



Town of Paradise Early Warning Sirens Guidelines

The Town of Paradise Early Warning System (EWS) consists of twenty-one siren towers located within the town limits of Paradise, California. This system will be known as the Early Warning Sirens (EWS) and is part of the overall emergency notification strategy known as "Alert Paradise". The purpose of the EWS is to provide a redundant warning system for residents and visitors in Paradise of potential or emergent hazards that threaten life and property. The EWS is designed to work in coordination with existing emergency notification systems and processes and to alert residents of emergencies.

This document is intended to guide Town Officials in the operation of the Early Warning Sirens.

Sections:

- Section 1. Siren Locations
- Section 2. Activation
- Section 3. Siren Tones and Voice Commands
- Section 4. Testing Procedure

Section 1: Siren Locations

Siren locations were chosen after analysis of the topography and geography of the Paradise ridge. The 21 sirens are located primarily in public rights of way, or on public property, with the goal of providing audible warnings within Paradise Town limits. The tower locations are listed in table 1 below.

Eight siren locations will also have traffic cameras installed. These cameras are for Town of Paradise internal use only to monitor traffic and conditions during emergencies. Cameras with visibility to private property will have private property blocked from view of the camera. Data from cameras will stream live and will not be retained beyond 24 hours.



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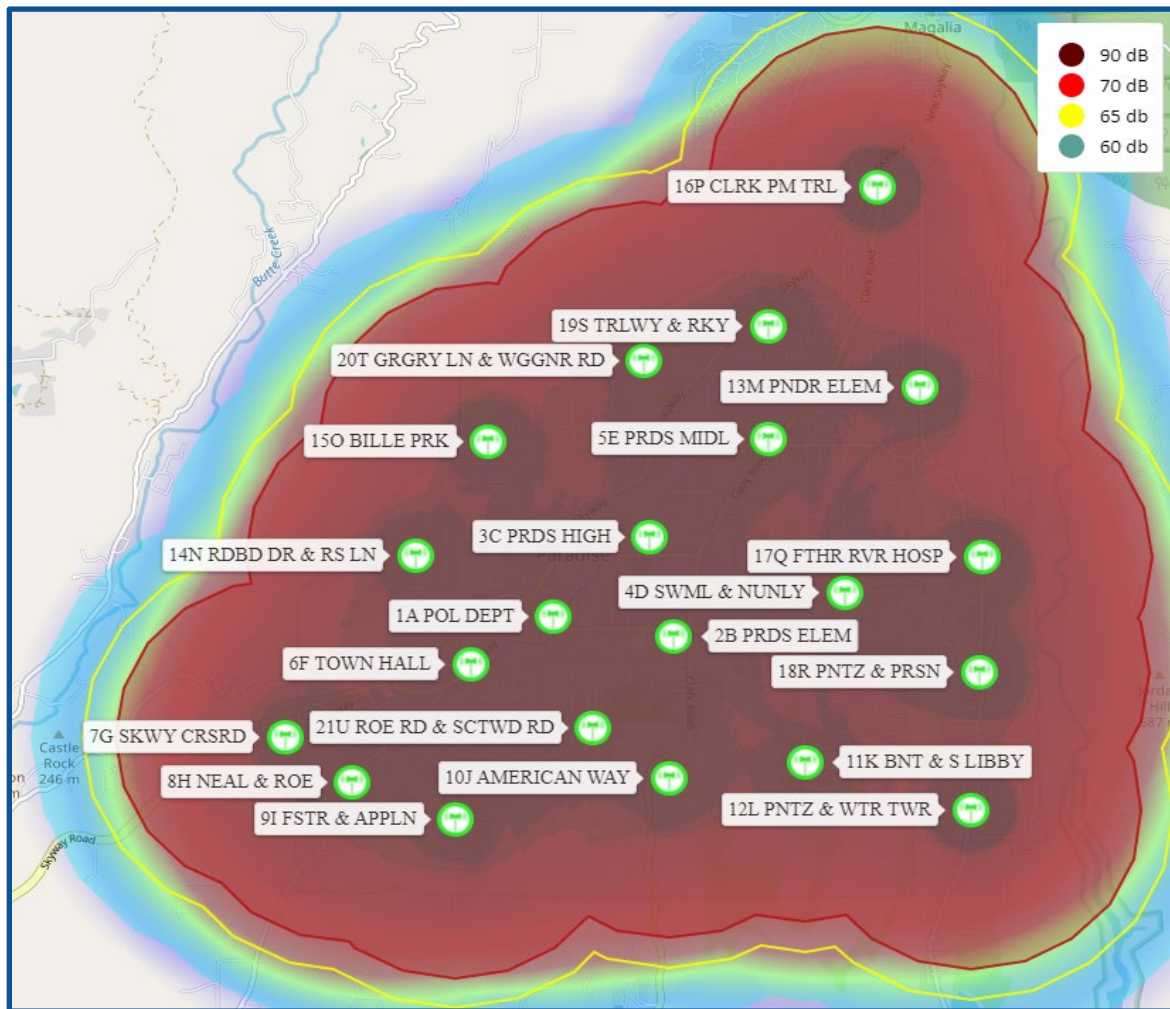
Table 1: Siren Tower Locations

SITE	DESCRIPTION	LATITUDE	LONGITUDE	Zone & (C) Camera
1	Police Department – TOP Property	39°45'15.54"N	121°37'27.86"W	9
2	Pearson & Clark ROW	39°45'7.77"N	121°36'23.77"W	5 (C)
3	Maxwell & Fairview ROW	39°45'47.99"N	121°36'44.46"W	5
4	Sawmill & Nunneley ROW	39°45'21.00"N	121°35'20.80"W	7
5	Clark & Bille ROW	39°46'17.52"N	121°35'47.31"W	2 (C)
6	Paradise Town Hall TOP Property	39°44'57.10"N	121°38'0.70"W	9 (C)
7	Russell Drive & Skyway ROW	39°44'42.60"N	121°39'8.53"W	9 (C)
8	Neal & Grinding Rock ROW	39°43'57.97"N	121°39'4.61"W	10
9	Foster & Apple ROW	39°43'59.55"N	121°38'10.12"W	11
10	American Way TOP Property	39°44'12.60"N	121°36'36.76"W	12 (C)
11	Bennett & S. Libby ROW	39°44'15.75"N	121°35'38.06"W	13
12	Pentz & Water Tower ROW	39°44'3.05"N	121°34'24.84"W	14
13	Pentz & Ely ROW	39°46'36.30"N	121°34'47.03"W	3 (C)
14	Crestmore & Rose ROW	39°45'38.00"N	121°38'18.70"W	4
15	Bille & West Wagstaff ROW	39°46'13.42"N	121°37'48.39"W	1 & 4*
16	Clark & YSK Trail ROW	39°47'45.56"N	121°35'6.62"W	2 (C)
17	Pentz & Peach ROW	39°45'30.40"N	121°34'20.90"W	8
18	Pentz & Pearson ROW	39°44'52.00"N	121°34'23.30"W	14 & 8* (C)
19	Rocky Ln. & YSK Trail ROW	39°46'53.51"N	121°35'53.68"W	2 & 1*
20	Gregory & Waggoner ROW	39°46'44.00"N	121°36'47.90"W	1
21	Roe & Scottwood ROW	39°44'28.26"N	121°37'18.28"W	11



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The most proximal areas to the towers can expect 90db emitting from the towers, down to 60db outside Town limits. This system is designed to be audible for residents and visitors who are outdoors when the warning (siren tone or voice command) is given.





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Section 2: Activation

Standardized signals for early warning devices have been established by the Federal Emergency Management Agency (FEMA). Additional information on policies and guidelines for Early Warning Systems can be found in the FEMS CPG 1-17 Outdoor Warning Systems Guide and the 2019 CA Alert Warning Guidelines. These standard guidelines have been incorporated in this document.

Activation Procedure

In the event of an evacuation order being issued, the Early Warning Sirens will be activated at the direction of the Paradise Police Chief (or their designee), Police Lieutenant, Police Sergeant, or Watch Commander.

The activation process will be initiated by Town of Paradise Police Department Dispatch once approval has been given. The process flow is shown visually below:



The Early Warning Sirens are only intended to be activated in a true emergency in which evacuation is required, such as a wildfire, flood, extreme weather event, or other life-threatening emergency. Additional notification and information channels are to be used in tandem with the EWS. This emergency communication framework is known as Alert Paradise. The activation of the EWS is intended to indicate to all residents and visitors to seek further emergency information through radio, television, social media, or other channels.

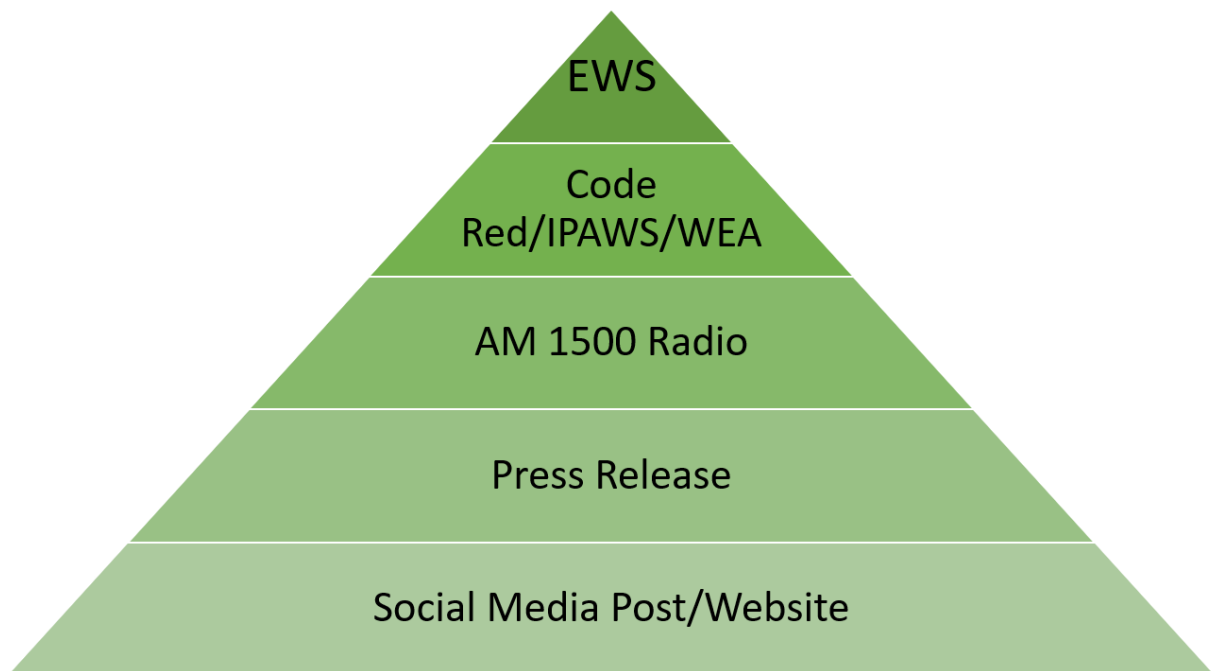
Depending on the emergency, different levels of public notification will be appropriate. Activation of the Early Warning Sirens will be used for the most acute emergencies. The below table illustrates the



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hierarchy of notification channels within Alert Paradise. Once a notification channel is activated, all those below it in the hierarchy should also be utilized.

Alert Paradise



Section 3: Siren Tones and Voice Commands

Any activation of the EWS should include both siren tone and voice command with further instructions. It is understood that sirens may be audible for a distance beyond the immediate area for which the notification is intended, and clear instruction through the voice commands and on other communication channels will be important for the system to be used effectively.

Emergency Activation Siren and Voice

Immediate Evacuation Orders will prompt the activation of the Early Warning Sirens. A 1-minute-long siren tone will indicate residents should evacuate immediately. The siren tone should then be followed



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by a Voice Command telling residents to evacuate immediately and any appropriate additional information, such as direction of evacuation. The protocol will be as follows:

Siren Tone for a 1-minute duration

Voice Command: "An Immediate Evacuation Order has been issued for _____. "

Additional instructions for the evacuation direction or where to find further information can be included here.

Siren Tone for a 1-minute duration

This 3-step siren-message-siren interval will be repeated in the following manner:

10-minute loop of siren-message-siren intervals

5-minute break with no intervals

5-minute loop of intervals

5-minute break with no intervals

The 5-minute interval – break loop will continue until the emergency has subsided.

Section 4: Testing Procedures

The EWS will be tested both internally and externally. Internal-only tests will be performed weekly and will be done silently to test functionality but will not be audible to the public. External tests will be performed monthly, on the first Saturday of each month at 12:00 pm. The public will be notified of these tests in advance, with press releases, social media posts, website information, and Code Red notifications sent prior to testing for the first six months of operation. Following this period, notification will be made by social media Post and website updates.

The testing protocol will be as follows:

Voice Command: This is a test of the Paradise Early Warning Sirens

Siren Tone for a 30 second duration

Voice Command: This was a test of the Paradise Early Warning Sirens. The was only a test.

For testing, only one interval of message-siren-message will be utilized.

During testing for the first six months, the Town will conduct a "can you hear me" campaign which will encourage residents to provide input on their location and what they can hear. This campaign will be



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for Town residents as well as residents of nearby communities and will help the Town understand the audibility of the system in actual conditions.