being out of service with programming sent to another station.  
(KRSH, KSXY, KXTS)

AM Radio stations status:

7 (up from 5 yesterday) AM radio station reported being operational.  
(KECR, KFMB, KFRN, KIH, KNX, KVMR, KYAA)

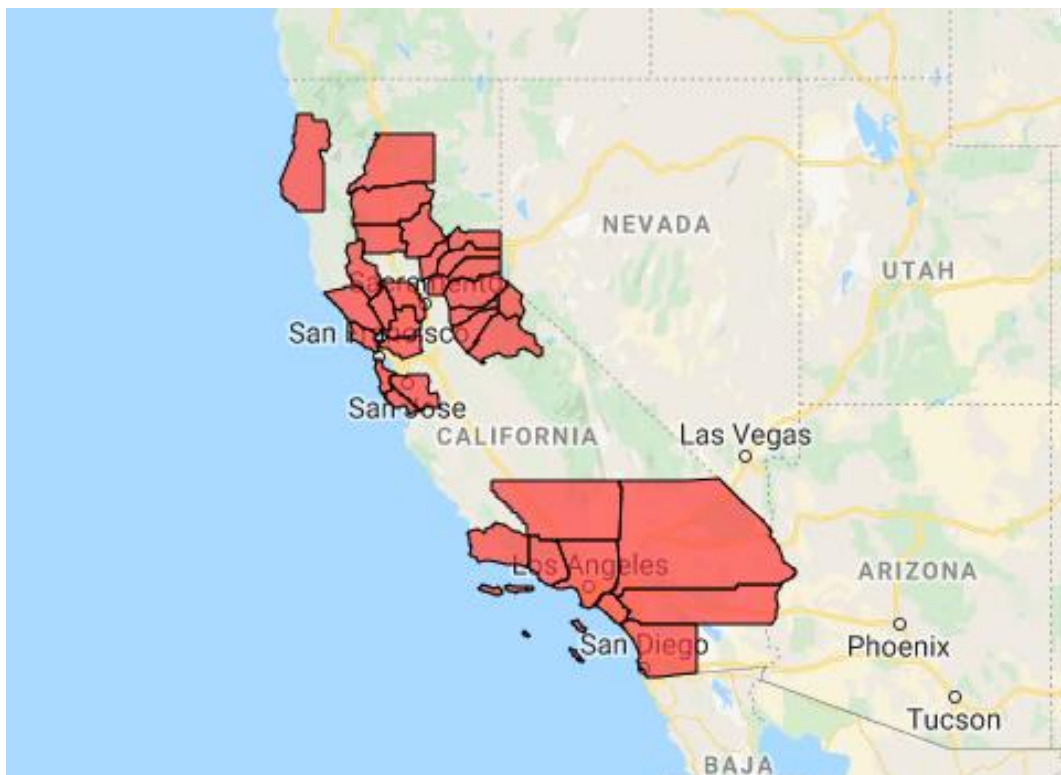
1 (down from 3 yesterday) AM radio stations reported being out of service.  
(KVIP)

## Communications Status Report for Areas Impacted by California Public Safety Power Shutoffs October 29, 2019

The following is a report on the status of communications services in geographic areas impacted by the power shutoffs as of October 29, 2019 at 11:30 a.m. EDT. This report incorporates network outage data submitted by communications providers to the Federal Communications Commission's Disaster Information Reporting System (DIRS). DIRS is currently activated for 32 affected counties in California. Note that the operational status of communications services during the power shutoffs may evolve rapidly, and this report represents a snapshot in time.

The following counties are in the current geographic area that is part of DIRS.

**California:** Alpine, Amador, Butte, Calaveras, Contra Costa, El Dorado, Glenn, Humboldt, Kern, Lake, Los Angeles, Marin, Napa, Nevada, Orange, Placer, Riverside, San Bernardino, San Diego, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Sierra, Solano, Sonoma, Tehama, Tuolumne, Ventura, Yolo, and Yuba.



## 911 Services

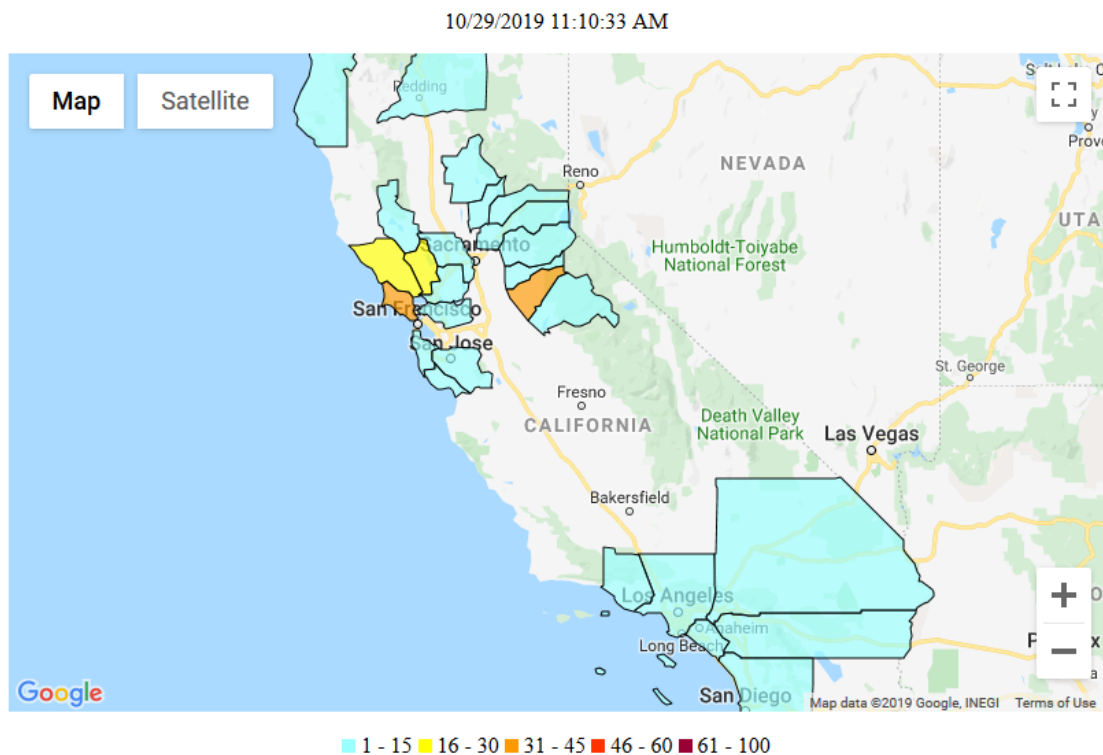
The Public Safety and Homeland Security Bureau (PSHSB) learns the status of each Public Safety Answering Point (PSAP) through the filings of 911 Service Providers in DIRS, reporting to the FCC's Public Safety Support Center, coordination with state 911 Administrators and, if necessary, direct contact with individual PSAPs.

911 calls to Fairfax Police Department, CA have been rerouted to another PSAP with location information.

## Wireless Services

The following section describes the status of wireless communications services and restoration in the affected area, including the percentage of cell sites out of service for each county.

### Percent Cell Sites Out-of-Service By County



The following tables provide cell sites out of service by county. The information shown was provided by the signatories to the Wireless Network Resiliency Framework Cooperative Agreement.

**California:**

Cell sites out of service due to the power shutoffs: 1.8% (down from 3.3% yesterday)

Marin county has 35.4% (down from 57.1% yesterday) of its cell sites out of service.

State	Affected Counties	Cell Sites Served	Cell Sites Out	Percent Out	Cell Sites Out Due to Damage	Cell Sites Out Due to Transport <sup>1</sup>	Cell Sites Out Due to Power
CA	ALPINE	8	0	0.0%	0	0	0
CA	AMADOR	40	2	5.0%	0	0	2
CA	BUTTE	174	6	3.4%	0	1	5
CA	CALAVERAS	43	14	32.6%	1	0	11
CA	CONTRA COSTA	924	35	3.8%	1	3	31
CA	EL DORADO	258	17	6.6%	0	0	15
CA	GLENN	33	0	0.0%	0	0	0
CA	HUMBOLDT	188	2	1.1%	0	0	3
CA	KERN	601	0	0.0%	0	0	0
CA	LAKE	54	7	13.0%	0	0	7
CA	LOS ANGELES	7,067	13	0.2%	2	4	6
CA	MARIN	268	95	35.4%	6	1	83
CA	NAPA	128	20	15.6%	0	1	18
CA	NEVADA	123	9	7.3%	1	2	7
CA	ORANGE	3,003	4	0.1%	1	1	2
CA	PLACER	442	22	5.0%	0	4	18
CA	RIVERSIDE	1,772	2	0.1%	0	1	1
CA	SAN BERNARDINO	1,896	5	0.3%	2	1	0
CA	SAN DIEGO	3,978	8	0.2%	5	2	1
CA	SAN MATEO	830	29	3.5%	8	3	17
CA	SANTA BARBARA	340	0	0.0%	0	0	0

<sup>1</sup> These are cell sites that are out due to issues with the (typically wireline) networks that route communications traffic to and from the cell sites.



CA	SANTA CLARA	1,893	15	0.8%	3	1	12
CA	SANTA CRUZ	212	11	5.2%	2	2	8
CA	SHASTA	142	10	7.0%	0	2	8
CA	SIERRA	0	0	N/A	0	0	0
CA	SOLANO	340	29	8.5%	0	3	26
CA	SONOMA	424	95	22.4%	2	0	91
CA	TEHAMA	62	0	0.0%	0	0	0
CA	TUOLUMNE	36	2	5.6%	1	0	1
CA	VENTURA	582	1	0.2%	0	0	1
CA	YOLO	193	9	4.7%	1	5	3
CA	YUBA	66	1	1.5%	0	0	1
<b>TOTAL</b>		<b>26,120</b>	<b>463</b>	<b>1.8%</b>	<b>36</b>	<b>37</b>	<b>378</b>

The number of cell site outages in a specific area does not necessarily correspond to the availability of wireless service to consumers in that area. See Improving the Resiliency of Mobile Wireless Communications Networks, Order, 31 FCC Rcd 13745, para. 10 (2016) (recognizing the difficulties in accurately depicting the ongoing status of a wireless provider's service during emergencies). Wireless networks are often designed with numerous, overlapping cell sites that provide maximum capacity and continuity of service even when an individual site is inoperable. In addition, wireless providers frequently use temporary facilities such as cells-on-wheels (also known as COWs), increased power at operational sites, roaming agreements, or take other actions to maintain service to affected consumers during emergencies or other events that result in cell site outages.

### **Cable Systems and Wireline (Combined)**

Cable and wireline companies reported 223,973 (down from 454,722 yesterday) subscribers out of service due to the power shutoffs; this may include the loss of telephone, television, and/or Internet services.

### **Broadcast**

#### Television stations status:

17 (up from 14 yesterday) TV stations reported being operational.  
(K40JV-D, KCAL-DT, KCBS-DT, KDTV-CD, KFMB-TV, KNBC, KNSD, KRCA, KSDX-LD, KSWB-TV, KTLA, KTXL, KUAN-LD, KUSI-TV, KUVS, KUVS-DT, KVEA)

No TV stations reported being out of service.

FM Radio stations status:

34 (up from 31 yesterday) FM radio stations reported being operational.  
(K256DA, KAMP-FM, KBBL, KBUA, KBUE, KBZT, KCBS-FM, KDFC, KEBN, KFBK-FM, KFMB-FM, KFRB, KHYL, KISQ, KJZY, KKLJ, KKRO, KOSC, KPRI, KROQ-FM, KRQB, KRTH, KSON, KTWV, KVIP-FM, KVMR, KWFN, KWIZ, KWVE-FM, KWVF, KXSN, KYXY, KZFX, KZST)

21 (up from 4 yesterday) FM radio stations reported being out of service.  
(K205BN, K221DQ, K225AU, K236AW, K238AF, K255CN, K264AL, K265CV, K270BE, K276EK, K290CJ, KAWJ, KCAI, KHAP, KLVY, KMVS, KNOB, KNVE, KPJP, KSXY, KYKL)

2 FM radio stations (same as yesterday) reported being out of service with programming sent to another station.  
(KRSH, KXTS)

AM Radio stations status:

5 (up from 4 yesterday) AM radio station reported being operational.  
(KECR, KFMB, KFRN, KNX, KVMR)

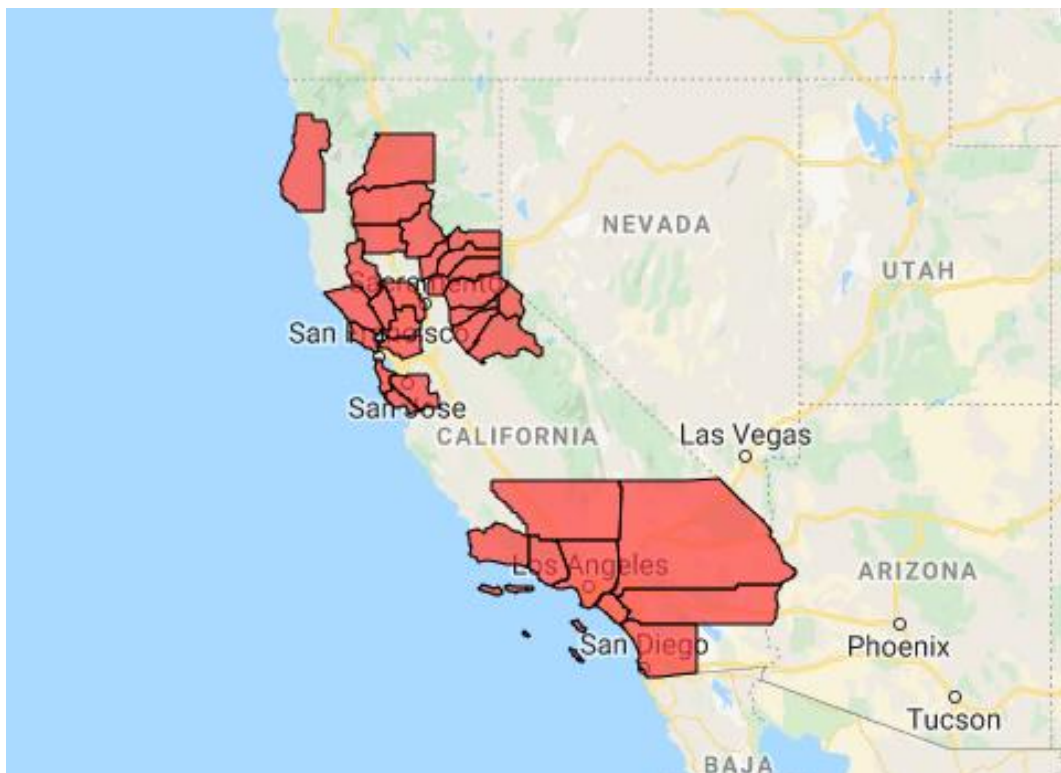
3 (up from 2 yesterday) AM radio stations reported being out of service.  
(KIHG, KVIP, KYAA)

## Communications Status Report for Areas Impacted by California Public Safety Power Shutoffs October 28, 2019

The following is a report on the status of communications services in geographic areas impacted by the power shutoffs as of October 28, 2019 at 11:30 a.m. EDT. This report incorporates network outage data submitted by communications providers to the Federal Communications Commission's Disaster Information Reporting System (DIRS). DIRS is currently activated for 32 affected counties in California. Note that the operational status of communications services during the power shutoffs may evolve rapidly, and this report represents a snapshot in time.

The following counties are in the current geographic area that is part of DIRS.

**California:** Alpine, Amador, Butte, Calaveras, Contra Costa, El Dorado, Glenn, Humboldt, Kern, Lake, Los Angeles, Marin, Napa, Nevada, Orange, Placer, Riverside, San Bernardino, San Diego, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Sierra, Solano, Sonoma, Tehama, Tuolumne, Ventura, Yolo, and Yuba.



The Public Safety and Homeland Security Bureau (PSHSB) learns the status of each Public Safety Answering Point (PSAP) through the filings of 911 Service Providers in DIRS, reporting to the FCC's Public Safety Support Center, coordination with state 911 Administrators and, if necessary, direct contact with individual PSAPs.

## Wireless Services

## Percent Cell Sites Out-of-Service By County

Map data ©2019 Google, INEGI Terms of Use

1 - 15 16 - 30 31 - 45 46 - 60 61 - 100

The following tables provide cell sites out of service by county. The information shown was provided by the signatories to the Wireless Network Resiliency Framework Cooperative Agreement.

**California:**

Cell sites out of service due to the power shutoffs: 3.3% (up from 2.4% yesterday)

Marin county has 57.1% (up from 49.6% yesterday) of its cell sites out of service.

State	Affected Counties	Cell Sites Served	Cell Sites Out	Percent Out	Cell Sites Out Due to Damage	Cell Sites Out Due to Transport <sup>1</sup>	Cell Sites Out Due to Power
CA	ALPINE	8	1	12.5%	0	0	0
CA	AMADOR	41	3	7.3%	0	1	3
CA	BUTTE	175	9	5.1%	0	2	8
CA	CALAVERAS	44	17	38.6%	1	3	12
CA	CONTRA COSTA	933	108	11.6%	5	14	88
CA	EL DORADO	258	38	14.7%	0	1	36
CA	GLENN	33	1	3.0%	0	0	0
CA	HUMBOLDT	188	44	23.4%	3	5	37
CA	KERN	600	1	0.2%	0	0	1
CA	LAKE	55	14	25.5%	0	3	11
CA	LOS ANGELES	7,061	16	0.2%	2	4	8
CA	MARIN	280	160	57.1%	9	7	134
CA	NAPA	130	25	19.2%	0	1	23
CA	NEVADA	123	13	10.6%	0	2	11
CA	ORANGE	3,001	3	0.1%	1	0	2
CA	PLACER	446	28	6.3%	2	5	20
CA	RIVERSIDE	1,771	3	0.2%	1	1	1
CA	SAN BERNARDINO	1,896	4	0.2%	3	1	0
CA	SAN DIEGO	3,975	5	0.1%	3	1	1
CA	SAN MATEO	845	96	11.4%	13	14	64
CA	SANTA BARBARA	339	0	0.0%	0	0	0

<sup>1</sup> These are cell sites that are out due to issues with the (typically wireline) networks that route communications traffic to and from the cell sites.

CA	SANTA CLARA	1,893	39	2.1%	3	3	34
CA	SANTA CRUZ	213	48	22.5%	5	6	36
CA	SHASTA	143	15	10.5%	0	4	10
CA	SIERRA	0	0	N/A	0	0	0
CA	SOLANO	342	40	11.7%	0	4	35
CA	SONOMA	436	118	27.1%	5	3	109
CA	TEHAMA	63	8	12.7%	0	1	7
CA	TUOLUMNE	36	5	13.9%	2	0	3
CA	VENTURA	582	4	0.7%	0	2	2
CA	YOLO	193	7	3.6%	2	0	5
CA	YUBA	66	1	1.5%	0	0	1
<b>TOTAL</b>		<b>26,169</b>	<b>874</b>	<b>3.3%</b>	<b>60</b>	<b>88</b>	<b>702</b>

The number of cell site outages in a specific area does not necessarily correspond to the availability of wireless service to consumers in that area. See Improving the Resiliency of Mobile Wireless Communications Networks, Order, 31 FCC Rcd 13745, para. 10 (2016) (recognizing the difficulties in accurately depicting the ongoing status of a wireless provider's service during emergencies). Wireless networks are often designed with numerous, overlapping cell sites that provide maximum capacity and continuity of service even when an individual site is inoperable. In addition, wireless providers frequently use temporary facilities such as cells-on-wheels (also known as COWs), increased power at operational sites, roaming agreements, or take other actions to maintain service to affected consumers during emergencies or other events that result in cell site outages.

#### **Cable Systems and Wireline (Combined)**

Cable and wireline companies reported 454,722 (up from 393,735 yesterday) subscribers out of service due to the power shutoffs; this may include the loss of telephone, television, and/or Internet services.

#### **Broadcast**

##### Television stations status:

14 TV stations reported being operational.  
(KCAL-DT, KCBS-DT, KDTV-CD, KFMB-TV, KNBC, KNSD, KRCA, KSDX-LD, KSWB-TV, KTLA, KUAN-LD, KUSI-TV, KUVS-DT, KVEA)

No TV stations reported being out of service.

FM Radio stations status:

31 FM radio stations reported being operational.

(K256DA, KAMP-FM, KBBL, KBUA, KBUE, KBZT, KCBS-FM, KDFC, KEBN, KFBK-FM, KFMB-FM, KHAP, KHYL, KISQ, KJZY, KOSC, KPRI, KROQ-FM, KRQB, KRTH, KSON, KTWV, KVMR, KWFN, KWIZ, KWVE-FM, KWVF, KXSN, KYXY, KZFX, KZST)

4 FM radio stations reported being out of service.

(K238AF, KKLJ, KNOB, KSXY)

2 FM radio stations reported being out of service with programming sent to another station.

(KRSH, KXTS)

AM Radio stations status:

4 AM radio station reported being operational.

(KECR, KFMB, KNX, KVNR)

2 AM radio stations reported being out of service.

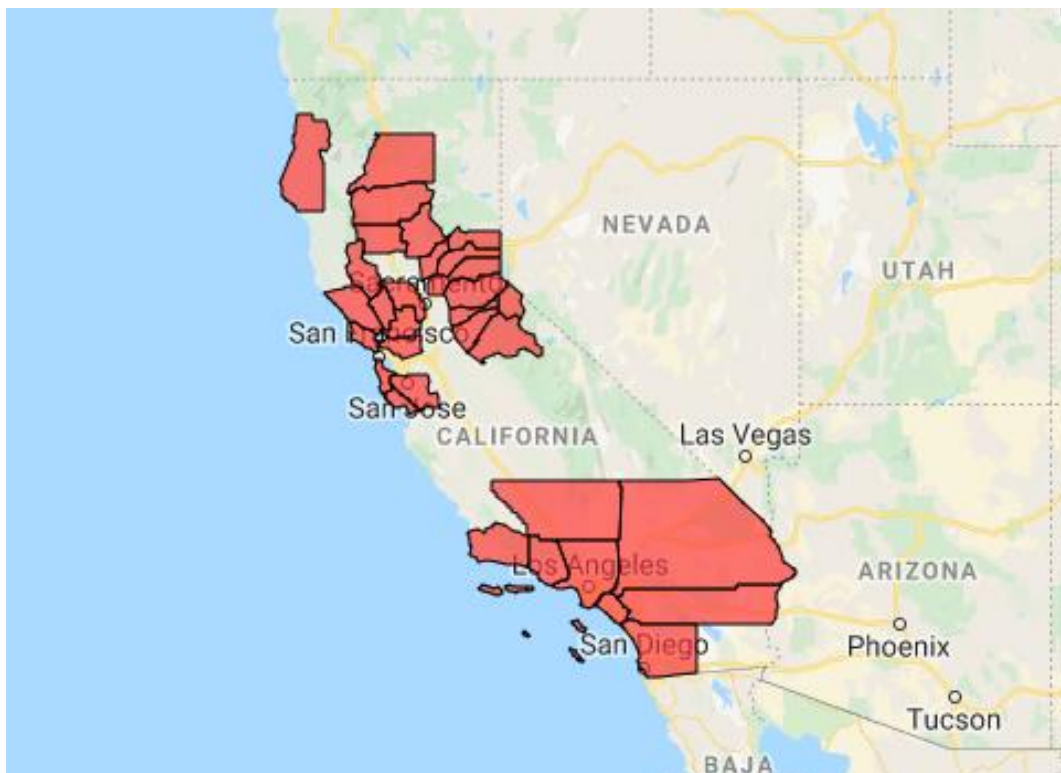
(KIHG, KYAA)

## Communications Status Report for Areas Impacted by California Public Safety Power Shutoffs October 27, 2019

The following is a report on the status of communications services in geographic areas impacted by the power shutoffs as of October 27, 2019 at 11:30 a.m. EDT. This report incorporates network outage data submitted by communications providers to the Federal Communications Commission's Disaster Information Reporting System (DIRS). DIRS is currently activated for 32 affected counties in California. Note that the operational status of communications services during the power shutoffs may evolve rapidly, and this report represents a snapshot in time.

The following counties are in the current geographic area that is part of DIRS.

**California:** Alpine, Amador, Butte, Calaveras, Contra Costa, El Dorado, Glenn, Humboldt, Kern, Lake, Los Angeles, Marin, Napa, Nevada, Orange, Placer, Riverside, San Bernardino, San Diego, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Sierra, Solano, Sonoma, Tehama, Tuolumne, Ventura, Yolo, and Yuba.





## 911 Services

The Public Safety and Homeland Security Bureau (PSHSB) learns the status of each Public Safety Answering Point (PSAP) through the filings of 911 Service Providers in DIRS, reporting to the FCC's Public Safety Support Center, coordination with state 911 Administrators and, if necessary, direct contact with individual PSAPs.

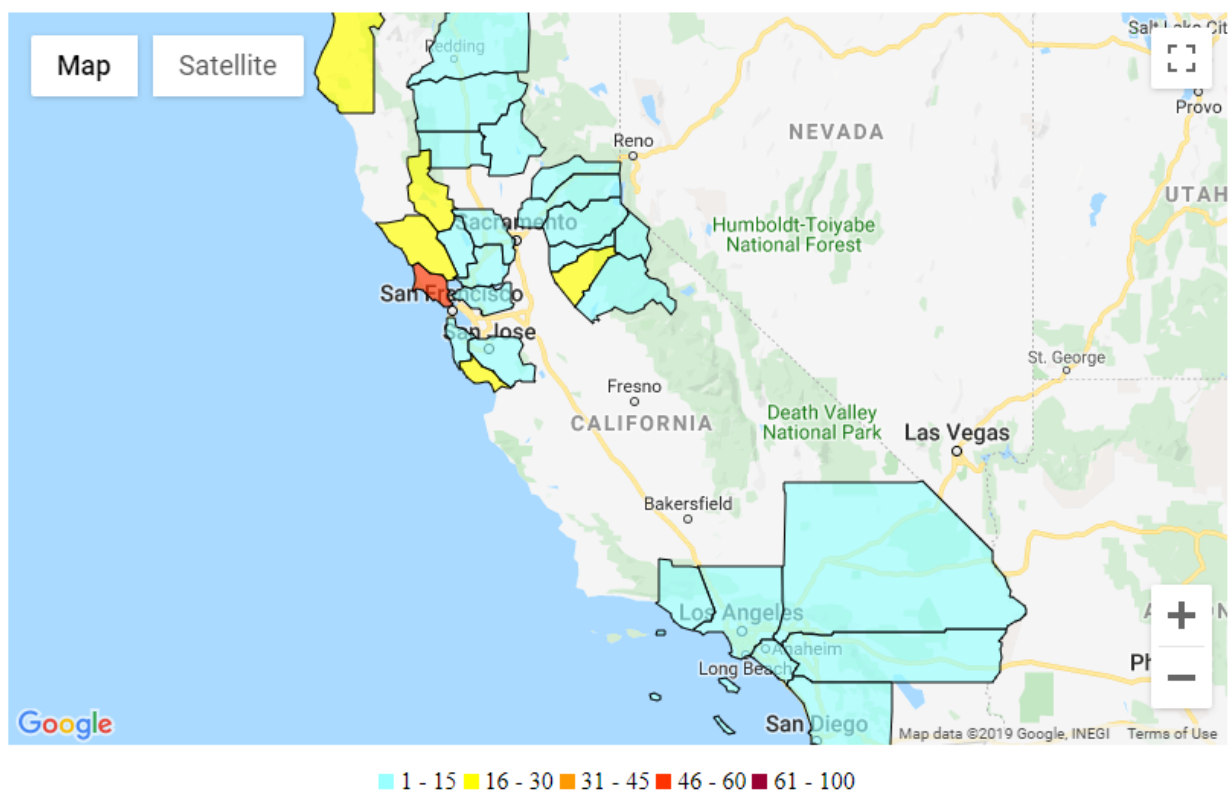
There are no outages affecting PSAPs in the disaster area.

## Wireless Services

The following section describes the status of wireless communications services and restoration in the affected area, including the percentage of cell sites out of service for each county.

# Percent Cell Sites Out-of-Service By County

10/27/2019 11:09:56 AM



The following tables provide cell sites out of service by county. The information shown was provided by the signatories to the Wireless Network Resiliency Framework Cooperative Agreement.

**California:**

Cell sites out of service due to the power shutoffs: 2.4%

Marin county has 49.6% of its cell sites out of service.

State	Affected Counties	Cell Sites Served	Cell Sites Out	Percent Out	Cell Sites Out Due to Damage	Cell Sites Out Due to Transport <sup>1</sup>	Cell Sites Out Due to Power
CA	ALPINE	8	1	12.5%	0	0	0
CA	AMADOR	40	2	5.0%	0	1	2
CA	BUTTE	174	3	1.7%	0	1	2
CA	CALAVERAS	43	8	18.6%	2	1	4
CA	CONTRA COSTA	928	81	8.7%	6	26	48
CA	EL DORADO	259	16	6.2%	0	1	14
CA	GLENN	33	1	3.0%	0	0	0
CA	HUMBOLDT	299	45	15.1%	10	18	18
CA	KERN	600	0	0.0%	0	0	0
CA	LAKE	57	11	19.3%	0	2	9
CA	LOS ANGELES	7,056	16	0.2%	1	3	5
CA	MARIN	270	134	49.6%	9	10	105
CA	NAPA	129	13	10.1%	0	2	10
CA	NEVADA	123	8	6.5%	0	1	7
CA	ORANGE	2,999	3	0.1%	1	0	2
CA	PLACER	446	16	3.6%	2	6	7
CA	RIVERSIDE	1,770	2	0.1%	1	0	1
CA	SAN BERNARDINO	1,609	2	0.1%	2	0	0
CA	SAN DIEGO	3,969	5	0.1%	3	0	2
CA	SAN MATEO	839	78	9.3%	25	17	31
CA	SANTA BARBARA	339	0	0.0%	0	0	0

<sup>1</sup> These are cell sites that are out due to issues with the (typically wireline) networks that route communications traffic to and from the cell sites.

CA	SANTA CLARA	1,891	30	1.6%	3	10	18
CA	SANTA CRUZ	213	35	16.4%	7	6	21
CA	SHASTA	143	10	7.0%	1	3	5
CA	SIERRA	0	0	0.0%	0	0	0
CA	SOLANO	342	24	7.0%	1	8	14
CA	SONOMA	427	73	17.1%	2	3	67
CA	TEHAMA	63	2	3.2%	0	0	2
CA	TUOLUMNE	36	3	8.3%	1	0	2
CA	VENTURA	580	2	0.3%	0	1	1
CA	YOLO	152	6	3.9%	2	0	4
CA	YUBA	56	0	0.0%	0	0	0
<b>TOTAL</b>		<b>25,893</b>	<b>630</b>	<b>2.4%</b>	<b>79</b>	<b>120</b>	<b>401</b>

The number of cell site outages in a specific area does not necessarily correspond to the availability of wireless service to consumers in that area. See Improving the Resiliency of Mobile Wireless Communications Networks, Order, 31 FCC Rcd 13745, para. 10 (2016) (recognizing the difficulties in accurately depicting the ongoing status of a wireless provider's service during emergencies). Wireless networks are often designed with numerous, overlapping cell sites that provide maximum capacity and continuity of service even when an individual site is inoperable. In addition, wireless providers frequently use temporary facilities such as cells-on-wheels (also known as COWs), increased power at operational sites, roaming agreements, or take other actions to maintain service to affected consumers during emergencies or other events that result in cell site outages.

#### **Cable Systems and Wireline (Combined)**

Cable and wireline companies reported 393,735 subscribers out of service due to the power shutoffs; this may include the loss of telephone, television, and/or Internet services.

#### **Broadcast**

##### Television stations status:

12 TV stations reported being operational.  
(KCAL-DT, KCBS-DT, KDTV-CD, KFMB-TV, KNSD, KRCA, KSDX-LD, KSWB-TV, KTLA, KUAN-LD, KUSI-TV, KUVS-DT)

No TV stations reported being out of service.

FM Radio stations status:

28 FM radio stations reported being operational.

(K256DA, KAMP-FM, KBBL, KBUA, KBUE, KBZT, KCBS-FM, KEBN, KFBK-FM, KFMB-FM, KHAP, KHYL, KJZY, KPRI, KROQ-FM, KRQB, KRTH, KSON, KTWV, KVMR, KWFN, KWIZ, KWVE-FM, KWVF, KXSN, KYXY, KZFX, KZST)

4 FM radio stations reported being out of service.

(K238AF, KKLJ, KNOB, KSXY)

2 FM radio stations reported being out of service with programming sent to another station.

(KRSH, KXTS)

AM Radio stations status:

4 AM radio station reported being operational.

(KECR, KFMB, KNX, KVNR)

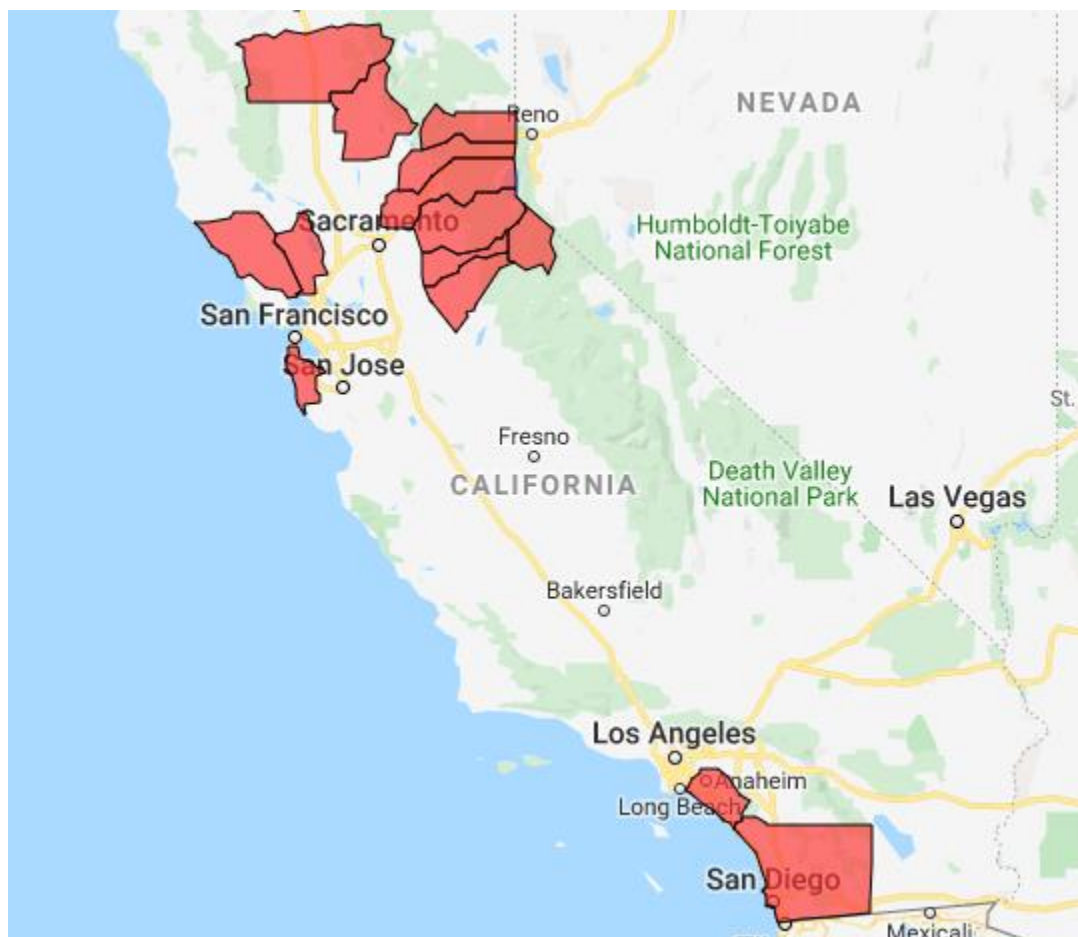
No AM radio stations reported being out of service

## Communications Status Report for Areas Impacted by California Public Safety Power Shutoffs October 26, 2019

The following is a report on the status of communications services in geographic areas impacted by the power shutoffs as of October 26, 2019 at 11:30 a.m. EDT. This report incorporates network outage data submitted by communications providers to the Federal Communications Commission's Disaster Information Reporting System (DIRS). DIRS is currently activated for 14 affected counties in California. Note that the operational status of communications services during the power shutoffs may evolve rapidly, and this report represents a snapshot in time.

The following counties are in the current geographic area that is part of DIRS.

**California:** Alpine, Amador, Butte, Calaveras, El Dorado, Napa, Nevada, Orange, Placer, San Diego, San Mateo, Sierra, Sonoma and Tehama



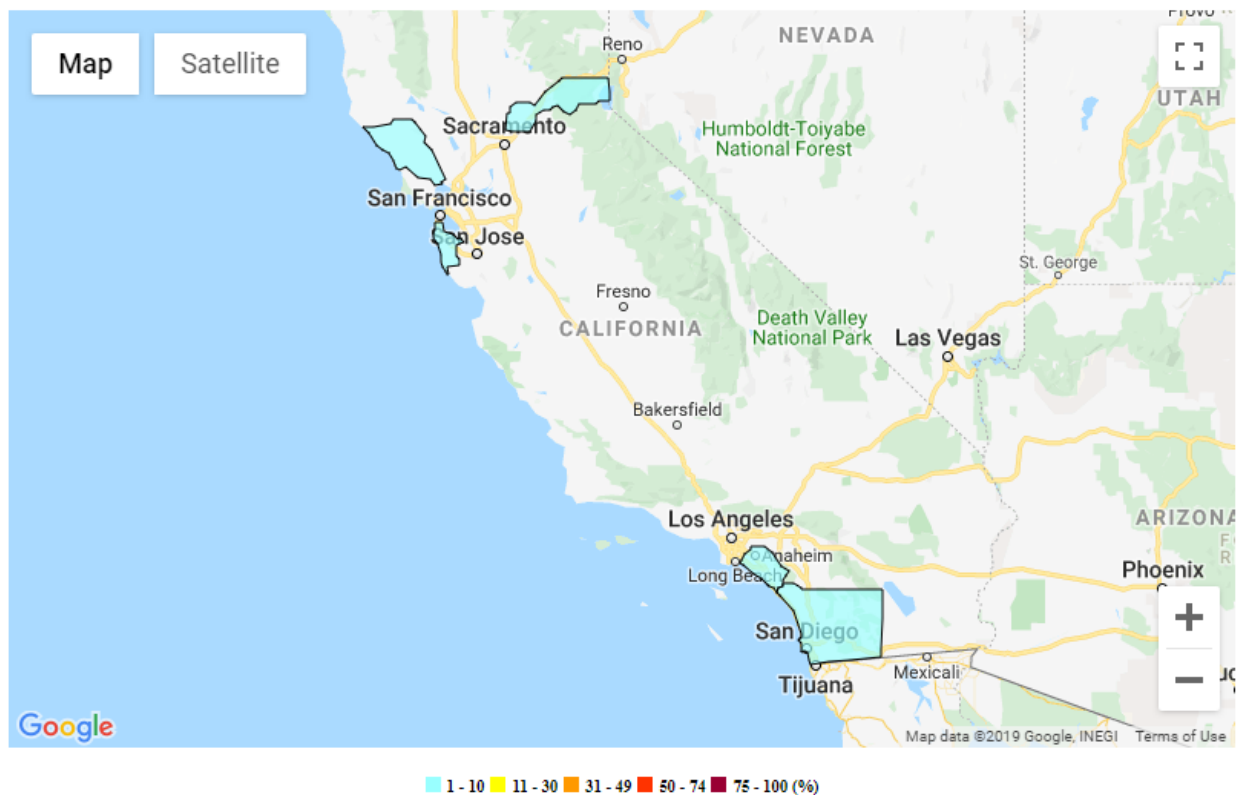
## 911 Services

The Public Safety and Homeland Security Bureau (PSHSB) learns the status of each Public Safety Answering Point (PSAP) through the filings of 911 Service Providers in DIRS, reporting to the FCC's Public Safety Support Center, coordination with state 911 Administrators and, if necessary, direct contact with individual PSAPs.

There are no outages affecting PSAPs in the disaster area.

## Wireless Services

The following section describes the status of wireless communications services and restoration in the affected area, including the percentage of cell sites out of service for each county.



The following tables provide cell sites out of service by county. The information shown was provided by the signatories to the Wireless Network Resiliency Framework Cooperative Agreement.

**California:**

Cell sites out of service due to the power shutoffs: 0.3% (down from 0.5% yesterday)

State	Affected Counties	Cell Sites Served	Cell Sites Out	Percent Out	Cell Sites Out Due to Damage	Cell Sites Out Due to Transport <sup>1</sup>	Cell Sites Out Due to Power
CA	ALPINE	8	0	0.0%	0	0	0
CA	AMADOR	40	0	0.0%	0	0	0
CA	BUTTE	174	0	0.0%	0	0	0
CA	CALAVERAS	43	0	0.0%	0	0	0
CA	EL DORADO	258	0	0.0%	0	0	0
CA	NAPA	127	0	0.0%	0	0	0
CA	NEVADA	121	0	0.0%	0	0	0
CA	ORANGE	2,999	10	0.3%	1	3	6
CA	PLACER	444	4	0.9%	2	1	1
CA	SAN DIEGO	3,967	12	0.3%	4	1	7
CA	SAN MATEO	832	4	0.5%	3	1	0
CA	SIERRA	0	0	N/A	0	0	0
CA	SONOMA	423	2	0.5%	0	0	2
CA	TEHAMA	62	0	0.0%	0	0	0
<b>TOTAL</b>		<b>9,498</b>	<b>32</b>	<b>0.3%</b>	<b>10</b>	<b>6</b>	<b>16</b>

The number of cell site outages in a specific area does not necessarily correspond to the availability of wireless service to consumers in that area. See Improving the Resiliency of Mobile Wireless Communications Networks, Order, 31 FCC Rcd 13745, para. 10 (2016) (recognizing the difficulties in accurately depicting the ongoing status of a wireless provider's service during emergencies). Wireless networks are often designed with numerous, overlapping cell sites that provide maximum capacity and continuity of service even when an individual site is inoperable. In addition, wireless providers frequently use temporary facilities such as cells-on-wheels (also known as COWs), increased power at operational sites, roaming agreements, or take other actions to maintain service to affected consumers during emergencies or other events that result in cell site outages.

<sup>1</sup> These are cell sites that are out due to issues with the (typically wireline) networks that route communications traffic to and from the cell sites.

## **Cable Systems and Wireline (Combined)**

Cable and wireline companies reported 1,427 (down from 11,476 yesterday) subscribers out of service due to the power shutoffs; this may include the loss of telephone, television, and/or Internet services.

## **Broadcast**

### Television stations status:

10 TV stations reported being operational.

(KCAL-DT, KCBS-DT, KDTV-CD, KFMB-TV, KNSD, KSDX-LD, KSWB-TV, KUAN-LD, KUSI-TV, KUVS-DT)

No TV stations reported being out of service.

### FM Radio stations status:

17 FM radio stations reported being operational.

(K256DA, KBBL, KBZT, KEBN, KFMB-FM, KHAP, KJZY, KPRI, KSON, KVMR, KWFN, KWIZ, KWVE-FM, KWVF, KXSN, KYXY, KZST)

4 FM radio stations reported being out of service.

(K238AF, KKLJ, KNOB, KSXY)

2 FM radio stations reported being out of service with programming sent to another station.

(KRSH, KXTS)

### AM Radio stations status:

3 AM radio station reported being operational.

(KECR, KFMB, KVMR)

No AM radio stations reported being out of service



## Communications Status Report for Areas Impacted by California Public Safety Power Shutoffs October 25, 2019

The following is a report on the status of communications services in geographic areas impacted by the power shutoffs as of October 25, 2019 at 11:30 a.m. EDT. This report incorporates network outage data submitted by communications providers to the Federal Communications Commission's Disaster Information Reporting System (DIRS). DIRS is currently activated for 14 affected counties in California. Note that the operational status of communications services during the power shutoffs may evolve rapidly, and this report represents a snapshot in time.

The following counties are in the current geographic area that is part of DIRS.

**California:** Alpine, Amador, Butte, Calaveras, El Dorado, Napa, Nevada, Orange, Placer, San Diego, San Mateo, Sierra, Sonoma and Tehama



## 911 Services

The Public Safety and Homeland Security Bureau (PSHSB) learns the status of each Public Safety Answering Point (PSAP) through the filings of 911 Service Providers in DIRS, reporting to the FCC's Public Safety Support Center, coordination with state 911 Administrators and, if necessary, direct contact with individual PSAPs.

There are no outages affecting PSAPs in the disaster area.

## Wireless Services

The following section describes the status of wireless communications services and restoration in the affected area, including the percentage of cell sites out of service for each county.



The following tables provide cell sites out of service by county. The information shown was provided by the signatories to the Wireless Network Resiliency Framework Cooperative Agreement.

### California:

Cell sites out of service due to the power shutoffs: 0.5%

State	Affected Counties	Cell Sites Served	Cell Sites Out	Percent Out	Cell Sites Out Due to Damage	Cell Sites Out Due to Transport <sup>1</sup>	Cell Sites Out Due to Power
CA	ALPINE	8	0	0.0%	0	0	0
CA	AMADOR	41	0	0.0%	0	0	0
CA	BUTTE	174	1	0.6%	0	1	0
CA	CALAVERAS	43	0	0.0%	0	0	0
CA	EL DORADO	258	0	0.0%	0	0	0
CA	NAPA	126	0	0.0%	0	0	0
CA	NEVADA	122	0	0.0%	0	0	0
CA	ORANGE	2,993	11	0.4%	4	3	2
CA	PLACER	442	3	0.7%	0	2	0
CA	SAN DIEGO	3,956	25	0.6%	7	6	12
CA	SAN MATEO	830	4	0.5%	3	1	0
CA	SIERRA	0	0	0.0%	0	0	0
CA	SONOMA	427	7	1.6%	0	0	7
CA	TEHAMA	62	0	0.0%	0	0	0
<b>TOTAL</b>		<b>9,482</b>	<b>51</b>	<b>0.5%</b>	<b>14</b>	<b>13</b>	<b>21</b>

The number of cell site outages in a specific area does not necessarily correspond to the availability of wireless service to consumers in that area. See Improving the Resiliency of Mobile Wireless Communications Networks, Order, 31 FCC Rcd 13745, para. 10 (2016) (recognizing the difficulties in accurately depicting the ongoing status of a wireless provider's service during emergencies). Wireless networks are often designed with numerous, overlapping cell sites that provide maximum capacity and continuity of service even when an individual site is inoperable. In addition, wireless providers frequently use temporary facilities such as cells-on-wheels (also known as COWs), increased power at operational sites, roaming agreements, or take other actions to maintain service to affected consumers during emergencies or other events that result in cell site outages.

#### **Cable Systems and Wireline (Combined)**

Cable and wireline companies reported 11,476 subscribers out of service due to the power shutoffs; this may include the loss of telephone, television, and/or Internet services.

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<sup>1</sup> These are cell sites that are out due to issues with the (typically wireline) networks that route communications traffic to and from the cell sites.

## **Broadcast**

### Television stations status:

9 TV stations reported being operational.

(KCAL-DT, KCBS-DT, KDTV-CD, KNSD, KSDX-LD, KSWB-TV, KUAN-LD, KUSI-TV, KUVS-DT)

No TV stations reported being out of service.

### FM Radio stations status:

14 FM radio stations reported being operational.

(K256DA, KBBL, KBZT, KEBN, KJZY, KSON, KVMR, KWFN, KWIZ, KWVE-FM, KWVF, KXSN, KYXY, KZST)

4 FM radio stations reported being out of service.

(KNOB, KRSH, KSXY, KXTS)

### AM Radio stations status:

1 AM radio station reported being operational.

(KVNR)

No AM stations reported being out of service.