



STAFF REPORT

Report To: Board of Supervisors **Meeting Date:** February 17, 2022

Staff Contact: Darren Schulz, Public Works Director

Agenda Title: For Possible Action: Discussion and possible action regarding a request from the State of California, Governor's Office of Emergency Services ("CalOES") for a Letter of Concurrence for CalOES to use frequencies which are adjacent to frequencies licensed to and used by the City. (Darren Schulz, DSchulz@carson.org; James Jacklett, JJacklett@carson.org)

Staff Summary: CalOES plans to use two radio frequencies that are distinct from, but adjacent to, two radio frequencies used by the City. Federal Communications Commission ("FCC") regulations require CalOES to seek a Letter of Concurrence from the City, which notifies the City of CalOES's proposed frequency usage. Consistent with FCC regulations, the Letter of Concurrence provides that if CalOES's usage causes harmful interference to the City, and that interference cannot be timely resolved, CalOES must cease operations.

Agenda Action: Formal Action / Motion **Time Requested:** Consent

Proposed Motion

I move to approve, and authorize the Mayor to sign, the Letter of Concurrence as presented.

Board's Strategic Goal

Efficient Government

Previous Action

N/A

Background/Issues & Analysis

The City is an existing licensee of 155.1750 and 158.8200 MHz under call signs WQN925 and WQEU275, respectively. The frequencies are used in the City's Public Safety Radio System for CCSO Search and Rescue and the CCSO Jail operations. CalOES seeks to operate at 155.1825 MHz and 158.8125 MHz, also for public safety purposes.

Public Works has reviewed the request and considered the potential for harmful interference and is recommending issuance of the letter.

Applicable Statute, Code, Policy, Rule or Regulation

47 CFR §§ 90.173(a)-(b), 90.175(a)-(b), 90.187; NRS 277.180.

Financial Information

Is there a fiscal impact? No

If yes, account name/number: N/A

Is it currently budgeted? No

Explanation of Fiscal Impact: N/A

Alternatives

Do not accept staff's recommendation and/or provide alternate direction to staff.

Attachments:

[Carson City_LOC Request_WQEU275 WQN925_ver2.pdf](#)

Board Action Taken:

Motion: _____

1) _____

2) _____

Aye/Nay

(Vote Recorded By)



November 9, 2021

Mr. James Jacklett
Carson City
3505 Butti Way
Carson City, NV 89701

Dear Mr. Jacklett:

The State of California, Governor's Office of Emergency Services (CalOES) is in the process of implementing a statewide-centralized trunked radio system. CalOES is proposing to utilize frequencies, 155.1825 and 158.8125 MHz, per the parameters listed below, which are adjacent channels to 155.1750 and 158.8200 MHz licensed to City of Carson City under Call Sign WQN925 and WQEU275 respectively.

Location: Leviathan Peak (38-41-0.60 N, 119-36-42.60 W) ERP: 100 W

Frequency #1: 155.1825 MHz Station Class: FB8, Centralized trunked Relay

Frequency #2: 158.8125 MHz Station Class: MO8, Centralized Trunk Mobile

FCC rule 90.173 (a) & (b) and 90.175 (a) & (b) provide for shared use of the frequency spectrum, and the procedures to be followed for assignment of frequencies. One of the procedures is to obtain a Letter of Concurrence (LOC) to insure that all affected licensees are aware of the proposed frequencies by the State of California.

Should any interference problems arise resulting from our proposed frequency, the licensees must cooperate in the resolution of the issue according to FCC rule 90.173(b), taking into consideration that the frequency spectrum is shared. If the interference cannot be resolved in a timely manner, the State of California will cease operations.

The State of California respectfully requests your concurrence for this radio station application. Please indicate your response below and either fax or scan and email it to my attention at (916) 894-5392 (fax) or email radiolicensing@caloes.ca.gov. Your immediate attention to this matter would be greatly appreciated.

If you have any questions, please contact me at (916) 894-5096.

Sincerely,

Senior Telecommunications Engineer

I concur with State of California's request to license frequencies 155.1825 and 158.8125 MHz, and understand these channels are part of a centralized trunked system.

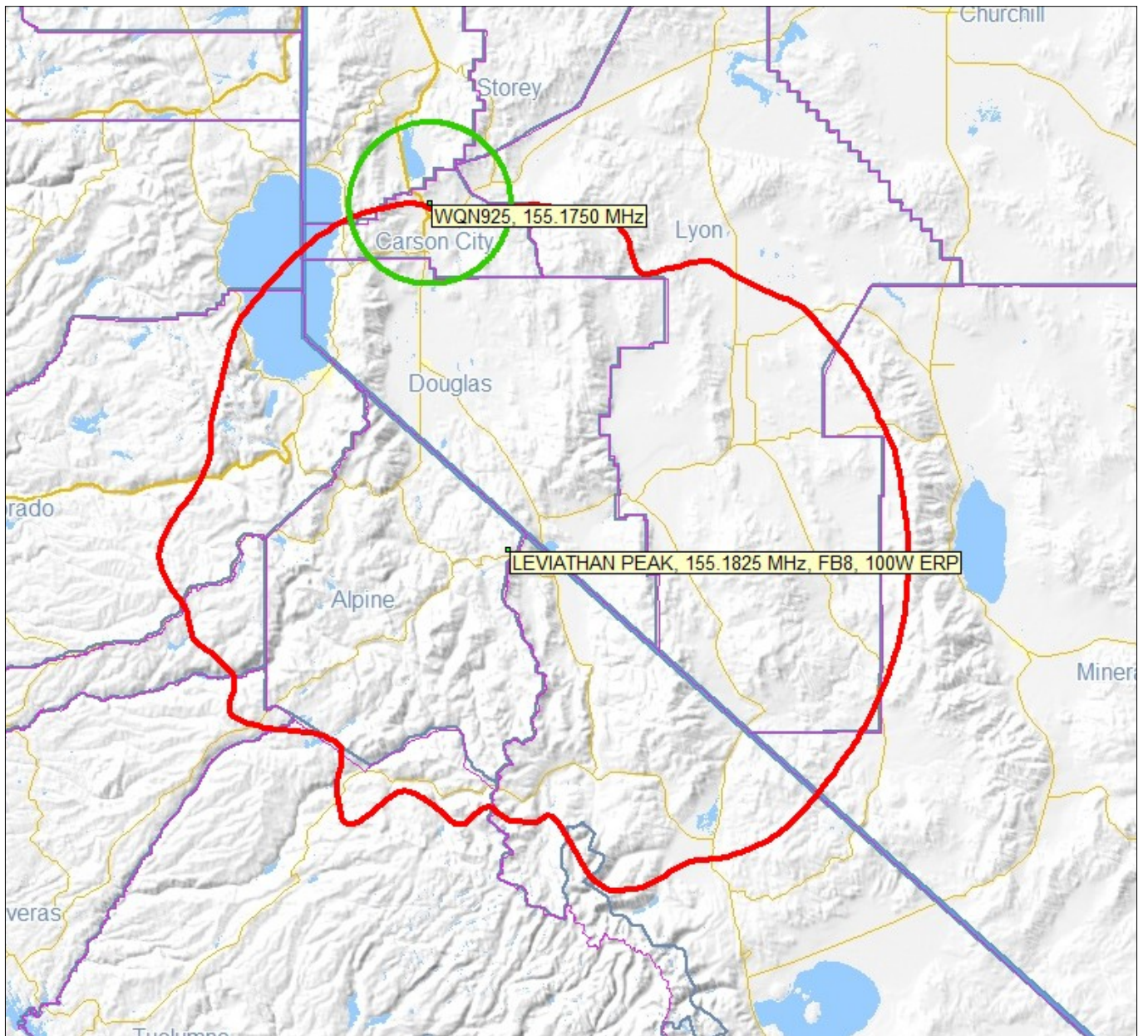
Date: _____
Authorized Signature and Title

I do not concur with State of California's request to license 155.1825 and 158.8125 MHz.

Date: _____
Authorized Signature and Title



3650 SCHRIEVER AVENUE, MATHER, CA 95655
(916) 845-8506 TELEPHONE (916) 845-8511 FAX
www.CalOES.ca.gov

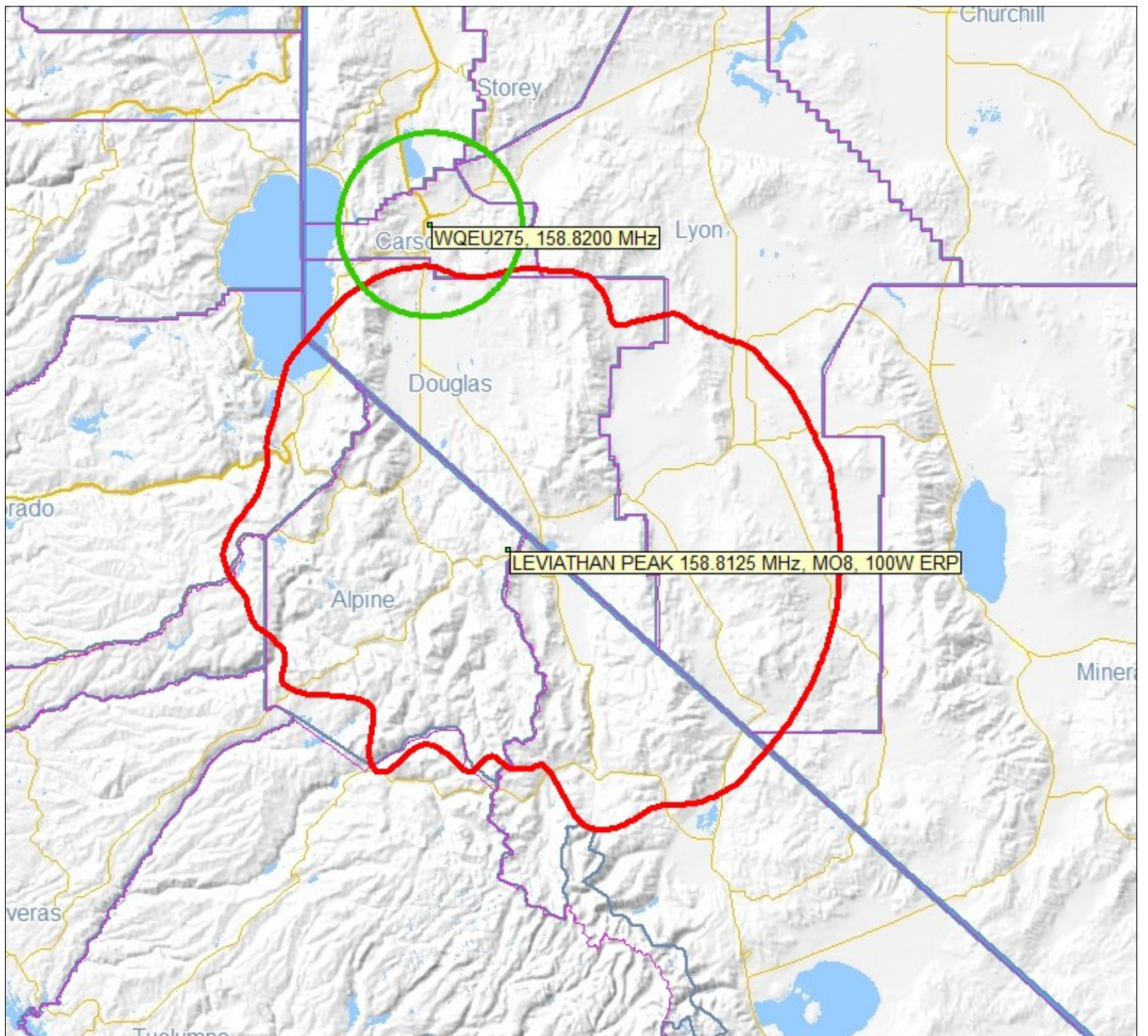


Proposed Frequency: 155.1825 MHz, FB8, Centralized trunked Relay
ERP: 100 Watts

Legend:

Green: 37 dBμ Service Contour of 155.1750 MHz under WQN925

Red: 44 dBμ Interference Contour of the proposed frequency



Proposed Frequency: 158.8125 MHz, MO8, Centralized trunked Mobile
ERP: 100 Watts

Legend:

Green: 37 dBμ Service Contour of 158.8200 MHz under WQEU275

Red: 48 dBμ Interference Contour of the proposed frequency

REFERENCE COPY

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

RADIO STATION AUTHORIZATION

LICENSEE: CITY OF CARSON CITY

ATTN: COMMUNICATIONS MANAGER
CITY OF CARSON CITY
3505 BUTTI WAY
CARSON CITY, NV 89701

Call Sign WQEU275	File Number 0007152469
Radio Service PW - Public Safety Pool, Conventional	
Regulatory Status PMRS	
Frequency Coordination Number	

FCC Registration Number (FRN): 0005761614

Grant Date 02-26-2016	Effective Date 02-26-2016	Expiration Date 04-15-2026	Print Date 02-27-2016
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STATION TECHNICAL SPECIFICATIONS

Fixed Location Address or Mobile Area of Operation

- Loc. 1 Address:** 901 E. MUSSER STREET
City: CARSON CITY **County:** **State:** NV
Lat (NAD83): 39-09-49.7 N **Long (NAD83):** 119-45-34.7 W **ASR No.:** **Ground Elev:** 1421.0
- Loc. 2 Area of operation**
Operating within a 40.0 km radius around fixed location 1

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	000158.82000000	FB2	1		11K2F3E 8K10F1E	100.000	100.000	15.0	-287.9	04-15-2007
2	1	000155.94000000	MO	350		11K2F3E 8K10F1E	50.000	50.000			04-15-2007
2	1	000158.82000000	MO	350		11K2F3E 8K10F1E	50.000	50.000			04-15-2007

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: CITY OF CARSON CITY

Call Sign: WQEU275

File Number: 0007152469

Print Date: 02-27-2016

Control Points

Control Pt. No. 1

Address: 4649 SNYDER DR.

City: CARSON CITY **County:** **State:** NV **Telephone Number:** (775)887-2365

Associated Call Signs

<NA>

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.

Special Condition for AU/name change (6/4/2016): Grant of the request to update licensee name is conditioned on it not reflecting an assignment or transfer of control (see Rule 1.948); if an assignment or transfer occurred without proper notification or FCC approval, the grant is void and the station is licensed under the prior name.

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.

REFERENCE COPY

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

RADIO STATION AUTHORIZATION

LICENSEE: CITY OF CARSON CITY

ATTN: COMMUNICATIONS MANAGER
CITY OF CARSON CITY
3505 BUTTI WAY
CARSON CITY, NV 89701

Call Sign WQN925	File Number 0006913360
Radio Service PW - Public Safety Pool, Conventional	
Regulatory Status PMRS	
Frequency Coordination Number	

FCC Registration Number (FRN): 0005761614

Grant Date 08-31-2015	Effective Date 08-31-2015	Expiration Date 08-20-2025	Print Date 09-01-2015
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STATION TECHNICAL SPECIFICATIONS

Fixed Location Address or Mobile Area of Operation

Loc. 1 Area of operation

Other: VIC: CARSON CITY NV

Loc. 2 Address: 4200 EMERSON DR

City: CARSON CITY County: State: NV

Lat (NAD83): 39-11-44.7 N Long (NAD83): 119-45-38.7 W ASR No.: Ground Elev: 1433.0

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
1	1	000155.1600000	MO	40		11K2F3E	60.000				
1	1	000155.1750000	MO	40		11K2F3E	60.000				
2	1	000155.1750000	FB	1		11K2F3E	60.000		11.0	0.0	

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: CITY OF CARSON CITY

Call Sign: WQN925

File Number: 0006913360

Print Date: 09-01-2015

Control Points

Control Pt. No. 1

Address: 901 E MUSSER ST

City: CARSON CITY **County:** **State:** NV **Telephone Number:** (775)887-2342

Associated Call Signs

<NA>

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.

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