

7/16/2018

Edcgov.us Mail - Telecommunications tower project GOLD HILL

PC 7-26-18

#3

4 Pages

Planning Department <planning@edcgov.us>



Telecommunications tower project GOLD HILL

1 message


Fri, Jul 13, 2018 at 10:34 AM


To: "planning@edcgov.us" <planning@edcgov.us>


To whom this may concern, I was reviewing the information regarding the proposed telecommunications tower on site #7 GOLD HILL. I read the attachment entitled "Site 7 - Staff Report Exhibit K" that was submitted by AT&T. When I read page 5 under GENERAL NOTES section 2 it states that "ALL WORK SHALL BE ACCOMPLISHED TO THE SATISFACTION OF THE WASHOE COUNTY AUTHORIZED REPRESENTATIVE". Last I checked, this project was concerning EL DORADO COUNTY NOT WASHOE COUNTY. If AT&T isn't even sure of what state, let alone county, this project is being proposed then I motion to have the project completely removed. Please see attachments. AT&T obviously is just using a blanket planning template that they more than likely always use for their projects and not one specific to Site #7. How can we be comfortable with a plan that was intended for Washoe county and not our own? If AT&T is to continue with this project then they should be required to submit a completely new plan that has accurate information.

Sincerely,
A concerned neighbor to projected Site #7

3 attachments

 AT&T project plan .pdf
455K

 AT&T project plan enlarged.pdf
210K

 AT&T project plan enlarged.pdf
210K

GENERAL NOTES

1. THE CONTRACTOR SHALL HAVE A RESPONSIBLE PARTY, WHO SHALL HAVE THE AUTHORITY TO REPRESENT AND ACT FOR THE CONTRACTOR, ON THE JOB SITE DURING ALL WORKING HOURS.

2. ALL WORK SHALL BE ACCOMPLISHED TO THE SATISFACTION OF THE WASHOE COUNTY AUTHORIZED REPRESENTATIVE.

DEFINITIONS:

- (ESC) - EROSION AND SEDIMENT CONTROL
- (NPDES) - NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
- (CWA) - CLEAN WATER ACT
- (SWPPP) - STORM WATER POLLUTION PREVENTION PLAN
- (BMP'S) - BEST MANAGEMENT PRACTICES

THE CONTRACTOR SHALL:

MAKE HIM/HERSELF AWARE OF THE REQUIREMENTS OF SAID GENERAL PERMIT AND THE PROVISIONS OF THE GRADING & EROSION CONTROL PLANS.

IMPLEMENT THE ESC FEATURES AND BEST MANAGEMENT PRACTICES (BMP'S) CONTAINED IN THE IMPROVEMENT PLANS, AND OTHERWISE DILIGENTLY PURSUE COMPLIANCE WITH THE LOCAL REQUIREMENTS.

ASSIST THE OWNER, ENGINEER, AND PUBLIC WORKS DEPARTMENT STAFF IN THE ASSESSMENT OF THE FUNCTIONALITY OF AND MODIFICATIONS TO THE FEATURES AND PRACTICES IMPLEMENTED AND PROPOSED.

MEET WITH THE OWNER AND THE PUBLIC WORKS DEPARTMENT STAFF TO DETERMINE AND DISCUSS THE STATUS OF THE PROJECT, CONSTRUCTION SCHEDULE, AND ANY MODIFICATIONS AND/OR ADDITIONS TO THE ESC FEATURES IN ORDER TO DILIGENTLY PURSUE COMPLIANCE.

DOCUMENT ANY MAINTENANCE, REPLACEMENT, INSPECTION, MODIFICATIONS OR ADDITIONS TO THE PROJECT ESC FEATURES, AND NOTIFY THE ENGINEER, OWNER AND PUBLIC WORKS DEPARTMENT STAFF OF ANY SUBSTANTIAL MODIFICATIONS OR ADDITIONS TO THE ESC PRACTICES AND

| BEST MANAGEMENT PRACTICE | LOCAT |
|--|--------------------------|
| A. PRESERVING EXISTING VEGETATION | AROUND OF PRO |
| B. PROTECT GRADED AREAS AND SLOPES FROM WASH-OUT & EROSION | THROUGH PROJE |
| C. GRAVEL FILTER | ALONG OF UNP ROADWA SITE |
| D. INLET FILTER BAG | INLET'S STORM SYSTEM |
| E. FIBER ROLL | SEE PL/ C-4 |
| F. HYDROSEEDING | 3.1 SLC |
| G. STABILIZED CONSTRUCTION ENTRANCE | ENTRAN FROM P ROADWA |
| H. WIND EROSION CONTROL PRACTICES | WHEREV NECESS |

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PC 7-26-18
#3
34 Pages



Planning Department <planning@edcgov.us>

Regarding Site #7 on Conditional Use Permit AT&T Mobility (Epic Wireless)

[Redacted]

Fri, Jul 13, 2018 at 12:23 PM

To: "planning@edcgov.us" <planning@edcgov.us>

[Redacted]

To whom this may concern. I am writing this letter in protest of having a telecommunication tower be built / erected on site #7. I am a property owner who lives near to the property where they are planning to build this tower. The reasons for my protest against having a telecommunications tower erected are many and well supported. Please read (Attachments entitled "Need for Cell Tower pages 1 and 2") and please also read and consider the entire content of this letter.

I have done some investigation regarding the 4 major cellular networks in the area and have found that based on their coverages, including AT&T, the need for a new telecommunications tower is highly unnecessary. Please refer to (Attachments entitled, "Verizon Coverage Gods Way", AT&T Coverage Gods Way", "Sprint Coverage Gods Way" and "T Mobile Gods Way"). AT&T data shows that subscribers in this area have more than adequate coverage. The data that AT&T submitted to the planning department contradicts the data they show on their own network coverage map. There is EXCELLENT cell phone reception on my property which is in close proximity of where the proposed tower is to be built. Please refer to the map that shows where cell coverage is not even present. (Attachment entitled "Lotus, CA cell towers and reception sites"). Towers should be erected where there is no signal, NOT where a cell signal is already present and strong. AT&T's own literature they submitted regarding the project shows clearly that it would only serve a specific area shown on their map (See Attachment entitled "AT&T's Existing LTE 700 coverage"). People who live in that area already have good cellular coverage according to the coverage map provided by AT&T. If a new tower is being considered it should be where fewer people have coverage including those who own local businesses in the area (see Attachment entitled "Local businesses near Lotus, CA"). AT&T describes the proposed site as "A relatively low populated area" so why not erect a tower where more people would benefit from it? The two alternative sites AT&T provides would be more beneficial and serve a lot more people and local businesses. If one looks at the topography map near Lotus and Gods Way (Attachment entitled "Topography Map") you will find that there are much higher elevations that would be more suitable for a telecommunications tower that would provide service to many more people. Also, based on the maps of towers already in place, there is no guarantee that cell service will be present or improve once a new tower is erected (see Attachments entitled "Complaints Regarding Coverage"). There are several areas where cell towers are present and service is still weak or not present at all.

God's Way is NOT a county maintained road. It took the efforts and funds of individual residents to fix and repair its horrible condition. Now that the road has been repaired, thanks to the hard work done by residents on Gods Way, it would probably more than likely get destroyed by a bunch of heavy machinery and equipment traveling on it to the proposed tower site. All that hard work would be a wasted effort. Who is going to pay for or fix / repair the road when there is new damage done? Is AT&T going to be responsible for keeping the road maintained, resurfaced or have it paved if the tower gets built? I personally contributed monetarily toward that repair work done on Gods Way and I do not want to see the road get damaged right after it was repaired.

The construction of such a tower would not only be unnecessary but it would also be jeopardizing the wildlife that live on and or around my land. My property is a recognized Certified Wildlife Habitat and considering that the National Wildlife Federation has given my property that distinction, any disruption to the

area surrounding my property or the adjoining BLM land would be a threat to many birds and animals. According to the Department of Fish and Game's list of endangered and or threatened species, there are at least 4 endangered and or threatened species of birds and or mammals that would be at risk if a construction project such as the erection of a telecommunications tower would take place. See (Attachments entitled "State and Federally Listed Endangered and Threatened Animals of California").

Even though it was suggested by the planning department to not bring up or mention anything that includes cancer risk or radiation etc. there is always going to be that concern. Several neighbors are truly and genuinely concerned about that. Sure the FCC has guidelines and rules it must follow but there is no way of knowing 100% that a tower like the one proposed will be safe for the surrounding neighbors and or animals / birds that go near it. Despite the fact the the FCC and OSHA regulations have been addressed I would also request that the US Nuclear Regulatory Commission be involved and submit their input regarding this telecommunications tower. The US NRC was never even mentioned in regard to the safety of this proposed tower. They are a hugely important organization with regards to public safety. (Please see attachments entitled "US NRC Radiation Exposure and Cancer", "NRC Mission" and "EMF brochure").

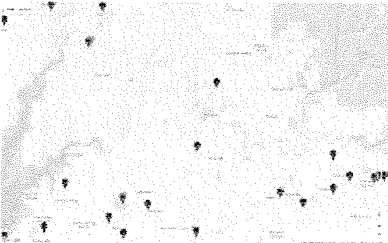
In addition to all of the negative aspects mentioned in this letter regarding this proposed project, I have also collected a list of signatures of all the neighbors living on or near Gods Way who also oppose this project on site #7. I sincerely hope that this project get rejected and that any future attempts to erect a tower in this proximity not even be considered.

Sincerely,
A concerned resident living on Gods Way

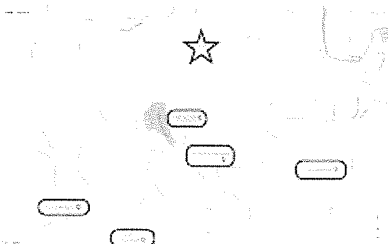
26 attachments




Topography map.png
1081K




Local cell towers near Lotus, CA.png
583K
























Local businesses near Gods Way Lotus, CA.png
228K

 **Need for cell tower pg 1.pdf**
83K

 **Need for cell tower pg 2.pdf**
82K

7/23/2018

Edcgov.us Mail - Regarding Site #7 on Conditional Use Permit AT&T Mobility (Epic Wireless)

-  **Verizon coverage Gods Way Lotus, CA.pdf**
326K
-  **Sprint coverage Gods Way Lotus, CA.pdf**
294K
-  **AT&T coverage Gods Way Lotus, CA.pdf**
244K
-  **T Mobile coverage Gods Way Lotus, CA pg 1.pdf**
390K
-  **T Mobile coverage Gods Way Lotus, CA pg 2.pdf**
87K
-  **Complaints regarding coverage pg 1.pdf**
169K
-  **Complaints regarding coverage pg 2.pdf**
180K
-  **Complaints regarding coverage pg 3.pdf**
156K
-  **plat map of Gods Way.pdf**
132K
-  **State and Federally Listed Endangered and Threatened Animals of California.pdf**
327K
-  **State and Federally Listed Endangered and Threatened Animals of California.pdf**
96K
-  **State and Federally Listed Endangered and Threatened Animals of California pg 2.pdf**
367K
-  **State and Federally Listed Endangered and Threatened Animals of California pg 3.pdf**
362K
-  **State and Federal Listed Endangered and Threatened Animals of California pg 4.pdf**
349K
-  **State and Federal Listed Endangered and Threatened Animals of California pg 4.pdf**
172K
-  **Lotus CA cell towers and signal map.pdf**
187K
-  **AT&T's Existing LTE 700 Coverage.pdf**
243K
-  **AT&T's Existing LTE 700 Coverage.pdf**
108K
-  **NRC Mission.pages**
60K
-  **US NRC Radiation Exposure and Cancer.pdf**
349K
-  **emf_brochure_webversion.pdf**
2992K

Search

Menu

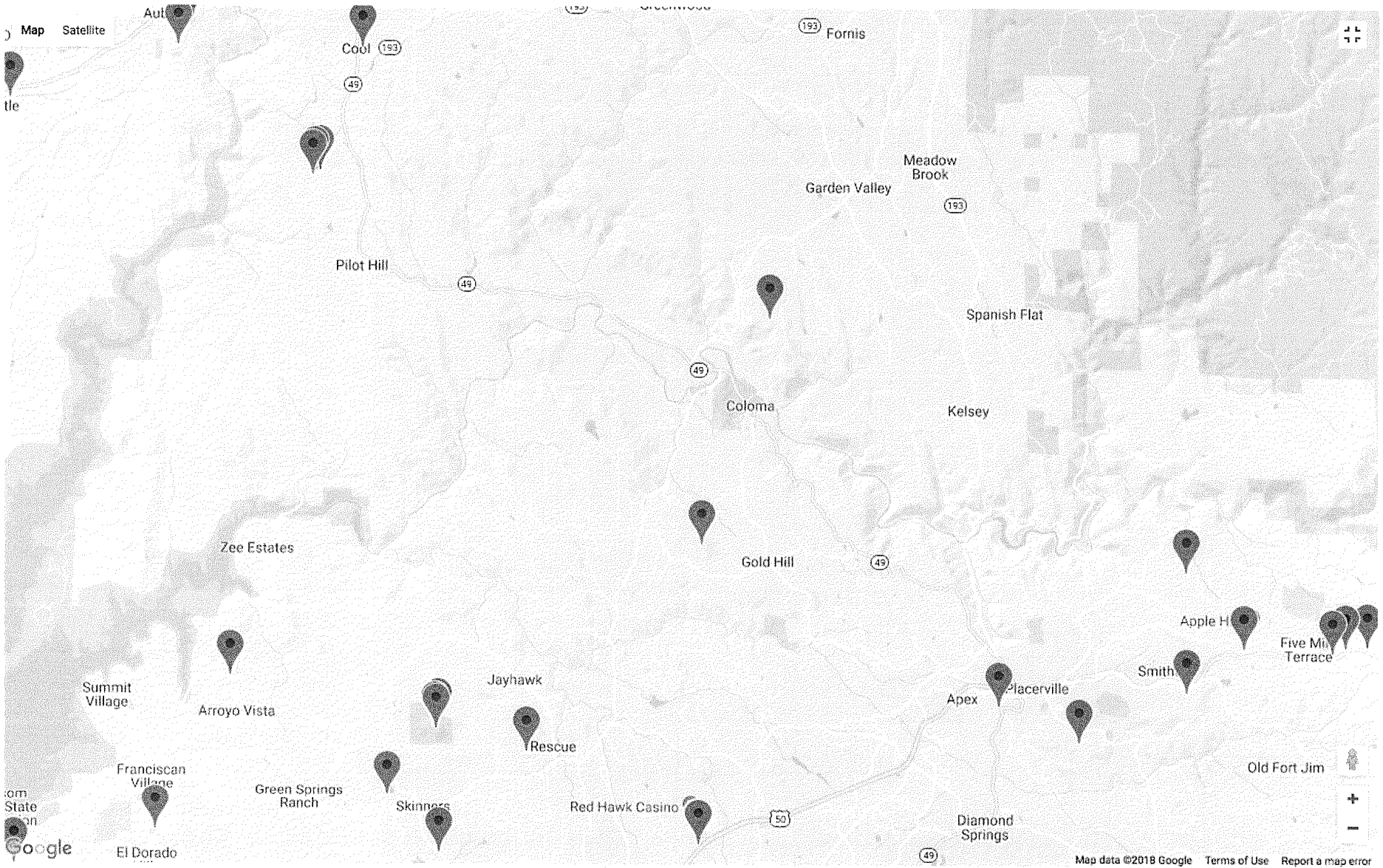


If You Bought an Airline Ticket between the U.S.

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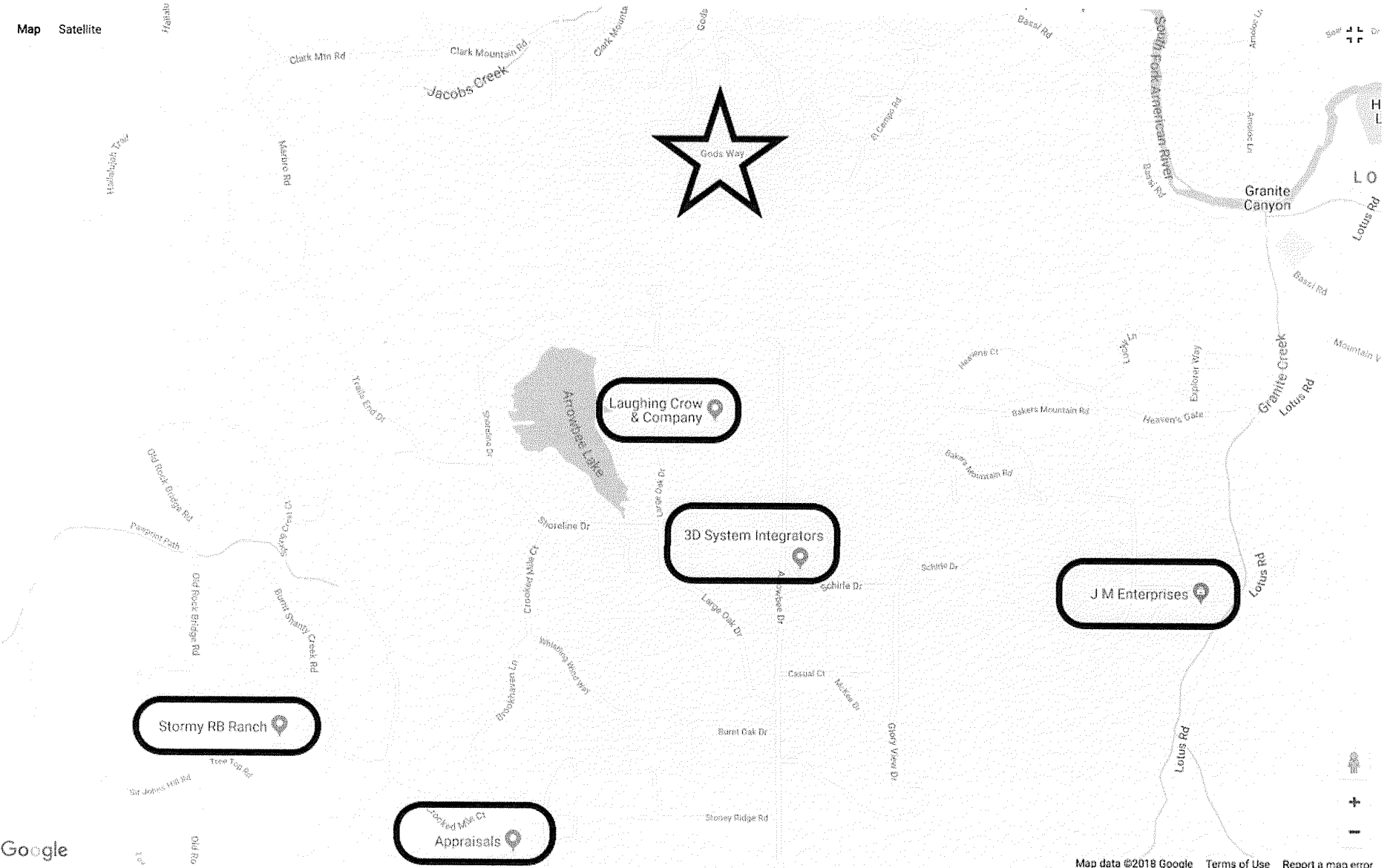
Got it!

18-1015 Public Comment
PC Rcvd 07-13-18



18-1015 Public Comment
PC Rcvd 07-13-18

Map Satellite



Google

Map data ©2018 Google Terms of Use Report a map error

18-1015 Public Comment
PC Rcvd 07-13-18

STEP 3. CHECK COVERAGE MAPS TO DETERMINE WHETHER THERE IS A NEED FOR A CELL TOWER AT YOUR LOCATION.

To do this, you can check individual wireless service providers' coverage maps by visiting their websites. Coverage maps for the Big Four Wireless Carriers are:

AT&T – <http://goo.gl/ufllwz> (<http://goo.gl/ufllwz>)

Sprint – <http://goo.gl/V65UE0> (<http://goo.gl/V65UE0>)

T-Mobile – <http://goo.gl/mx4hlO> (<http://goo.gl/mx4hlO>)

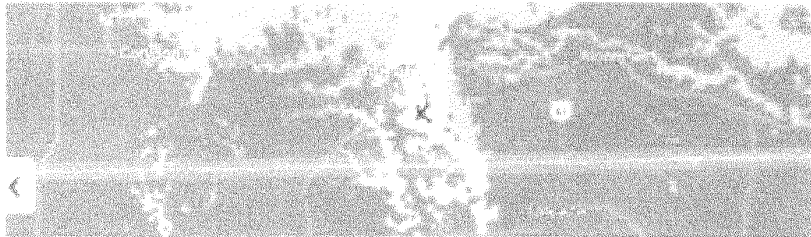
Verizon – <http://goo.gl/yWD7bs> (<http://goo.gl/yWD7bs>)(Scroll down once you go to this page)

<http://www.steelintheair.com/get-a-cell-tower-on-your-property/>

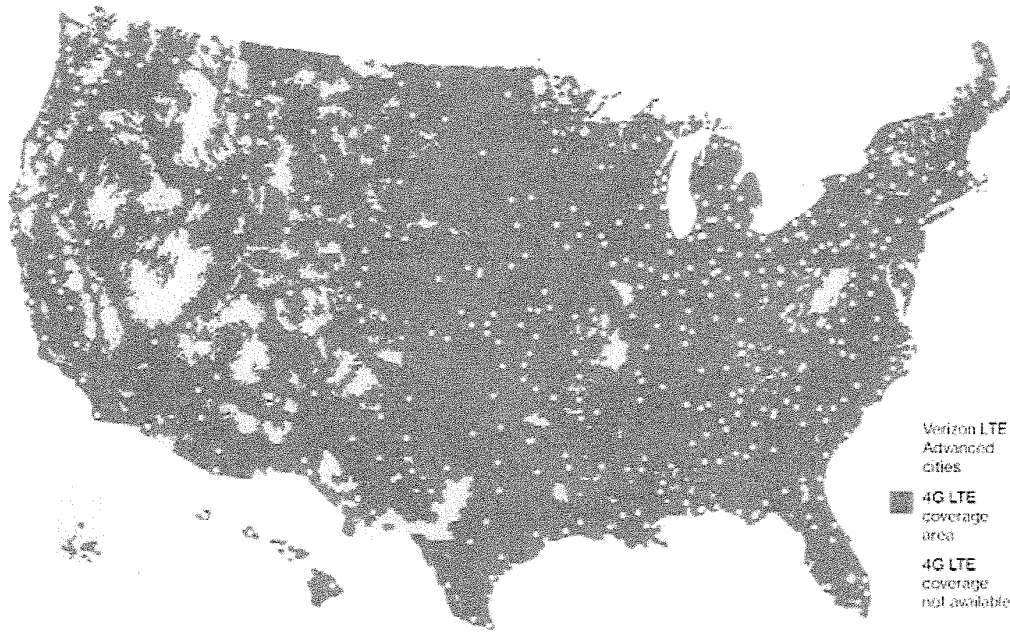
Page 2 of 5

HOW DO YOU READ A COVERAGE MAP?

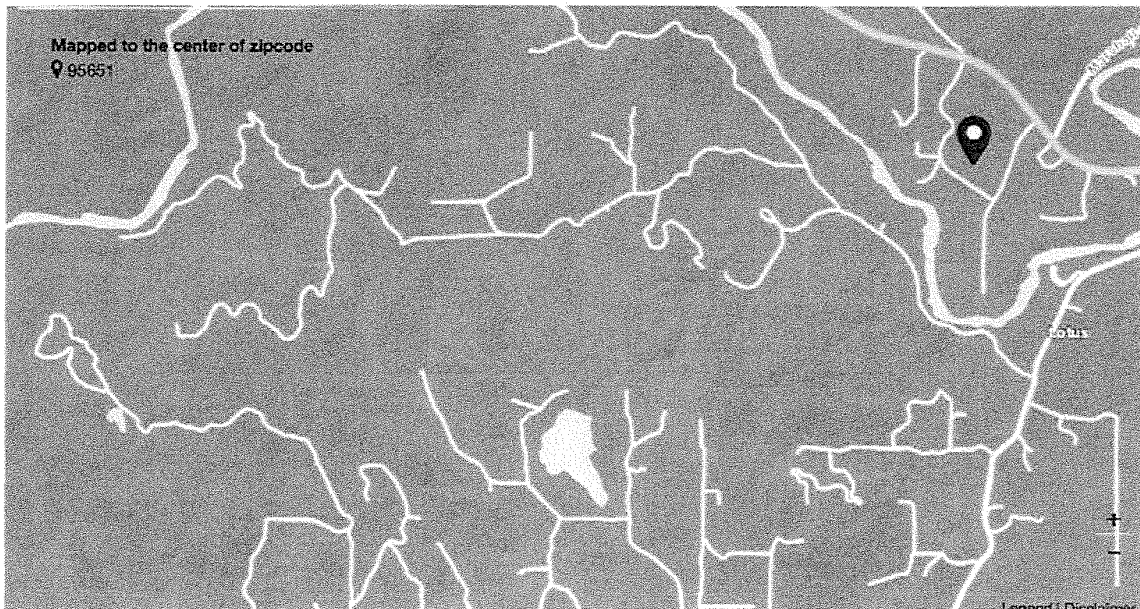
Carrier Coverage Map: Darkest areas = best coverage; White areas = No coverage



If you see solid color bars on each of the pages (encompassing data and voice), chances are quite high that a new cell tower is not needed. If coverage gaps are shown (lighter areas) within ½ mile of your property, your land might be worthwhile to wireless service providers as a new cell tower location.



Hide interactive map ^



Safari File Edit View History Bookmarks Window Help Sat 6:49 PM

coverage.sprint.com

Español Business **Call to order 1-866-275-1411** Sign In Stores

My Sprint Support Shop Why Sprint Search

Lotus, CA 95651, USA Map It! Live, Work, Play

Map data ©2018 Google | 100 m

Data coverage

- 4G LTE Excellent Signal
- 4G LTE Fair Signal
- Extended 4G LTE
These roaming areas are included in your plan. Some services may not be available. Learn more.
- Non-LTE
- Extended Non-LTE
These roaming areas are included in your plan. Some services may not be available. Learn more.
- Roaming coverage (Roaming Map)
- No coverage


[Learn about data speeds available by coverage.](#)
[Info about LTE Plus coverage.](#)
 Sprint Direct Connect is available where data coverage exists.

Coverage updated on: 6/15/18

You are viewing coverage that includes Sprint coverage and roaming.

[Shop for phones](#)
[International roaming coverage](#)

18-1015 Public Comment
PC Rcvd 07-13-18


[Shop & support](#)

[Sign in](#)
[Business >](#)

AT&T Maps

[Print](#)

85651

[Return to search location](#) | [View domestic locations](#)



Wireless Coverage Type

Domestic

- Voice
- Data
- AT&T PREPAID™ Service

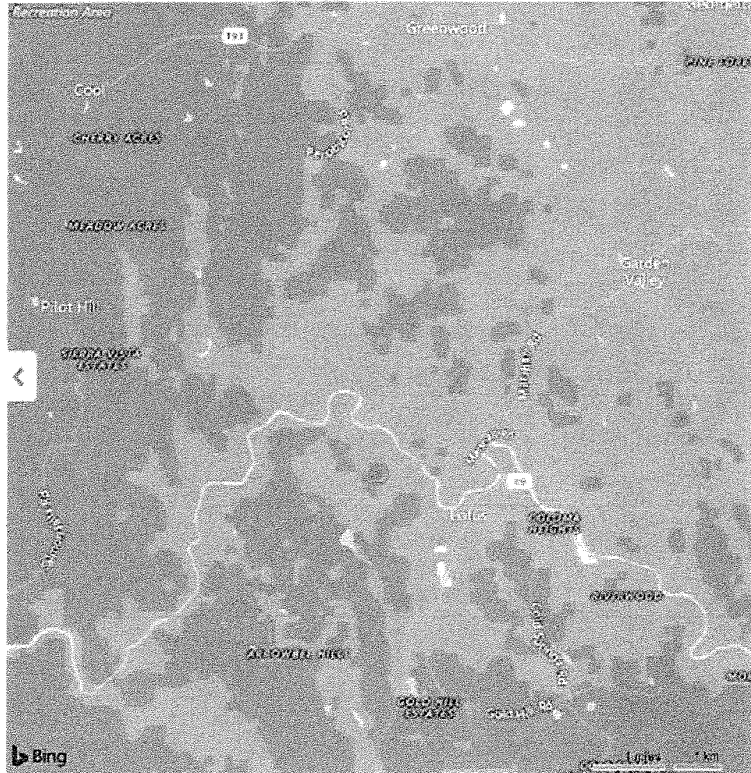
View Coverage by Device Type

- AT&T HD Voice
- Voice

Compatible device required

International

- Voice
- Data



 Your search
  AT&T HD Voice
  Voice
  3rd Party Coverage

[Learn more about legend](#)

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 Coverage not available in all areas.

 Coverage not available in all areas.

[Learn more](#)

LEGEND ^

Lotus, CA

CHECK COVERAGE

MY PLACES

CLOSE

✓ Customer Verified

4G LTE - Excellent Signal

4G LTE - Good Signal

4G LTE - Fair Signal

4G LTE - Partner

Talk, Text & Non-LTE Data

Coverage Across The Border

No Coverage

Click on the map for more coverage details



See how coverage can improve with **Extended Range LTE-600 MHz**

communicate with T-Mobile in these areas

Was this review helpful to you? [Yes](#) [No](#)

T-Mobile

★★★★ (4 stars) | 18654 Parshing Ave., Fair Oaks, CA 95628 | June 24, 2018

I have no qualms about the reception that I get. It works everywhere that I try it I can stream videos off of YouTube and answer the telephone at the same time. Metro PCS riding on the T-Mobile network works for me

Was this review helpful to you? [Yes](#) [No](#)

AT&T

★☆☆ (1 star) | Fiddymont | Blue Oaks, Roseville, CA 95747 | June 02, 2018

ATT has no reception in my house! When driving on Blue Oaks, I get 1-2 bars and internet drops from LTE to 4G. Cellular service for ATT is horribale in most parts of Roseville. Just moved here and regretting it now because I don't get service anywhere!

Was this review helpful to you? [Yes](#) [No](#)

AT&T

★☆☆ (1 star) | Creecondo / Harmony, Roseville, CA 95678 | May 27, 2018

New phone and no bars. I think I need to go to Verizon

Was this review helpful to you? [Yes](#) [No](#)





Verizon

★ ★ (2 stars) | Grenada Way, Citrus Heights, CA 95621 | May 02, 2018

Unbelievably weak signal on four different devices. 1 to 2 bars at best.

Was this review helpful to you? [Yes](#) [No](#)

AT&T

★ (1 star) | Hwy. 65 | Stanford Ranch, Rocklin, CA 95677 | April 13, 2018

I live along highway 50 and never have an issue with AT&T but recently started working in Rocklin off 65 and Galleria / Stanford Ranch. Rarely do I have more than 1 bar anywhere in Rocklin which prevents me from using almost anything internet based on my phone and even my navigation has problems getting directions. I don't understand how AT&T has any customers in this area since the service coverage is absolutely atrocious.

Was this review helpful to you? [Yes](#) [No](#)

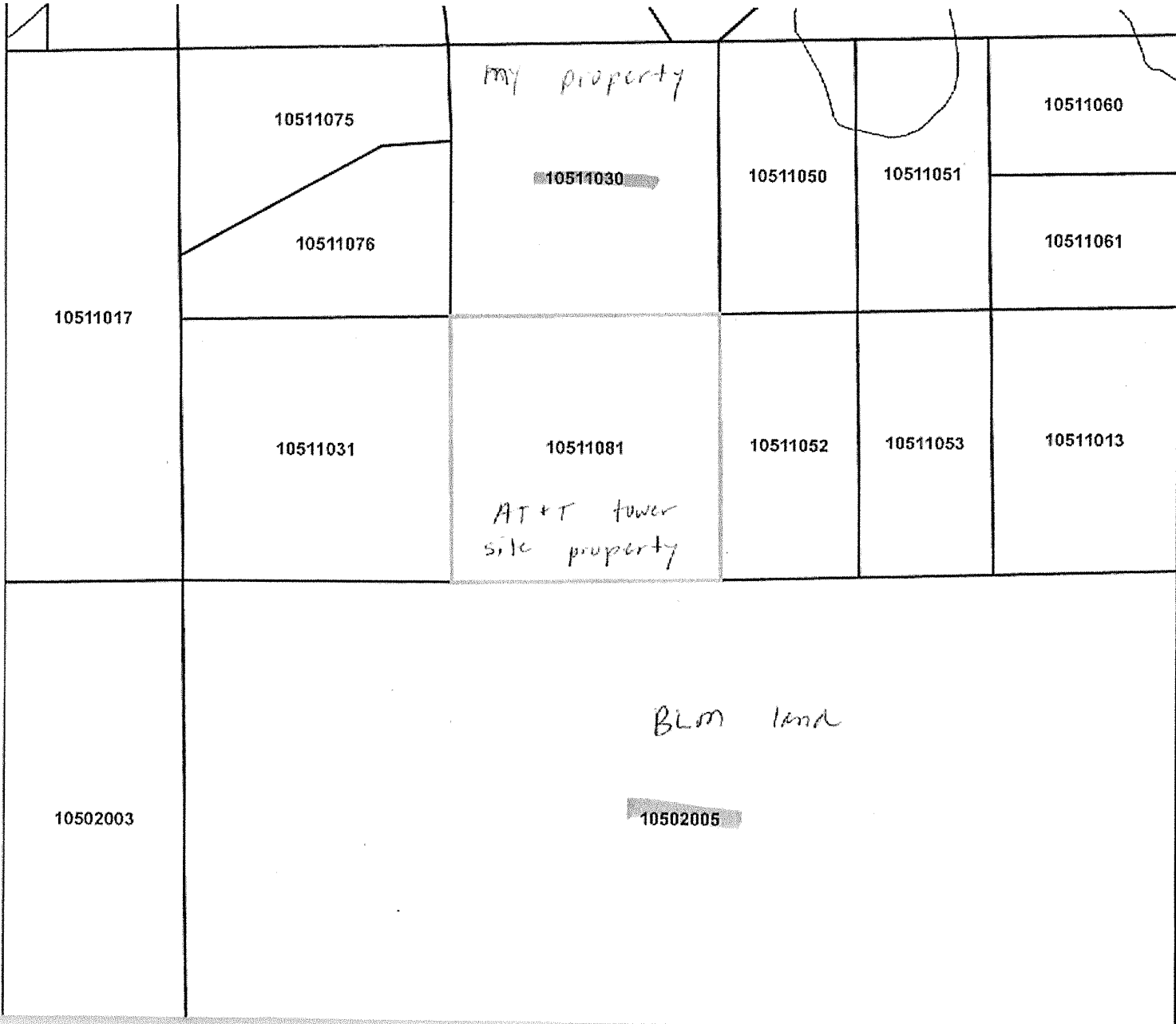
Verizon

★ (0 stars) | Fair Oaks Blvd & Madelon Ave., Fair Oaks, CA 95629 | April 07, 2018

Just paid Verizon \$266.,and my internet fades in and out. Very unsatisfied. After 20 years might have to change.

Was this review helpful to you? [Yes](#) [No](#)

Verizon



State of California
 Natural Resources Agency
 DEPARTMENT OF FISH AND WILDLIFE
 Biogeographic Data Branch
 California Natural Diversity Database

STATE AND FEDERALLY LISTED ENDANGERED AND THREATENED ANIMALS OF CALIFORNIA

May 2018

This is a list of animals found within California or off the coast of the State that have been classified as Endangered or Threatened by the California Fish & Game Commission (state list) or by the U.S. Secretary of the Interior or the U.S. Secretary of Commerce (federal list). The federal agencies responsible for listing are the U.S. Fish and Wildlife Service (USFWS) and the National Marine Fisheries Service (NMFS).

All species with a federal list date of March 11, 1967 were listed under the federal Endangered Species Preservation Act of 1966. Subsequent federal laws include the Endangered Species Conservation Act of 1969, and the Endangered Species Act of 1973. The official federal listing of Endangered and Threatened animals is published in the Federal Register, 50 CFR 17.11.

The California Endangered Species Act of 1970 created the categories of "Endangered" and "Rare," and taxa with a state list date of June 27, 1971 were protected under this statute. The California Endangered Species Act was amended in 1984, at which time the "Rare" status was changed to "Threatened," and on January 1, 1985, all animal species previously designated as "Rare" were reclassified as "Threatened." The official California listing of Endangered and Threatened animals is contained in the California Code of Regulations, Title 14, Section 670.5.

Also included on this list are animal "candidates" for state listing and animals "proposed" for federal listing. A state candidate species is one that the California Fish and Game Commission (FGC) has formally declared a candidate species. A species designated as "federally proposed" is one that was found by the governing agency to warrant listing, and was officially proposed as such with a published "Proposed Rule to List" in the Federal Register. Federal *candidate* species are not included herein.

| Abbreviation | Designation | Totals as of May 2018 |
|---|---------------------------------|--------------------------|
| SE | State listed – Endangered | 48 |
| ST | State listed – Threatened | 39 |
| SC | State candidate – T or E | 4 |
| SCD | State candidate – Delisting | 0 |
| SDR | State delisted – Recovered | 2 |
| SDE | State delisted – Extinct | 2 |
| FE | Federally listed – Endangered | 87 |
| ET | Federally listed – Threatened | 42 |
| FPE | Federally proposed – Endangered | 0 |
| FPT | Federally proposed – Threatened | 1 |
| FPD | Federally proposed – Delisting | 2 |
| FDR | Federally delisted – Recovered | 12 |
| FDE | Federally delisted – Extinct | 2 |
| Number of candidate/proposed animals for listing | | 5 |
| Number of animals State-listed only | | 42 |
| Number of animals Federally-listed only | | 78 |
| Number of animals listed under both State & Federal Acts | | 51 |
| Total number of animals listed | | 171 |
| (total includes subspecies, distinct population segments, and ecologically significant units when listed separately) | | |

State of California
 Natural Resources Agency
 DEPARTMENT OF FISH AND WILDLIFE
 Biogeographic Data Branch
 California Natural Diversity Database

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| (total includes subspecies, distinct population segments, and ecologically significant units when listed separately) | | |

State and Federally Listed Endangered and Threatened Animals of California
Last updated May 2018

| Taxon | Common Name | State Status | State List Date | Federal Status | Federal List Date | Notes |
|--|---|----------------|----------------------|-----------------------------|--|--|
| GEKKONIDAE | Geckos | | | | | |
| <i>Coleonyx switaki</i> | Barefoot gecko | ST | 19801002 | | | Alternate common names: Switak's banded gecko, barefoot banded gecko. |
| CROTAPHYTIDAE | Collared & leopard lizards | | | | | |
| <i>Gambelia sila</i> | Blunt-nosed leopard lizard | SE | 19710627 | FE | 19670311 | Synonymous with <i>Gambelia silus</i> . Originally listed under the ESA as <i>Crotaphytus wislizenii silus</i> . |
| PHRYNOSOMATIDAE | Spiny lizards | | | | | |
| <i>Uma inornata</i> | Coachella Valley fringe-toed lizard | SE | 19801002 | FT | 19801027 | |
| XANTUSIIDAE | Night lizards | | | | | |
| | | | | | | |
| BOIDAE | Boas | | | | | |
| <i>Charina umbratica</i> | Southern rubber boa | ST | 19710627 | | | Synonymous with <i>Charina hotta umbratica</i> . |
| COLUBRIDAE | Egg-laying snakes | | | | | |
| <i>Masticophis lateralis euryxanthus</i> | Alameda whipsnake | ST | 19710627 | FT | 19971205 | Synonymous with <i>Coluber lateralis euryxanthus</i> . |
| NATRICIDAE | Live-bearing snakes | | | | | |
| <i>Thamnophis gigas</i> | Giant garter snake | ST | 19710627 | FT | 19931119 | Listed by State of California as <i>Thamnophis couchi gigas</i> . |
| <i>Thamnophis sirtalis tetrataenia</i> | San Francisco garter snake | SE | 19710627 | FE | 19670311 | |
| BIRDS | | | | | | |
| ANATIDAE | Ducks, geese, & swans | | | | | |
| | | | | | | |
| DIOMEDEIDAE | Albatross | | | | | |
| <i>Phoebastria albatrus</i> | Short-tailed albatross | | | FE FE | 20000830 19700602 | Synonymous with <i>Diomedea albatrus</i> . Listed as Endangered in one of the original species lists, but "due to an inadvertent oversight" when the 1973 ESA repealed the 1969 Act, short-tailed albatross was effectively delisted. Proposed listing to fix this error in 1980, with final rule in 2000. |
| PELECANIIDAE | Pelicans | | | | | |
| | | | | | | |
| CATHARTIDAE | New World vultures | | | | | |
| <i>Gymnogyps californianus</i> | California condor | SE | 19710627 | FE | 19670311 | |
| ACCIPITRIDAE | Hawks, kites, harriers, & eagles | | | | | |
| <i>Buteo swainsoni</i> | Swainson's hawk | ST | 19830417 | | | |
| <i>Haliaeetus leucocephalus</i> | Bald eagle | SE (rev) SE | 19801002 19710627 | FDR FT FE (rev) FE | 20070808 19950811 19780316 19670311 | The Post-delisting Monitoring Plan will monitor the status of the bald eagle over a 20 year period with sampling events held once every 5 years. |

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|--|---|----------------|----------------------|-----------------------------|--|--|
| GEKKONIDAE | Geckos | | | | | |
| <i>Coleonyx switaki</i> | Barefoot gecko | ST | 19801002 | | | Alternate common names: Switak's banded gecko, barefoot banded gecko. |
| CROTAPHYTIDAE | Collared & leopard lizards | | | | | |
| <i>Gambelia sila</i> | Blunt-nosed leopard lizard | SE | 19710627 | FE | 19670311 | Synonymous with <i>Gambelia silus</i> . Originally listed under the ESA as <i>Crotaphytus wislizenii silus</i> . |
| PHRYNOSOMATIDAE | Spiny lizards | | | | | |
| <i>Uma inornata</i> | Coachella Valley fringe-toed lizard | SE | 19801002 | FT | 19801027 | |
| XANTUSIIDAE | Night lizards | | | | | |
| | | | | | | |
| BOIDAE | Boas | | | | | |
| <i>Charina umbratica</i> | Southern rubber boa | ST | 19710627 | | | Synonymous with <i>Charina bottae umbratica</i> . |
| COLUBRIDAE | Egg-laying snakes | | | | | |
| <i>Masticophis lateralis euryxanthus</i> | Alameda whipsnake | ST | 19710627 | FT | 19971205 | Synonymous with <i>Coluber lateralis euryxanthus</i> . |
| NATRICIDAE | Live-bearing snakes | | | | | |
| <i>Thamnophis gigas</i> | Giant garter snake | ST | 19710627 | FT | 19931119 | Listed by State of California as <i>Thamnophis couchi gigas</i> . |
| <i>Thamnophis sirtalis tetrataenia</i> | San Francisco garter snake | SE | 19710627 | FE | 19670311 | |
| BIRDS | | | | | | |
| ANATIDAE | Ducks, geese, & swans | | | | | |
| | | | | | | |
| DIOMEDEIDAE | Albatross | | | | | |
| <i>Phoebastria albatrus</i> | Short-tailed albatross | | | FE FE | 20000830 19700602 | Synonymous with <i>Diomedea albatrus</i> . Listed as Endangered in one of the original species lists, but "due to an inadvertent oversight" when the 1973 ESA repealed the 1969 Act, short-tailed albatross was effectively delisted. Proposed listing to fix this error in 1980, with final rule in 2000. |
| PELECANIIDAE | Pelicans | | | | | |
| | | | | | | |
| CATHARTIDAE | New World vultures | | | | | |
| <i>Gymnogyps californianus</i> | California condor | SE | 19710627 | FE | 19670311 | |
| ACCIPITRIDAE | Hawks, kites, harriers, & eagles | | | | | |
| <i>Buteo swainsoni</i> | Swainson's hawk | ST | 19830417 | | | |
| <i>Haliaeetus leucocephalus</i> | Bald eagle | SE (rev) SE | 19801002 19710627 | FDR FT FE (rev) FE | 20070808 19950811 19780316 19670311 | The Post-delisting Monitoring Plan will monitor the status of the bald eagle over a 20 year period with sampling events held once every 5 years. |

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| Taxon | Common Name | State Status | State List Date | Federal Status | Federal List Date | Notes |
|--|--|--------------|----------------------|----------------|-------------------|---|
| FALCONIDAE | Falcons | | | | | |
| | | | | | | |
| | | | | | | |
| RALLIDAE | Rails, coots, & gallinules | | | | | |
| <i>Laterallus jamaicensis coturniculus</i> | California black rail | ST | 19710627 | | | |
| <i>Rallus obsoletus levipes</i> | Light-footed Ridgway's rail | SE | 19710627 | FE | 19701013 | Formerly light-footed clapper rail, <i>Rallus longirostris levipes</i> |
| <i>Rallus obsoletus obsoletus</i> | California Ridgway's rail | SE | 19710627 | FE | 19701013 | Formerly California clapper rail, <i>Rallus longirostris obsoletus</i> |
| <i>Rallus obsoletus yumanensis</i> | Yuma Ridgway's rail | ST SF | 19780222 19710627 | FE | 19670311 | Formerly Yuma clapper rail, <i>Rallus longirostris yumanensis</i> |
| GRUIDAE | Cranes | | | | | |
| <i>Grus canadensis tabida</i> | Greater sandhill crane | ST | 19830417 | | | |
| CHARADRIIDAE | Plovers & relatives | | | | | |
| <i>Charadrius nivosus nivosus</i> | Western snowy plover | | | FT | 19930405 | Synonymous with <i>Charadrius alexandrinus nivosus</i> . Federal status applies only to the Pacific coastal population. |
| LARIDAE | Gulls & terns | | | | | |
| <i>Sterna antillarum browni</i> | California least tern | SE | 19710627 | FE | 19700602 | Listed by the State of California and federal government as <i>Sterna antillarum browni</i> . |
| ALCIDAE | Auklets, puffins, & relatives | | | | | |
| <i>Brachyramphus marmoratus</i> | Marbled murrelet | SE | 19920312 | FT | 19920928 | |
| <i>Synthliboramphus scrippsi</i> | Scripps's murrelet (=Xantus's murrelet) | ST | 20041222 | | | At the time of listing, this species was known as the Xantus's Murrelet (<i>Synthliboramphus hypoleucus</i> , with California breeding populations ascribed to <i>Synthliboramphus hypoleucus subsp. scrippsi</i>). |
| <i>Synthliboramphus hypoleucus</i> | Guadalupe murrelet (=Xantus's murrelet) | ST | 20041222 | | | At the time of listing, this species was known as the Xantus's Murrelet (<i>Synthliboramphus hypoleucus</i> , with breeding populations from Baja California ascribed to <i>Synthliboramphus hypoleucus subsp. hypoleucus</i>). |
| CUCULIDAE | Cuckoos & relatives | | | | | |
| <i>Coccyzus americanus occidentalis</i> | Western yellow-billed cuckoo | SE ST | 19880326 19710627 | FT | 20141103 | Federal listing is for the Western DPS of <i>Coccyzus americanus</i> . |
| STRIGIDAE | Owls | | | | | |
| <i>Micrathene whitneyi</i> | Elf owl | SE | 19801002 | | | |
| <i>Strix nebulosa</i> | Great gray owl | SE | 19801002 | | | |
| <i>Strix occidentalis caurina</i> | Northern spotted owl | ST | 20170621 | FT | 19900723 | On 20160825 the FGC voted to list the Northern spotted owl as threatened; findings were adopted 20170621. |

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| Taxon | Common Name | State Status | State List Date | Federal Status | Federal List Date | Notes |
|--|--|--------------|----------------------|----------------|-------------------|---|
| FALCONIDAE | Falcons | | | | | |
| | | | | | | |
| | | | | | | |
| RALLIDAE | Rails, coots, & gallinules | | | | | |
| <i>Laterallus jamaicensis coturniculus</i> | California black rail | ST | 19710627 | | | |
| <i>Rallus obsoletus levipes</i> | Light-footed Ridgway's rail | SE | 19710627 | FE | 19701013 | Formerly light-footed clapper rail, <i>Rallus longirostris levipes</i> |
| <i>Rallus obsoletus obsoletus</i> | California Ridgway's rail | SE | 19710627 | FE | 19701013 | Formerly California clapper rail, <i>Rallus longirostris obsoletus</i> |
| <i>Rallus obsoletus yumanensis</i> | Yuma Ridgway's rail | ST SE | 19780222 19710627 | FE | 19670311 | Formerly Yuma clapper rail, <i>Rallus longirostris yumanensis</i> |
| GRUIDAE | Cranes | | | | | |
| <i>Grus canadensis tabida</i> | Greater sandhill crane | ST | 19830417 | | | |
| CHARADRIIDAE | Plovers & relatives | | | | | |
| <i>Charadrius nivosus nivosus</i> | Western snowy plover | | | FT | 19930405 | Synonymous with <i>Charadrius alexandrinus nivosus</i> . Federal status applies only to the Pacific coastal population. |
| LARIDAE | Gulls & terns | | | | | |
| <i>Sternula antillarum browni</i> | California least tern | SE | 19710627 | FE | 19700602 | Listed by the State of California and federal government as <i>Sterna antillarum browni</i> . |
| ALCIDAE | Auklets, puffins, & relatives | | | | | |
| <i>Brachyramphus marmoratus</i> | Marbled murrelet | SE | 19920312 | FT | 19920928 | |
| <i>Synthliboramphus scrippsi</i> | Scripps's murrelet (=Xantus's murrelet) | ST | 20041222 | | | At the time of listing, this species was known as the Xantus's Murrelet (<i>Synthliboramphus hypoleucus</i> , with California breeding populations ascribed to <i>Synthliboramphus hypoleucus subsp. scrippsi</i>). |
| <i>Synthliboramphus hypoleucus</i> | Guadalupe murrelet (=Xantus's murrelet) | ST | 20041222 | | | At the time of listing, this species was known as the Xantus's Murrelet (<i>Synthliboramphus hypoleucus</i> , with breeding populations from Baja California ascribed to <i>Synthliboramphus hypoleucus subsp. hypoleucus</i>). |
| CUCULIDAE | Cuckoos & relatives | | | | | |
| <i>Coccyzus americanus occidentalis</i> | Western yellow-billed cuckoo | SE ST | 19880326 19710627 | FT | 20141103 | Federal listing is for the Western DPS of <i>Coccyzus americanus</i> . |
| STRIGIDAE | Owls | | | | | |
| <i>Microathene whitneyi</i> | Elf owl | SE | 19801002 | | | |
| <i>Strix nebulosa</i> | Great gray owl | SE | 19801002 | | | |
| <i>Strix occidentalis caurina</i> | Northern spotted owl | ST | 20170621 | FT | 19900723 | On 20160825 the FGC voted to list the Northern spotted owl as threatened; findings were adopted 20170621. |

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| Taxon | Common Name | State Status | State List Date | Federal Status | Federal List Date | Notes |
|--|-----------------------------------|--------------|-----------------|----------------|----------------------|---|
| CIDAE | Woodpeckers | | | | | |
| <i>Colaptes chrysoides</i> | Gilded (=Gilded northern) flicker | SE | 19880317 | | | Listed by the State of California as <i>Colaptes auratus chrysoides</i> . |
| <i>Melanerpes uropygialis</i> | Gila woodpecker | | 19880317 | | | |
| TYRANNIDAE | Tyrant flycatchers | | | | | |
| <i>Empidonax traillii</i> | Willow flycatcher | SE | 19910102 | | | State listing includes all subspecies. |
| <i>Empidonax traillii extimus</i> | Southwestern willow flycatcher | (SE) | | FE | 19950329 | |
| LANIIDAE | Shrikes | | | | | |
| <i>Lanius ludovicianus mearnsi</i> | San Clemente loggerhead shrike | | | FE | 19770912 | |
| VIREONIDAE | Vireos | | | | | |
| <i>Vireo bellii arizonae</i> | Arizona Bell's vireo | SE | 19880317 | | | |
| <i>Vireo bellii pusillus</i> | Least Bell's vireo | SE | 19801002 | FE | 19860602 | |
| HIRUNDINIDAE | Swallows | | | | | |
| <i>Riparia riparia</i> | Bank swallow | ST | 19890611 | | | |
| POLIOPTILIDAE | Gnatcatchers | | | | | |
| <i>Polioptila californica californica</i> | Coastal California gnatcatcher | | | FT | 19930330 | |
| EMBERIZIDAE | Sparrows, buntings, | | | | | |
| <i>Artemisiaspiza belli clementeae</i> | San Clemente sage sparrow | | | FT | 19770912 | Federal nomenclature at time of listing: <i>Amphispiza belli clementeae</i> . |
| | | | | | | |
| <i>Melospiza crissalis eremophilus</i> | Inyo California towhee | SE | 19801002 | FPD FT | 20131104 19870902 | Listed by the State of California and federal government as <i>Pipilo crissalis eremophilus</i> . |
| <i>Passerculus sandwichensis beldingii</i> | Belding's savannah sparrow | SE | 19740110 | | | Listed by the State of California as <i>Passerculus sandwichensis beldingii</i> |
| ICTERIDAE | Blackbirds | | | | | |
| <i>Agelaius tricolor</i> | Tricolored blackbird | SC | 20151210 | | | FGC voted to advance to candidacy 20151210. Notice date pending. |
| MAMMALS | | | | | | |
| SORICIDAE | Shrews | | | | | |
| <i>Sorex ornatus relictus</i> | Buena Vista Lake ornate shrew | | | FE | 20020405 | |
| PHYLLOSTOMIDAE | Leaf-nosed bats | | | | | |
| <i>Leptonycteris yerbabuena</i> | Lesser long-nosed bat | | | FE | 19881031 | |
| LEPORIDAE | Rabbits & hares | | | | | |
| <i>Sylvilagus bachmani riparius</i> | Riparian brush rabbit | SE | 19940529 | FE | 20000324 | |
| APLODONTIDAE | Mountain beavers | | | | | |
| <i>Aplodontia rufa nigra</i> | Point Arena mountain beaver | | | FE | 19911212 | |

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| Taxon | Common Name | State Status | State List Date | Federal Status | Federal List Date | Notes |
|--|-----------------------------------|--------------|-----------------|----------------|----------------------|---|
| CICADAE | Woodpeckers | | | | | |
| <i>Colaptes chrysoides</i> | Gilded (=Gilded northern) flicker | SE | 19880317 | | | Listed by the State of California as <i>Colaptes auratus chrysoides</i> . |
| <i>Melanerpes uropygialis</i> | Gila woodpecker | | 19880317 | | | |
| TYRANNIDAE | Tyrant flycatchers | | | | | |
| <i>Empidonax traillii</i> | Willow flycatcher | SE | 19910102 | | | State listing includes all subspecies. |
| <i>Empidonax traillii extimus</i> | Southwestern willow flycatcher | (SE) | | FE | 19950329 | |
| LANIIDAE | Shrikes | | | | | |
| <i>Lanius ludovicianus mearnsi</i> | San Clemente loggerhead shrike | | | FE | 19770912 | |
| VIREONIDAE | Vireos | | | | | |
| <i>Vireo bellii arizonae</i> | Arizona Bell's vireo | SE | 19880317 | | | |
| <i>Vireo bellii pusillus</i> | Least Bell's vireo | SE | 19801002 | FE | 19860602 | |
| HIRUNDINIDAE | Swallows | | | | | |
| <i>Riparia riparia</i> | Bank swallow | ST | 19890611 | | | |
| POLIOPTILIDAE | Gnatcatchers | | | | | |
| <i>Palaoptila californica californica</i> | Coastal California gnatcatcher | | | FT | 19930330 | |
| EMBERIZIDAE | Sparrows, buntings, | | | | | |
| <i>Artemisiospiza belli clementeae</i> | San Clemente sage sparrow | | | FT | 19770912 | Federal nomenclature at time of listing: <i>Amphispiza belli clementeae</i> . |
| | | | | | | |
| <i>Melospiza crissalis eremophilus</i> | Inyo California towhee | SE | 19801002 | FPD FT | 20131104 19870902 | Listed by the State of California and federal government as <i>Pipilo crissalis eremophilus</i> . |
| <i>Passerculus sandwichensis beldingii</i> | Belding's savannah sparrow | SE | 19740110 | | | Listed by the State of California as <i>Passerculus sandwichensis beldingii</i> . |
| ICTERIDAE | Blackbirds | | | | | |
| <i>Agelaius tricolor</i> | Tricolored blackbird | SC | 20151210 | | | FGC voted to advance to candidacy 20151210. Notice date pending. |
| MAMMALS | | | | | | |
| SORICIDAE | Shrews | | | | | |
| <i>Sorex ornatus relictus</i> | Buena Vista Lake ornate shrew | | | FE | 20020405 | |
| PHYLLOSTOMIDAE | Leaf-nosed bats | | | | | |
| <i>Leptonycteris yerbabuena</i> | Lesser long-nosed bat | | | FE | 19881031 | |
| LEPORIDAE | Rabbits & hares | | | | | |
| <i>Sylvilagus bachmani riparius</i> | Riparian brush rabbit | SE | 19940529 | FE | 20000324 | |
| APLODONTIDAE | Mountain beavers | | | | | |
| <i>Apodantia rufo nigra</i> | Point Arena mountain beaver | | | FE | 19911212 | |

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|--|--|--------------|----------------------|----------------|----------------------|--|
| SCIURIDAE | Squirrels & relatives | | | | | |
| <i>Ammospermophilus nelsoni</i> | Nelson's (=San Joaquin) antelope squirrel | ST | 19801002 | | | |
| <i>Xerospermophilus mohavensis</i> | Mohave ground squirrel | ST | 19710627 | | | Listed by the State of California as <i>Spermophilus mohavensis</i> . |
| HETEROMYIDAE | Kangaroo rats, pocket mice, & kangaroo mice | | | | | |
| <i>Dipodomys heermanni morroensis</i> | Morro Bay kangaroo rat | SE | 19710627 | FE | 19701013 | |
| <i>Dipodomys ingens</i> | Giant kangaroo rat | SE | 19801002 | FE | 19870105 | |
| <i>Dipodomys merriami parvus</i> | San Bernardino kangaroo rat | | | FE | 19980924 | Federal nomenclature: San Bernardino Merriam's kangaroo rat. |
| <i>Dipodomys nitrataoides exilis</i> | Fresno kangaroo rat | SE ST | 19801002 19710627 | FE | 19850301 | |
| <i>Dipodomys nitrataoides nitrataoides</i> | Tipton kangaroo rat | SE | 19890611 | FE | 19880808 | |
| <i>Dipodomys stephensi</i> | Stephens' kangaroo rat | ST | 19710627 | FE | 19881031 | |
| <i>Perognathus longimembris pacificus</i> | Pacific pocket mouse | | | FE | 19940926 | |
| MURIDAE | Mice, rats, & voles | | | | | |
| <i>Microtus californicus scirpensis</i> | Amargosa vole | SE | 19801002 | FE | 19841217 | |
| <i>Neotoma fuscipes riparia</i> | Riparian woodrat | | | FE | 20000324 | |
| <i>Reithrodontomys raviventris</i> | Salt-marsh harvest mouse | SE | 19710627 | FE | 19701013 | |
| CANIDAE | Foxes, wolves, & coyotes | | | | | |
| <i>Canis lupus</i> | Gray wolf | SE | 20170101 | FPD FE | 20130613 19780410 | |
| <i>Urocyon littoralis</i> | Island fox | ST | 19710627 | (FE) | | State listing includes all 6 subspecies on all 6 islands. Federal listing is for only 4 subspecies on 4 islands. |
| <i>Urocyon littoralis catalinae</i> | Santa Catalina Island Fox | (ST) | | FT FE | 20160912 20040405 | |
| <i>Urocyon littoralis littoralis</i> | San Miguel Island Fox | (ST) | | FDR FE | 20160912 20040405 | |
| <i>Urocyon littoralis santacruzae</i> | Santa Cruz Island Fox | (ST) | | FDR FE | 20160216 20040405 | |
| <i>Urocyon littoralis santarasae</i> | Santa Rosa Island Fox | (ST) | | FDR FE | 20160216 20040405 | |
| <i>Vulpes macrotis</i> | San Joaquin kit fox | ST | 19710627 | FE | 19670311 | |
| <i>Vulpes vulpes necator</i> | Sierra Nevada red fox | ST | 19801002 | | | |
| MUSTELIDAE | Weasels & relatives | | | | | |
| <i>Enhydra lutris nereis</i> | Southern sea otter | | | FT | 19770114 | |

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|--|--|--------------|----------------------|----------------|----------------------|--|
| SCIURIDAE | Squirrels & relatives | | | | | |
| <i>Ammospermophilus nelsoni</i> | Nelson's (=San Joaquin) antelope squirrel | ST | 19801002 | | | |
| <i>Xerospermophilus mohavensis</i> | Mohave ground squirrel | ST | 19710627 | | | Listed by the State of California as <i>Spermophilus mohavensis</i> . |
| HETEROMYIDAE | Kangaroo rats, pocket mice, & kangaroo mice | | | | | |
| <i>Dipodomys heermanni morroensis</i> | Morro Bay kangaroo rat | SE | 19710627 | FE | 19701013 | |
| <i>Dipodomys ingens</i> | Giant kangaroo rat | SE | 19801002 | FE | 19870105 | |
| <i>Dipodomys merriami parvus</i> | San Bernardino kangaroo rat | | | FE | 19980924 | Federal nomenclature: San Bernardino Merriam's kangaroo rat. |
| <i>Dipodomys nitrataoides exilis</i> | Fresno kangaroo rat | SE ST | 19801002 19710627 | FE | 19850301 | |
| <i>Dipodomys nitrataoides nitrataoides</i> | Tipton kangaroo rat | SE | 19890611 | FE | 19880808 | |
| <i>Dipodomys stephensi</i> | Stephens' kangaroo rat | ST | 19710627 | FE | 19881031 | |
| <i>Perognathus longimembris pacificus</i> | Pacific pocket mouse | | | FE | 19940926 | |
| MURIDAE | Mice, rats, & voles | | | | | |
| <i>Microtus californicus scirpensis</i> | Amargosa vole | SE | 19801002 | FE | 19841217 | |
| <i>Neotoma fuscipes riparia</i> | Riparian woodrat | | | FE | 20000324 | |
| <i>Reithrodontomys raviventris</i> | Salt-marsh harvest mouse | SE | 19710627 | FE | 19701013 | |
| CANIDAE | Foxes, wolves, & coyotes | | | | | |
| <i>Canis lupus</i> | Gray wolf | SE | 20170101 | FPD FE | 20130613 19780410 | |
| <i>Urocyon littoralis</i> | Island fox | ST | 19710627 | (FE) | | State listing includes all 6 subspecies on all 6 islands. Federal listing is for only 4 subspecies on 4 islands. |
| <i>Urocyon littoralis catalinae</i> | Santa Catalina Island Fox | (ST) | | FT FE | 20160912 20040405 | |
| <i>Urocyon littoralis littoralis</i> | San Miguel Island Fox | (ST) | | FDR FE | 20160912 20040405 | |
| <i>Urocyon littoralis santacruzae</i> | Santa Cruz Island Fox | (ST) | | FDR FE | 20160216 20040405 | |
| <i>Urocyon littoralis santarosae</i> | Santa Rosa Island Fox | (ST) | | FDR FE | 20160216 20040405 | |
| <i>Vulpes macrotis</i> | San Joaquin kit fox | ST | 19710627 | FE | 19670311 | |
| <i>Vulpes vulpes necator</i> | Sierra Nevada red fox | ST | 19801002 | | | |
| MUSTELIDAE | Weasels & relatives | | | | | |
| <i>Enhydra lutris nereis</i> | Southern sea otter | | | FT | 19770114 | |

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- 3. **Verizon** 1.4 stars (91 Reviews)

Towers

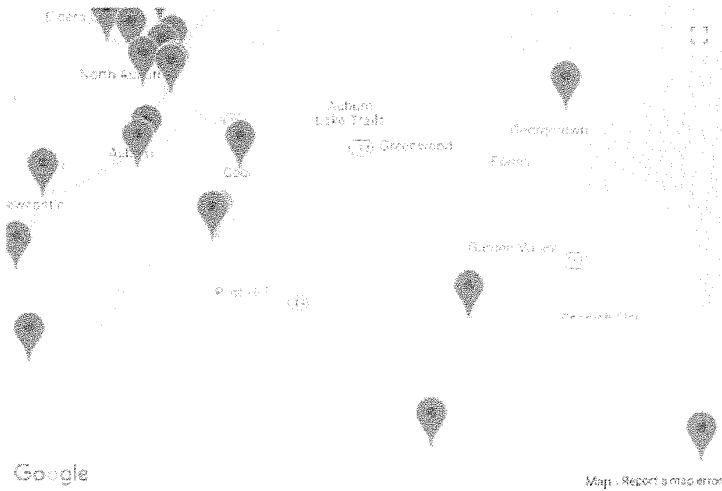
- Sprint Towers
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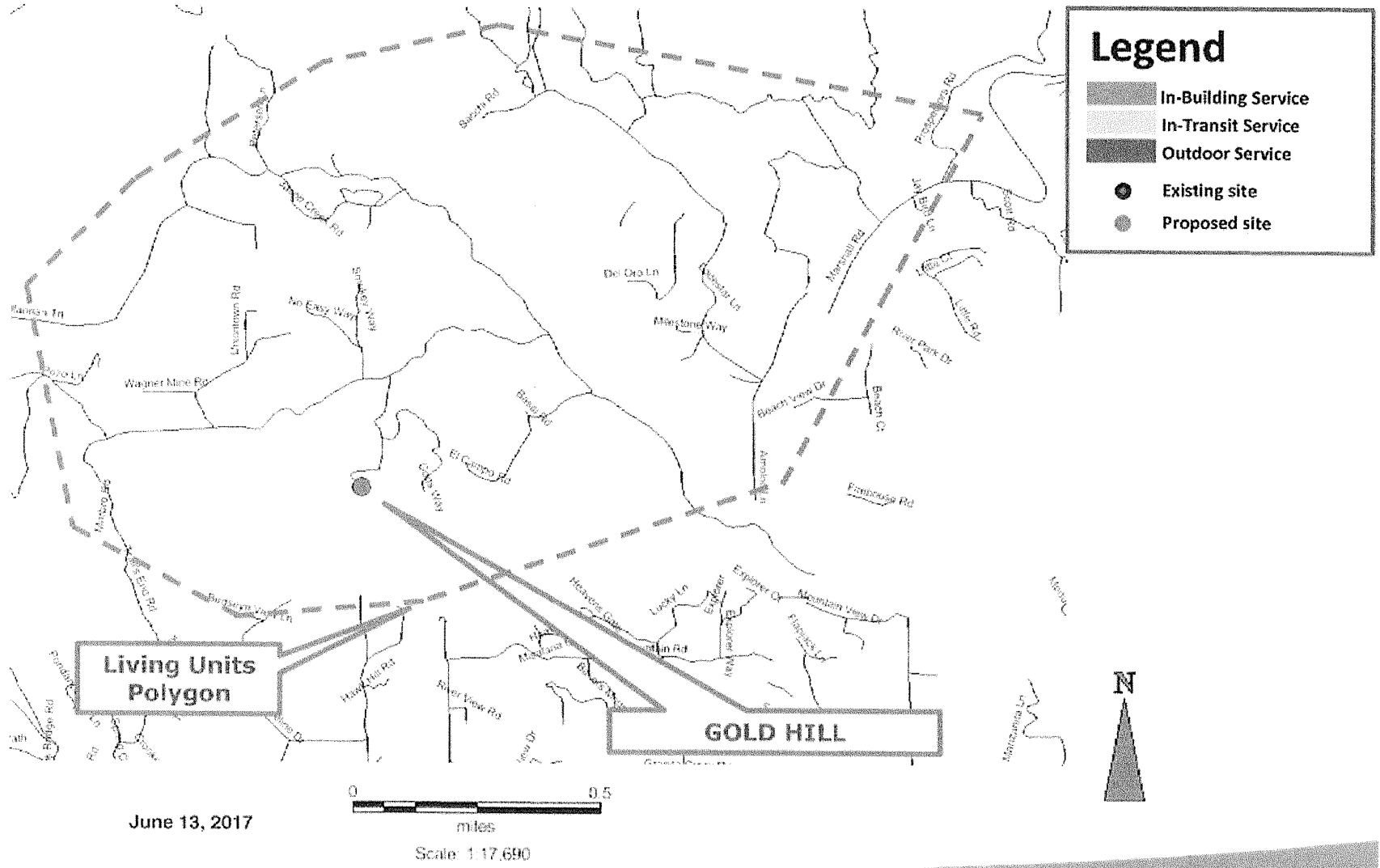
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Cell Site Lease Rates

Verizon (\$550 a month)

Existing LTE 700 Coverage (RC = 108')



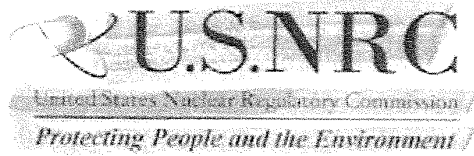
June 13, 2017

Scale: 1:17,690

18-1015 Public Comment
PC Rcvd 07-13-18

NRC MISSION

The NRC licenses and regulates the Nation's civilian use of radioactive materials to provide reasonable assurance of adequate protection of public health and safety and to promote the common defense and security and to protect the environment.



Home > About NRC > Radiation Protection > Radiation and Its Health Effects > Radiation Exposure and Cancer

Radiation Exposure and Cancer

The associations between radiation exposure and cancer are mostly based on populations exposed to relatively high levels of ionizing radiation (e.g., Japanese atomic bomb survivors and recipients of selected diagnostic or therapeutic medical procedures). Cancers associated with high dose exposure include leukemia, breast, bladder, colon, liver, lung, esophagus, ovarian, multiple myeloma, and stomach cancers. Literature from the U.S. Department of Health and Human Services also suggests a possible association between ionizing radiation exposure and prostate, nasal cavity/sinus, pharyngeal and laryngeal, and pancreatic cancers.

Those cancers that may develop as a result of radiation exposure are indistinguishable from those that occur naturally or as a result of exposure to other chemical carcinogens. Furthermore, literature from the National Cancer Institute indicates that other chemical and physical hazards and lifestyle factors (e.g., smoking, alcohol consumption, and diet) significantly contribute to many of these same diseases.

Although radiation may cause cancer at high doses and high dose rates, public health data do not absolutely establish the occurrence of cancer following exposure to low doses and dose rates — below about 10,000 mrem (100 mSv). Studies of occupational workers who are chronically exposed to low levels of radiation above normal background have shown no adverse biological effects. Even so, the radiation protection community conservatively assumes that any amount of radiation may pose some risk for causing cancer and hereditary effect, and that the risk is higher for higher radiation exposures.

A linear no-threshold (LNT) dose-response relationship is used to describe the relationship between radiation dose and the occurrence of cancer. This dose-response model suggests that any increase in dose, no matter how small, results in an incremental increase in risk. The U.S. Nuclear Regulatory Commission (NRC) accepts the LNT hypothesis as a conservative model for estimating radiation risk.

Page Last Reviewed/Updated Monday, October 02, 2017

RESEARCH

To develop a solid base of scientific evidence regarding the potential health risks of exposure to EMF, the International EMF Project:

- Evaluates the scientific literature
- Identifies gaps in knowledge requiring further research
- Promotes a research agenda for researchers and funding agencies, focusing on the potential long-term health effects of mobile phone use, and on the possible link between childhood leukaemia and exposure to magnetic fields from electric power

INFORMATION STANDARDS

To facilitate dialogue between stakeholders by providing clear and unbiased information about the current scientific knowledge, the International EMF Project:

- Offers web-based access to a wide range of information resources
- Provides a database for researchers on current EMF research projects
- Convenes meetings on cutting-edge topics



STANDARDS

To help countries set their national EMF legislation and regulations, and to promote the same high level of health protection to all people, the International EMF Project:

- Provides a unique database of EMF exposure standards worldwide
- Offers model legislation to protect against EMF exposure
- Encourages harmonization of EMF standards

KNOWLEDGE

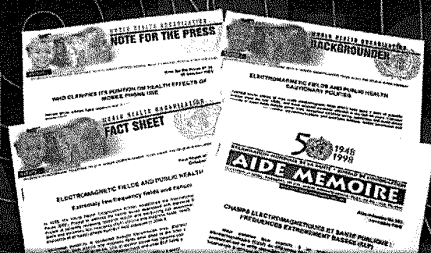
No major public health risks have emerged from several decades of EMF research, but uncertainties remain.

The challenges

- There is no clear understanding if and how EMF, at the low levels emitted by common appliances, might cause damage to cells
- If a common EMF exposure were found to cause a disease, it would likely be a rare one. Demonstrating such a relationship would require complex population studies
- New EMF emitting technologies are constantly being introduced on the market, resulting in different types of exposure

The way forward

A global research effort is key to clarifying health risks. This will enable public policies that protect human health while allowing technological progress.



WHO'S INTERNATIONAL EMF PROJECT STRATEGY FOR DEALING WITH EMF RISK



World Health Organization

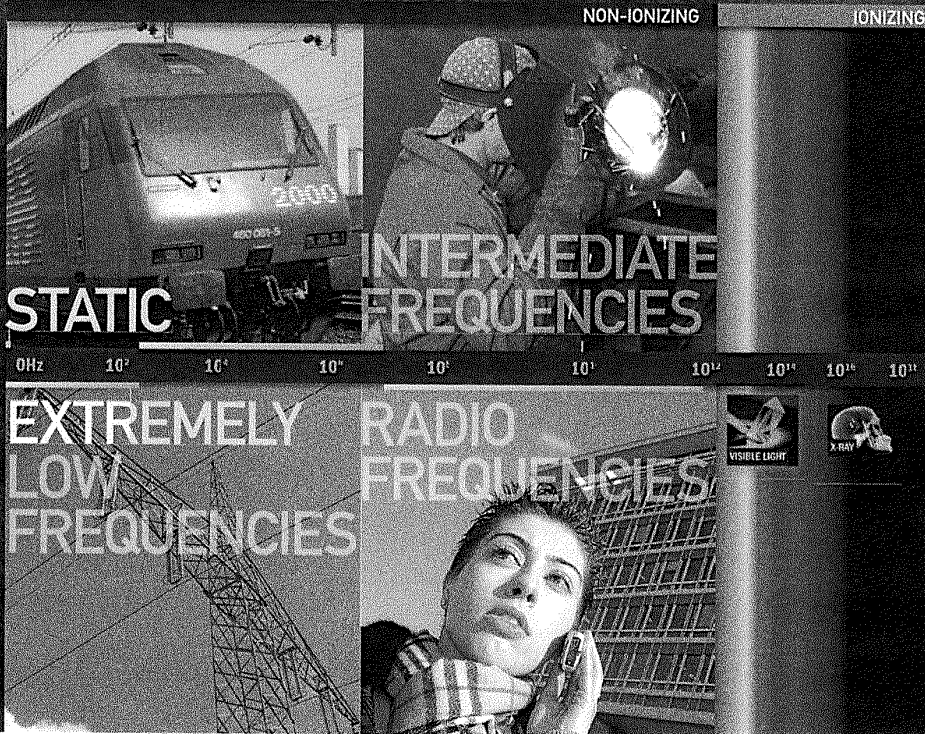
The International EMF Project

investigates health effects of electromagnetic fields

advises national authorities on EMF radiation protection

THE SPECTRUM

People all over the world are exposed to electromagnetic fields (EMF) to varying degrees, and the levels of exposure will increase as technology advances further. These EMF are found in the non-ionizing part of the electromagnetic spectrum (between 0 and 300 GHz) and are emitted from common sources such as power lines and cellular phones. They are different to ionizing radiations, such as X-rays and gamma rays, which have enough energy to break molecular bonds.



www.who.int/emf/

As part of its charter to protect public health, WHO established the International EMF Project in 1996. The project is overseen by an advisory committee consisting of representatives of 8 international organizations, 8 independent scientific institutions and more than 50 national governments, providing a global perspective. The scientific work is conducted in collaboration with the International Commission on Non-Ionizing Radiation Protection (ICNIRP). All activities are coordinated and facilitated by the WHO Secretariat.

Membership in the Project is open to any WHO Member State government, i.e. department of health, or representatives of other national institutions concerned with radiation protection.

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