



Communications Status Report for Areas Impacted by Hurricane Maria October 5, 2017

The following is a report on the status of communications services in geographic areas impacted by Hurricane Maria as of October 05, 2017 at 11:00 AM 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 all counties in Puerto Rico and the U.S. Virgin Islands. Note that the operational status of communications services during a disaster may evolve rapidly, and this report represents a snapshot in time. It should also be noted that some communications providers have not yet reported in DIRS, so outage information almost certainly is not complete.

The following counties are in the geographic area that was covered by the DIRS activation as of this morning (the "disaster area").

Puerto Rico: Adjuntas, Aguada, Aguadilla, Aguas Buenas, Aibonito, Anasco, Arecibo, Arroyo, Barceloneta, Barranquitas, Bayamon, Cabo Rojo, Caguas, Camuy, Canovanas, Carolina, Catano, Cayey, Ceiba, Ciales, Cidra, Coamo, Comerio, Corozal, Culebra, Dorado, Fajardo, Florida, Guanica, Guayama, Guayanilla, Guaynabo, Gurabo, Hatillo, Hormigueros, Humacao, Isabela, Jayuya, Juana Diaz, Juncos, Lajas, Lares, Las Marias, Las Piedras, Loiza, Luquillo, Manati, Maricao, Maunabo, Mayaguez, Moca, Morovis, Naguabo, Naranjito, Orocovis, Patillas, Penuelas, Ponce, Quebradillas, Rincon, Rio Grande, Sabana Grande, Salinas, San German, San Juan, San Lorenzo, San Sebastian, Santa Isabel, Toa Alta, Toa Baja, Trujillo Alto, Utuado, Vega Alta, Vega Baja, Vieques, Villalba, Yabucoa and Yauco

U.S. Virgin Islands: St. Croix, St. John, St. Thomas

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 (PSSC), coordination with state 911 Administrators, and, if necessary, from individual PSAPs.

The main PSAP in Puerto Rico is offline. 911 calls are being sent to the other (back-up) PSAP in Puerto Rico, according to the primary service provider. In the U.S. Virgin Islands, the St. Croix 9-1-1 Call Center has been restored to operational status. Both the St. Croix and the St. Thomas 9-1-1 Call Center are reported as operational but unable to retrieve Phase I and Phase II location information for wireless callers and ANI/ALI for VoIP Callers.

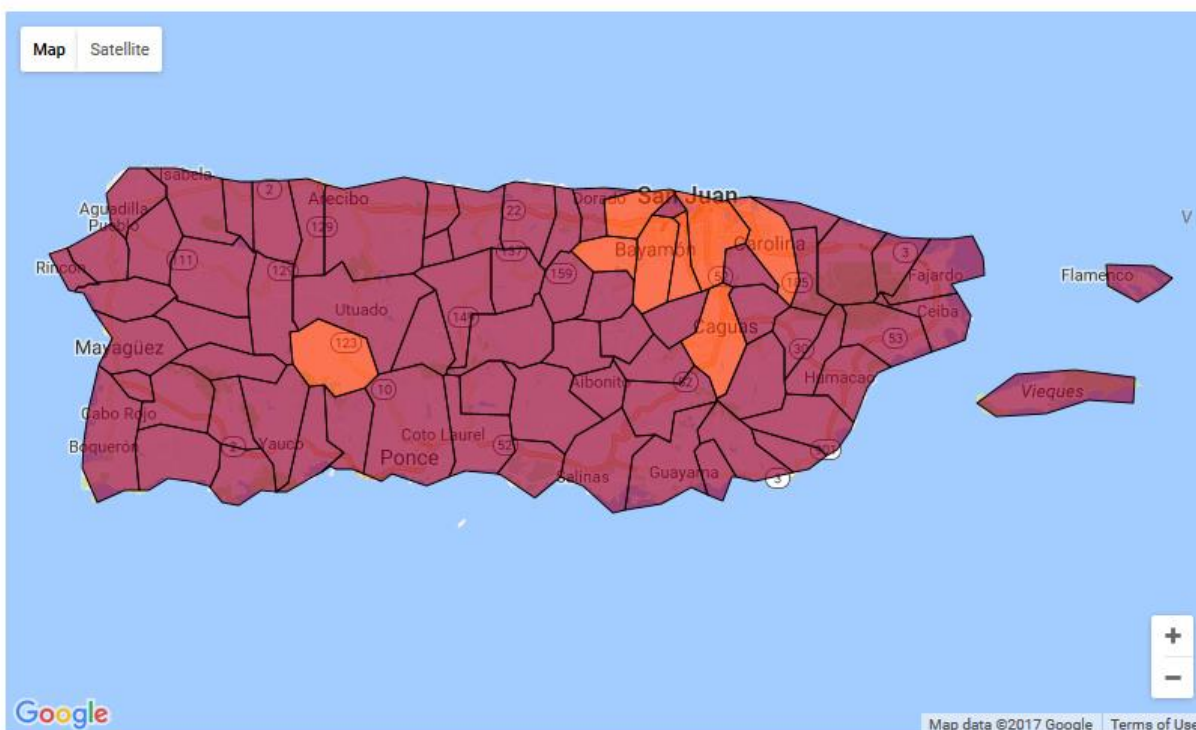
Wireless Services

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

The following map of the disaster area illustrates which counties in Puerto Rico are most affected:

Percent Cell Sites Out-of-Service By County

10/5/2017 11:20:29 AM



■ 1 - 20 ■ 21 - 40 ■ 41 - 60 ■ 61 - 80 ■ 81 - 100

The information shown was provided by the signatories to the Wireless Resiliency Cooperative Framework and several additional companies that agreed to allow us to include their data in the aggregated data:

Puerto Rico: Overall, 84.6% (slightly down from 86.3% yesterday) of cell sites are out of service. All counties in Puerto Rico, except Bayamón, Carolina, Guaynabo, San Juan, and Toa Baja, have greater than 75% of their cell sites out of service. 24 (down from 27 yesterday) out of the 78



counties in Puerto Rico have 100% of their cell sites out of service. Wireless communications providers are deploying to Puerto Rico Cell Sites on Wheels and Cell Sites on Light Trucks.

U.S. Virgin Islands: Overall, 60.3% (down from 66.0% yesterday) of cell sites are out of service. 100% of cell sites in St. John are still out of service.

The tables below provide the percentage of cell sites out of service by county per state or territory. Counties highlighted in red have 100% of their cell sites out of service.

Puerto Rico:

State	Affected Counties	Cell Sites Served	Cell Sites Out	Percent Out
PR	ADJUNTAS	10	8	80.0%
PR	AGUADA	18	15	83.3%
PR	AGUADILLA	47	45	95.7%
PR	AGUAS BUENAS	20	20	100.0%
PR	AIBONITO	21	19	90.5%
PR	ANASCO	15	14	93.3%
PR	ARECIBO	68	62	91.2%
PR	ARROYO	10	9	90.0%
PR	BARCELONETA	24	22	91.7%
PR	BARRANQUITAS	17	16	94.1%
PR	BAYAMON	153	107	69.9%
PR	CABO ROJO	51	47	92.2%
PR	CAGUAS	91	72	79.1%
PR	CAMUY	17	15	88.2%
PR	CANOVANAS	29	26	89.7%
PR	CAROLINA	130	96	73.8%

PR	CATANO	21	17	81.0%
PR	CAYEY	45	43	95.6%
PR	CEIBA	12	10	83.3%
PR	CIALES	13	11	84.6%
PR	CIDRA	27	27	100.0%
PR	COAMO	21	20	95.2%
PR	COMERIO	18	18	100.0%
PR	COROZAL	22	21	95.5%
PR	CULEBRA	9	8	88.9%
PR	DORADO	45	39	86.7%
PR	FAJARDO	35	32	91.4%
PR	FLORIDA	6	6	100.0%
PR	GUANICA	17	17	100.0%
PR	GUAYAMA	30	29	96.7%
PR	GUAYANILLA	10	9	90.0%
PR	GUAYNABO	95	59	62.1%
PR	GURABO	33	31	93.9%
PR	HATILLO	29	27	93.1%
PR	HORMIGUEROS	10	9	90.0%
PR	HUMACAO	42	40	95.2%
PR	ISABELA	33	32	97.0%
PR	JAYUYA	7	7	100.0%
PR	JUANA DIAZ	32	30	93.8%
PR	JUNCOS	22	22	100.0%

PR	LAJAS	19	17	89.5%
PR	LARES	15	15	100.0%
PR	LAS MARIAS	9	9	100.0%
PR	LAS PIEDRAS	18	18	100.0%
PR	LOIZA	11	11	100.0%
PR	LUQUILLO	13	12	92.3%
PR	MANATI	28	26	92.9%
PR	MARICAO	5	5	100.0%
PR	MAUNABO	11	11	100.0%
PR	MAYAGUEZ	66	58	87.9%
PR	MOCA	19	19	100.0%
PR	MOROVIS	21	21	100.0%
PR	NAGUABO	23	23	100.0%
PR	NARANJITO	23	23	100.0%
PR	OROCOVIS	15	14	93.3%
PR	PATILLAS	15	15	100.0%
PR	PENUELAS	19	17	89.5%
PR	PONCE	101	91	90.1%
PR	QUEBRADILLAS	19	18	94.7%
PR	RINCON	15	14	93.3%
PR	RIO GRANDE	44	41	93.2%
PR	SABANA GRANDE	12	12	100.0%
PR	SALINAS	29	27	93.1%
PR	SAN GERMAN	25	23	92.0%



PR	SAN JUAN	358	224	62.6%
PR	SAN LORENZO	22	22	100.0%
PR	SAN SEBASTIAN	21	19	90.5%
PR	SANTA ISABEL	18	17	94.4%
PR	TOA ALTA	43	33	76.7%
PR	TOA BAJA	54	36	66.7%
PR	TRUJILLO ALTO	45	43	95.6%
PR	UTUADO	21	21	100.0%
PR	VEGA ALTA	27	25	92.6%
PR	VEGA BAJA	34	32	94.1%
PR	VIEQUES	12	12	100.0%
PR	VILLALBA	9	9	100.0%
PR	YABUCOA	31	31	100.0%
PR	YAUCO	19	17	89.5%
TOTAL		2,644	2,238	84.6%

U.S. Virgin Islands:

State	Affected Counties	Cell Sites Served	Cell Sites Out	Percent Out
VI	ST. CROIX	46	29	63.0%
VI	ST. JOHN	9	9	100.0%
VI	ST. THOMAS	66	35	53.0%
TOTAL		121	73	60.3%



Cable Systems and Wireline (Combined)

Since there are widespread power outages in Puerto Rico and the U.S. Virgin Islands, the FCC has received reports that large percentages of consumers are without either cable services or wireline service (one company had reported that 100% of its consumers are out of service due to lack of commercial power but told us earlier this week that services are beginning to be restored). In Puerto Rico, there are at least 13 (up from 10 yesterday) switches that are out of service due to either SS7 or toll isolation.

Broadcast

TV stations out of service: WIPR in San Juan, PR and WIPM in Mayaguez, PR are reported as being out of service in DIRS.

WKAQ-TV is reported as being on the air.

Radio stations out of service: WQBS, WCMN-FM, WMIO, WPRM-FM, WNEL, WPRP, WIPR-FM, WZAR and WUNO (all in Puerto Rico) are reported as being out of service in DIRS.

Based on informal reports earlier, it appears the following radio and televisions stations are operational in Puerto Rico:

AM: WKAQ 580, WPAB 550, WIPR 940, WAPA 680, WISO 1260, WTIL 1300, WKUM 1470, WMDD 1480, WDEP 1490, WALO 1240, WSJN 1320, WXEW 840, WEXS 1070, WMIA 610

FM: 91.9, 94.7, 95.7, 96.1, 97.7, 104.1, 104.7, 106.9

TV: Telemundo virtual Ch.2 UHF 28 is on the air.