

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

**Communications Division
Carrier Oversight and Programs Branch**

**RESOLUTION T-17706
September 24, 2020**

RESOLUTION

RESOLUTION T-17706 – Establishing the Reporting Template for Communications Resiliency Plans Pursuant to Commission Decision 20-07-011.

SUMMARY

This Resolution adopts a template for facilities-based wireless service providers to use when submitting Communications Resiliency Plans to the California Public Utilities Commission's Communications Division, as required by Decision 20-07-011.¹ The California Public Utilities Commission required all facilities-based wireless service providers to submit a Communications Resiliency Plan by January 20, 2021, and then annually thereafter.

BACKGROUND

On March 22, 2018, the California Public Utilities Commission (Commission) established Order Instituting Rulemaking (R.) 18-03-011 to adopt an emergency disaster relief program for customers of electric, natural gas, water and sewer, and communications service providers.

On August 15, 2019, the Commission issued D.19-08-025, which adopted customer protection measures for communications service providers to implement after the Governor of California or the President of the United States declares a state of emergency.

¹ See D. 20-07-011, Ordering Paragraph (OP) 1.

Subsequently, on January 21, 2020, the Commission expanded the scope of the proceeding to establish resiliency planning for communications service providers. Six months later, the Commission issued D.20-07-011 (Decision) adopting comprehensive resiliency strategies for all facilities-based wireless providers with facilities located in Tier 2 and Tier 3 High-Fire Threat Districts. The Decision requires wireless service providers to file a Tier II Advice Letter (AL) detailing how the provider can maintain minimum levels of service and coverage to access 9-1-1 and 2-1-1, maintain the ability to receive emergency alerts notifications, and access to internet browsing for emergency notices for customers during the disaster and in the event of a power failure.

DISCUSSION

In Decision 20-07-011, the Commission ordered Communications Division (CD) Staff to develop a template for wireless service providers to use when submitting their Communications Resiliency Plan.² According to the Decision, the Communications Resiliency Plan must, at a minimum, include the following information:

1. Discussion of their ability to maintain a sufficient level of service and coverage to maintain access to 9-1-1 and 2-1-1, maintain the ability to receive emergency notifications, and access Internet browsing for emergency notices in the event of a disaster or power outage, including identifying how they maintain the resiliency of their networks, as defined in Section 6.2 of D.20-07-011.
2. Detailed Public Safety Power Shutoff and grid outage response plans.
3. Detailed Clean Generation and Diesel Generation Near and Long-Term Approaches, consistent with Section 6.7.2 of D.20-07-011.
4. Facilities with and without battery backup, both fixed generators and mobile generator hookups, along with their location, and the estimated length of time each of the facilities will operate during a grid outage with and without refueling.
5. The number of mobile generators and refueling trucks, specifying which are stationed in California.

² *Id.*

6. Identify the ability to replace damaged facilities, including logical and physical network route diversity and temporary facilities (e.g., mobile cell sites and temporary microwave backhaul).
7. Identify titles of management and number of personnel dedicated to refueling and vendors including company and contract agreement.
8. Identify the ability to support reporting on system outages as required by Commission rules, California Office of Emergency Services regulations, and California Government Code.
9. Detail how backup generators comply with California Air Resource Board standards.
10. Provide refueling schedules.
11. Provide roaming agreements. Attach roaming agreements to the plan.
12. Provide cooperative agreements which are used to pool resources with other providers. Attach cooperative agreements to the plan.
13. Identify facilities that do not need backup power, are unable to support backup power due to a safety risk, or that are objectively impossible or infeasible to deploy backup power and identify the basis for that determination as well as discuss actions being taken by the wireless service provider to mitigate service loss resulting from the lack of backup power at those locations pursuant to Section 6.6.2. of D.20-07-011.
14. Identify investment plans to improve network resiliency pursuant to Section 6.6.2. of D.20-07-011 (e.g., deployment of redundant backhaul and deployment of fixed generators).

This Resolution includes the template (Attachment A in this Resolution) for wireless service providers to use when submitting their Communications Resiliency Plan. Per the Decision, all applicable wireless service providers must use this template. All facilities-based wireless service providers must complete and submit the information requested in the template. The template has detailed instructions for how to complete and submit the information.

Per the Decision, the applicable wireless service providers must submit their completed Communications Resiliency Plan to the Communications Division by January 20, 2021, and annually thereafter. CD Staff may update the Communications Wireless Resiliency

Plan template, as needed, by issuing Administrative Letters. CD Staff may post these Administrative Letters on the Commission's Web site.

COMMENTS

Public Utilities Code section 311(g)(1) requires that a draft resolution be served on August 25, 2020, to all parties on the R.18-03-011 proceeding service list and be subject to a public review and comment period of 30 days or more, prior to a vote of the Commission on the Resolution. A draft of today's Resolution was distributed for comment to the utilities and other interested parties.

FINDINGS

1. On March 22, 2018, the Commission established Rulemaking 18-03-011 to adopt an emergency disaster relief program for customers of electric, natural gas, water and sewer, and communications service providers.
2. On August 15, 2019, the Commission issued Decision 19-08-025, which adopted customer protection measures for communications service providers to implement after the Governor of California or the President of the United States declares a state of emergency.
3. On January 21, 2020, the Commission expanded the scope of the proceeding to establish resiliency planning for communications service providers.
4. On July 20, 2020, the Commission issued Decision 20-07-011, which adopted comprehensive wireless resiliency strategies for all facilities-based wireless providers with facilities located in Tier 2 and Tier 3 High-Fire Threat Districts.
5. Decision 20-07-011 ordered Communications Division staff to develop a template for wireless service providers to use when submitting their Communications Resiliency Plan.
6. Communications Division staff developed a Communications Resiliency Plan template in Microsoft Excel Spreadsheet format, attached to this Resolution as Attachment A.
7. All facilities-based wireless service providers must submit to the Communications Division their Communications Resiliency Plan on or before January 20, 2021, and annually thereafter..
8. Administrative letters allows Commision staff to provide or describe information, updates, or processes, as necessary, to implement Commission requirements.

9. On August 25, 2020, the Commission emailed a draft of this Resolution to the service list for Order Instituting Rulemaking 18-03-011 for public comment.

THEREFORE, IT IS ORDERED that:

1. By January 20, 2021, and annually thereafter, all facilities-based wireless service providers with facilities located in Tier 2 and Tier 3 High-Fire Threat Districts shall submit to the Communications Division a Communications Resiliency Plan.
2. The applicable wireless service providers must use the Communications Resiliency Plan template in this resolution.
3. Communications Division staff may update the Communications Resiliency Plan template, as necessary, by issuing Administrative Letters.

This resolution is effective today.

I certify that the foregoing resolution was duly introduced, passed, and adopted at a conference of the Public Utilities Commission of the State of California held on _____, the following Commissioners voting favorable thereon:

Michelle Cooke
Acting Executive Director

Resolution T-17706
CD/KCH

Attachment A - Wireless Resiliency Plan Template (Excel)

To open and download the excel file click [HERE](#)

Attachment A – Wireless Resiliency Plan Template (Excel) - “Title Page” tab

BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

Order Instituting Rulemaking Regarding Emergency Disaster Relief Program.

Rulemaking 18-03-011



Decision 20-07-011
(Issued July 20, 2020)

Select Wireless Service Provider Name Below

[Redacted]

2020 Annual Wireless Resiliency Plan

Date:

[Insert Date]

Name:

[insert name]

Title:

[insert title]

Email:

[insert email]

Phone:

[insert phone]

Fax:

[insert fax]

Address:

[insert address]

Attachment A – Wireless Resiliency Plan Template (Excel) - “Officer Verification” tab

OFFICER VERIFICATION FORM

I am an officer of the reporting organization herein, and am authorized to make this verification on its behalf. The statements in the foregoing document are true of my own knowledge, except as to matters which are therein stated on information or belief, and as to those matters I believe them to be true. The spreadsheet format used to file this Communication Resiliency Plan [has/has not] been altered from the version issued or approved by the Communications Division, [with the alterations described in this report].

I declare under penalty of perjury that the foregoing is true and correct.

Executed on _____ [Date] at _____ [City and State].

[Name and Title of Officer]

CALIFORNIA'S WIRELESS SERVICE PROVIDERS' COMMUNICATIONS RESILIENCY PLANS

Annual Resiliency Plan Instructions

Specific procedural guidelines and general explanations about the Wireless Resiliency Plan spreadsheet are detailed below. Yellow tabs indicate that data must be inputted by service providers. Any questions concerning Resiliency Plan compliance matters should be directed to Communications Division at servicesiliency@cpuc.ca.gov.

Procedural Guidelines

1. **D.20-07-011** requires all facilities-based wireless service providers to annually submit a Communications Resiliency Plan and associated information to the Communications Division. Refer to D.20-07-011 for additional details:
<https://docs.cpuc.ca.gov/PublishedDocs/Published/G000/M344/K021/344021480.PDF>
2. **Information Submitted with Claims of Confidentiality:** Any information submitted to the Commission with claims of confidentiality must comply with the requirements set forth in Commission General Order **66-D**, or its successor, including but not limited to declarations that specifically set forth the legal and factual basis for each claim of confidentiality. The declaration should include a specific description of all information for which the submitter seeks confidential treatment (e.g., by tab name and cell reference) and clearly identify the confidential information in the documents submitted (e.g., by yellow highlight or other identifying mark). General assertions of confidentiality are insufficient.
3. Submit your company's responses and Annual Resiliency Plan using the Commission's Secure File Transfer Protocol (SFTP). Your company can access the CPUC's SFTP Kiteworks website at <https://cpucftp.cpuc.ca.gov/>. Your company will need to create a user account for the CPUC Kiteworks SFTP website if it has not already. Your company can access the instructions/user guide for the CPUC Kiteworks Secure FTP website at <https://www.cpuc.ca.gov/General.aspx?id=6442459667>. Once your company has a user account, log in, click on the "Compose" button on the left hand side, and add the files. Address the response to servicesiliency@cpuc.ca.gov. In the subject line, use this format: CompanyNameResiliencyPlanSubmission Date. Compose a message, as necessary, and then click on the "Send" button.

Excel Worksheets Instructions

Data Inputs and Supporting Documentation Requirements

- 1 **BLUE** filled color cells throughout the worksheet indicates data to be provided by the service provider.
- 2 Each of the items requested in the Checklist require supporting documentation.
- 3 A sample of the responses is provided in Row 24 in both of the included Resiliency Plan Templates, RAN and CORE.
- 4 For the Resiliency Plan Templates, RAN and CORE, the **RED** text requires a narrative that cannot be entered into the spreadsheet. Please submit your company's response and label each file according to the Item number as listed in the Checklist.
- 5 Please note that there is a drop down option for columns E/F/O/R/S/U/W/X/AE/AG/AJ/AK in the Resiliency Plan Template (RAN) within this Excel worksheet.
- 6 Please note that there is a drop down option for columns E/M/O/Q/S/T/AA/AC/AF/AG in the Resiliency Plan Template (Core) within this Excel worksheet.
- 7 Columns AF and AI in the Resiliency Plan Template (RAN) Excel worksheet, provide the date of when non-renewable backup power are expected to be converted to renewable energy source and backup power infeasible site to feasible site.
- 8 In Column AH in the Resiliency Plan Template (RAN) Excel worksheet, explain the Backup Power infeasibility reasoning in detail.
- 9 In Columns AB and AE in the Resiliency Plan Template (Core) Excel worksheet, provide the date of when non-renewable backup power are expected to be converted to renewable energy source and backup power infeasible site to feasible site.
- 10 In Column AD in the Resiliency Plan Template (Core) Excel worksheet, explain the Backup Power infeasibility reasoning in detail.
- 11 In Column AL in the Resiliency Plan Template (RAN) Excel worksheet, provide the date of when the site is expected to become resilient. 12 In Column AH in the Resiliency Plan Template (Core) Excel worksheet, provide the date of when the site is expected to become resilient. 13 Column AM in the Resiliency Plan Template (RAN) Excel worksheet is for comments or special notes needed for any of the responses.
- 14 Column AI in the Resiliency Plan Template (Core) Excel worksheet is for comments or special notes needed for any of the responses.
- 15 Please refer to the Glossary Excel worksheet for definitions of terms.
- 16 Please refer to the Checklist Excel Worksheet for all required narrative information and supporting documentations.

Instructions:

1. Check YES for each of the following items in the table below of which your company is submitting to the California Public Utilities Commission.
2. Each of the items in the table below require supporting documentation.
3. Provide the file name in Column E for each file your company is submitting. Use the file naming convention of *CompanyName-ItemNumber_SubmissionDate*
(See below an example in the cell E11 for more than one file).
4. Include this Checklist table in the company's submission.

YES	Item Description	Requirement	File Name
<input type="checkbox"/>	1. Discussion of the ability to maintain a sufficient level of service and coverage to maintain access to 9-1-1 and 2-1-1, maintain the ability to receive emergency notifications, and access Internet browsing for emergency notices in the event of a disaster or power outage, including identifying how they maintain the resiliency of their networks, as defined in Section 6.2	Provide details as an attached document (s) to support this item	
<input type="checkbox"/>	2. Detailed PSPS and grid outage response plans	Provide detailed Public Safety Power Shutoff and Grid Outage response plan as an attached document(s)	e.g., <i>CPUC-ItemNum2.1_090120</i> e.g., <i>CPUC-ItemNum2.2_090120</i>
<input type="checkbox"/>	3. Detailed Clean Generation and Diesel Generation Near and Long-Term Approaches, consistent with Section 6.7.2 of D.20-07-011	Provide details as an attached document (s) to support this item	
<input type="checkbox"/>	4. Facilities with and without battery backup, fixed generation, and mobile generator hookups, their location, and the estimated length of time the facilities will operate during a grid outage with and without refueling at each site	Provide details as an attached document (s) to support this item	
<input type="checkbox"/>	5. The number of mobile generators and refueling trucks, specifying which are stationed in California: i) Number of mobile generators stationed in California: _____ ii) Number of refueling trucks stationed in California: _____	Provide details as an attached document (s) to support this item	
<input type="checkbox"/>	6. Identify the ability to replace damaged facilities, including logical and physical network route diversity and temporary facilities	Provide details as an attached document (s) to support this statement	
<input type="checkbox"/>	7. Identify titles of management and number of personnel dedicated to refueling and vendors including company and contract agreement	Provide details as an attached document (s) to support this item along with the contract agreement copies	
<input type="checkbox"/>	8. Identify the ability to support reporting on system outages as required by CPUC rules, Cal OES regulations, and California Government Code	Provide details as an attached document (s) to support this item	
<input type="checkbox"/>	9. Detail how backup generators comply with CARB standards	Provide details as an attached document (s) to support this statement	
<input type="checkbox"/>	10. Provide refueling schedules	Provide details as an attached document (s) to support this item	
<input type="checkbox"/>	11. Provide roaming agreements	Provide details as an attached document (s) to support this item along with the roaming service agreement copies	
<input type="checkbox"/>	12. Provide cooperative agreements which are used to pool resources with other providers	Provide details as an attached document (s) to support this item along with the cooperative (coop) / colocation (colo) service agreement copies	
<input type="checkbox"/>	13. Identify facilities that do not need backup power, are unable to support backup power due to a safety risk, or that are objectively impossible or infeasible to deploy backup power and identify the basis for that determination as well as discuss actions being taken by the wireless provider to mitigate service loss resulting from the lack of backup power at those locations pursuant to Section 6.6.2. of D.20-07-011	Provide details as an attached document (s) to support this item	
<input type="checkbox"/>	14. Identify investment plans to improve network resiliency pursuant to Section 6.6.2. of D.20-07-011	Provide details as an attached document (s) to support this item	

Attachment A – Wireless Resiliency Plan Template (Excel) - “Resiliency Plan Template (RAN)” tab

Wireless Communications Resiliency Plan for Radio Access Network

Reported by: Mandatory Field
 Date:

Pursuant to DECISION 20-07-011 and RESOLUTION T-17706, please provide the following information:

1. Discussion of the ability to maintain a sufficient level of service and coverage to maintain access to 9-1-1 and 2-1-1, maintain the ability to receive emergency notifications, and access Internet browsing for emergency notices in the event of a disaster or power outage, including identifying how they maintain the resiliency of their networks, as defined in Section 6.2: **Provide details to support this item (refer to checklist) and data in the below table.**
2. Detailed PSPS and grid outage response plans: **Provide detailed PSPS and Grid Outage response plan (refer checklist) and data in the below table.**
3. Detailed Clean Generation and Diesel Generation Near and Long-Term Approaches, consistent with Section 6.7.2 of D.20-07-011: **Provide details to support this item (refer to checklist) and data in the below table.**
4. Facilities with and without battery backup, fixed generation, and mobile generator hookups, their location, and the estimated length of time the facilities will operate during a grid outage with and without refueling at each site: **Provide details to support this item (refer to checklist) and data in the below table.**
5. The number of mobile generators and refueling trucks, specifying which are stationed in California: **Provide details to support this item (refer to checklist) and below data.**
 - i) Number of mobile generators stationed in California: _____
 - ii) Number of refueling trucks stationed in California: _____
6. Identify the ability to replace damaged facilities, including logical and physical network route diversity and temporary facilities: **Provide details to support this item (refer to checklist) and data in the below table.**
7. Identify titles of management and number of personnel dedicated to refueling and vendors including company and contract agreement: **Provide details to support this item (refer to checklist) along with contract agreement copies and data in the below table.**
8. Identify the ability to support reporting on system outages as required by CPUC rules, Cal OES regulations, and California Government Code: **Provide details to support this item (refer to checklist) and data in the below table.**
9. Detail how backup generators comply with CARB standards: **Provide details to support this item (refer to checklist) and data in the below table.**
10. Provide refueling schedules: **Provide detailed schedules (refer to checklist) and data in the below table.**
11. Provide roaming agreements: **Provide to support this item (refer to checklist) along with roaming agreement copies and data in the below table.**
12. Provide cooperative agreements which are used to pool resources with other providers: **Provide to support this item (refer to checklist) along with cooperative (coop) / colocation (colo) service agreement copies and data in the below table.**
13. Identify facilities that do not need backup power, are unable to support backup power due to a safety risk, or that are objectively impossible or infeasible to deploy backup power and identify the basis for that determination as well as discuss actions being taken by the wireless provider to mitigate service loss resulting from the lack of backup power at those locations pursuant to Section 6.6.2. of D.20-07-011: **Provide detailed to support this item (refer checklist) and data in the below table.**
14. Identify investment plans to improve network resiliency pursuant to Section 6.6.2. of D.20-07-011: **Provide detailed to support this item (refer to checklist) and data in the below table.**

CPN	Service Provider DBA Name	FRN	Cell Site Type	TransLoc	LLU Code	Cell Site Name	Address	City	Zip Code	County	Latitude	Longitude	HFD	% Uptime	Roaming Service Provider Name	Roaming Service Agreement [YES/NO]	Cell Site	Power Utilty Company Name	PSPS/Grid Outage Response Plan* [YES/NO]	PSPS Event Advance Notice Req [HH:MM]	Backup Power Availability [YES/NO]	Backup Power Type	Battery Backup Power Capacity [HH:MM]	Generator Backup Power Capacity w/Refuel [HH:MM]	Generator Backup Power Capacity w/Refuel [HH:MM]	Refuel Schedul (# of WK)	Dedicate Refueling Person #	Refuel Compant Name	Backup Generato Compliance w/ CARB*	Convert to Renewable Energy Backup Power* (< 01/01/2026)	Backup Power Infeasibility	Backup Pow Infeasibility (Detail Reason)	Backup Power Feasibility* (< 01/01/2024)	O&M Ability to Repair/Re Cal Sta/Facility [YES/NO]	Outage Reporting Abili to Local and State Authorities* [YES/NO]	Resiliency Improvement (< 01/01/2024)			
e.g. 9001	XYZ Wireless	998889910	Macrocell	Rooftop	SANFCA20	SalesForce Tower	505 Van Ness Ave	San Francisco	94102	San Francisco	37.78011	-122.42041	Tier 1	99.999%	ABC Wireless	YES	YES	PG&E	YES	48.00	YES	Mobile Generato	8.00	12.00	12.00	2.00	4.00	RYZ Refu	YES	1/1/2021	Safety Risk	Entryway porch must room can pos a risk of shock and electrocution because of wet conditions.	1/1/2022	NO	YES	1/1/2021			

Attachment A – Wireless Resiliency Plan Template (Excel) - “Resiliency Plan Template (CORE)” tab

Wireless Communications Resiliency Plan for Core

Reported Mandatory Field
Date:

Pursuant to DECISION 20-07-011 and RESOLUTION T-17706, please provide the following information:

1. Discussion of the ability to maintain a sufficient level of service and coverage to maintain access to 9-1-1 and 2-1-1, maintain the ability to receive emergency notifications, and access Internet browsing for emergency notices in the event of a disaster or power outage, including identifying how they maintain the resiliency of their networks, as defined in Section 6.2: **Provide details to support this item (refer to checklist) and data in the below table.**
2. Detailed PSPS and grid outage response plans: **Provide detailed PSPS and Grid Outage response plan (refer to checklist) and data in the below table.**
3. Detailed Clean Generation and Diesel Generation Near and Long-Term Approaches, consistent with Section 6.7.2 of D.20-07-011: **Provide details to support this item (refer to checklist) and data in the below table.**
4. Facilities with and without battery backup, fixed generation, and mobile generator hookups, their location, and the estimated length of time the facilities will operate during a grid outage with and without refueling at each site: **Provide details to support this item (refer to checklist) and data in the below table.**
5. The number of mobile generators and refueling trucks, specifying which are stationed in California: **Provide details to support this item (refer to checklist) and below data.**
 - i) Number of mobile generators stationed in California: _____
 - ii) Number of refueling trucks stationed in California: _____
6. Identify the ability to replace damaged facilities, including logical and physical network route diversity and temporary facilities: **Provide details to support this item (refer to checklist) and data in the below table.**
7. Identify titles of management and number of personnel dedicated to refueling and vendors including company and contract agreement: **Provide details to support this item (refer to checklist) along with contract agreement copies and data in the below table.**
8. Identify the ability to support reporting on system outages as required by CPUC rules, Cal OES regulations, and California Government Code: **Provide details to support this item (refer to checklist) and data in the below table.**
9. Detail how backup generators comply with CARB standards: **Provide details to support this item (refer to checklist) and data in the below table.**
10. Provide refueling schedules: **Provide details to support this item (refer to checklist) and data in the below table.**
11. Provide roaming agreements: **Provide to support this item (refer to checklist) along with roaming agreement copies and data in the below table.**
12. Provide cooperative agreements which are used to pool resources with other providers: **Provide to support this item (refer to checklist) along with cooperative (coop) / colocation (colo) service agreement copies and data in the below table.**
13. Identify facilities that do not need backup power, are unable to support backup power due to a safety risk, or that are objectively impossible or infeasible to deploy backup power and identify the basis for that determination as well as discuss actions being taken by the wireless provider to mitigate service loss resulting from the lack of backup power at those locations pursuant to Section 6.6.2. of D.20-07-011: **Provide detailed to support this item (refer to checklist) and data in the below table.**
14. Identify investment plans to improve network resiliency pursuant to Section 6.6.2. of D.20-07-011: **Provide detailed to support this item (refer to checklist) and data in the below table.**

CPCN	Service Provider DBA Name	FRN	Core Facility Type	Cell Code	Address	City	Zip Code	County	Latitude	Longitude	HFTD	% Uptime	Color Site	Power Utility Company Name	PSPS/Grid Outage Response Plan* [YES/NO]	PSPS Event Advance Notice Req [HH:MM]	Backup Power Availability [YES/NO]	Backup Power Type	Battery Backup Power Capacity [HH:MM]	Generator Backup Power Capacity w/o Refuel [HH:MM]	Generator Backup Power Capacity w/ Refuel [HH:MM]	Refueling Schedule [# of WA]	Dedicated Refueling Personnel #	Refueling Company Name	Backup Generator Compliance w/ CARB*	Convert to Renewable Energy Backup Power* [< 01/01/2026]	Backup Power Infeasibility	Backup Power Infeasibility* [Detail Reason]	Backup Power Feasibility* [< 01/01/2023]	O&M Ability to Replace/Repair Core Facility* [YES/NO]	Outage Reporting Ability to Local and State Authorities* [YES/NO]	Resiliency Improvement* [< 01/01/2023]	Comments/Notes			
e.g. 9001	XYZ Wireless	9938839310	Central Office	SANFCA00	505 Van Ness Ave	San Francisco	94102	San Francisco	48.26004	-112.81102	Tier II	99.999%	NO	PG&E	YES	48.00	YES	Fixed Generator	8.00	12.00	12.00	2.00	4.00	RYZ/Refue	YES	1/1/2021	Safety Risk	Emergency porch mud room can pose a risk of shock and electrocution because of wet conditions.	1/1/2022	NO	YES	1/1/2021				

Attachment A – Wireless Resiliency Plan Template (Excel) - “Glossary” tab

Glossary of Terms

Term	Definition
Address	Exact US Postal Address of the Cell Site and Core Facility
CARB	California Air Resources Board is the clean air state agency to attain and maintain healthy air quality, which includes protecting the general public from exposure to toxins and contaminants in the air
Cell Site Name	Cell site name is used incase exact location address is not available
Cell Site Type	Type of cell site (i.e. Macrocell, Indoor DAS, Outdoor DAS, Small Cell, MicroCell, MetroCell, Picocell, Femtocell, etc.)
CLLI Code	COMMON LANGUAGE Location Identifier Code to identifying physical locations
Colocation Site (Colo)	It is the location of two or more wireless communication facilities on a single support structure or sharing a common location with common power source, and may or may not common backup power source
Core Network	It is the central element(s) of a network where aggregation, authentication, call control/switching, charging, service invocation, gateways, provides services to the subscribers through the access network
CPCN	Service Provider's registered utility number: Certificate of Public Convenience and Necessity
FRN	Service Provider FCC Registration Number is a 10-digit number that is assigned to a business or individual registering with the FCC
HFTD	High Fire-Threat District: Tier II and Tier III
Latitude	Latitude: provide at least 6 decimal points to ensure accuracy. Value must be between 32 and 42 (i.e. 37.750105)
Longitude	Longitude: provide at least 6 decimal points to ensure accuracy. Value must be a negative value between -114 and -124 (i.e. -122.680105)
O&M	Operation and Maintenance support that includes corrective maintenance cycles and continuous improvement along with a defined workflow to support changes and ongoing requirements
% Uptime	It is the way to measure the maintenance of a sufficient level of service at a given facility, which is calculated via Percent Uptime: number of seconds at a given facility had no services/down (in a certain time frame), and divide this by the total number of seconds services was up and being monitored during that time frame
PSPS	Public Safety Power Shutdown events conducted by energy utility company in regards to public safety measures
RAN	Radio Access Network provides radio access and assists to coordinate network resources across wireless devices primarily connect to cellular network via 3G, LTE or 5G NR connections
Service Provider DBA Name	Registered Doing Business As name of the service provider that are used on the purchase orders and invoices for the services
TransLoc	Type of structure where transmitter is located (i.e. Tower, Rooftop, Utility pole, Parapet wall, Water tank, etc.)

End of Attachment A