

Report

**Analysis of
Corona, California
Public Safety Radio Sites**

**Coverage Predictions
Skyline Heights Development**

September 30, 2014

Prepared By	Prepared For
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1 Introduction

This report documents the results of a coverage analysis of certain existing radio transmission sites in use by the City of Corona (California) Public Safety radio system. This study specifically investigates coverage in the proposed Skyline Heights development area.

The objectives of this analysis include:

- Assess the current coverage of the Corona, California public safety radio system based on the existing tower/antenna locations.
- Predict coverage in the proposed Skyline Heights development area for purposes of determining the potential requirement to improve coverage in said area by installing an additional communications site.
- Provide coverage maps and assist customer in technical discussions with Corona radio system POC.

The coverage predictions were made using the Longley-Rice terrain-based coverage model as implemented in V-Soft Probe 4 software.

2 City of Corona - Existing Radio and Tower System

Information about the existing radio and tower system relevant to the current analysis was obtained from Sergeant Brent Nelson of the Corona Police Department.

Sergeant Brent Nelson
 Corona Police Department
 730 Public Safety Way
 Corona, CA 92880
 (951)736-2360
 Brent.Nelson@ci.corona.ca.us

The GPS locations of the repeater towers and the frequencies currently in use for all towers in the general vicinity of the Skyline Heights development area are summarized in Table 1. These locations are extracted from the details in the FCC Radio Station Authorizations provided by Sergeant Nelson and which are included as Exhibit A of this report. Note that all public safety communications are in the 154-159 MHz band. The frequencies at approximately 460 MHz which appear in the authorizations are used for other city services.

For each site, the lowest listed ERP is modeled as a worst case level. However, for an even more conservative estimate, an ERP of 5 W was also modeled for each site.

Table 1 - Listing of Tower Repeater Sites Considered for the Current Analysis

Site Name	Call Sign	Lat (NAD83)	Lon (NAD83)	Ground Elevation (m)	Antenna Height Above Ground (m)	ERP (W)	Modeled
Grape Hill*	KGJ726	33-53-38 N	117-32-00 W	329	18	16	X
Grape Hill*	KMA855	33-53-38 N	117-32-00 W	329	18	50	
Grape Hill*	KMA855	33-53-38 N	117-32-00 W	329	12	50	
Grape Hill*	KMM402	33-53-38 N	117-32-00 W	329	18	50	
Eagle Glen (1604 Fairway Drive)	KGJ726	33-48-33 N	117-32-35 W	418	18	16	X
Eagle Glen (1604 Fairway Drive)	KMA855	33-48-33 N	117-32-35 W	418	24	50	
Eagle Glen (1604 Fairway Drive)	KMM402	33-48-33 N	117-32-35 W	418	27	50	
Corporation Yard	KGJ726	33-53-15.40 N	117-34-32.90 W	178	16	60	
Corporation Yard	KMA855	33-53-15.40 N	117-34-32.90 W	178	16	16	X
Corporation Yard	KMA855	33-53-15.40 N	117-34-32.90 W	178	16	100	
Corporation Yard	KMM402	33-53-15.40 N	117-34-32.90 W	178	16	100	
Corporation Yard	WGC594	33-53-15.40 N	117-34-32.90 W	178	16	60	
4130 Green River Rd	KGJ726	33-52-32.87 N	117-38-27.76 W	226	24	16	X
4130 Green River Rd	KMA855	33-52-33.10 N	117-38-26.20 W	226	18	50	X
4130 Green River Rd	KMM402	33-52-33.10 N	117-38-26.20 W	226	24	50	

**Note that the Lat/Lon for the Grape Hill site was modified from the technical specs of the station authorization based on comparison to Google Earth coordinates.*

For the current analysis, only the 154-159 MHz band was analyzed. For purposes of this study, 154 MHz was used in the Longley-Rice model, however, the City of Corona Public Safety communications system currently utilizes Motorola's Simulcast system four frequency pairs as listed in Table 2.

Table 2 - Frequency Pairs, Motorola's Simulcast System

Net Name	Repeater Input (MHz)	Repeater Output (MHz)
Corona Local Government Net	156.0300	154.0400
Corona Fire Primary Net	159.1650	154.2350
Corona Police Primary Net	156.0450	154.755
Corona Police Tactical Net 1	159.1050	155.7600

The location of the proposed Skyline Heights development is shown in the Google Earth screen shot in Figure 1.

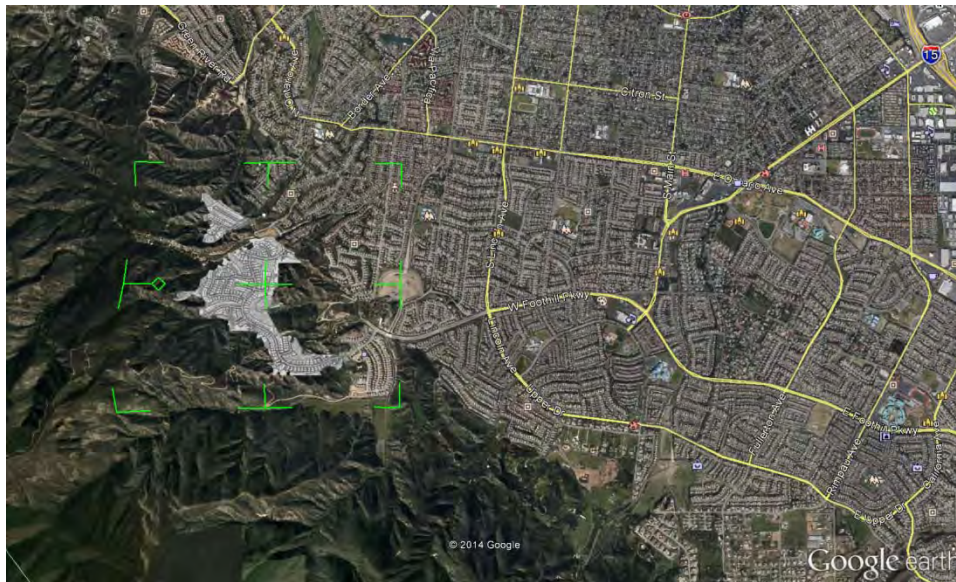


Figure 1 - Google Earth Overlay Showing Proposed Skyline Heights Development

The graphic overlay of the subdivision is bounded by the following coordinates (green box in Figure 1).

North	33°51'23.36"
South	33°50'9.63"N

East	117°35'48.60"W
West	117°37'24.54"W

3 Predicted Coverage of Existing System

A Longley-Rice terrain-based coverage model as implemented in V-Soft Probe 4 software is used for this analysis. The Longley-Rice parameters configured for this study include:

- The use of land cover attenuation factors
- Urban clutter attenuation factors
- Time Variability of 90%
- Situation Variability of 50%
- Receive antenna height of 2 meters above ground

The predicted signal strength exceeding -102 dBm/m^2 is plotted on the maps herein. This level is presumed as a minimum level to provide adequate reception, but this assumption should be verified with the system specifications.

In the figures below, the lowest ERP from each of five sites is modeled to show predicted signal strength in the vicinity of the Skyline Heights development. An ERP of 5 W is also modeled, based in part on a comment by Sergeant Nelson that his department likes to evaluate this lower ERP as well since it represents the power level of the man-portable units with shoulder mounted mics.

Figure 12 and Figure 13 show an expanded scale zoomed in at the Skyline Heights development for the Grape Hill facility at 16W and 5W ERP, respectively.

Finally in Figure 14, the highest signal level from any of the five modeled facilities is represented in each cell. In this figure, the cell interpolation is turned off in order to see even more clearly that no cell within the Skyline Heights area fails to meet a minimum level.

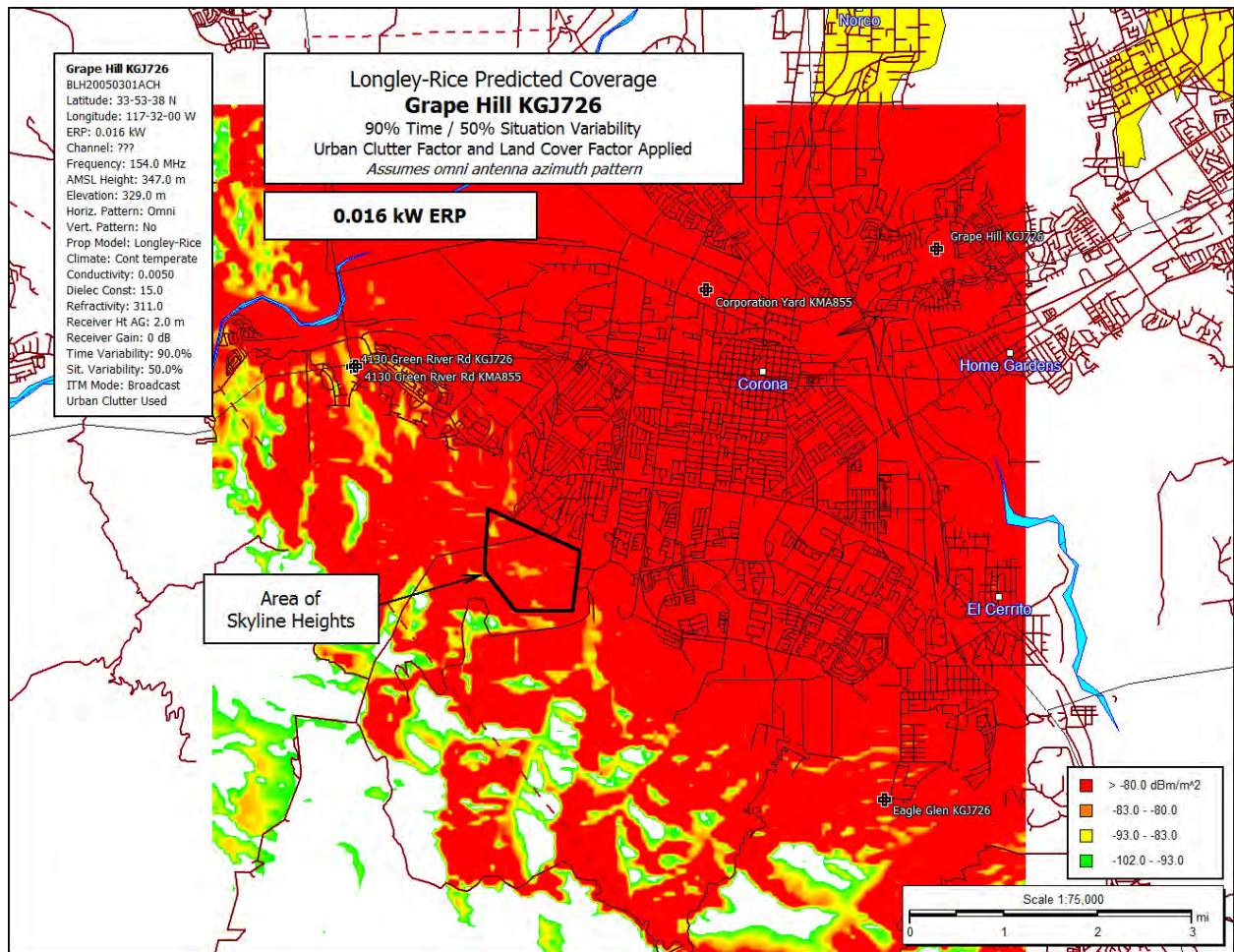


Figure 2 - Predicted Coverage from Grape Hill KGJ726, 18m AGL, 16W ERP

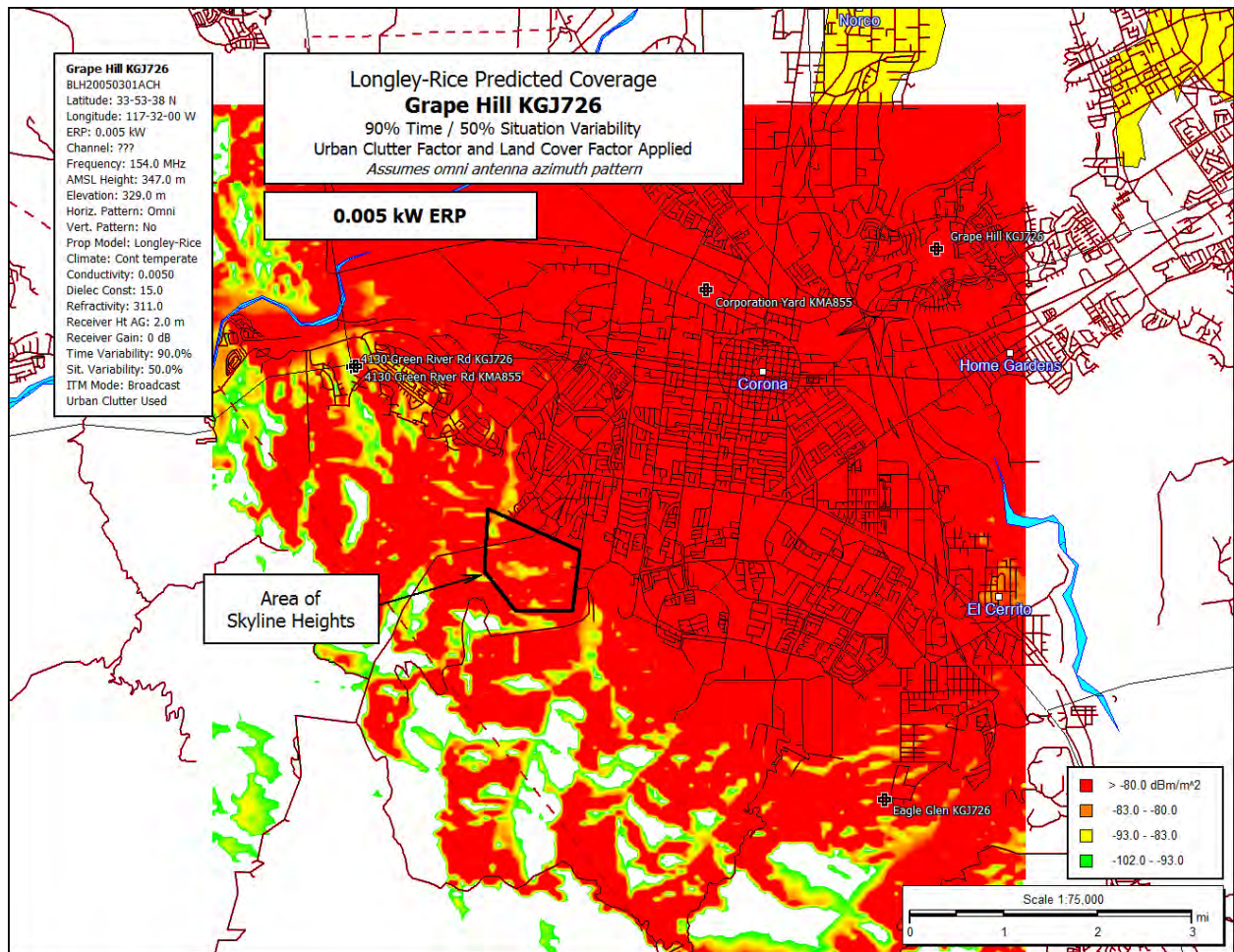


Figure 3 - Predicted Coverage from Grape Hill KGJ726, 18m AGL, 5W ERP

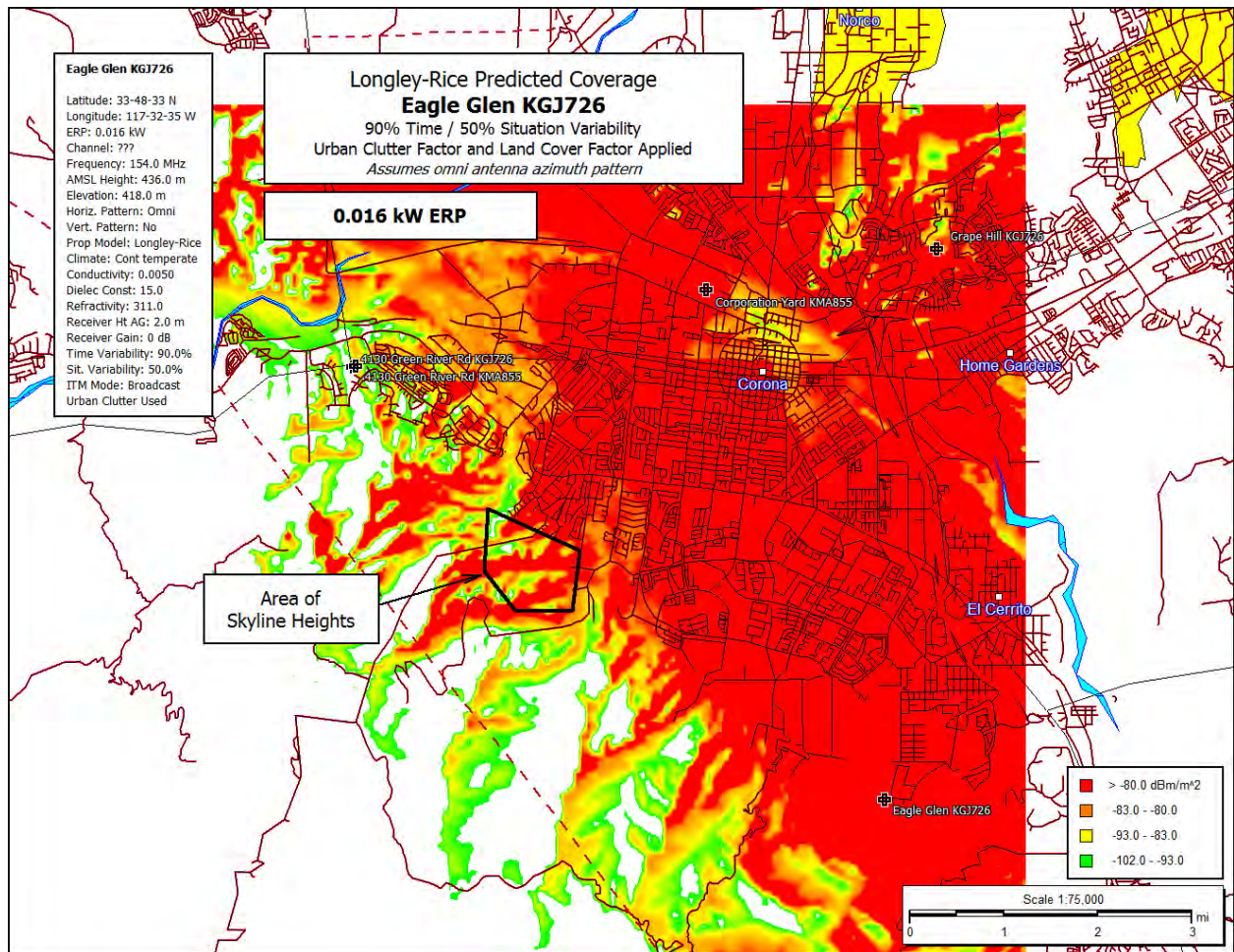


Figure 4 - Predicted Coverage from Eagle Glen KGJ726, 18m AGL, 16W ERP

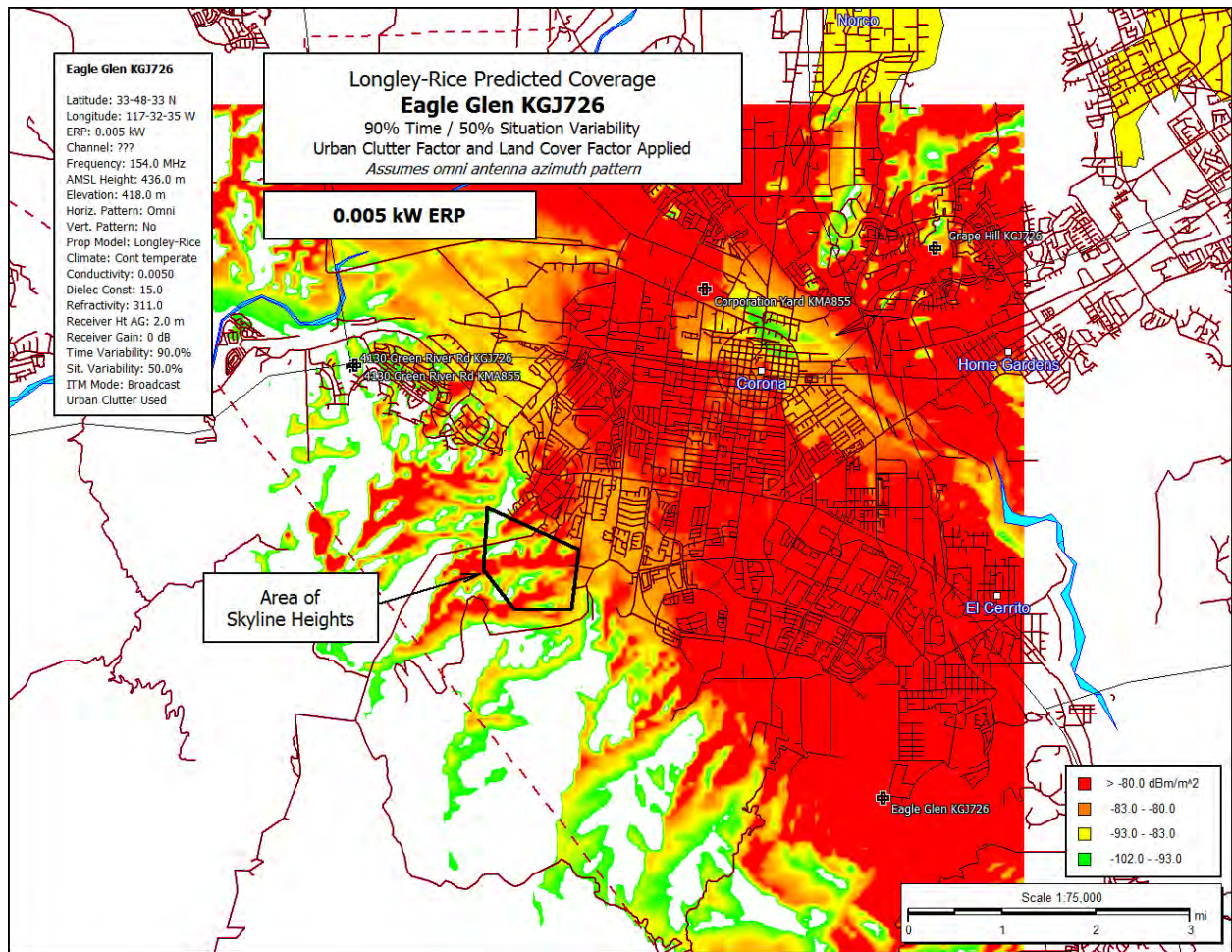


Figure 5 - Predicted Coverage from Eagle Glen KGJ726, 18m AGL, 5W ERP

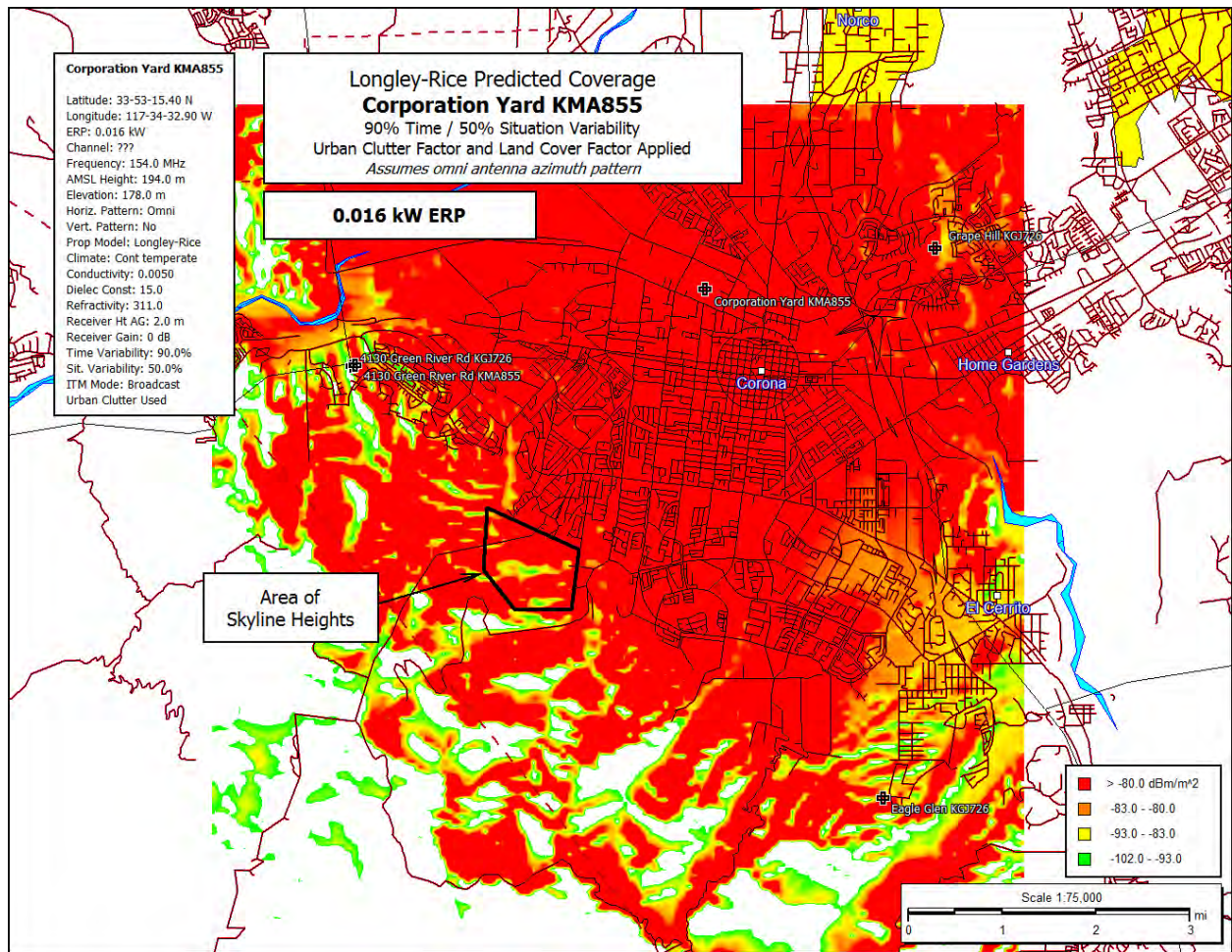


Figure 6 - Predicted Coverage from Corporation Yard KMA855, 16m AGL, 16W ERP

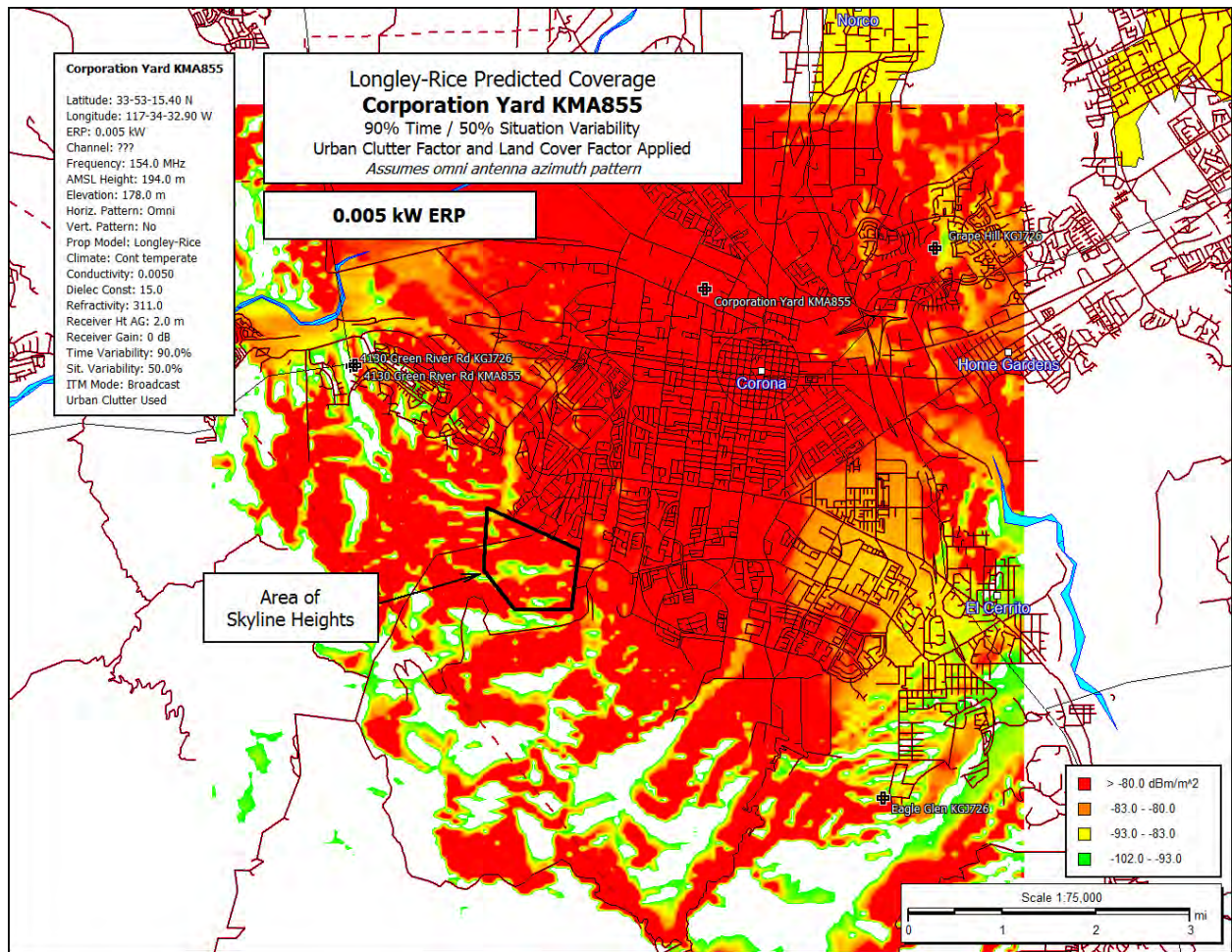


Figure 7 - Predicted Coverage from Corporation Yard KMA855, 16m AGL, 5W ERP

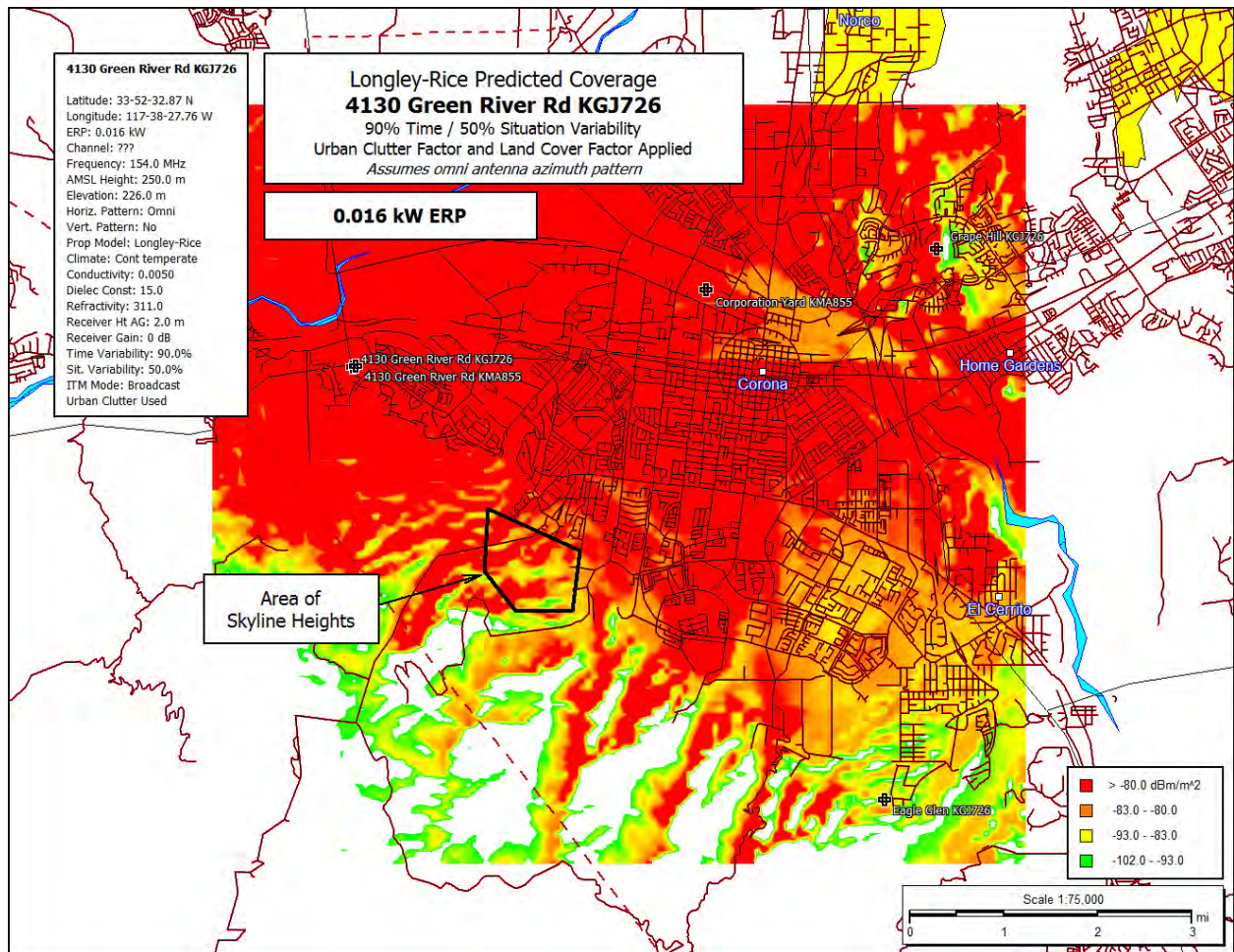


Figure 8 - Predicted Coverage from 4130 Green River Rd KGJ726, 24m AGL, 16W ERP

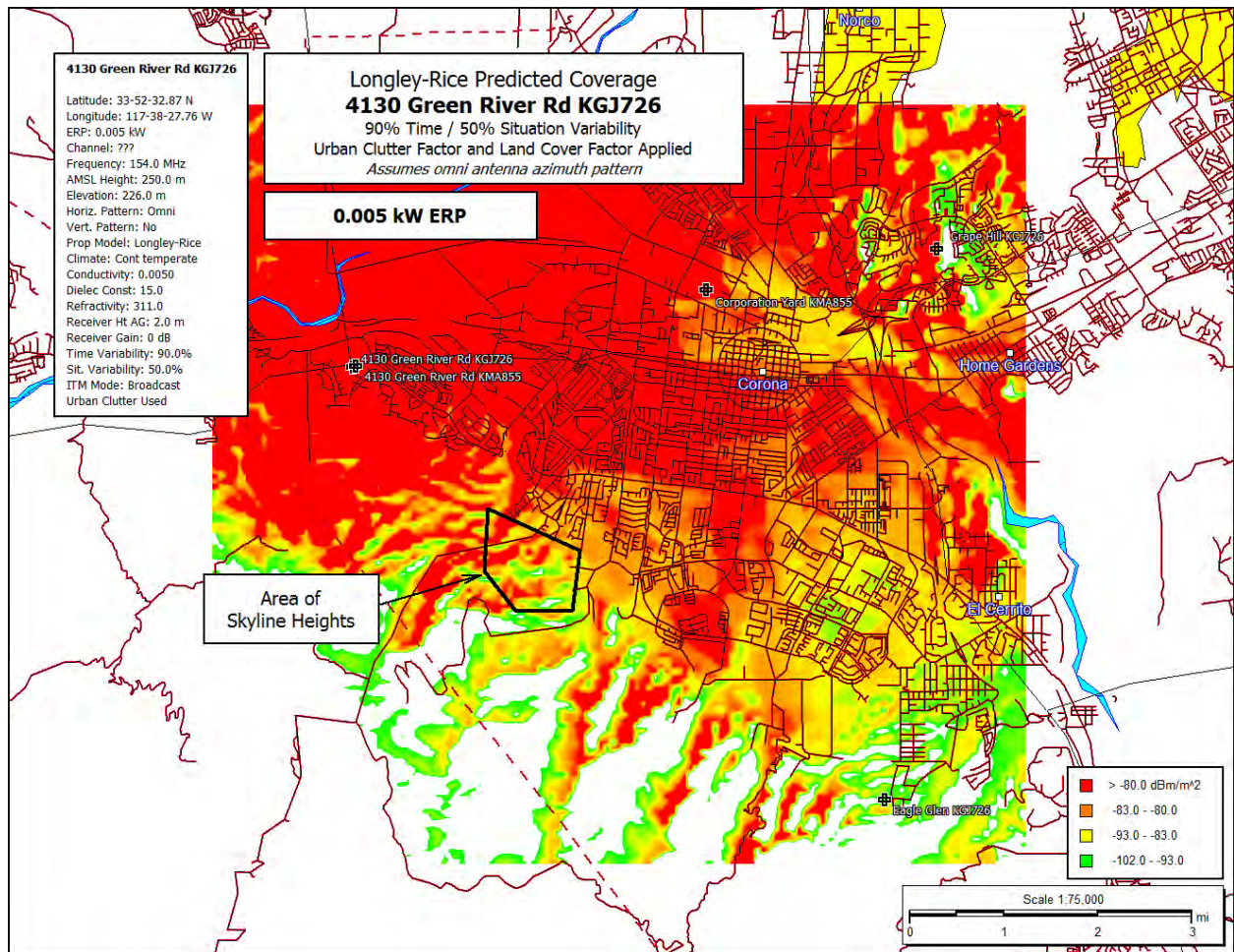


Figure 9 - Predicted Coverage from 4130 Green River Rd KGJ726, 24m AGL, 5W ERP

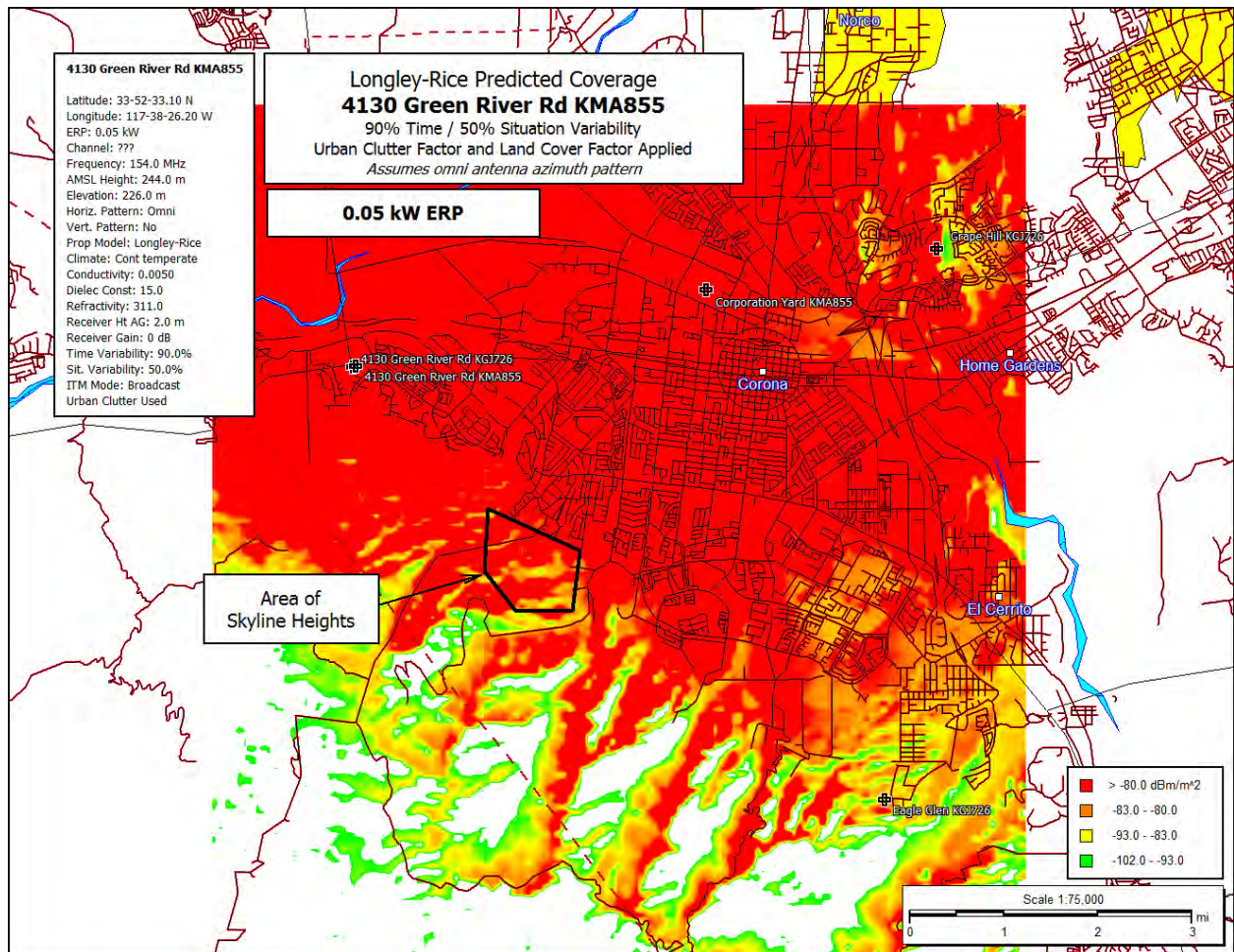


Figure 10 - Predicted Coverage from 4130 Green River Rd KMA855, 18m AGL, 50W ERP

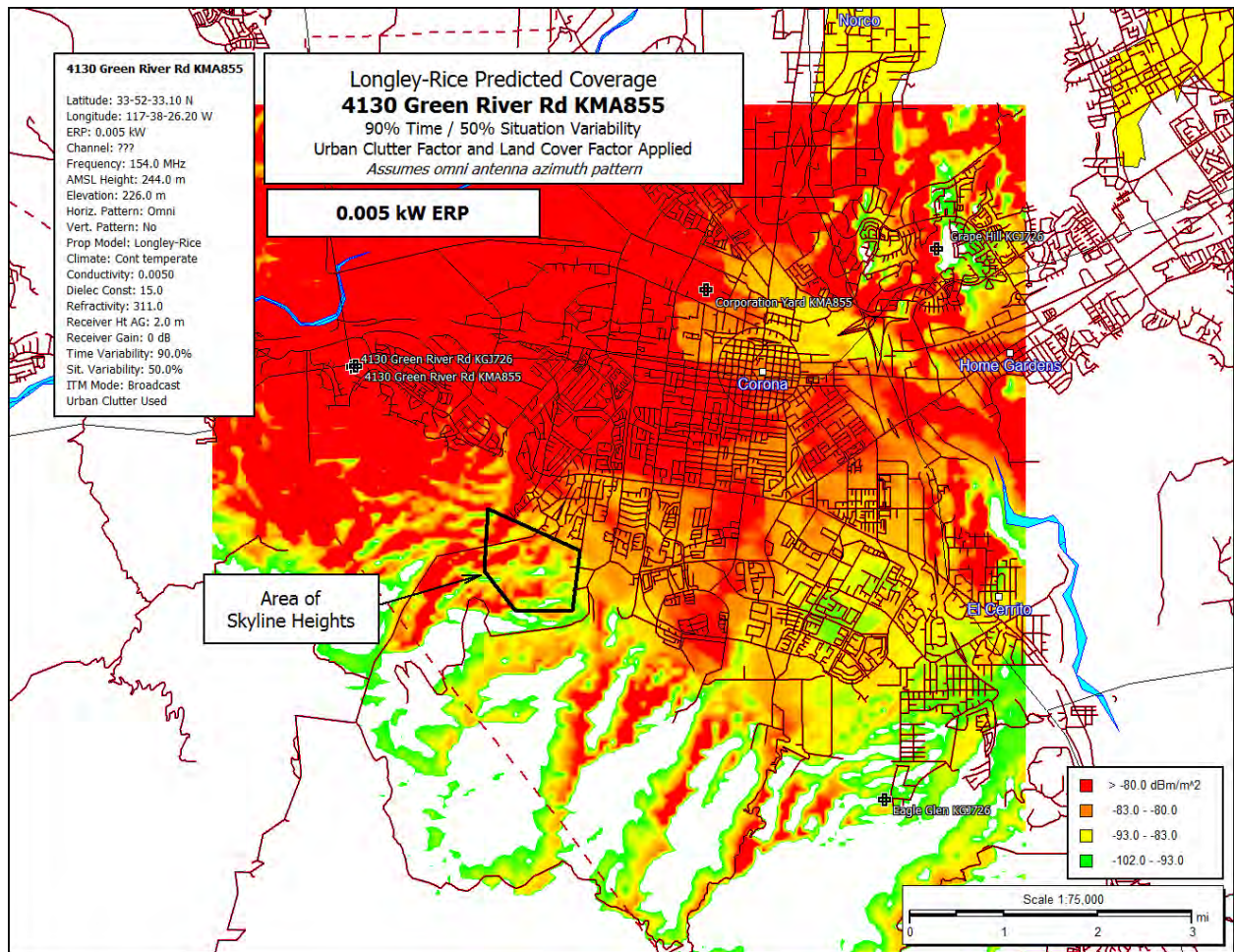


Figure 11 - Predicted Coverage from 4130 Green River Rd KMA855, 18m AGL, 5W ERP

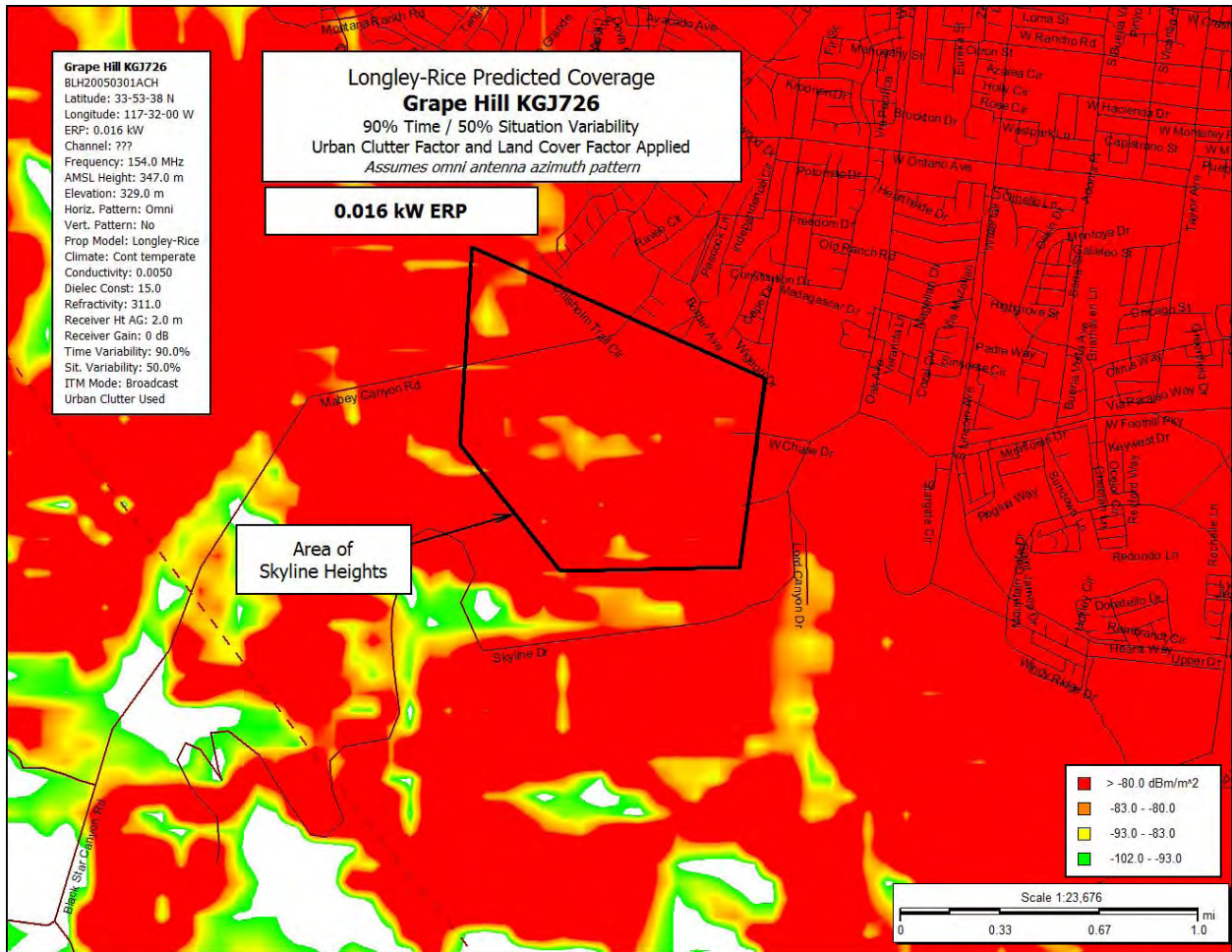


Figure 12 - Predicted Coverage from Grape Hill KGJ726, 18m AGL, 16W ERP - Expanded

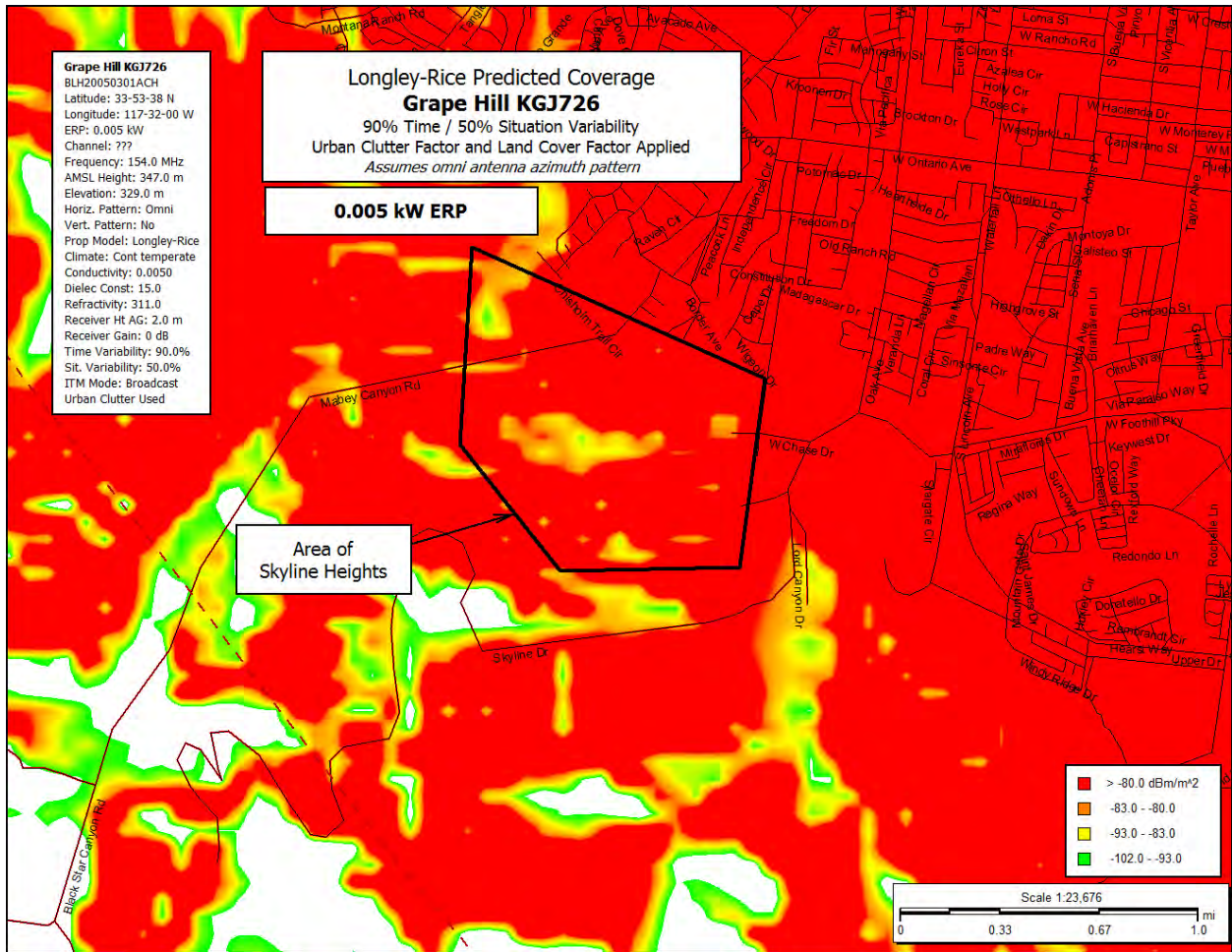


Figure 13 - Predicted Coverage from Grape Hill KGJ726, 18m AGL, 5W ERP - Expanded

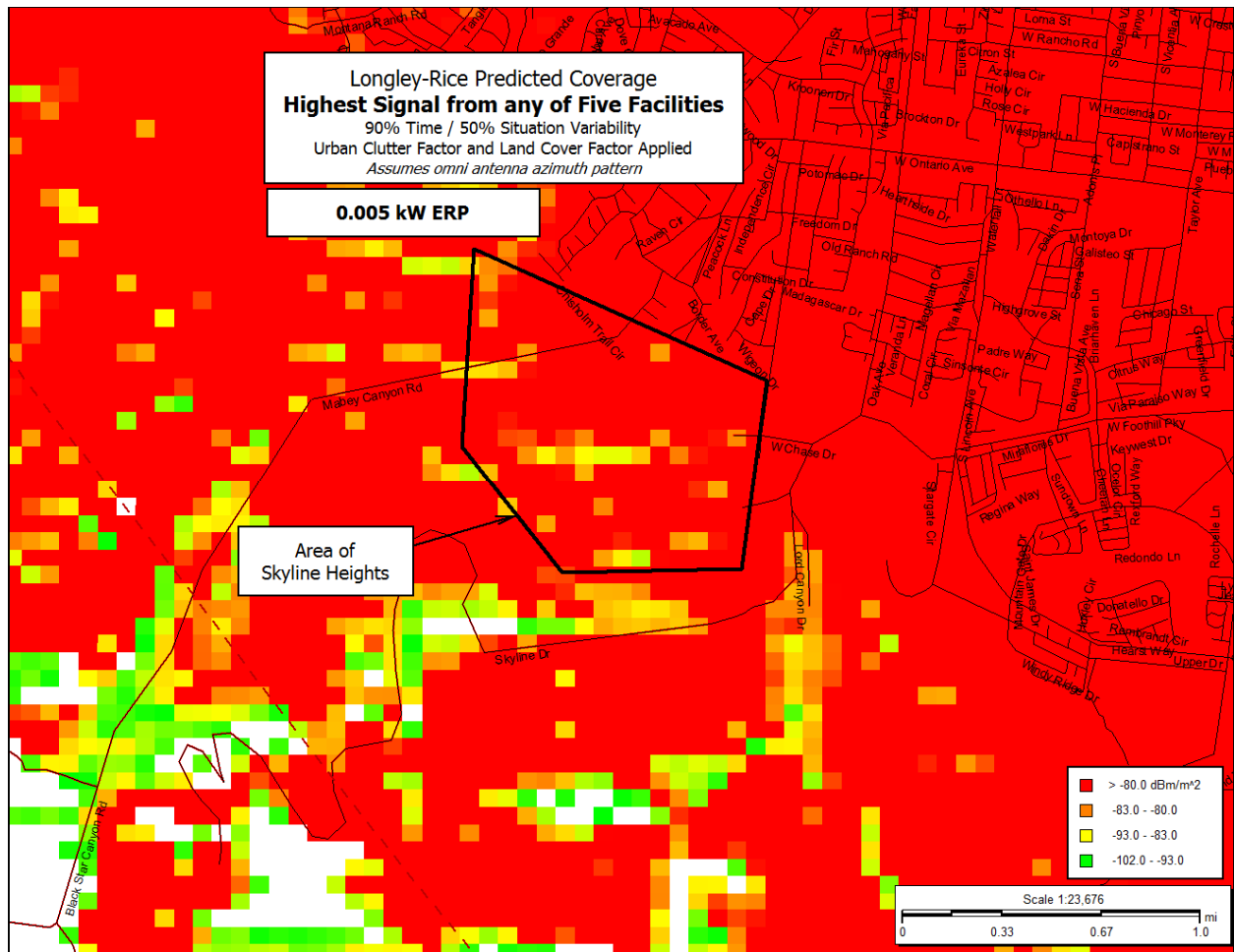


Figure 14 - Predicted Coverage from Grape Hill KGJ726, 18m AGL, 5W ERP - Expanded

4 Conclusions

This analysis made use of conservative configuration parameters and also modeled worst case signal ERPs from each site. The results of this study show that the existing radio tower sites within the City of Corona (California) Public Safety radio system provide adequate coverage to the proposed area of the Skyline Heights development.


This conclusion is based on that fact that at least one existing site is predicted to provide adequate signal levels to any location within the area designating the Skyline Heights development. If there is a requirement in the two-way radio system for other than single site coverage to a given location, then these conclusions should be revisited.

This analysis used statistical models which are generally accepted as accurate predictions of coverage from RF sources. On-site measurements of the quality of service should be made prior to any potential emergency situation to verify coverage.

I, Eric R. Wandel, employed by Wavepoint Research, Inc. and under contract with Richland Investments, LLC, have performed the preparation of all technical information contained in this document and to my knowledge have made no misrepresentations or false claims. While best attempts have been made to collect system information and to accurately represent the functional implementation of the system, representatives of the City of Corona are invited to contact the undersigned with any clarifications or suggestions of alternate data representations which might more accurately depict system performance.

My qualifications to perform this work are supported as follows:

1. Education includes:
 - a) The degree of Bachelor of Science in Electrical Engineering from Rose-Hulman Institute of Technology, Terre Haute, Indiana
 - b) The degree of Bachelor of Science in Applied Optics from Rose-Hulman Institute of Technology, Terre Haute, Indiana
 - c) The degree of Master of Science in Electrical Engineering from Rensselaer Polytechnic Institute, Troy, New York
2. Experience includes:
 - a) 22 years of experience in systems engineering work related to RF engineering, signal processing, antenna and filter design, including design, installation and field checkout of high power broadcast systems involving combined operation of multiple stations.
3. Licensed Professional Engineer
 - a) State of Indiana, Registration No. 19900140


Eric R. Wandel, P.E.

07-OCT-2014
Date

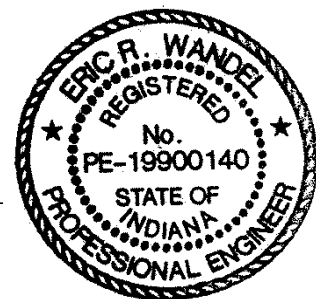


Exhibit A – CITY OF CORONA FCC RADIO STATION AUTHORIZATIONS

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**Federal Communications Commission
Public Safety and Homeland Security Bureau**

RADIO STATION AUTHORIZATION

LICENSEE: CORONA, CITY OF

ATTN: COMMUNICATIONS
CORONA, CITY OF
760 CORPORATION YARD WAY
CORONA, CA 92880

Call Sign KGJ726	File Number 0005826441
Radio Service PW - Public Safety Pool, Conventional	
Regulatory Status PMRS	
Frequency Coordination Number	

FCC Registration Number (FRN): 0001528306

Grant Date 08-19-2011	Effective Date 07-24-2013	Expiration Date 08-27-2021	Print Date 07-25-2013
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STATION TECHNICAL SPECIFICATIONS

Fixed Location Address or Mobile Area of Operation

- Loc. 1 Area of operation**
Land Mobile Control Station meeting the 6.1 Meter Rule: CA
- Loc. 2 Address:** GRAPE HILL 1/2 MI NW OF MC KINLY ST & HWY 91
City: CORONA **County:** RIVERSIDE **State:** CA
Lat (NAD83): 33-53-58.1 N **Long (NAD83):** 117-32-02.2 W **ASR No.:** **Ground Elev:** 329.0
- Loc. 3 Address:** 4130 GREEN RIVER RD
City: CORONA **County:** RIVERSIDE **State:** CA
Lat (NAD83): 33-52-33.1 N **Long (NAD83):** 117-38-26.2 W **ASR No.:** **Ground Elev:** 226.0
- Loc. 4 Address:** 1604 FAIRWAY DRIVE
City: CORONA **County:** RIVERSIDE **State:** CA
Lat (NAD83): 33-48-33.0 N **Long (NAD83):** 117-32-35.0 W **ASR No.:** **Ground Elev:** 418.0
- Loc. 6 Area of operation**
Operating within a 13.0 km radius around fixed location 2
- Loc. 7 Address:** 760 CORPORATION YARD WAY
City: CORONA **County:** RIVERSIDE **State:** CA
Lat (NAD83): 33-53-15.4 N **Long (NAD83):** 117-34-32.9 W **ASR No.:** 1272729 **Ground Elev:** 178.0

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

Licensee Name: CORONA, CITY OF

Call Sign: KGJ726

File Number: 0005826441

Print Date: 07-25-2013

Antennas

Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp meters	Ant. AAT meters	Construct Deadline Date
1	1	000159.16500000	FX1	1		11K2F3E	1.000	5.000			
1	1	000156.03000000	FX1	1		11K2F3E	1.000	5.000			
2	1	000154.23500000	FB	1	40	11K2F3E	16.000	16.000	18.0	-25.5	
2	1	000154.23500000	FB2	1	40	11K2F3E	16.000	16.000	18.0	-25.5	
3	1	000154.23500000	FB	1	40	11K2F3E	16.000	16.000	24.0		
3	1	000154.23500000	FB2	1	40	11K2F3E	16.000	16.000	24.0		
4	1	000154.23500000	FB	1	40	11K2F3E	16.000	16.000	18.0	-76.9	
4	1	000154.23500000	FB2	1	40	11K2F3E	16.000	16.000	18.0	-76.9	
6	1	000154.23500000	MO	175		11K2F3E	60.000	60.000			
6	1	000154.26500000	MO	175		11K2F3E	12.000	12.000			
6	1	000154.28000000	MO	175		11K2F3E	60.000	60.000			
6	1	000154.29500000	MO	175		11K2F3E	60.000	60.000			
6	1	000159.16500000	MO	175		11K2F3E	30.000	30.000			
6	1	000158.74500000	MO	175		11K2F3E	60.000	60.000			02-06-2004
6	1	000158.80500000	MO	175		11K2F3E	60.000	60.000			02-06-2004
6	1	000154.78500000	MO	175		11K2F3E	60.000	60.000			07-24-2014
6	1	000156.03000000	MO	175		11K2F3E	60.000	60.000			07-24-2014
7	1	000154.23500000	FB	1		11K2F3E	60.000	60.000	16.0	-143.9	03-29-2011
7	1	000154.28000000	FB	1		11K2F3E	60.000	60.000	16.0	-143.9	03-29-2011

Licensee Name: CORONA, CITY OF

Call Sign: KGJ726

File Number: 0005826441

Print Date: 07-25-2013

Control Points

Control Pt. No. 2

Address: 730 CORPORATION YARD WAY

City: CORONA **County:** RIVERSIDE **State:** CA **Telephone Number:** (951)736-2228

Associated Call Signs

Waivers/Conditions:

Request for waiver of § 90.20(d)(81) is dismissed as moot in accordance with 5 U.S.C. § 801.

After January 1, 2005, all stations operating on frequencies limited by § 90.20(d)(81) with an authorized bandwidth greater than 11.25 kHz will be secondary to adjacent channel interoperability operations.

REFERENCE COPY

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**Federal Communications Commission
Public Safety and Homeland Security Bureau**

RADIO STATION AUTHORIZATION

LICENSEE: CORONA, CITY OF

ATTN: COMMUNICATIONS
CORONA, CITY OF
760 CORPORATION YARD WAY
CORONA, CA 92880

Call Sign KMA855	File Number 0005684659
Radio Service PW - Public Safety Pool, Conventional	
Regulatory Status PMRS	
Frequency Coordination Number 46PWAP33023481	

FCC Registration Number (FRN): 0001528306

Grant Date 12-01-2011	Effective Date 05-15-2013	Expiration Date 02-14-2022	Print Date 05-16-2013
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STATION TECHNICAL SPECIFICATIONS

Fixed Location Address or Mobile Area of Operation

- Loc. 1 Area of operation**
Land Mobile Control Station meeting the 6.1 Meter Rule: CA
- Loc. 2 Address:** GRAPE HILL 1/2 MI NW OF MC KINLEY ST & HWY 91
City: CORONA **County:** RIVERSIDE **State:** CA
Lat (NAD83): 33-53-38.1 N **Long (NAD83):** 117-32-02.2 W **ASR No.:** **Ground Elev:** 329.0
- Loc. 3 Address:** 4130 GREEN RIVER RD
City: CORONA **County:** RIVERSIDE **State:** CA
Lat (NAD83): 33-52-33.1 N **Long (NAD83):** 117-38-26.2 W **ASR No.:** **Ground Elev:** 226.0
- Loc. 4 Address:** 1604 FAIRWAY DRIVE
City: CORONA **County:** RIVERSIDE **State:** CA
Lat (NAD83): 33-48-33.0 N **Long (NAD83):** 117-32-35.0 W **ASR No.:** **Ground Elev:** 418.0
- Loc. 6 Area of operation**
Operating within a 13.0 km radius around fixed location 2
- Loc. 7 Address:** 760 CORPORATION YARD WAY
City: CORONA **County:** RIVERSIDE **State:** CA
Lat (NAD83): 33-53-15.4 N **Long (NAD83):** 117-34-32.9 W **ASR No.:** 1272729 **Ground Elev:** 178.0

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

Licensee Name: CORONA, CITY OF

Call Sign: KMA855

File Number: 0005684659

Print Date: 05-16-2013

Antennas

Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp meters	Ant. AAT meters	Construct Deadline Date
1	1	000156.04500000	FX1	1		11K2F3E	1.000	5.000			
1	1	000156.15000000	FX1	1		11K2F3E	1.000	5.000			
2	1	000154.75500000	FB	1		11K2F3E	50.000	50.000	18.0	19.2	
2	1	000154.75500000	FB2	1		11K2F3E	50.000	50.000	18.0	19.2	
2	2	000154.04000000	FB	1		11K2F3E	16.000	50.000	12.0	-22.2	09-11-2003
2	2	000154.04000000	FB2	1		11K2F3E	16.000	50.000	12.0	-22.2	09-11-2003
3	1	000154.75500000	FB	1		11K2F3E	50.000	50.000	18.0	-80.0	
3	1	000154.75500000	FB2	1		11K2F3E	50.000	50.000	18.0	-80.0	
3	2	000154.04000000	FB	1		11K2F3E	16.000	50.000	18.0	-107.1	09-11-2003
3	2	000154.04000000	FB2	1		11K2F3E	16.000	50.000	18.0	-107.1	09-11-2003
4	1	000154.75500000	FB	1		11K2F3E	16.000	50.000	24.0	-65.6	
4	1	000154.75500000	FB2	1		11K2F3E	16.000	50.000	24.0	-65.6	
4	2	000154.04000000	FB	1		11K2F3E	16.000	50.000	24.0	-70.9	09-11-2003
4	2	000154.04000000	FB2	1		11K2F3E	16.000	50.000	24.0	-70.9	09-11-2003
6	1	000154.75500000	MO	200		11K2F3E	25.000	25.000			
6	1	000156.04500000	MO	200		11K2F3E	25.000	25.000			
6	1	000158.85000000	MO	200		11K2F3E	25.000	25.000			
6	1	000154.04000000	MO	200		11K2F3E	25.000	25.000			09-11-2003
6	1	000155.61000000	MO	200		11K2F3E	25.000	25.000			09-11-2003
6	1	000156.15000000	MO	200		11K2F3E	25.000	25.000			09-11-2003

Licensee Name: CORONA, CITY OF

Call Sign: KMA855

File Number: 0005684659

Print Date: 05-16-2013

Antennas

Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp meters	Ant. AAT meters	Construct Deadline Date
7	1	000154.04000000	FB	1		11K2F3E	50.000	16.000	16.0	-143.9	04-01-2011
7	1	000154.04000000	FB2	1		11K2F3E	50.000	18.000	16.0	-143.9	04-01-2011
7	1	000154.75500000	FB	1		11K2F3E	50.000	100.000	16.0	-143.9	04-01-2011
7	1	000154.75500000	FB2	1		11K2F3E	50.000	100.000	16.0	-143.9	04-01-2011

Control Points

Control Pt. No. 2

Address: 730 CORPORATION YARD WAY

City: CORONA County: RIVERSIDE State: CA Telephone Number: (951)736-2221

Associated Call Signs

Waivers/Conditions:

NONE

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Federal Communications Commission
Public Safety and Homeland Security Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CORONA, CITY OF

ATTN: COMMUNICATIONS DIVISION
CORONA, CITY OF
760 CORPORATION YARD WAY
CORONA, CA 92880

Table with 2 columns: Call Sign (KMM402), File Number (0005685125), Radio Service (PW - Public Safety Pool, Conventional), Regulatory Status (PMRS), Frequency Coordination Number (46PWAP33023481)

FCC Registration Number (FRN): 0001528306

Table with 4 columns: Grant Date (11-30-2004), Effective Date (05-15-2013), Expiration Date (02-07-2015), Print Date (05-16-2013)

STATION TECHNICAL SPECIFICATIONS

Fixed Location Address or Mobile Area of Operation

- Loc. 1 Address: GRAPE HILL 1/2 MI NW OF MC KINLEY ST & HWY 91
City: CORONA County: RIVERSIDE State: CA
Lat (NAD83): 33-53-38.1 N Long (NAD83): 117-32-02.2 W ASR No.: Ground Elev: 329.0
Loc. 2 Address: 4130 GREEN RIVER RD
City: CORONA County: RIVERSIDE State: CA
Lat (NAD83): 33-52-33.1 N Long (NAD83): 117-38-26.2 W ASR No.: Ground Elev: 226.0
Loc. 5 Area of operation
Land Mobile Control Station meeting the 6.1 Meter Rule: CA
Loc. 6 Area of operation
Operating within a 13.0 km radius around fixed location 1
Loc. 7 Address: 1604 FAIRWAY DRIVE
City: CORONA County: RIVERSIDE State: CA
Lat (NAD83): 33-48-33.0 N Long (NAD83): 117-32-35.0 W ASR No.: Ground Elev: 418.0
Loc. 8 Address: 760 CORPORATION YARD WAY
City: CORONA County: RIVERSIDE State: CA
Lat (NAD83): 33-53-15.4 N Long (NAD83): 117-34-32.9 W ASR No.: 1272729 Ground Elev: 178.0

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

Licensee Name: CORONA, CITY OF

Call Sign: KMM402

File Number: 0005685125

Print Date: 05-16-2013

Antennas

Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp meters	Ant. AAT meters	Construct Deadline Date
1	1	000155.76000000	FB2	1		11K2F3E	50.000	50.000	18.0		
1	1	000155.76000000	FB	1		11K2F3E	50.000	50.000	18.0		
2	1	000155.76000000	FB2	1		11K2F3E	50.000	50.000	24.0		
2	1	000155.76000000	FB	1		11K2F3E	50.000	50.000	24.0		
5	1	000159.10500000	FX1	1		20K0F3E 11K25F3E	1.000	5.000			
6	1	000155.76000000	MO	250		20K0F3E 11K25F3E	25.000	25.000			
6	1	000159.10500000	MO	250		20K0F3E 11K25F3E	25.000	25.000			
7	1	000155.76000000	FB	1		11K2F3E	50.000	50.000	27.0	-66.7	08-22-2006
7	1	000155.76000000	FB2	1		11K2F3E	50.000	50.000	27.0	-66.7	08-22-2006
8	1	000155.76000000	FB	1		11K2F3E	50.000	100.000	16.0	-143.9	03-29-2011
8	1	000155.76000000	FB2	1		11K2F3E	50.000	100.000	16.0	-143.9	03-29-2011

Control Points

Control Pt. No. 2

Address: 730 Corporation Yard Way

City: Corona County: RIVERSIDE State: CA Telephone Number: (951)736-2221

Associated Call Signs

Waivers/Conditions:

Beginning January 1, 2013, this station must operate on channels with a bandwidth of 12.5 kHz or less, or with equivalent efficiency, regardless of the emission bandwidths set forth on this license. See Section 90.209(b)(5) of the Commission's Rules. Note, however, that the narrowbanding requirement does not apply to specific channels designated in Rule 90.20 or 90.35 for paging only.

Licensee Name: CORONA, CITY OF

Call Sign: KMM402

File Number: 0005685125

Print Date: 05-16-2013

Request for waiver of § 90.20(d)(81) granted 8/16/05. After January 1, 2005, all stations operating on frequencies limited by § 90.20(d)(81) with an authorized bandwidth greater than 11.25 kHz will be secondary to adjacent channel interoperability operations.

Reference Copy

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**Federal Communications Commission
Public Safety and Homeland Security Bureau**

RADIO STATION AUTHORIZATION

LICENSEE: CORONA, CITY OF

ATTN: TOM MOODY
CORONA, CITY OF
755 PUBLIC SAFETY WAY
CORONA, CA 92880

Call Sign WGC594	File Number 0006292874
Radio Service PW - Public Safety Pool, Conventional	
Regulatory Status PMRS	
Frequency Coordination Number	

FCC Registration Number (FRN): 0001528306

Grant Date 06-05-2014	Effective Date 06-05-2014	Expiration Date 07-06-2024	Print Date 06-06-2014
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STATION TECHNICAL SPECIFICATIONS

Fixed Location Address or Mobile Area of Operation

Loc. 2 Address: 760 CORPORATION YARD WAY
City: CORONA **County:** RIVERSIDE **State:** CA
Lat (NAD83): 33-53-15.4 N **Long (NAD83):** 117-34-32.9 W **ASR No.:** 1272729 **Ground Elev:** 178.0

Antennas

Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp meters	Ant. AAT meters	Construct Deadline Date
2	1	000155.4300000	FX1	1		11K2F3E	60.000	60.000	16.0	-143.9	04-01-2011

Control Points

Control Pt. No. 3

Address: 730 Corporation Yard Way
City: Corona **County:** RIVERSIDE **State:** CA **Telephone Number:** (951)736-2221

Associated Call Signs

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

Licensee Name: CORONA, CITY OF

Call Sign: WGC594

File Number: 0006292874

Print Date: 06-06-2014

Waivers/Conditions:

This authorization is granted in part to remove emission types which do not comply with Rule 90.209. Please review Public Notice DA 14-281 for further information.

Preferred Copy

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Federal Communications Commission
Public Safety and Homeland Security Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CORONA, CITY OF

ATTN: AL FARLAND
CORONA, CITY OF
735 CORPORATION YARD WAY
CORONA, CA 92880

Table with 2 columns: Call Sign (WPTT336), File Number (0005136682), Radio Service (PW - Public Safety Pool, Conventional), Regulatory Status (PMRS), Frequency Coordination Number (46PWAP42122827)

FCC Registration Number (FRN): 0001528306

Table with 4 columns: Grant Date (12-06-2011), Effective Date (07-03-2012), Expiration Date (12-11-2021), Print Date (07-04-2012)

STATION TECHNICAL SPECIFICATIONS

Fixed Location Address or Mobile Area of Operation

- Loc. 2 Address: EAGLE GLENN RESERVOIR
City: CORONA County: RIVERSIDE State: CA
Lat (NAD83): 33-48-50.0 N Long (NAD83): 117-32-59.0 W ASR No.: Ground Elev: 419.5
Loc. 3 Address: SIERRA DEL ORO TREATMENT PLANT
City: CORONA County: RIVERSIDE State: CA
Lat (NAD83): 33-52-00.0 N Long (NAD83): 117-38-00.0 W ASR No.: Ground Elev: 328.0
Loc. 4 Area of operation
Operating within a 4.8 km radius around fixed location 2
Loc. 5 Area of operation
Operating within a 4.8 km radius around fixed location 3
Loc. 6 Address: GRAPE HILL
City: CORONA County: RIVERSIDE State: CA
Lat (NAD83): 33-53-08.0 N Long (NAD83): 117-32-00.0 W ASR No.: Ground Elev: 328.0
Loc. 7 Area of operation
Operating within a 4.8 km radius around fixed location 6
Loc. 8 Address: GILBERT RESERVOIR
City: CORONA County: RIVERSIDE State: CA
Lat (NAD83): 33-49-22.0 N Long (NAD83): 117-33-20.3 W ASR No.: Ground Elev: 421.0
Loc. 9 Area of operation
Operating within a 4.8 km radius around fixed location 8

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

Licensee Name: CORONA, CITY OF

Call Sign: WPTT336

File Number: 0005136682

Print Date: 07-04-2012

Antennas

Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp meters	Ant. AAT meters	Construct Deadline Date
2	1	000460.53750000	FXO	1		11K2F2D	2.000	6.000	6.0	-57.4	08-18-2006
3	1	000460.53750000	FXO	1		11K2F2D	2.000	2.000	6.0	-37.4	08-18-2006
4	1	000465.53750000	FXOT	30		11K2F2D	2.000	2.000			
5	1	000465.53750000	FXOT	40		11K2F2D	2.000	2.000			
6	1	000465.56250000	FXO	1		11K2F2D	2.000	6.000	6.0	-124.2	06-25-2010
7	1	000465.56250000	FXOT	100		11K2F2D	2.000	2.000			
8	1	000453.13750000	FXO	1		11K2F2D	2.000	6.000	6.0	-52.9	06-25-2010
9	1	000458.13750000	FXOT	80		11K2F2D	2.000	2.000			

Control Points

Control Pt. No. 1

Address: 735 CORPORATION YARD WAY

City: CORONA County: RIVERSIDE State: CA Telephone Number: (951)279-5281

Associated Call Signs

Waivers/Conditions:

Antenna structures for land, base and fixed stations authorized for operation at temporary unspecified locations may be erected without specific prior approval of the Commission where such antenna structures do not exceed a height of 60.96 meters (200 feet) above ground level; provided that the overall height of such antennas more than 6.10 meters (20 feet) above ground, including their supporting structures (whether natural formation or man-made), do not exceed any of the slope ratios set forth in Section 17.7(b). Any antenna to be erected in excess of the foregoing limitations requires prior Commission approval. Licensees seeking such approval should file application for modification of license. In addition, notification to the Federal Aviation Administration is required whenever the antenna will exceed 60.96 meters (200 feet) above the ground and whenever notification is otherwise required by Section 17.7 of the Commission's Rules. Such notification should be given by filing FAA Form 7460-1, Notice of Proposed Construction or Alteration, in duplicate, with the nearest office of the Federal Aviation Administration, which form is available from that office.

Authorization on a secondary basis.

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**Federal Communications Commission
Public Safety and Homeland Security Bureau**

RADIO STATION AUTHORIZATION

LICENSEE: CORONA, CITY OF

ATTN: JEFF LASATER
CORONA, CITY OF
760 CORPORATION YARD WAY
CORONA, CA 92880

Call Sign WQQY709	File Number
Radio Service PW - Public Safety Pool, Conventional	
Regulatory Status PMRS	
Frequency Coordination Number	

FCC Registration Number (FRN): 0001528306

Grant Date 03-27-2013	Effective Date 03-27-2013	Expiration Date 04-27-2013	Print Date
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STATION TECHNICAL SPECIFICATIONS

Fixed Location Address or Mobile Area of Operation

Loc. 1 Area of operation

Operating within a 30.0 km radius around 33-53-15.5 N, 117-34-32.9 W,
Corona, RIVERSIDE county, CA

Antennas

Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp meters	Ant. AAT meters	Construct Deadline Date
1	1	000151.10000000	MO	1	1	11K2F3E	5.000	5.000			
1	1	000151.10000000	MO3	1	1	11K2F3E	2.000	2.000			

Control Points

Control Pt. No. 1

Address: 730 Coroporation Yard Way

City: Corona **County:** RIVERSIDE **State:** CA **Telephone Number:** (951)736-2394

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

Licensee Name: CORONA, CITY OF

Call Sign: WQQY709

File Number:

Print Date:

Associated Call Signs

KMA855, KMM402

Waivers/Conditions:

Special Temporary Authority is authorized on a secondary non-interference basis.

This Special Temporary Authorization may be terminated at the Bureau's discretion, without a hearing, if conditions warrant. Under no circumstances may the facility(ies) authorized herein become a hazard to air navigation or violate the terms of an international agreement or treaty. If an application for permanent authority is on file with the Commission, this action is taken without prejudice to that application. Post and/or retain a copy of this authorization as required by the Commission's Rules.

This STA is for testing purposes only.

Brian Allee

From: David Crook
Sent: Thursday, February 27, 2014 10:53 AM
To: Cindi Schmitz
Cc: Jason Moquin; Terri Manuel; Brian Allee
Subject: RE: Question on Request for Info for Skyline Heights

Thank you very much for your prompt response and attention to this, it really helps.

Regards,

Dave Crook

David A. Crook, AICP
Principal Planner



PCR Services Corporation • 40 Years of Service

Santa Monica • Irvine • Pasadena

One Venture, Suite 150 | Irvine, California 92618 | T: 949.753.7001 | www.pcrnet.com

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From: Cindi Schmitz [<mailto:Cindi.Schmitz@ci.corona.ca.us>]
Sent: Thursday, February 27, 2014 10:50 AM
To: David Crook; Terri Manuel
Cc: Jason Moquin; Cindi Schmitz
Subject: RE: Question on Request for Info for Skyline Heights

Hi Brian,

Wanted to get you question 9 and 10. Our Deputy Chief is gather information for 1-8 as this is more detailed. As soon as I receive it I will forward it on to you.

9. Please note any relevant City of Corona Fire Department development requirements relevant to the proposed project including, but not limited to:
 - a. Fire flow-1500 gpm at 20 psi for 2 hours
 - b. Fire protection devices (e.g., sprinklers, alarms)-all code required protection systems: fire sprinkler protection and fire alarm
 - c. Fire access (including ingress/egress, turning radii, driveway width, grading, etc.)- minimum fire lane width of 28 feet, turning radii minimum 25' inside 50' outside, and grades not to exceed 10%.
 - d. Fire hydrants and spacing; 300 feet
 - e. Fuel Modification. Fuel Modification plan is required.

10. Any special fire protection requirements, concerns, or necessary mitigation measures due to the location or other attributes of the proposed project. **Yes, due to the location it will be important to submit a fuel modification plan for review and approval, as well as, showing compliance on the building plan submittal that meets the California Building Code Chapter 7A (Materials and Construction Methods for Exterior Wildfire Exposure). All homes will be sprinklered in this project.**

Cindi Schmitz

From: David Crook [<mailto:D.Crook@pcrnet.com>]
Sent: Wednesday, February 26, 2014 8:59 AM
To: Terri Manuel; Cindi Schmitz
Cc: Jason Moquin
Subject: RE: Question on Request for Info for Skyline Heights

Terri,

Here is what we were provided with previously, hopefully this helps. Thanks

Dave

From: Terri Manuel [<mailto:Terri.Manuel@ci.corona.ca.us>]
Sent: Wednesday, February 26, 2014 8:55 AM
To: Cindi Schmitz
Cc: Jason Moquin; David Crook
Subject: FW: Question on Request for Info for Skyline Heights

Cindi, do you remember what form the information took last time when Fire supplied the information to PCR? If it was in a compiled written response like e-mail or memo or letter, and if the information is still the same, they'll accept it re-issued for the Skyline project. I can try to dig through my mountain of paper later today, but I don't recall seeing the Fire response to PCR.

From: David Crook [<mailto:D.Crook@pcrnet.com>]
Sent: Wednesday, February 26, 2014 8:48 AM
To: Terri Manuel
Cc: Jason Moquin
Subject: RE: Question on Request for Info for Skyline Heights

Hi Terri,

If the information in that letter is accurate for this project I wouldn't have a problem with using the same data, but the only concern I would have is that we won't have a letter from the FD that states the information applies to this project/property. In a nutshell, we'd ideally want a letter in the appendix that references Skyline Heights. Perhaps they could just re-issue the same letter but reference Skyline? I don't want to make more work for them but I think that would be an efficient way to cover the issue.

Dave

From: Terri Manuel [<mailto:Terri.Manuel@ci.corona.ca.us>]
Sent: Tuesday, February 25, 2014 5:22 PM

Please find below the response to your request for information regarding fire protection facilities and services for the Skyline Heights Project.

1. Corona Fire Department deploys from 7 fire stations. The addresses are below. The project site is located in Station 6's district.

Station 1 – 540 Magnolia Avenue
 Station 2 – 225 E. Harrison Street
 Station 3 - 790 S. Smith Avenue
 Station 4 – 915 N. McKinley Street
 Station 5 – 1200 Canyon Crest Drive
 Station 6 – 110 W. Upper Drive
 Station 7 – 3777 Bedford Canyon Road

2. Corona Fire Department's response time goal for the "First In" is 6 minutes 85% of the time. Station 6's average response time for Calendar year 2013 was 5:30. We do not anticipate our response times changing. For multiple unit responses, Stations 6, 1, & 3 service the project area. Please see below the emergency incident data for these 3 Stations.

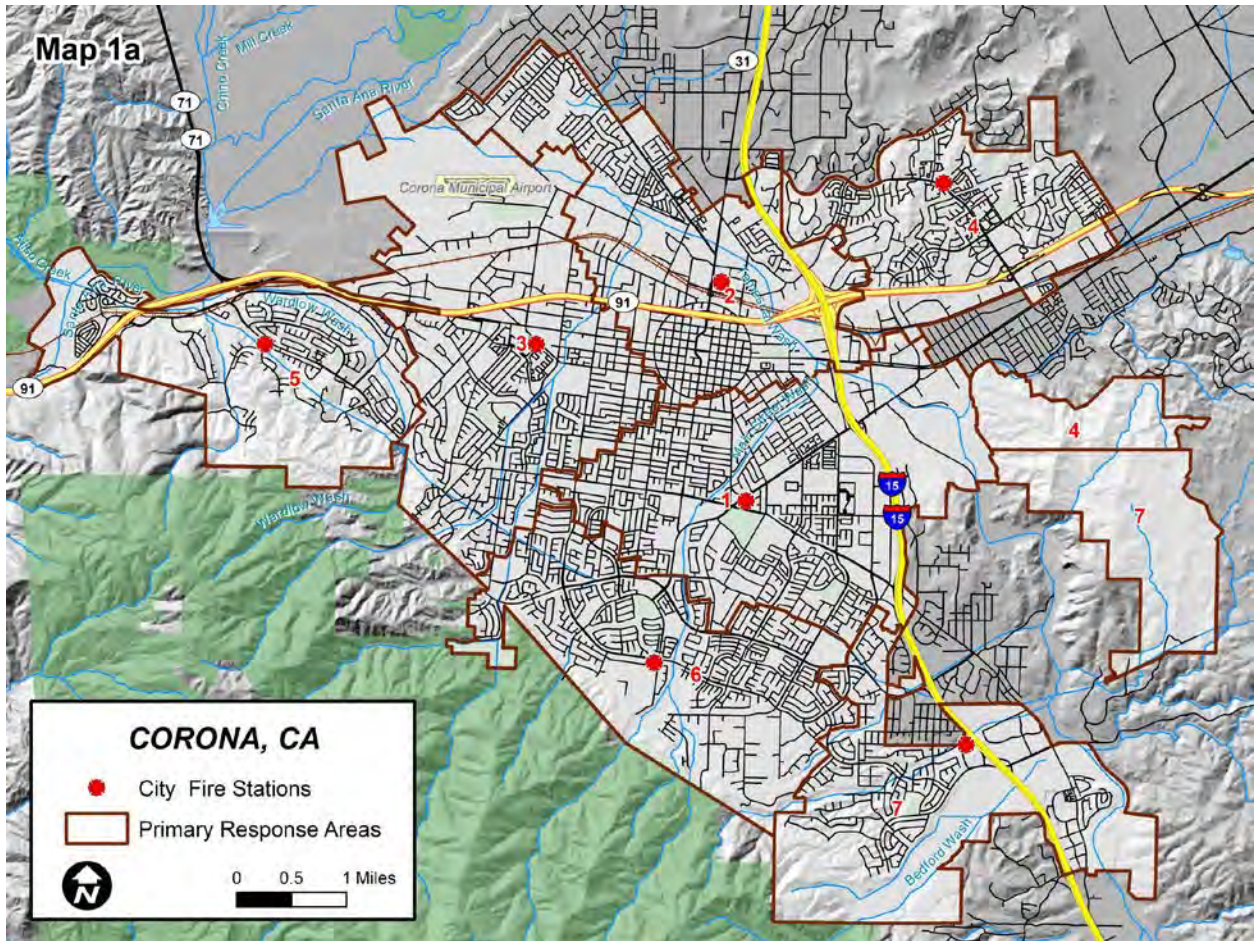
Station 6		
Incident Type	Incident Count	Avg. Response Time
Fire	25	6:36
Rupture/Explosion	1	6:20
EMS/Rescue	830	5:22
Hazardous Condition	14	7:49
Service Call	52	6:13
Good Intent	66	6:14
False Call	21	6:39
Total	1,009	5:30

Station 1		
Incident Type	Incident Count	Avg. Response Time
Fire	55	5:44
Rupture/Explosion	2	6:47
EMS/Rescue	2,230	5:41
Hazardous Condition	19	6:398
Service Call	308	6:03
Good Intent	235	5:32
False Call	57	6:49
Total	2,906	5:44

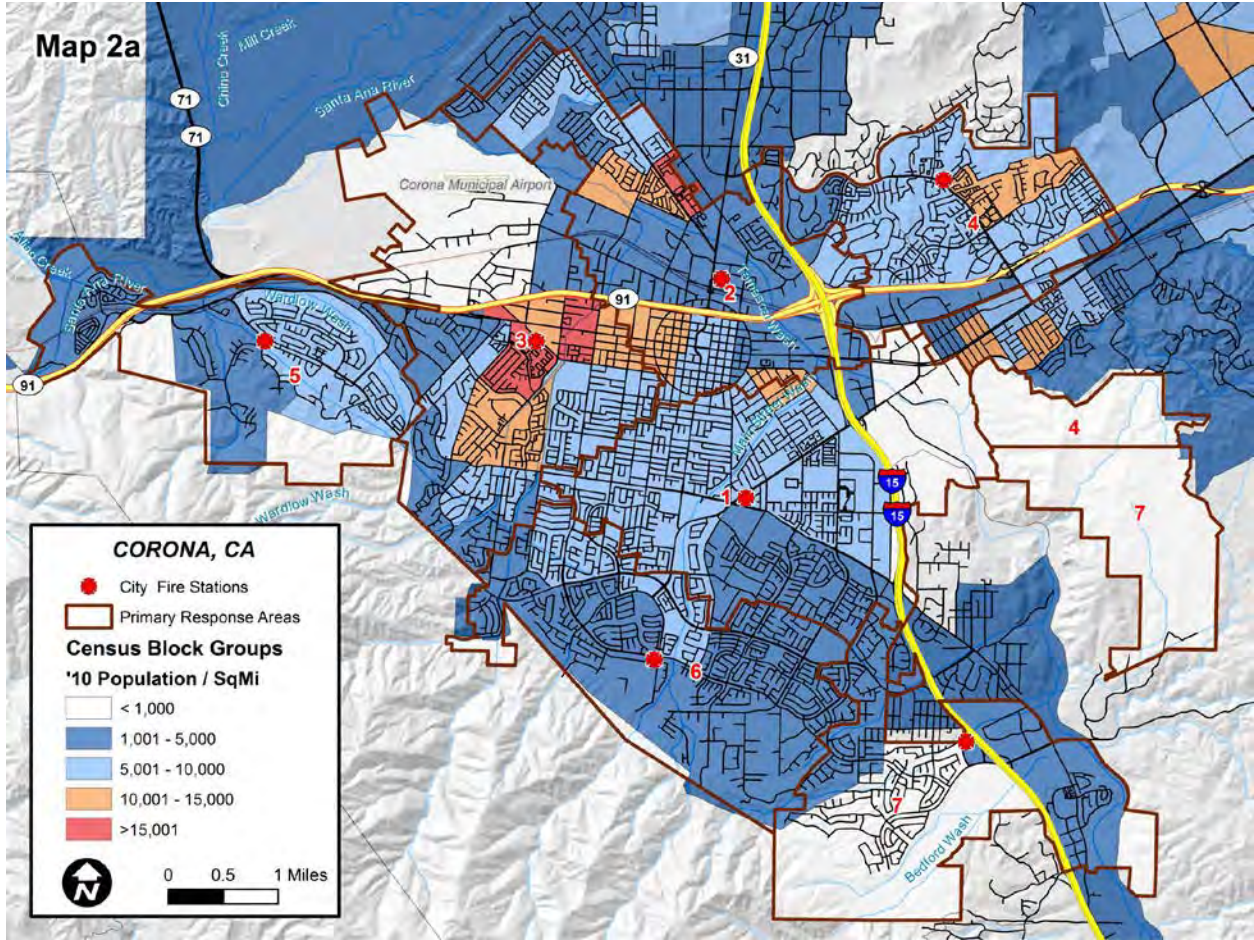
Station 3		
Incident Type	Incident Count	Avg. Response Time
Fire	80	5:46
Rupture/Explosion	2	6:09
EMS/Rescue	1,350	5:25
Hazardous Condition	26	6:45
Service Call	108	6:25
Good Intent	212	5:40
False Call	58	7:20
Total	1,836	5:35

3. Please see attached Map 1a for Fire Districts and Map 2a for population density each at the bottom of this document. According to census block information, Fire Station 6's district is primarily 1,000-5,000 per Square miles with the portion that the project site is in has 5,001-10,000 per Square miles.
4. The main access routes from to the project area include Upper Drive and Foothill Parkway.
5. Engine 6 is the first in, Engine 1, Engine 3, Truck 1, Squad 3, and Battalion Chief
6. The Corona Fire Department staffs 7 Fire Engines, 1 Fire Truck, 1 Squad, and 1 Battalion Chief for a minimum daily staffing of 35 personnel. The Engines and the truck have 4 personnel on each, the squad has 2, and the Battalion Chief has 1.
7. Portions of this area are covered by aid agreement with United States Forest Service, Riverside County Fire Department, and Cal Fire.
8. There is not a current plan to expand, relocate, or add staffing in the service area of the project site.

Items 9 and 10 have been submitted to you in another document.



Map 2a





CORONA POLICE DEPARTMENT

730 PUBLIC SAFETY WAY (P.O. BOX 940) CORONA, CA 92880-2002

March 3, 2014

PCR Services Corporation
One Venture, Suite 150
Irvine, California 92618

RE: Police Protection Facilities and Services for the Skyline Heights Project

Dear Mr. Crook:

The Corona Police Department received your request for information regarding police protection facilities and services for the Skyline Heights Project.

Requested Information:

1. The main Police station at 730 Public Safety Way (renamed from Corporation Yard Way) is located 4.7 miles north (using Microsoft Maps) and access is direct with major roadways to the proposed location.
2. Staffing at the Police Department currently consists of 151 full-time sworn officers, 61 full-time civilian personnel and 44 part-time personnel for a total of 256 employees. The Police Department has 59 patrol vehicles. The main police station will service the development. In 2013, the average number of officers on-duty (24x7) was 16.
3. The Police Department has a goal of responding to priority 1, emergencies in 5 minutes or less and 4 minutes or less, 90% of the time. In 2013 our emergency response times averaged was 5 minutes & 11 seconds, 90% at 4 minutes & 6 seconds. For non-emergency Priority 2 calls our response time was 13 minutes & 42 seconds. The Police Department's goal for emergency response times is met; however, we continually research and examine ways to improve response times and service. Each police patrol zone is analyzed and the Skyline Heights Project will be in police patrol zone 4. In 2013, zone 4, had priority 1 response times averaging 6 minutes & 3 seconds with 90% response in 5 minutes & 0 seconds. Responses to the project should be within the Zone 4 time frames.
4. The service boundary for the project site is police patrol zone 4, which is roughly south of the 91 freeway, Main Street to the east and the city boundary to the west. It is 10.28 square miles and possesses approximately one-quarter of the city's total population of 156,000.

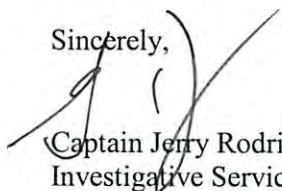
5. Zone 4 is patrolled by multiple police units, minimally with 2 units configured to patrol and remain within each of four zones on a 24x7 basis. Additional available units consist of roving units, traffic units, supervisors and other specialized units.
6. The Corona Police Department continually reviews policing functions and considerations with an emphasis on Community Based Policing methods. The planned extension of Foothill Blvd to the west side of the city is anticipated to enhance the flow of traffic. This will allow easier access of police units to the entire area. Another consideration may include a store-front police facility to reduce "out of zone" administrative duties. Additional staffing is continuously evaluated. The Police Department has improved staffing since the 2008 recession by adding additional authorized personnel through grant funding of specialized units and deployments.
7. Radio Facility Site: This would require a subdivision of approximately ¼ acre located at the southern section of the development and at the highest elevation of the planned development. The need for obtaining both access and utility easements is essential. Development of the site would likely require extensive permitting which could add significantly to the time required to bring the site on-line. Developer to provide Land parcel with access and Utilities, building to house all equipment as determined by public safety personnel and 100' lattice radio tower for public safety purposes.

20 Dog Kennels: The addition of new homes and a new service area will bring an increased workload and increase the population of animals at the Corona Animal Shelter. This is especially relevant due to the somewhat secluded nature of the development which is likely to generate reports of abandoned dogs, and will certainly increase the number of stray dogs impounded. The additional 20 dog kennels will be required to house increased number of dogs. The kennels will need to be built in a free-standing concrete structure that includes sanitary drains incorporating a solid waste grinder, climate control, adequate lighting and aesthetic improvements such as planters and benches for visitors. The addition of these kennels will help to lower the euthanasia rate at the animal shelter by increasing the number of animals available for owners to claim or new owners to adopt, allowing us to better serve our new residents.

A review of Riverside County Sheriff's Data-Warehouse calls for service shows approximately 20 law enforcement responses over the last two years, or less than one call per month. Most of the calls were reflective of the geographical area (close to Cleveland National Forest), with calls of public assists such as lost hikers, off-road vehicles, persons shooting in the canyons, illegal fire-works, etc.

If you should have any further questions or require any additional information, please do not hesitate to contact me at 941-736-2419 or email me at jerry.rodriguez@ci.corona.ca.us.

Sincerely,



Captain Jerry Rodriguez
Investigative Services Commander

cc: Kolleen Hut

February 27, 2014



David Crook, AICP
Principal Planner
One Venture, Suite 150
Irvine, CA 92618

Re: REQUESTED INFORMATION REGARDING LIBRARY FACILITIES AND SERVICES FOR THE SKYLINE HEIGHTS PROJECT

Dear David:

I received your letter requesting a response regarding the City of Corona Public Library and issues relating to the provision of library services and facilities for the proposed project and surrounding area, as appropriate. Following are your questions and the responses from our office in blue.

- 1) Please provide the following information for the City of Corona Public Library: (1) size of library buildings (square footage) **62,000 square foot building**; (2) personnel/staff **40 staff members**; (3) collection size and amenities **170,440 items in our collection, amenities are computers, passport services, private study rooms and free Wi-Fi**; (4) programmed or target service population **City of Corona residents and non-residents**; (5) actual population served, including assigned census tracts upon which service population is determined **64, 120 borrowers in the City of Corona census tracts A001-A010 and J001-J010 with 85,856 total borrowers that are residents and non-residents**. (6) Hours of operation **Monday – Wednesday 10:00 am – 9:00 pm, Thursday – Friday 10:00 am – 5:00 pm, Saturday 12:00 pm – 5:00 pm, closed Sunday**.
- 2) Would the proposed project be located within a service area of any other libraries? **Corona Public Library is the only City Branch. There are (13) libraries within the Riverside County Library system.**
- 3) Please identify any planned, funded and/or scheduled service improvements or expansions to City library facilities that would serve the proposed project. **There is a Community Development Block Grant funded project to install lower shelving in Adult Services for ADA compliance in the planning process now.**
- 4) Please provide the City of Corona Public Library standards and goals used to assess the adequacy of library facilities and potential impact from project development. **The impact would be determined by the parking lot usage, circulation of materials, and patron count.**

Please let me know if you have any questions, you may contact me at 951-736-2401.

Sincerely,

A handwritten signature in black ink that reads "Katherine Backus".

Katherine Backus
Management Analyst
Corona Public Library



CORONA-NORCO UNIFIED SCHOOL DISTRICT
 2820 CLARK AVENUE • NORCO, CALIFORNIA 92860-1903
 TELEPHONE: (951) 736-5000 • <http://www.cnusd.k12.ca.us>

Michael H. Lin, Ed.D., Superintendent
 Tel.: (951) 736-5010 / Fax: (951) 736-5015

**Sherry Mata, Deputy Superintendent
 Business Services**
 Tel.: (951) 736-5020 / Fax: (951) 736-5055

**Samuel Buenrostro, Ed.D., Asst. Superintendent
 Human Resources**
 Tel.: (951) 736-5060 / Fax: (951) 736-5077

**Michael G. Cobarrubias, Asst. Superintendent
 Instructional Support**
 Tel.: (951) 736-5111 / Fax: (951) 736-5172

**David C. Hansen Ed. D., Asst. Superintendent
 Educational Services**
 Tel.: (951) 736-5080 / Fax: (951) 736-5087

**Ted E. Rozzi, Asst. Superintendent
 Facilities**
 Tel.: (951) 736-5045 / Fax: (951) 736-5047

**Linda K. White
 Assistant to the Superintendent**
 Tel.: (951) 736-5003 / Fax: (951) 736-5015

Telephone: 951.736.5045
Fax: 951.736.5047
e-mail: nbaker@cnusd.k12.ca.us

March 13, 2014

David Crook, AICP
 PCR
 One Venture, Suite150
 Irvine, CA 92618

RE: WILL SERVE LETTER
TRACT: 36544, 292 Detached Single Family Homes
FOR THE DEVELOPMENT LOCATED: The Skyline Heights Project
Foothill Pkwy, E of Paseo Grande and W Trudy Wy

Dear Mr. Crook:

The Corona-Norco Unified School District is a K–12 unified school district. The District serves the City of Corona, City of Norco, City of Eastvale, City of Jurupa Valley and portions of unincorporated Riverside County. The District operates 31 elementary schools, 8 intermediate schools, 5 comprehensive high schools and 3 alternative high schools.

In accordance with District Policy, students from the subject development would be assigned to the following schools.

Adams Elementary	2350 Border Ave Corona, CA 92882	951-736-3313
Raney Intermediate	1010 W. Citron St Corona, CA 92882	951-736-3221
Corona High School	1150 W. Tenth St Corona, CA 92882	951-736-3211

PLEASE BE ADVISED THAT THE DISTRICT CANNOT GUARANTEE THAT THE ABOVE LISTED SCHOOLS CAN OR WILL CONTINUE TO ACCEPT STUDENT ENROLLMENT FROM THE SUBJECT DEVELOPMENT. If the above schools are at capacity and cannot accept a student from the subject development, the school district will bus the student to the nearest school with room on the same calendar.

Board of Education

Jose W. Lalas, Ph.D. Bill Newberry

Cathy L. Sciortino Mitchell A. Skipworth John "Mr. Z" Zickefoose



Student Generation Rates.

Anticipated students from Tract 36544 will generate approximately:

Elementary (k-6)	Intermediate (7-8)	High School (9-12)	Total
88	25	43	156

School of attendance boundaries may be viewed on the Internet at: <http://www.cnusd.k12.ca.us>

***** ANY AND ALL STUDENTS ENROLLING IN THE DISTRICT ARE SUBJECT TO SCHEDULE, CALENDAR, AND SCHOOL CHANGES AS THE NEED ARISES.*****

Sincerely,



Nancy Baker
Facilities, Supervisor

c: Ted Rozzi, Assistant Superintendent, Facilities Division

Brian Allee

From: David Crook
Sent: Wednesday, April 30, 2014 12:52 PM
To: Brian Allee
Subject: FW: Skyline Heights Project

Yo, here is the parks info

From: Steve Lawson [<mailto:Steve.Lawson@ci.corona.ca.us>]
Sent: Tuesday, April 29, 2014 10:56 AM
To: David Crook
Subject: RE: Skyline Heights Project

Dave –

Here are the answers to the questions asked in your letter dated February 20, 2014:

1. The name, location, size, park classification (regional, community, neighborhood, or special use), and available facilities within the parks that would serve the Project site.
Mountain Gate Park, 3100 S. Main Street; community; contains three ball fields, four tennis courts, a tot lot, one basketball court, one picnic shelter, a restroom/concession building, and several benches.
2. Existing ratios of developed parkland per resident on a city-wide basis and, if available, for the area serving the project site.
393 acres of developed parkland / 158,391 residents = 0.00248 acres of developed parkland per resident
3. Current capacity/level of use of parks and recreation facilities near the Project site.
Mountain Gate Park is heavily used.
4. Future plans for construction or expansion of parks and recreational facilities.
Which parks and recreational facilities are you referring to?
5. City-adopted parks and recreation standards and acreage goals to be used in analyzing the Project. Confirm if such standards are applicable to the Project.
3.5 acres of parkland per 1,000 residents is our acreage goal.
6. Any other relevant information or concerns regarding potentially significant Project impacts.
None.

I hope this helps. Again, sorry for the delay.

Steve Lawson
Senior Management Analyst
City of Corona - Department of Water & Power
Office: 951.736.2369
Cell: 951.453.0355
Fax: 951.735.3786
www.coronadwp.com

From: David Crook [<mailto:D.Crook@pcrnet.com>]
Sent: Monday, April 28, 2014 12:40 PM
To: Steve Lawson
Subject: RE: Skyline Heights Project

No sweat, thanks.

Dave

From: Steve Lawson [<mailto:Steve.Lawson@ci.corona.ca.us>]
Sent: Monday, April 28, 2014 9:45 AM
To: David Crook
Subject: RE: Skyline Heights Project

Dave –

I'm sorry I've yet to respond. I'm working on the information as we speak and will send you something by tomorrow. Again, sorry for the delay.

Steve Lawson
Senior Management Analyst
City of Corona - Department of Water & Power
Office: 951.736.2369
Cell: 951.453.0355
Fax: 951.735.3786
www.coronadwp.com

From: David Crook [<mailto:D.Crook@pcrnet.com>]
Sent: Monday, March 24, 2014 9:41 AM
To: Steve Lawson
Subject: RE: Skyline Heights Project

No problem, thanks for the update.

Dave

From: Steve Lawson [<mailto:Steve.Lawson@ci.corona.ca.us>]
Sent: Friday, March 21, 2014 11:49 AM
To: David Crook
Subject: Skyline Heights Project

David –

The City of Corona Department of Water & Power has received your request for information regarding the Skyline Heights Project. While we're unable to get you said information today, I will be able to get it to you within the next two weeks. Thank you for your patience and understanding.

Steve Lawson
Senior Management Analyst
City of Corona - Department of Water & Power
Office: 951.736.2369
Cell: 951.453.0355

Fax: 951.735.3786
www.coronadwp.com

Brian Allee

From: Steve Wilkinson [Steve.Wilkinson@ci.corona.ca.us]
Sent: Friday, February 28, 2014 7:04 AM
To: Brian Allee
Subject: Request for Information Regarding Solid Waste Facilities and Services - Skyline Heights Project
Attachments: Corona Public Works - Waste Management_Recycling Request for Information 2.20.14.pdf

Mr. Allee,

Please find below the information requested for Skyline Heights Project. This information is comparable to the same questions provided in 2013 for the Corona Regional Medical Center Draft EIR.

Thank you.

1. Which landfills are presently used in disposal of solid waste from the project area and vicinity and what are the respective closure dates?

El Sobrante Landfill, 10910 Dawson Canyon Road, Corona, CA 92877-0130. Expected closure date in facility's permits is 2045.

2. What is the estimated solid waste generation for the proposed project? Please include generation factors.

n/a

3. Is Solid Waste Pick-Up service available for the proposed project?

Yes, through the City of Corona's franchise waste hauler, Waste Management of the Inland Empire.

4. Is there any other relevant information regarding potential project impacts?

From: Brian Allee [<mailto:B.Alee@pcrnet.com>]
Sent: Wednesday, May 01, 2013 11:42 AM
To: Steve Wilkinson
Subject: Request for Information Regarding Solid Waste Facilities and Services

Dear Mr. Wilkinson

Please find the attached Request for Information Regarding Solid Waste Facilities and Services for the Corona Regional Medical Center Expansion Project Environmental Impact Report (EIR). The attachments (in both Microsoft Word and PDF format for ease of reference) include a brief description of the proposed project, the location of the project site, site plans, and a list of requested information. We are requesting information from your agency with regard to the project's potential impacts on solid waste – waste management/recycling.

In order for the project team to maintain our projected schedule, we would appreciate your written response by Friday, May 10, 2013. It is preferable to email your response to myself, or David Crook at d.crook@pcrnet.com. Please feel free

insert your responses directly into the attached word document, handwrite into the PDF document, scan/email, fax (949.753.7002) or mail to us. Thanks in advance for your cooperation.

Brian J. Allee

Senior Planner



1 VENTURE, SUITE 150
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