

**AGENDA
REGULAR MEETING
YECA GOVERNING BOARD
June 2, 2021
11:00 A.M. Public Session**

Woodland Police Department, 1000 Lincoln Ave, “Community Room,” Woodland, CA 95695

NOTE: This meeting is being agendized to allow Board Members, staff, and the public to participate in the meeting via teleconference, pursuant to the Governor’s Executive Order N-29-20 (March 17, 2020), available at the following link:

Teleconference Options to join Zoom meeting:

By PC: <https://us02web.zoom.us/j/89499917087>

Meeting ID: 894 9991 7087

Or

By Phone: (669) 900-6833

Meeting ID: 894 9991 7087

ALL ITEMS ARE FOR ACTION UNLESS OTHERWISE NOTED WITH AN ASTERISK (*)

1. Call to Order (11:00 AM)

2. Approval of the Agenda

3. Announcements

4. Public Comment

Speakers must state their name and city of residence for the record and limit their remarks to three minutes. Members of the public audience may address the Governing Board on any item not on today’s agenda. No response is required and no action can be taken, however, the Governing Board may add the item to the agenda of a future meeting.

5. Consent Agenda

Consent Agenda items are considered to be routine and will be considered for adoption by one motion. There will be no separate discussion of these items unless a member of the Governing Board, member of the audience, or staff requests that the Governing Board remove an item. If an item is removed, it will be discussed in the order in which it appears on the Agenda.

- a. Approval of the Minutes from the May 5, 2021 Regular Meeting and May 12, 2021 Special Meeting
- b. Operations Division Report
- c. Current Year Budget Status Update
- d. Resolution for Employment Risk Management Authority
- e. T-Mobile Lease Amendment

6. Old Business

- a. Records Management System Update
- b. ALERTWildfire Camera Program Status
- c. Robbins Fire District

7. Regional Radio Needs Assessment Presentation from CSI Telecommunications, Craig Trygstad, Principal Engineer - Info Only

- a. Radio Needs Assessment Report

8. Closed Session

- a. Public Employee Performance Evaluation (GC54957)
Position Title: Executive Director

9. Next Scheduled JPA Board Meeting Date TBD

10. Items for Future Agenda

11. Adjournment

I declare under penalty of perjury that the foregoing agenda was available for public review and posted on/or before May 28, 2021 on the bulletin board outside of the Yolo County, Erwin Meier Administration Center, 625 Court St., Woodland, California and on the agency website:



Dena Humphrey, Executive Director

PUBLIC PARTICIPATION INSTRUCTIONS:

Based on guidance from the California Department of Public Health and the California Governor's Office, in order to minimize the spread of the COVID 19 virus, please do the following:

- 1. You are strongly encouraged to observe the live stream of the meeting at <https://us02web.zoom.us/j/89499917087>, Meeting ID: 894 9991 7087 or by phone at (669) 900-6833 Meeting ID: 894 9991 7087.
- 2. If you are joining the meeting via zoom and wish to make a comment on an item, press the "raise a hand" button. If you are joining the meeting by phone, press *9 to indicate a

desire to make comment. The chair will call you by name or phone number when it is your turn to comment. Speakers will be limited to 3:00 minutes.

3. If you choose not to observe the meeting but wish to make a comment on a specific agenda item, please submit your comment via email by 5:00 p.m. on the Monday prior to the meeting. Please submit your comment to the Dena Humphrey at dhumphrey@yolo911.org. Your comment will be placed into the record at the Board meeting.
4. If you are watching/listening to the live stream of the meeting and wish to make either a general public comment or to comment on a specific agenda item as it is being heard, you may also submit your comment, limited to 250 words or less, to the Dena Humphrey at dhumphrey@yolo911.org noting in the subject line: For Public Comment. Every effort will be made to read your comment into the record, but some comments may not be read due to time limitations. Comments received after an agenda item will be made part of the record if received prior to the end of the meeting.

If you are a person with a disability and you need disability related accommodations to attend the meeting, please contact Corina Macias at (530) 666-8919 or (530) 666-8909 (fax). Requests for accommodations must be made at least two full business days before the start of the meeting.

**YOLO EMERGENCY COMMUNICATIONS AGENCY (YECA)
GOVERNING BOARD
May 5th, 2021
2:00 P.M. Public Session
Minutes**

The YECA Governing Board met on Wednesday May 5th, 2021 at the Woodland Police Department 1000 Lincoln Ave – Community Room, Woodland. Chair Derrek Kaff called the meeting to order at 2:04 p.m.

This meeting was formatted to allow Board Members, staff, and the public to participate in the meeting via teleconference, pursuant to the Governor’s Executive Order N-29-20 (March 17, 2020), was available at the following link:

Teleconference Options to join Zoom meeting:
By PC: <https://us02web.zoom.us/j/84256097223>
Meeting ID: 842 5609 7223
Or
By Phone: (669) 900-6833
Meeting ID: 842 5609 7223

PRESENT: Primary Board Members: Derrek Kaff, City of Woodland, Dena Humphrey, YECA Executive Director

Joined via ZOOM: Tom Lopez, Yolo County, Steve Binns, City of West Sacramento, Rebecca Ramirez, Yocha Dehe Wintun Nation, John Miller, City of Winters

Entry No.2

Minute Order No. 2021-36

Approval of the Agenda - Approved as presented

MOTION: Lopez SECOND: Miller AYES: Kaff, Binns, Lopez, Ramirez, Miller

Entry No. 3

Announcements – None

Entry No. 4

Public Comment – None

Entry No. 5

Minute Order No. 2021-37; Approval of Consent Agenda - Approved

- a. Approval of the Minutes from the March 3, 2021, Regular Meeting
- b. Operations Division Report
- c. Current Year Budget Status Update
- d. 2021 1st Quarter- Dispatch to Queue
- e. FY21 Budget Adjustments

MOTION: Miller SECOND: Ramirez AYES: Kaff, Binns, Lopez, Ramirez, Miller

Entry No. 6

Old Business

- a. YECA Building Remodel- Dena presented proposal for building remodel with any available funding coming from grants. As YECA plans for the future operational needs of the agency, YECA will need to eventually split the workload of the West Sacramento law channel

between 2 dispatchers as well as for the Woodland Law channel. Kaff supported this proposal citing steadily increasing call volume reaching critical mass but expressed funding concerns. Kaff questioned how the agency can formally present this remodel. Dena proposed meeting with the city managers and the CAO to execute moving forward with the YECA remodel. Kaff supported this proposal and added that YECA staff give a tour of the agency to enable city managers and CAO representatives to better understand potential operational limitations. Binns and Ramirez supported this proposal with Binns advising that he would meet with the West Sacramento City Manager.

- b. Records Management System Update - Billy Keen, YECA I.T. Manager presented power point for the Central Square IQ search feature.

Current Implementation- Plan A – Multiple Tenant Solution

- *CS Cloud WDP Tenant

- *CS Cloud WSP Tenant

- *CS Cloud YSO Tenant

Optional Implementation- Plan B – Single Tenant Solution

- *CS Cloud YECA Tenant – Primary Agency YECA, Secondary Agencies – WSP, WDP, YSO

Kaff advised that his staff supported Plan B as the best solution for their agency.

- c. ALERT Wildfire Camera Program Status – Dena advised that the MOU was not received until a week prior to the meeting but once MOU's are in place this program will take about a week to execute.

Entry No. 7

Regional Radio Needs Assessment Presentation from CSI Telecommunications, Craig Trygstad, Principal Engineer- Info Only

- a. Radio Needs Assessment Report – This item was pulled. Kaff supported bringing this agenda item to the meeting in June to discuss radio needs.

Entry No. 8

Closed Session- Out of Session: 2:29pm

- a. Public Employee Performance Evaluation (GC54957) Position Title: Executive Director

Back in session: 2:39pm

Entry No. 9

Next Scheduled JPA Board Meeting Date May 12, 2021 at 2pm, "Special Meeting"

- a. Lopez requested adding a 15min closed session for the next meeting, Kaff supported this proposal.

Entry No.10

Items for Future Agenda

- a. YECA Re-Org
- b. T-Mobile Lease

Entry No. 11 Meeting Adjourned at 2:50 p.m. Minutes submitted by Tianna Dumas

**YOLO EMERGENCY COMMUNICATIONS AGENCY (YECA)
GOVERNING BOARD**

May 12th, 2021

2:00 P.M. Public Session “Special Meeting”

Minutes

The YECA Governing Board met on Wednesday May 12th, 2021 via Zoom. Chair Derrek Kaff called the meeting to order at 2:01 p.m.

This meeting was formatted to allow Board Members, staff, and the public to participate in the meeting via teleconference, pursuant to the Governor’s Executive Order N-29-20 (March 17, 2020), was available at the following link:

Teleconference Options to join Zoom meeting:
By PC: <https://us02web.zoom.us/j/84256097223>
Meeting ID: 842 5609 7223
Or
By Phone: (669) 900-6833
Meeting ID: 842 5609 7223

PRESENT: Primary Board Members: None

Joined via ZOOM: Derrek Kaff, City of Woodland, Dena Humphrey, YECA Executive Director, Tom Lopez, Yolo County, Steve Binns, City of West Sacramento, Rebecca Ramirez, Yocha Dehe Wintun Nation, John Miller, City of Winters

Entry No.2

Minute Order No. 2021-38

Approval of the Agenda - [Approved as presented](#)

MOTION: Ramirez SECOND: Binns AYES: Kaff, Binns, Lopez, Ramirez

Entry No. 3

Public Comment – None

Entry No. 4

Minute Order No. 2021-39

Proposed YECA Administration Division & Operations Restructure- [Approved](#)

- a. Dena presented and outlined plans for the vacancy of the HR/Fiscal Administrator position. The restructure entails using existing staff to absorb some of the duties of the HR/Fiscal administrative position, while reclassifying and creating a new position for an Accountant II and an Operations Supervisor position. Proposed restructure costs would be absorbed within the FY22 Budget; no additional funds would be needed to fund this restructure. Ramirez questioned the proposed position of the Operations Supervisor, wanting to know if the person in this position would be able to pick up duties of the Deputy Director in their absence. Lopez echoed this sentiment questioning the ability of these positions to laterally support the overall operations of the agency. Dena affirmed that the purpose of these added positions would be creating future skillsets and cross training for succession planning.

MOTION: Lopez SECOND: Miller AYES: Kaff, Binns, Lopez, Ramirez, Miller

Entry No. 5 Meeting Adjourned at 2:16 p.m.

Minutes submitted by Tianna Dumas

STAFF REPORT

Agenda Item: 5.b

Date: June 2, 2021
To: YECA Governing Board
Thru: Dena Humphrey, Executive Director
From: Leah Goodwin, Operations Manager
Subject: April 2021 Operations Division Report
Recommendation: No action required; information only.
Summary: Operations staff is currently engaged in the following:

Staffing:

1. Out of 39 funded operations positions:

Classification	Filled	Funded	Vacant
Supervisor	4	4	0
Dispatcher III	3	4	1
Dispatcher I/II	25	26	1
Dispatch Assistant	4	4	0
TOTAL	36	38	2



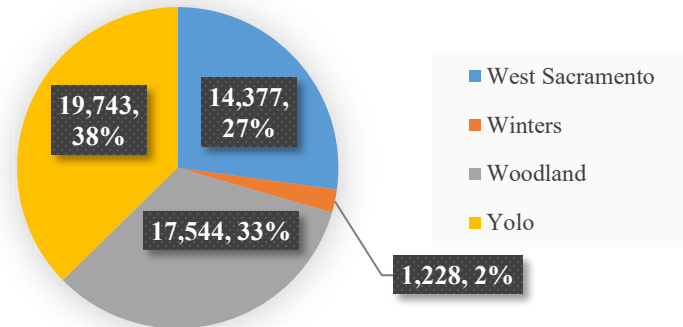
- a. Bailey Clemons has completed training on the YSO/WNP radio (1st console).
 - b. Naiya Johnson has completed training on the WDP radio (4th and final console).
 - c. Brittany Bray has completed training on the Fire radio (2nd console).
 - d. New dispatchers, Gabriel Hernandez and Nikole Patterson, have completed their call taking training and are scheduled to begin training on their first radios.
 - e. New staff: Cody Wooten, Beverly Franks and Natalie Lorenzo have completed their in-house academy and begun training in the call taking phase.
2. Recruitment is closed and we are interviewing now for a scheduled academy August 2021.

Statistical Information:

Monthly Phone Statistics:

	Jan	Feb	Mar	Apr	YTD
9-1-1	4,766	4,019	4,594	5,149	18,528
7-Digit Emergency	960	768	835	872	3,435
AMR	124	118	159	146	547
West Sacramento	3,772	3,412	3,536	3,657	14,377
Winters	298	286	327	317	1,228
Woodland	4,397	4,222	4,423	4,502	17,544
Yolo	4,979	4,609	5,212	4,943	19,743
Outgoing	5,453	4,936	5,658	5,559	21,606
TOTAL	24,749	22,370	24,744	25,145	97,008

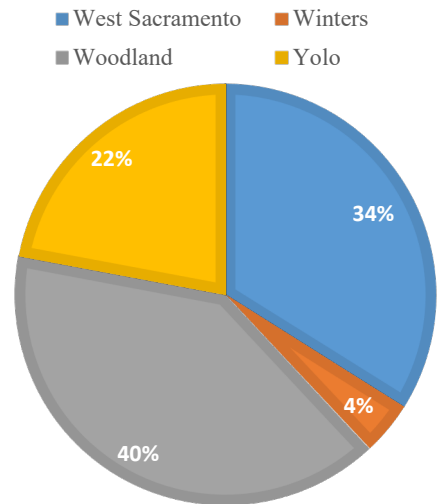
**2021 YTD
Incoming Non-Emergency
Lines**



Monthly CAD Events:

	Jan	Feb	Mar	Apr	YTD
West Sacramento					
TOTAL	5,671	5,799	5,272	5,688	22,430
Winters					
TOTAL	620	591	737	752	2,700
Woodland					
TOTAL	6,664	6,254	6,487	6,995	26,400
Yolo					
TOTAL	3,285	3,290	4,061	3,978	14,577
Yocha Dehe					
TOTAL	36	28	37	36	137
Arbuckle					
TOTAL	43	36	32	33	144
Outside Agency/non-geo validated					
TOTAL	153	133	189	97	571
UCD					
TOTAL	103	87	89	93	372
GRAND TOTAL	16,575	16,218	16,904	17,672	67,331

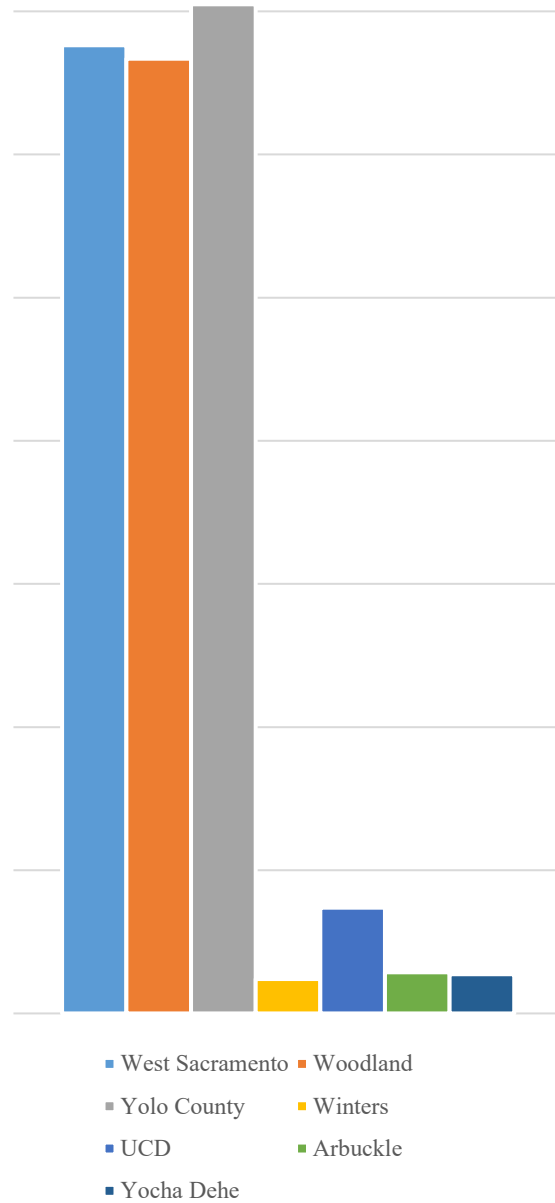
2021 YTD CAD Events



Fire CAD Events:

	Jan	Feb	Mar	Apr	YTD
West Sacramento					
Fire	412	282	383	349	1,426
Medical	521	423	495	517	1,956
TOTAL	933	705	878	866	3,382
Winters					
Fire	76	67	73	50	266
Medical	38	21	33	28	120
TOTAL	114	88	106	78	386
Woodland					
Fire	452	364	382	415	1,613
Medical	470	376	436	440	1,722
TOTAL	922	740	818	855	3,335
Yolo					
Fire	751	834	912	654	3,151
Medical	93	83	104	94	374
TOTAL	844	917	1,016	748	3,525
Yocha Dehe					
Fire	17	16	14	12	59
Medical	19	12	23	24	78
TOTAL	36	28	37	36	137
Arbuckle					
Fire	22	16	16	17	71
Medical	21	20	16	16	73
TOTAL	43	36	32	33	144
UCD					
Fire	77	65	72	73	287
Medical	23	22	17	20	82
TOTAL	100	87	89	93	369
ALL					
Fire	1,807	1,644	1,857	1,570	6,878
Medical	1,180	952	1,119	1,138	4,389
TOTAL	1,180	2,596	2,976	2,708	9,460

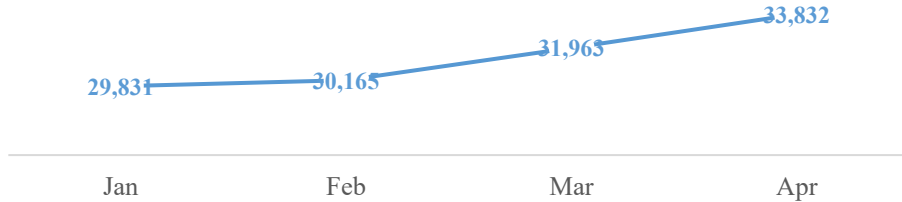
2021 Fire Events



CLETS Inquiries/Returns:

	Jan	Feb	Mar	Apr	YTD
Inquiries	29,831	30,165	31,963	33,832	125,791
Returns	48,211	48,751	51,657	54,677	203,296

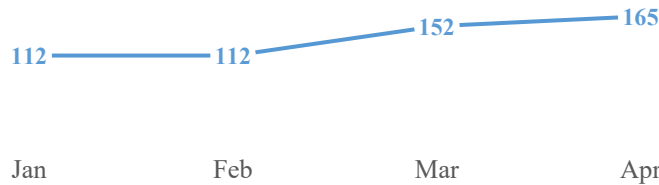
2021 YTD CLETS INQUIRIES



Confidential Records Requests (Audio & CAD Print out):

Jan	Feb	Mar	Apr	YTD
112	112	152	165	541

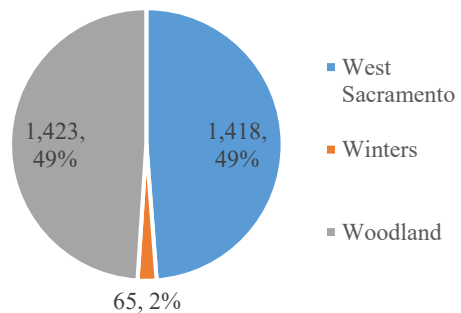
2021 RECORDING REQUESTS



After-Hours Records Entries:

	Jan	Feb	Mar	Apr	YTD
West Sacramento	403	295	383	337	1418
Winters	19	8	21	17	65
Woodland	303	400	457	263	1423
TOTAL	725	703	861	617	2,906

2021 YTD Records Entries



Text to 9-1-1:

	Jan	Feb	Mar	Apr	Total YTD
TOTAL	16	29	32	28	105

IROC:

	Jan	Feb	Mar	Apr	YTD
IROC		16	5	12	33

Projects:

1. YECA Re-Organization
 - a. Development of selection process: Operations Supervisor
2. Leadership Development Training
3. Policy Manual Revisions
4. Disaster Recovery Plan
 - a. Cases completed
 - b. Initial phase of staff training completed
 - c. Full recovery set up scheduled testing completed
5. Recruitment – selection for August 2021 Academy
6. 2021 In-Service Training Plan
7. CalOES GIS Pilot Project
8. Next Gen 9-1-1 Equipment Installations
9. CPE Replacement Planning

Agenda Item: 5.c

YECA BUDGET MANAGEMENT SUMMARY

2020 / 2021 As of 05/31/2021

	8%	17%	25%	33%	42%	50%	58%	67%	75%	83%	92%	100%
	JUL-20	AUG-20	SEPT-20	OCT-20	NOV-20	DEC-20	JAN-21	FEB-21	MAR-21	APR-21	MAY-21	JUN-21
360 3601-8350 ADMINISTRATION												
Appropriations	\$ 1,899,278	\$ 1,899,278	\$ 1,899,278	\$ 1,899,278	\$ 1,899,278	\$ 1,899,278	\$ 1,899,278	\$ 1,899,278	\$ 1,899,278	\$ 1,899,278	\$ 1,854,278	\$ 1,899,278
Encumbrances	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Expenditures	\$ 96,692	\$ 159,362	\$ 305,569	\$ 351,056	\$ 713,040	\$ 751,246	\$ 823,470	\$ 924,639	\$ 1,052,931	\$ 1,142,361	\$ 1,352,066	\$ -
Unencumbered	\$ 1,802,586	\$ 1,739,916	\$ 1,593,709	\$ 1,548,222	\$ 1,186,238	\$ 1,339,224	\$ 1,075,808	\$ 974,639	\$ 846,347	\$ 756,917	\$ 502,212	\$ 1,899,278
Percent Expended	5%	8%	16%	18%	38%	40%	43%	49%	55%	60%	73%	0%
360 3602-8351 OPERATIONS - DISPATCH												
Appropriations	\$ 4,275,668	\$ 4,275,668	\$ 4,275,668	\$ 4,275,668	\$ 4,275,668	\$ 4,275,668	\$ 4,275,668	\$ 4,275,668	\$ 4,275,668	\$ 4,275,668	\$ 4,245,668	\$ 4,275,668
Encumbrances	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Expenditures	\$ 361,308	\$ 598,771	\$ 1,057,943	\$ 1,245,250	\$ 1,638,950	\$ 1,881,630	\$ 2,111,185	\$ 2,377,171	\$ 2,761,034	\$ 3,049,092	\$ 3,465,922	\$ -
Unencumbered	\$ 3,914,360	\$ 3,676,897	\$ 3,217,725	\$ 3,030,418	\$ 2,636,718	\$ 2,394,038	\$ 2,164,483	\$ 1,898,497	\$ 1,514,634	\$ 1,226,576	\$ 779,746	\$ 4,275,668
Percent Expended	8%	14%	25%	29%	38%	44%	49%	56%	65%	71%	82%	0%
360 3601-8356 INFORMATION TECHNOLOGY												
Appropriations	\$ 661,300	\$ 661,300	\$ 661,300	\$ 661,300	\$ 661,300	\$ 661,300	\$ 661,300	\$ 661,300	\$ 661,300	\$ 661,300	\$ 736,300	\$ 661,300
Encumbrances	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Expenditures	\$ 53,708	\$ 136,056	\$ 175,536	\$ 423,919	\$ 443,043	\$ 479,803	\$ 521,096	\$ 542,219	\$ 646,983	\$ 661,659	\$ 713,756	\$ -
Unencumbered	\$ -	\$ 525,244	\$ 485,764	\$ 237,381	\$ 218,257	\$ 181,497	\$ 140,204	\$ 119,081	\$ 14,317	\$ (359)	\$ 22,544	\$ 661,300
Percent Expended	8%	21%	27%	64%	67%	73%	79%	82%	98%	100%	97%	0%
TOTAL for all budget units - B/U 30- Administration; 40- Operations Dispatch; 50-Information Technology												
Appropriations	\$ 6,836,246	\$ 6,836,246	\$ 6,836,246	\$ 6,836,246	\$ 6,836,246	\$ 6,836,246	\$ 6,836,246	\$ 6,836,246	\$ 6,836,246	\$ 6,836,246	\$ 6,836,246	\$ 6,836,246
Encumbrances	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Expenditures	\$ 511,708	\$ 894,189	\$ 1,539,048	\$ 2,020,225	\$ 2,795,033	\$ 3,112,679	\$ 3,455,751	\$ 3,844,028	\$ 4,460,949	\$ 4,853,112	\$ 5,531,744	\$ -
Unencumbered	\$ 6,324,538	\$ 5,942,057	\$ 5,297,198	\$ 4,816,021	\$ 4,041,213	\$ 3,723,567	\$ 3,380,495	\$ 2,992,218	\$ 2,375,297	\$ 1,983,134	\$ 1,304,502	\$ 6,836,246
Percent Expended	7%	13%	23%	30%	41%	46%	51%	56%	65%	71%	81%	0%
Estimated Revenue	\$ 6,836,246	\$ 6,836,246	\$ 6,836,246	\$ 6,836,246	\$ 6,836,246	\$ 6,836,246	\$ 6,836,246	\$ 6,836,246	\$ 6,836,246	\$ 6,836,246	\$ 6,836,246	\$ 6,836,246
Realized Revenue	\$ 300,000	\$ 2,677,946	\$ 4,362,273	\$ 4,437,257	\$ 4,966,996	\$ 5,529,575	\$ 5,529,575	\$ 5,529,575	\$ 6,626,998	\$ 6,649,043	\$ 6,619,966	\$ -
Unrealized Revenue	\$ 6,536,246	\$ 4,158,300	\$ 2,473,973	\$ 2,398,989	\$ 1,869,250	\$ 1,306,671	\$ 1,306,671	\$ 1,306,671	\$ 209,248	\$ 187,203	\$ 216,280	\$ 6,836,246
Percent Realized	4%	39%	64%	65%	73%	81%	81%	81%	97%	97%	97%	0%

STAFF REPORT

Agenda Item: 5.d

Date: June 2, 2021

To: YECA Governing Board

From: Dena Humphrey, Executive Director

Subject: Resolution for Employment Risk Management Authority (ERMA)

Recommendation: Approve and Adopt Resolution to Participate in ERMA

Summary:

Yolo County Public Agency Risk Management Insurance Authority (YCPARMIA) the agency's risk management and insurance provider has voted to change their excess liability coverage. The new excess liability coverage will be split between two JPA's for general liability coverage and employment practices liability coverage. To join this new coverage, the Employment Risk Management Authority (ERMA) JPA requires a resolution to be passed by each participating member under YCPARMIA. The request is for the Board to adopt this resolution for the new coverage.

Below is some additional information about ERMA:

- ERMA is comprised of 11 JPA's and 2 individual Members
- Assets at 3/30/20 \$30,458,550
- Liabilities at 3/30/20 \$18,809,475 @ Expected.
- ERMA's Limits are \$2.5 million excess of \$500,000 YCPARMIA Retained Limit
- ERMA funding is at the 80% confidence level
- ERMA has 3 attorneys acting as Litigation Managers for ERMA claims

ERMA Services

- 67 Training sessions scheduled throughout California for FY 20/21
- Employee Protection Line as an option to reporting to your manager or supervisor
- ERMA approved and experienced defense panel
- ERMANeT offers training courses 24/7 for AB1825, AB 1234 and SB 1343
- ERMA Members have access to one hour per month of free legal advice from two firms Liebert, Cassidy, Whitmore and Jackson Lewis (Every Member of YCPARMIA is eligible for this as each Member signs a resolution to participate in ERMA)
- For claims reported to ERMA an outside investigator is available upon approval
- Each Member has an annual Risk Management subsidy of \$2,500 with usage subject to approval of ERMA

Authorizing Participation in ERMA (Yolo Emergency Communications Agency)

RESOLUTION OF THE (YOLO EMERGENCY COMMUNICATIONS AGENCY) PARTICIPATION IN THE EMPLOYMENT RISK MANAGEMENT AUTHORITY

WHEREAS, the (Yolo Emergency Communications Agency) wishes to obtain Employment Practices Liability coverage for the period (July 1, 2021); and

WHEREAS, the Employment Risk Management Authority (ERMA) is a self-insured joint powers authority created for the sole purpose of Employment Practices Liability Coverage. ERMA is comprised of various public entities who risk share up to \$1 million against potentially unlawful employment practices and discrimination claims; and

WHEREAS, ERMA formed primarily due to the fact that government entities have not historically been able to secure Employment Practices Liability (EPL) coverage at a competitive cost through the commercial insurance marketplace; and

WHEREAS, ERMA has met all of the high professional standards established by the California Association of Joint Powers Authorities (CAJPA) in the areas of governance, finance, claims control, safety and loss control and ERMA is fully accredited by CAJPA. CAJPA's accreditation process requires reviews by independent consultants in the areas of accounting, claims adjusting, and actuarial analysis; and

WHEREAS, ERMA provides services to both Joint Powers Insurance Authorities and individual public entities; and

WHEREAS, the (Yolo Emergency Communications Agency) has determined that it is in the best interest to become a member of ERMA for the purpose of obtaining Employment Practices Liability coverage; and

WHEREAS, ERMA requires the (Yolo Emergency Communications Agency) to pass a resolution expressing the desire and commitment of the (Yolo Emergency Communications Agency's) participation in ERMA, which requires a three-year minimum participation period. (Yolo Emergency Communications Agency) also understands our entity will be bound by the provisions in the ERMA Joint Powers Agreement just as though it were fully set forth and incorporated herein whether our entity had signed it individually or through an underlying Joint Powers Insurance Authority.

NOW, THEREFORE, BE IT RESOLVED BY THE (YOLO EMERGENCY COMMUNICATIONS AGENCY):

THAT, the (Yolo Emergency Communications Agency) approves participation in ERMA (July 1, 2021); and

THAT, the (*Executive Director*) on behalf of the (Yolo Emergency Communications Agency) is hereby authorized to take any and all actions necessary to implement the foregoing resolution.

I hereby certify that the foregoing resolution is a full, true and correct copy of a resolution passed by (Yolo Emergency Communications Agency) on (June 2, 2021).

Executive Director

ADOPTED:

RESOLUTION NO.

STAFF REPORT

Agenda Item: 5.e

Date: June 2, 2021
To: YECA Governing Board
From: Dena Humphrey, Executive Director
Subject: Amendment for T-Mobile Tenant Lease on YECA Tower

Recommendation: Approve signing authority to Executive Director to execute amendment with T-Mobile to begin agreement June 1, 2021.

Summary:

Metro PCS now T-Mobile has been a tenant on YECA's tower, since 2005. The original agreement allowed five (5) successive renewal terms of five (5) years each for a total of 25 years. In 2011, T-Mobile built a new tower for YECA and applied YECA's share of the new tower towards a rent abatement program. This was scheduled to end July 2023.

Last year, T-Mobile requested to lease additional ground space to outfit a generator near the site. This request follows FCC's requirement for carriers to have onsite backup power in the event of a power outage for their subscribers. These terms have been negotiated over a fourteen-month period. Yolo County gave their consent for the permit use of the property and the amendment was reviewed by County Counsel and approved as to form.

The agency was able to renegotiate the original lease and increase the rent to market value. This brought the monthly rent from \$1,520 to \$2,500, plus \$300 for the 10 x 15 additional ground space for a total of \$2,800 a month. As a result of the rent increase, the agency would begin to realize a revenue stream 11 months sooner starting August 2022. This would be approximately \$35k a year in revenue with annual increases of 3%.

In addition to the rent increase, below are some additional highlighted terms added to the amendment:

- Initial term June 1, 2021 – May 31, 2026
 - Three (3) successive renewal terms of five (5) years each
 - YECA Board must approve each five (5) year term
 - Month-to-month clause for any time lapse between renewal periods awaiting approvals
- An annual escalation increase of 3% per year
- Full engineering fees to be paid by tenant for tower structural analysis
- Administrative fees charge \$1,500 to cover the costs of managing new equipment requests
- Equipment consolidation from two existing elevations on the tower to a single elevation – reducing overall equipment on the tower allowing additional usable space

AMENDMENT NO. 3 TO COMMUNICATIONS SITE LEASE AGREEMENT

THIS AMENDMENT NO. 3 TO COMMUNICATIONS SITE LEASE AGREEMENT (“Amendment No. 3”) is made and entered into on _____, 2021 (the “Effective Date”), by and between Yolo Emergency Communications Agency (“Lessor”), and MetroPCS California LLC, a Delaware limited liability company (“Lessee”).

Recitals

The parties hereto recite, declare and agree as follows:

A. Lessor and Lessee entered into that certain Communications Site Lease Agreement, dated July 7, 2005, as amended by that certain Amendment No. 1 to Communications Site Lease Agreement dated August 10, 2010 (“Amendment No. 1”), as amended by that certain Amendment No. 2 to Communications Site Lease Agreement dated November 8, 2012 (“Amendment No. 2”) (collectively, the “Lease Agreement”), whereby Lessor leased to Lessee a portion of the property (the “Premises”) located at 137 N. Cottonwood Street, Woodland, CA 95695 (Yolo County Assessor’s Parcel Number 064-010-032) (formerly known as 35 N. Cottonwood Street, Woodland, CA 95695) (the “Property”).

B. Lessor and Lessee desire to enter into this Amendment No. 3 in order to modify and amend certain provisions of the Lease Agreement.

NOW, THEREFORE, in consideration of the mutual covenants and agreements herein contained and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Lessor and Lessee covenant and agree as follows:

1. Lessor Consent. Lessor hereby grants Lessee the right and consents to Lessee’s expansion of the Premises and the installation of a generator and related equipment as described and depicted on Exhibit “B-2”, which is attached hereto and by this reference incorporated herein, which equipment shall be considered part of the Lessee’s Facilities under the Lease Agreement. Subject to Lessor’s prior written consent, which consent shall not be unreasonably withheld, delayed or conditioned, Lessor hereby grants Lessee the right to install, maintain, upgrade, operate, replace, repair, modify and remove communications equipment and appurtenances (i) on Lessor’s tower (the “**Tower**”) located on the Property with a rad center of one hundred forty-six feet (146’) above ground level as generally depicted on **Exhibit “B-2”** and consisting of an envelope of five vertical feet (5’) above 146’ and five vertical feet (5’) below 146’ (the “**Tower Space**”), within which any portion of the Lessee’s Facilities may be located for the Permitted Uses, and which Tower Space includes any area on a horizontal plane, extending in all directions from the Tower, that is perpendicular to such ten foot (10’) vertical envelope; and (ii) ground space including a 12’ x 16’ lease area and a 10’ x 15’ lease area (collectively the “**Ground Space**”). Lessor further grants to Lessee a non-exclusive interest to those certain areas where Lessee’s conduits, wires, cables, cable trays and other necessary connections are located between the Ground Space and the Tower Space (the “**Connection Space**”). Lessor agrees that Lessee shall have the right to install connections between Licensee’s Ground Space and the Tower Space. Hereafter, the Premises shall be comprised of the Tower Space, the Ground Space and the Connection Space. Notwithstanding the foregoing or anything to the contrary contained in the Lease Agreement, further additions, upgrades or modifications to the Lessee’s Facilities within the Premises shall not require an increase in Rent or the payment of any other additional charges or fees, except as specified in Section 4 of this Amendment No. 3.

2. Renewal Terms. The parties acknowledge and agree the Lease Agreement is currently on a month-to-month tenancy. The parties agree to extend the Term of the Lease Agreement for five (5) years beginning June 1, 2021 (the “Lease Extension Commencement Date”) and ending on May 31, 2026. Thereafter the Term of the Lease Agreement may renew for three (3) successive renewal terms of five (5) years each (each a “Renewal Term”) with the YECA Board’s approval; provided, however that Lessee may elect not to renew by providing notice to Lessor prior to the expiration of the then current Term or Renewal Term. Each Renewal Term shall require Lessor’s board approval. If Lessee remains in possession of the Premises after the termination or expiration of this Lease Agreement then Lessee will be deemed to be occupying the Premises on a month-to-month basis (the “Holdover Term”), subject to the terms and conditions of this Lease Agreement.

3. Increase in Rent.

(a) The last sentence in Section 5 of the Lease Agreement shall be deleted in its entirety and replaced with the following:

“Throughout the Term and any Renewal Terms, Rent shall be increased on each anniversary of the Lease Extension Commencement Date by an amount equal to three percent (3%) of the Rent for the previous year.”

(b) On June 1, 2021, the Rent shall increase by one thousand two hundred seventy-nine and 12/100 dollars (\$1,279.12) per month. However, in accordance with Section 1(b) of Amendment No. 1 and Section 3 of Amendment No. 2 the parties acknowledge and agree the Rent is currently abated until August 1, 2023. Lessor and Lessee hereby agree the Rent shall continue to be abated in full until July 31, 2022 and the August 1, 2022 Rent shall be partially abated. Rent payments shall resume in full on September 1, 2022 at which time all Rent abatement shall end, and Rent shall be paid in full thereafter.

For illustration purposes, Rent for the Term running from June 1, 2021 to May 31, 2026 shall be paid as follows:

June 1, 2021 to July 1, 2022	\$0 per month
August 1, 2022	\$2,436.46 per month
September 1, 2022 to May 31, 2023	\$2,884.00 per month
June 1, 2023 to May 31, 2024	\$2,970.52 per month
June 1, 2024 to May 31, 2025	\$3,059.64 per month
June 1, 2025 to May 31, 2026	\$3,151.42 per month

4. Engineering Fee. Lessor shall have the right to charge Lessee an administrative fee(s) in the amount of one thousand five-hundred dollars (\$1,500.00) to cover its administrative costs resulting from any future equipment changes that Lessee makes to its Lessee’s Facilities within the Tower Space which changes require a structural analysis. Lessee shall be responsible for the cost of structural analysis fees related to equipment changes Lessee makes to its Lessee’s Facilities.

5. Notice Address. The parties’ notice addresses in the Lease are deleted in their entirety and replaced with the following:

If to Lessee:

If to Lessor:

T-Mobile Site No: SC90223M
T-Mobile Site Name: SAC223 - Woodland West
Market: Sacramento

T-Mobile USA, Inc.
12920 S.E. 38th Street
Bellevue, WA 98006
Attn.: Lease Compliance/SC90223M

Yolo Emergency Communications Agency
PO Box 8508
Woodland, CA 95776

6. Terms; Conflicts. The terms and conditions of the Lease Agreement are incorporated herein by this reference, and capitalized terms used in this Amendment No. 3 shall have the same meanings such terms are given in the Lease Agreement. Except as specifically set forth herein, this Amendment No. 3 shall in no way modify, alter or amend the remaining terms of the Lease Agreement, all of which are ratified by the parties and shall remain in full force and effect. To the extent there is any conflict between the terms and conditions of the Lease Agreement and this Amendment No. 3, the terms and conditions of this Amendment No. 3 will govern and control.

7. Approvals. Lessor represents and warrants to Lessee that the consent or approval of no third party, including, without limitation, a lender, is required with respect to the execution of this Amendment No. 3, or if any such third party consent or approval is required, Lessor has obtained any and all such consents or approvals.

8. Authorization. The persons who have executed this Amendment No. 3 represent and warrant that they are duly authorized to execute this Amendment No. 3 in their individual or representative capacity as indicated.

9. Counterparts. This Amendment No. 3 may be executed in duplicate counterparts, each of which will be deemed an original. Signed electronic copies of this Amendment No. 3 will legally bind the Parties to the same extent as originals.

IN WITNESS WHEREOF, the parties have executed this Amendment No. 3 on the day and year first written above.

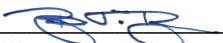
Yolo Emergency Communications Agency

**MetroPCS California LLC, a Delaware
limited liability company**

By: _____
Name: _____
Title: _____
Date: _____

By: _____
Name: _____
Title: _____
Date: _____

Approved as to Form:

By:  _____
Philip J. Pogledich, County Counsel
Counsel to Yolo Emergency Communications Agency

T-Mobile Site No: SC90223M
T-Mobile Site Name: SAC223 - Woodland West
Market: Sacramento

YOLO EMERGENCY COMMUNICATIONS AGENCY STAKEHOLDER SURVEY AND DISCUSSION

Prepared by:

Craig Trygstad PE

Principal Engineer

CSI Telecommunications, Inc.

April 29, 2021

Background

The Yolo Emergency Communications Agency (YECA) requested that CSI review the current Capital Improvement Plan, including any possible system upgrades which may be needed. Specifically, potential upgrades to address the California Department of Justice's memo requiring secure communication of any CJIS information transmitted over the air. Many local agencies are encrypting their voice communications to meet the DOJ's requirement to mitigate any increased operational difficulties to communicate this information. Also, the movement of the City of Davis and UC Davis to the Sacramento Regional Communications System (SRRCS), has sparked discussion of YECA member agencies in addition to West Sacramento moving to that system as well. These events, in conjunction of the agencies within Solano County effort to create its own regional system and Napa County moving to Project25 (P25), have created a decision point for YECA to choose how it will move forward as well. The intent of this report is to show YECA what options are open to them, the advantages and disadvantages of each, and a Rough Order of Magnitude (ROM) estimate of these options.

Data for this report was gathered via a survey and subsequent discussions with member and nearby agencies, including Yolo Sheriff, Woodland Police, Winters Police, West Sacramento Police, Yolo District Attorney's Office, Yolo County Probation, Davis Police, Yolo Public Works, Woodland Fire, West Sacramento Fire, Winters Fire, UC Davis Fire, Yocha Dehe Fire, Clarksburg Fire, West Plainfield Fire, and YECA staff. After an initial survey was completed, the results were discussed in two breakout meetings with Law Enforcement and with Fire and Public Works. A final discussion was held with all participants to review the conclusions drawn from the survey and two initial discussions. The material in this report are the results of that final discussion.

Current System

YECA agency members' are dispatched either via the SRRCS (West Sacramento) or a set of VHF simulcasted and non-simulcasted analog channels. The SRRCS has recently migrated to Project25. The VHF analog channels utilize Tait 8100 stations. The sites used vary from channel to channel with a few exceptions yielding different coverage footprints for each channel.

The surveys and discussions reported that there are coverage issues with the VHF channels and vary depending on the channel. Preliminary analysis points to two factors creating this variability: different sites being used and the ad-hoc nature of the initial and subsequent simulcast optimization efforts. The overall coverage issues can also be attributed to areas shielded by terrain in the northern part of the county as well as simulcast interference in the Sacramento Valley portion of the county. The Tait 8100 stations are scheduled to be out of production at the end of 2021 which means that they will continue to be supported for service and repairs until the 2028 (assuming Tait follows the 7-year guideline originally established in APCO-16A). The multiplexer supporting the links to these sites has been recently replaced and is capable of support analog and/or P25 channels. The microwave radios are out of production, but the vendor (Nokia) has made guarantees to support them through 2027. They are also capable of supporting analog and/or P25 channels.

The primary repeater of the Woodland PD Dispatch channel is located at the police building with its associated antenna on a relatively short monopole. The construction of the new courthouse nearby has shielded the antenna from a relatively large portion of the city. The Gold repeater is at the YECA Dispatch in the northwest corner of the city which is not ideal for coverage to the southern portion of the city.

Dispatch console equipment is the MCC7500 and is supported via a System User Agreement (SUA) between the SRRCS and Motorola which includes technology refreshes as needed. The annual SUA subscription fees are paid by the SRRCS to Motorola and are passed on to SRRCS members via the monthly radio subscription fees.

SWOT Discussions

Survey questions and subsequent discussions addressed the Strengths, Weaknesses, Opportunities, and Threats of the YECA radio system.

Strengths (the positive aspects internal to the system) were identified by stakeholders as:

- YECA Staff and Management
- JPA Structure
- Simple to use subscriber (mobile and portable) radios

Weaknesses (the adverse aspects internal to the system) were identified as:

- Coverage issues
- Inconsistent coverage across county-wide channels
- Simulcast audio quality
- Lack of channels
- County split between VHF analog conventional and 700/800 MHz P25 trunking
- Limited Budget for improvements

The Opportunities (the potentially beneficial items external to the system) were identified as:

- Availability of dual-band radios
- SRRCS extending into Yolo County
- The need for interoperability is often attractive to grant programs
- Neighboring jurisdictions (SRRCS, Solano, Napa) move to P25

The Threats (the potential challenges to overcome external to the system) were identified as:

- Need for encryption for law enforcement
- New developments and buildings, especially in southern Woodland
- Megafires requiring more interoperability
- Neighboring jurisdictions (SRRCS, Solano, Napa) move to P25

Please note that the regional move to Project25 can be seen as both an opportunity as well as a threat as the need to move to Project25 is more urgent to support interoperability, but the suite of Project25 standards provides a common platform that is supported across multiple vendors.

Potential Options Moving Forward

Please note that some of these options can be used in combination with one another though some are mutually exclusive.

The Rough Order of Magnitude estimate of the cost of the options below is relative to the existing CIP, i.e. in addition to the costs currently listed in the CIP. The existing CIP anticipates the replacement of the Tait 8100 stations in FY 2024/2025 of \$235,000 based on a like-for-like replacement as well as a total of \$360,000 in FY 2026/27 for other related simulcast equipment (channel banks, GPS clocks, and comparators).

1. Status Quo

The current CIP is based on replacement of the Tait stations in FY 26/27 for \$380K. The system could remain as is, without addressing any of the items noted above.

- Benefits:
 - No additional costs added to the CIP
- Shortcomings:
 - Does not address the need for encryption
 - Does not improve coverage/audio quality
 - Does not increase the number of talkpaths (e.g. channels or trunked talkgroups)
 - Interoperability declines due to nearby counties moving to P25
- **Rough Order Magnitude of Costs:** **\$0**

2. Optimize Existing Simulcast Channels

The simulcast system was originally optimized in an ad-hoc fashion, without the benefit of computer analysis by an engineer. There were subsequent attempts to optimize the system, again without the benefit of an engineered solution. A simulcast could be performed with the benefit of computer predictive software which would optimize the system with the combination of launch delay settings for each site as well as potentially different antenna patterns to maximize capture in areas which are out of phase and conversely, equalize the phase delay in areas which do not benefit from capture.

- Benefits:
 - Relatively quick to implement
 - Improvements would benefit a potential future P25 VHF simulcast channel
 - Would allow Green Fire to enable the transmitter at the Port of Sacramento to match YSO channel configuration
 - Relatively low cost
- Shortcomings:
 - Does not address coverage issues in terrain blocked areas which need additional sites for coverage
 - Does not address the need for encryption by itself
 - Does not increase the number of talkpaths
 - Interoperability declines unless other actions taken

- Does not fully address coverage variability across all countywide VHF channels
- **Rough Order Magnitude of Cost:** **\$50K - \$150K**
(includes engineering, some replacement antennas, and implementation)

3. Improve and Standardize All Simulcast Channels

The number of transmit sites for the four current VHF countywide channels (YSO Dispatch, YSO TAC, Green Fire, Grey Fire) vary with SO Dispatch and Grey Fire transmitting from 6 sites, Green Fire transmitting from 5 sites, and SO TAC transmitting from four sites. Green Fire is equipped for the sixth site, and Option 2 would bring that to six sites as well, leaving SO TAC as the outlier. This option would add the additional transmitters at Bald and the Port of Sacramento and in conjunction with an engineered simulcast optimization, create a consistent coverage across all four channels.

- **Benefits:**
 - Coverage improvements in conjunction with Option 2
 - Consistent coverage for Sheriff Primary, Sheriff TAC, Green Fire, and Grey Fire
 - Could be used in concert with move to Project25
- **Shortcomings:**
 - Does not address coverage issues in terrain blocked areas which need additional sites for coverage
 - Does not increase the number of talkpaths
 - Does not address Woodland PD primary channel.
 - If channels stay analog, equipment may be short lived due to other upgrades
- **Rough Order Magnitude of Cost:** **\$150K - \$200K**
(includes a new station at Bald and Port of Sacramento, other miscellaneous equipment, engineering, and implementation – this option includes the scope and cost associated with Option 2 so would be chosen instead of Option 2 to get the additional scope).

4. Migrate the YSO Dispatch Channel to Project25

To meet the DOJ requirement for encrypted CJIS information, YECA could migrate the YSO Dispatch channel only to Project25. This would minimize the initial cost of moving to P25 by limiting the upgrade to one channel. The station which would be used if Tait were continued to be used would be their 9400 model. This model chassis accommodates two channels, so it may be a better value to replace two channels at the same time. The P25 option is a software option, so the software license for the second channel could either be purchased with the YSO Dispatch channel or purchased later. There are various options for other vendors including a single channel chassis as well as a dual channel chassis also being available. Radio users in the field will experience improved audio quality once they become accustomed to the digitized audio in most of the coverage area. However, in areas of poor audio quality, the P25 audio will be worse and/or non-existent. Therefore, it is generally recommended to address coverage concerns prior to migrating to P25. Addressing simulcast optimization is critical, however either addressing problem areas in the Rumsey area, for example, should be done prior to moving to P25 or at least a plan should be created to work around potential situations where the coverage holes become

worse. One other benefit if Tait is selected is that the dual-channel radio takes up approximately the same rack space as the existing 8100 base stations, making a cutover plan easier.

- Benefits:
 - Addresses CJIS privacy requirements
 - Limit costs to one or two channels
 - Audio quality improvements in most areas
 - Could be part of a phased migration plan – starts to phase out 8100 stations
 - Tracks with other agencies with their moves to P25
- Shortcomings:
 - Does not address coverage issues in terrain blocked areas which need additional sites for coverage
 - Areas in current poor coverage zones could worsen
 - Does not increase the number of talkpaths
 - Does not address Woodland PD primary channel
 - Does not address coverage variability across all countywide channels and increases variability of overall user experience
 - Other jurisdictions are moving to leave their primary dispatch channel unencrypted for interoperability concerns and to select a different channel or talkgroup to encrypt for CJIS information.
- **Rough Order Magnitude of Cost:** **\$250K - \$500K**
(includes new stations at each simulcast site, other miscellaneous equipment, engineering, and implementation)

5. Move or Add Site for Woodland PD and Gold Fire

This addresses the growth to the south of Woodland. Because coverage design is yet to be performed, a firm recommendation for a single site or two site solution for Woodland PD, Woodland TAC, and Gold Fire cannot be made at this time. CSI anticipates that a two-site simulcast system would most likely fully cover the city. A simulcast site at YECA Dispatch in the northwest part of town in conjunction with a site in the southern portion of town would be ideal. The Sheriff campus would be a good candidate to develop an RF site, for example. A taller tower outside of the downtown area would incrementally improve coverage within town at potentially a lower cost. For example, the tower at Fire Station 3 could be evaluated for city wide coverage.

- Benefits:
 - Potentially addresses CJIS privacy requirements for Woodland PD
 - Costs limited to Woodland PD only
 - Coverage improvements throughout Woodland
 - Could be part of a phased migration plan – starts to phase out 8100 stations
 - Tracks with other agencies with their moves to P25
 - Avoids ongoing, monthly cost per radio as well as any one-time cost to connect to a regional system

- Either VHF or 700/800 MHz channels could be used. 700/800 MHz channels have better coverage performance for in-building penetration and a lower noise-floor.
- Shortcomings:
 - Less interoperability with Davis, UC Davis, and West Sacramento relative to being on a common trunked system
 - Does not increase the number of talkpaths
 - Does not address countywide channels
 - May require additional backhaul
 - May require site development or site improvements
- **Rough Order Magnitude of Cost:** **\$200K - \$1M**
(range reflects range of possibilities of site improvements/development and potential new backhaul).

6. Add SRRCS Site(s) for Woodland PD and Gold Fire

There are, again, several possibilities for this option. Depending on expected radio traffic and the existing traffic on the Davis/UC Davis simulcast sub=system, one or more site could be added to that subsystem to create a single, wider coverage footprint across the southwest corner of Yolo County. Another option would be to install a single-site or small simulcast subsystem for the Woodland area if expansion of the existing Davis/UC Davis simulcast system is not pragmatic due to traffic or cost. Backhaul already exists to the SRRCS and there may be an opportunity to create loop diversity yielding better backhaul reliability.

- Benefits:
 - Addresses CJIS privacy requirements for Woodland PD
 - Costs limited to Woodland PD only
 - Coverage improvements throughout Woodland
 - Greater interoperability with Davis, UC Davis, and West Sacramento
 - The SRRCS system would also benefit in better coverage from the Sacramento County line to the Yolo Jail for prisoner transport.
- Shortcomings:
 - Ongoing per radio monthly fees to SRRCS in addition to one-time costs
 - Less interoperability with YSO unless dual-band radios are used, some patching quirks between conventional and trunked systems
 - Does not address countywide channels
 - May require additional backhaul
 - May require site development or improvement
 - Potentially locked into one vendor (Motorola) unless subsystem separate from Davis is created and connected via the ISSI (Inter-Sub-System Interface) Project25 standard.
- **Rough Order Magnitude of Cost:** **\$2.5M - \$4M**
(recent Motorola project to add a single standalone site to the East Bay Regional Communications System was \$1.9M, with many items/tasks given to the customer to address. Change orders were also added as the microwave backhaul proposed was not sufficient for public safety radio. This ROM reflects the possibility of two sites and some

costs for site development, and should cover almost all contingencies but is not absolutely a worst-case scenario. This also does not include the SRRCS ongoing cost per radio).

7. Create Trunking Subsystem(s) and connect them to a Regional System (SRRCS)

Build out a countywide system based on it being a subsystem to a regional system. The subsystem could use VHF channels (if licensable) and/or 700/800 MHz channels. If a combination of bands were used, they would be brought into the regional system as two separate subsystems. This option could involve extending the Davis/UC Davis simulcast system northward as discussed in Option 6, but other configurations are possible.

One variant to this option that may not be pragmatic, but possible, would be to split the county where Woodland and West Sacramento is tied to SRRCS and the western portion of the county is connected to Solano. This may help those individual agencies in those areas with interoperability, but would most likely impact countywide interoperability unless ISSI was used between the two regional systems. This variant is not included in the Benefits/Shortcomings/ROM below.

- **Benefits:**
 - Avoid cost of a “P25 Core” assuming Motorola or a similar centralized system is employed by using another agency’s Core.
 - Greater interoperability with that regional system
 - Potential coverage improvements, depending on the system configuration
 - Greater interoperability with Davis, UC Davis, and West Sacramento
 - Could potentially be able to add a VHF subsystem in rural areas to the 700/800 MHz system, may be difficult due to licensing requirements for trunked systems, etc.
- **Shortcomings:**
 - Ongoing per radio monthly fees to SRRCS in addition to one-time costs; unknown what the cost structure of Solano will be
 - May require additional sites and backhaul for coverage improvements
 - May require site development or improvement
 - Potentially locked into one vendor (Motorola) unless subsystem separate from Davis is created and connected via the ISSI Project25 standard.
- **Rough Order Magnitude of Cost:** **\$10M - \$20M**
(See notes for option above. Most likely \$10M - \$15M to convert system as is with no additional fill-in sites.)

8. Create a YECA P25 Trunked System

This would give YECA the greatest flexibility for system choices: configuration, policies, radio vendor, etc. One of the strengths mentioned in the stakeholder’s surveys and discussion was the JPA and its governance. This would keep the radio system fully under that governance (except for West Sacramento’s use of the SRRCS). It could be a higher initial cost than connecting to SRRCS or Solano, depending on the selected vendor, as some vendors have a centralized system configuration (e.g. Motorola’s “P25 Core”), but may actually be lower, assuming more competitive pricing from an RFP and a better flexibility for the vendors to create a system specific to YECA in their design approach. One

benefit of Project25 is the Common Air Interface which dictates that radios certified as Project25 can communicate and support specific features on any P25 infrastructure and vice versa.

- **Benefits:**
 - Greater say over the final system configuration, etc.
 - Multiple vendors available, could get better pricing through competitive bid process
 - System could be tied to SRRCS and/or Solano through ISSI
 - Could create a VHF and 700/800 MHz system combination system, may be difficult due to licensing requirements for trunked systems, etc.
 - No ongoing monthly fees to a system provider.
 - Greater say over system policies, features, migration, etc.
- **Shortcomings:**
 - Need ISSI for transparent roaming onto SRRCS/Solano... “Fingertip roaming” can be achieved without ISSI and shared system keys
 - May require additional sites and backhaul
 - May require site development or improvement
 - Longest time from concept to implementation
- **Rough Order Magnitude of Cost:** **\$8M - \$22M**
(Lower part of range lower than Option 7 due to selection of more vendors and competitive bid process. Upper range assumes Motorola system with a P25 Core sized for YECA in addition to the upper range of Option 7).

Summary

Many different needs were expressed by the stakeholders of YECA. The options described meet anywhere from none to all of those needs and escalate in cost accordingly. The following is a table of the options, the benefits, the agencies who would benefit, and the ROMs. Please remember that in many cases, options can be independent of one another so that multiple options could be combined. “Opt” means that this benefit could be applied to the Option or not, for example migrating Woodland PD channel(s) to Project25 when reconfiguring the channel to improve coverage.

OPTION	BENEFIT				BENEFITTING AGENCY			ROM	
	COVERAGE	ENCRYPTION	CAPACITY	INTEROPERABILITY	WOODLAND PD/FD	YOLO SHERIFF/ WINTERS	FIRE	LOWER RANGE	UPPER RANGE
1. Status Quo								\$0	\$0
2. Optimize Existing Simulcast Channels	✓					✓	✓	\$50	\$150
3. Improve and Standardize All Simulcast Channels	✓	Opt				✓	✓	\$150K	\$200K
4. Migrate the YSO Dispatch Channel to Project25	Opt	✓				✓		\$250K	\$500K
5. Move or Add Site for Woodland PD and Gold Fire	✓	Opt			✓			\$200K	\$1M
6. Add SRRCS Site(s) for Woodland PD and Gold Fire	✓	✓	✓	✓	✓			\$2.5M	\$4.0M
7. Trunking Subsystem(s) connected to a Regional System	✓	✓	✓	✓	✓	✓	✓	\$10M	\$20M
8. Create a YECA P25 Trunked System	✓	✓	✓	Opt	✓	✓	✓	\$8M	\$22M

Table 1 Options Summary