

CLACKAMAS C800 RADIO GROUP

BUDGET COMMITTEE MEETING BOARD OF DIRECTORS MEETING

March 18, 2020 / 9:00AM

Meeting to be held at: DSB 150 Beavercreek Rd Room 119

Call In 800-704-9804 / Access Code: 345832#

1. Call the C800 Budget Committee / Board of Directors meeting to Order -Chair Sue Scobert
2. Roll Call of Partners: (19/10)

a. City of Canby	h. City of West Linn	o. Molalla Fire District
b. City of Gladstone	i. Aurora Fire District	p. Sandy Fire District
c. City of Lake Oswego	j. Canby Fire District	q. Tualatin Valley Fire & Rescue
d. City of Milwaukie	k. Clackamas County Fire District #1	r. Clackamas County Sheriff
e. City of Molalla	l. Colton Fire District	s. Clackamas County Health
f. City of Oregon City	m. Estacada Fire District	
g. City of Sandy	n. Hoodland Fire District	
3. *Approval of Minutes of February 19, 2020 Board Meeting - Sue Scobert
4. Public Comment - Sue Scobert
5. Communications - John Hartsock
6. Financial Report - February 2020 - John Hartsock
7. *Presentation and Acceptance of the FY 2020/2021 Proposed Budget - John Hartsock
8. Committee Reports
 - a. Executive Committee - Sue Scobert
 - b. Technical Committee - John Hartsock
 - c. Citizen Accountability - John Hartsock - Next Meeting April 21, 2020 Oregon City Library
9. Old Business: (* Action Item)
 - a. System Management: - Ron Polluconi
 - b. System Upgrade/Replacement
 - i. Project Status / Procurement - Bjorn Morfin / John Hartsock
 - ii. Fire Station Alerting / Paging - John Hartsock
 - iii. Portable/Mobile Radio Deployment - Todd Matsuo
 - iv. Portable Radio Antenna - Ron Polluconi

v. DVRS - repeaters - Ron Polluconi

10. New Business: (* Action Item)

- a. * Approval of Contract with Evans Consoles
- b. * Approval of Lt Jorge Tro as a check signer
- c. **Next Board Meeting April 22, 2020 9:00A @ CCOM - EOC**

11. Open Agenda

12. Adjournment

CLACKAMAS C800 RADIO GROUP

BOARD OF DIRECTORS MEETING AGENDA

Meeting Minutes of the February 19, 2020 Meeting
Clackamas County Design Services Building, 150 Beavercreek Rd., Rm. 119
Oregon City, OR 97045

i. C800 Board Meeting Called to Order at 0900

ii. The following were in attendance:

City of Gladstone / Chief Rick Huffman / Randy
Hopperstad / Chief John Schmerber

City of Lake Oswego/Scott Thran / Sue Scobert / David
Morris

City of Milwaukie/Ryan Burdick

City of Molalla/Chief Frank Schoenfeld

City of Oregon City/Chief Jim Band

Aurora Fire/Chief Joshua Williams

Canby Fire/Chief Jim Davis

Clackamas Fire District #1/ Mike Corless/ Josh
Gehrke/Rachel Trotman

Sandy Fire District/ Chief Phil Schneider

TVFR/Mark Havener

Clackamas County/ Kevin Moss/Christa Wolfe/Brian
Nava

CCOM/Cheryl Bledsoe/Tony Collins

WCCCA 911/Curtis Floyd

C800/John Hartsock/Bjorn Morfin

Clack. Co Disaster Mgmt./Jamie Poole

Citizens/Paul Zaninovich/Melissa Framiglio

iii. Approval of Minutes – January 22, 2020 Board Meeting

- a.** Mike Corless made a motion to approve the minutes of the January 22, 2020 Board meeting as submitted and the motion was seconded by Phil Schneider. A unanimous vote was cast in favor.

iv. Public Comment:

- a.** Citizen Melissa introduced herself to the group. She shared she lived on Skyland Drive, 170 feet away from the proposed tower.

v. Communications: None.

vi. Financial Report

- a.** John Hartsock shared that the financial information for January was included in the packet. He noted things were tracking on budget and he had no irregularities to report.

vii. Committee Reports

a. Executive Committee-Sue Scobert

- i.** She noted that the Committee did not meet.

b. Technical Committee-John Hartsock

- i.** He shared they met and went over the standard run of things. He explained one issue they needed to clear up was with the cache radios for CCOM. They also went over site issues, upgrade of consoles and logging recorder updates.

- ii.** He explained the next meeting was set for February 26th, but a lot of folks would be out of town, so there would not be a February meeting.

- iii.** He noted the next meeting would be March 25th.

c. Citizen Accountability- John Hartsock

- i.** Nothing new to report.

- ii.** He noted the next meeting would be on April 21st at the Oregon City library at 6:30 pm.

viii. Old Business:

a. System Management- Curtis Floyd

- i. He reported no major issues.
- ii. He explained that an amplifier went out in Hillsboro, but there was nothing to report on the Clackamas side.
- iii. He noted that the antennas that had folded over at Timberline had been replaced. He added that they hadn't had issues since they were replaced.
- iv. He stated they were waiting to help LOCOM with their crane issues for a microwave path for a new building.

b. System Upgrade/Replacement

i. Project Status/Procurement

- Bjorn shared that things were going well. He explained that the existing sites are mostly complete. He reviewed project status:
 1. **Mt. Scott:** They planned to have everything done by the end of the month.
 2. **Goat Mountain:** Most of the work was done. They were waiting for the weather to be stable to do some upgrades to the tower.
 3. **Highland Butte:** Virtually done. They were waiting for power, which was scheduled for two to three weeks.
 4. **Wilsonville:** They were waiting for power, clean-up and fencing.
 5. **Forest Service Sites:** All four sites would be summer builds because they were all high sites. They were continuing power installation for Memaloose.
 6. **West Linn (Replacement site for Cooks/Skyland):** This was still on hold. He received an email from ODOT on Friday, telling him it was with their District Manager. He thought they would get the site, but shared the process had been slow.
 7. Bjorn noted that all other sites were built and up.
 8. He explained that the Kerr Parkway water tank was in the background. They were waiting to get some feedback from the City of Lake Oswego.
 9. John shared that all sites should be done, except West Linn and the four Forest Service Sites, by the end of February or first week of March.
 10. John noted that the radio equipment was installed at Mt. Scott.
 11. John shared that Microwave Networks was back, starting today to get microwave up at each site.
 12. John shared that Motorola started, from a testing perspective, to turn on some radio sites. He added they had a goal for the system to be operational by August 2020.
 13. John explained that budget wise, they were tracking on budget. He noted they were still within the original contingencies and were leaving the bond premium to the side.
 14. John noted that they would have a better sense of where they would be on the projects come June and be able to ask the Commissioners for use of the bond premium.

ii. Fire Station Alerting/Paging – John Hartsock

- John reported things were going well.
- John shared there would be training, on Thursday, for the Technical side of the system.
- John noted they were approving stations that had been completed. He shared they were half done with all stations in both counties.
- John said they were shooting for an April completion date.

iii. Portable/Mobile Radio Deployment – Todd Matsuo

- Todd was not in attendance.
- John shared that Motorola was continuing to upgrade existing radios.

iv. Portable Radio Antenna- Curtis Floyd

- Curtis shared that there were a few agencies in Washington county that had the new antennas in hand; doing research and providing feedback. He explained that Lake Oswego would be doing research in Clackamas County.
- Curtis explained that they would be waiting for feedback from the groups doing the research/testing prior to a widescale deployment.
- Curtis noted they had been told that the Multi-band/Tri-Band antennas would be available in about a month for testing. He explained they would have agencies do testing and research on these as well, prior to a widescale deployment.

ix. New Business: (*Action Item)

a. *Approval of change order with Motorola

- i. John explained they were asking for approval for a change order with Motorola. He noted they needed to order radios for Lake Oswego Police, CFD #1 (associated with radios for Fire Station Alerting), and Aurora Fire, which would be a change order.
- ii. Jim Davis made a motion for the C800 Board of Directors to approve issuing a contract change order in the amount of \$279,541.00 for additional subscriber radios for Lake Oswego Police, Clackamas Fire District #1, and Aurora Fire. Mike Corless seconded the motion. The motion passed unanimously.

b. *Approval of change order with Todd Hess Construction – Hoodland

- i. John explained this change order would be for the addition of the generator at the Hoodland site.
- ii. Rick Huffman made a motion for the C800 Board of Directors to approve issuing a contract change order in the amount of \$59,062 for the addition of a generator at the Hoodland site to Todd Hess Building Co.

c. Next Board Meeting

- i. Next meeting March 18, 2020, 9:00 AM at CCOM/EOC.

x. Open Agenda

- a. Jim Davis asked if there was an update about repeaters. Curtis shared they were still testing on their site. John noted they would bring more information and an update to the meeting next month.
- b. Randy Hopperstad asked about getting more information on 900 alpha pagers. He explained they were getting information they didn't need, but would like to get more information about the call. Curtis shared that it would share the call type, address and cross streets. Randy explained that they weren't getting the cross streets. Curtis noted he would work with the IT group and CAD group to discuss options. Randy also mentioned that Toni Sexton was looking into different things.

xi. Adjournment

- a. Meeting adjourned at 09:17 am.

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03/06/20

Accrual Basis

Clackamas 800 Radio Group

Profit & Loss Budget vs. Actual

July 2019 through February 2020

	Jul '19 - Feb 20	Budget	\$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
401-00 · Beginning Fund Balance	0.00	7,812,283.00	-7,812,283.00	0.0%
405-00 · Members Contracts	77,418.20	64,070.00	13,348.20	120.8%
410-00 · Partners Fees	1,006,630.00	951,268.00	55,362.00	105.8%
420-00 · Partners Debt Service Zone Cont	0.00	0.00	0.00	0.0%
421-00 · Partner Debt Service Microwave	0.00	0.00	0.00	0.0%
430-00 · Subscriber Radio Payments	0.00	100,000.00	-100,000.00	0.0%
431-00 · Interest Income	511.81	500.00	11.81	102.4%
435-00 · Lease Revenue	51,604.75	48,140.00	3,464.75	107.2%
440-00 · Miscellaneous Income	0.00	1,000.00	-1,000.00	0.0%
450-00 · Intergovernmental-Clackamas Co	14,355,282.80	31,500,000.00	-17,144,717.20	45.6%
455-00 · Bond Interest Income	0.00	500,000.00	-500,000.00	0.0%
Total Income	15,491,447.56	40,977,261.00	-25,485,813.44	37.8%
Gross Profit	15,491,447.56	40,977,261.00	-25,485,813.44	37.8%
Expense				
605-00 · Site Rental	208,327.39	173,838.00	34,489.39	119.8%
610-00 · Fuel/Generators	8,915.39	26,000.00	-17,084.61	34.3%
615-00 · HVAC Maintenance	9,003.15	9,503.00	-499.85	94.7%
620-00 · Landscape Maintenance	4,710.00	14,300.00	-9,590.00	32.9%
621-00 · Office Supplies	0.00	2,000.00	-2,000.00	0.0%
625-00 · Generator Maintenance	2,642.98	12,500.00	-9,857.02	21.1%
630-00 · UPS Maintenance	4,065.00	13,500.00	-9,435.00	30.1%
635-00 · Battery Maintenance	0.00	3,000.00	-3,000.00	0.0%
645-00 · Insurance	41,049.94	35,000.00	6,049.94	117.3%
650-00 · Utilities	35,747.60	78,000.00	-42,252.40	45.8%
655-00 · Consultant Services	41,467.16	48,500.00	-7,032.84	85.5%
657-00 · Regional Radio Expense	0.00	1,500.00	-1,500.00	0.0%
660-00 · WCCCA System Fees	666,768.20	866,769.00	-200,000.80	76.9%
665-00 · Radio Maintenance Fees	14,005.44	90,000.00	-75,994.56	15.6%
667-00 · Radio Replacement Project	0.00	0.00	0.00	0.0%
670-00 · Legal Services	321.00	8,000.00	-7,679.00	4.0%
675-00 · Financial Services	5,144.99	8,500.00	-3,355.01	60.5%
680-00 · Audit Fees	9,600.00	7,000.00	2,600.00	137.1%
683-00 · Capital Reserve	0.00	100,000.00	-100,000.00	0.0%
685-00 · Miscellaneous Expenses	1,111.64	5,000.00	-3,888.36	22.2%
686-00 · Meeting Expenses	0.00	1,150.00	-1,150.00	0.0%
703-00 · Capital Outlay				
703-01 · Buildings & Land Improvement				
703-011 · Land Improvement	7,328,949.80			
703-012 · Building	808.80			
703-013 · Tower	283,161.00			
703-014 · Generator	132,276.00			
Total 703-01 · Buildings & Land Improvement	7,745,195.60			
703-02 · Radio Backbone				
703-021 · Simulcast / Master Site	4,196,473.82			
703-022 · Subscriber Radios	8,783.05			
703-024 · Paging	264,626.00			
703-025 · Back up Dispatch	1,084.00			
703-026 · Cat. 6 Fire Station Alerting	671,600.60			
Total 703-02 · Radio Backbone	5,142,567.47			
703-03 · Equipment				
703-032 · DC Power	250,019.67			
703-034 · Microwave	360,711.95			
703-036 · Fire Station Alerting	577,696.74			
Total 703-03 · Equipment	1,188,428.36			
703-04 · Capital Outlay Service	0.00	0.00	0.00	0.0%
703-00 · Capital Outlay - Other	0.00	31,500,000.00	-31,500,000.00	0.0%
Total 703-00 · Capital Outlay	14,076,191.43	31,500,000.00	-17,423,808.57	44.7%

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Accrual Basis

Clackamas 800 Radio Group
Profit & Loss Budget vs. Actual
 July 2019 through February 2020

	Jul '19 - Feb 20	Budget	\$ Over Budget	% of Budget
795-00 · Debt Service	0.00	0.00	0.00	0.0%
800-00 · Operating Contingency	0.00	75,000.00	-75,000.00	0.0%
999-00 · Unappropriated End Fund Bal	0.00	7,898,201.00	-7,898,201.00	0.0%
Total Expense	15,129,071.31	40,977,261.00	-25,848,189.69	36.9%
Net Ordinary Income	362,376.25	0.00	362,376.25	100.0%
Net Income	362,376.25	0.00	362,376.25	100.0%

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Accrual Basis

Clackamas 800 Radio Group Profit & Loss Detail

February 2020

Type	Date	Num	Name	Memo	Class	Amount	Balance
Ordinary Income/Expense							
Income							
431-00 · Interest Income							
Deposit	02/29/2020			Interest		47.76	47.76
Total 431-00 · Interest Income						47.76	47.76
435-00 · Lease Revenue							
Deposit	02/14/2020		FBI	Deposit		130.00	130.00
Deposit	02/14/2020		FBI	Deposit		130.00	260.00
Deposit	02/14/2020		FBI	Deposit		130.00	390.00
Deposit	02/14/2020		FBI	Deposit		130.00	520.00
Deposit	02/14/2020		FBI	Deposit		130.00	650.00
Deposit	02/14/2020		FBI	Deposit		130.00	780.00
Deposit	02/14/2020		FBI	Deposit		130.00	910.00
Deposit	02/14/2020		FBI	Deposit		130.00	1,040.00
Deposit	02/24/2020		FBI	Deposit		130.00	1,170.00
Deposit	02/24/2020		FBI	Deposit		130.00	1,300.00
Total 435-00 · Lease Revenue						1,300.00	1,300.00
450-00 · Intergovernmental-Clackamas Co							
Deposit	02/07/2020		Clackamas County - Bond Related	For December expenditures		888,944.86	888,944.86
Deposit	02/28/2020		Clackamas County - Bond Related	For January expenditures		698,031.10	1,586,975.96
Total 450-00 · Intergovernmental-Clackamas Co						1,586,975.96	1,586,975.96
Total Income						1,588,323.72	1,588,323.72
Gross Profit						1,588,323.72	1,588,323.72
Expense							
615-00 · HVAC Maintenance							
Bill	02/05/2020	151429	Hunter-Davisson, Inc.			755.00	755.00
Bill	02/12/2020	151639	Hunter-Davisson, Inc.			517.00	1,272.00
Bill	02/18/2020	151870	Hunter-Davisson, Inc.			209.50	1,481.50
Bill	02/18/2020	151871	Hunter-Davisson, Inc.			209.50	1,691.00
Bill	02/18/2020	151872	Hunter-Davisson, Inc.			823.06	2,514.06
Bill	02/18/2020	151875	Hunter-Davisson, Inc.			424.75	2,938.81
Bill	02/18/2020	151876	Hunter-Davisson, Inc.			424.75	3,363.56
Bill	02/18/2020	151873	Hunter-Davisson, Inc.			332.50	3,696.06
Bill	02/26/2020	152284	Hunter-Davisson, Inc.			2,023.00	5,719.06
Total 615-00 · HVAC Maintenance						5,719.06	5,719.06
650-00 · Utilities							
Check	02/04/2020	EFT	PGE			202.09	202.09
Check	02/04/2020	EFT	PGE			290.83	492.92
Check	02/05/2020	EFT	PGE			472.61	965.53
Check	02/06/2020	EFT	PGE			156.21	1,121.74
Check	02/06/2020	EFT	PGE			389.53	1,511.27
Check	02/07/2020	EFT	PGE			168.82	1,680.09
Check	02/10/2020	EFT	PGE			360.64	2,040.73
Check	02/12/2020	EFT	PGE			180.62	2,221.35
Check	02/13/2020	EFT	PGE			630.16	2,851.51
Check	02/18/2020	EFT	PGE			268.01	3,119.52
Check	02/19/2020	EFT	PGE			246.34	3,365.86
Check	02/19/2020	EFT	PGE			297.88	3,663.74
Check	02/19/2020	EFT	PGE			503.08	4,166.82
Check	02/25/2020	EFT	PGE			373.07	4,539.89
Check	02/28/2020	EFT	Canby Utility	190236		65.65	4,605.54
Total 650-00 · Utilities						4,605.54	4,605.54
655-00 · Consultant Services							
Bill	02/07/2020	CIWD-...	Consistent Image Web Design			100.00	100.00
Deposit	02/12/2020		Hartsock Project Mgmt.	Check # 3057 mistakenly dep...		-5,217.76	-5,117.76
Check	02/14/2020	EFT	Hartsock Project Mgmt.	To transfer out amount from c...		5,217.76	100.00
Bill	02/29/2020		Hartsock Project Mgmt.			4,880.47	4,980.47
Total 655-00 · Consultant Services						4,980.47	4,980.47
665-00 · Radio Maintenance Fees							
Bill	02/01/2020	INV01...	WCCCA			185.06	185.06
Total 665-00 · Radio Maintenance Fees						185.06	185.06
675-00 · Financial Services							
Bill	02/07/2020	159348	Talbot, Korvola & Warwick, LLP			1,360.00	1,360.00
Check	02/29/2020			Service Charge		20.00	1,380.00
Total 675-00 · Financial Services						1,380.00	1,380.00

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03/06/20

Accrual Basis

Clackamas 800 Radio Group Profit & Loss Detail

February 2020

Type	Date	Num	Name	Memo	Class	Amount	Balance
703-00 · Capital Outlay							
703-01 · Buildings & Land Improvement							
703-011 · Land Improvement							
Bill	02/01/2020	36030	ACS Testing, Inc.		04 Wilsonville T...	1,412.46	1,412.46
Bill	02/01/2020	36061	ACS Testing, Inc.		18 Highland Butte	950.88	2,363.34
Bill	02/01/2020	36088	ACS Testing, Inc.		09 Sandy	229.22	2,592.56
Bill	02/01/2020	36089	ACS Testing, Inc.		03 Damascus	194.41	2,786.97
Bill	02/01/2020	36090	ACS Testing, Inc.		18 Highland Butte	185.75	2,972.72
Bill	02/01/2020	36160	ACS Testing, Inc.		05 Mount Scott	3,064.32	6,037.04
Bill	02/01/2020	269743	Central Square Technologies		40 All	24,516.45	30,553.49
Bill	02/01/2020	90039...	Don Cushing Associates, Inc		18 Highland Butte	78.00	30,631.49
Bill	02/01/2020	9004378	Don Cushing Associates, Inc		04 Wilsonville T...	711.00	31,342.49
Bill	02/01/2020	9004379	Don Cushing Associates, Inc		04 Wilsonville T...	960.00	32,302.49
Bill	02/01/2020	9004377	Don Cushing Associates, Inc		02 Skyland/Coo...	3,080.00	35,382.49
Bill	02/01/2020	9060	Securasite LLC		04 Wilsonville T...	121.06	35,503.55
Bill	02/01/2020	9061	Securasite LLC		04 Wilsonville T...	1,693.75	37,197.30
Bill	02/08/2020	3566	Teragan & Associates, Inc.		02 Skyland/Coo...	9,750.00	46,947.30
Bill	02/14/2020	9082	Securasite LLC		40 All	1,684.74	48,632.04
Bill	02/14/2020	9081	Securasite LLC		27 Hoodland Fire	87.50	48,719.54
Bill	02/14/2020	5376	T3 Construction LLC		20 Angel Falls/...	58,875.00	107,594.54
Bill	02/14/2020	5377	T3 Construction LLC		18 Highland Butte	82,800.00	190,394.54
Bill	02/14/2020	5375	T3 Construction LLC		18 Highland Butte	34,930.00	225,324.54
Bill	02/15/2020	9083	Securasite LLC		40 All	11,945.00	237,269.54
Bill	02/15/2020	9084	Securasite LLC		40 All	564.93	237,834.47
Bill	02/19/2020	14429	Alternative Power Systems, LLC		23 Goat Mountain	1,000.00	238,834.47
Bill	02/19/2020	14429	Alternative Power Systems, LLC		11 Brightwood	1,000.00	239,834.47
Bill	02/19/2020	14429	Alternative Power Systems, LLC		17 Estacada_D...	1,000.00	240,834.47
Bill	02/22/2020	9087	Securasite LLC		01 Carver/Barton	93.75	240,928.22
Bill	02/22/2020	9098	Securasite LLC		11 Brightwood	31.25	240,959.47
Bill	02/22/2020	9090	Securasite LLC		12 Crutcher Ben...	275.00	241,234.47
Bill	02/22/2020	9088	Securasite LLC		18 Highland Butte	62.50	241,296.97
Bill	02/22/2020	9099	Securasite LLC		14 Lenhart	81.25	241,378.22
Bill	02/22/2020	9089	Securasite LLC		20 Angel Falls/...	31.25	241,409.47
Bill	02/22/2020	9094	Securasite LLC		05 Mount Scott	656.25	242,065.72
Bill	02/22/2020	9095	Securasite LLC		06 Mtn View	125.00	242,190.72
Bill	02/22/2020	9091	Securasite LLC		21 Oak Grove B...	43.75	242,234.47
Bill	02/22/2020	9096	Securasite LLC		07 Pete's	31.25	242,265.72
Bill	02/22/2020	9097	Securasite LLC		08 Polivka	450.00	242,715.72
Bill	02/22/2020	9093	Securasite LLC		13 Tom Dick an...	62.50	242,778.22
Bill	02/22/2020	9092	Securasite LLC		22 Whale Head	150.00	242,928.22
Bill	02/25/2020	36388	ACS Testing, Inc.		18 Highland Butte	646.38	243,574.60
Check	02/27/2020	3075	PGE	Job No: M2108286	18 Highland Butte	10,870.53	254,445.13
Bill	02/27/2020	47829	Goodman Sanitation, Inc.		27 Hoodland Fire	1,250.00	255,695.13
Bill	02/27/2020	9100	Securasite LLC		17 Estacada_D...	31.25	255,726.38
Bill	02/27/2020	9102	Securasite LLC		23 Goat Mountain	81.25	255,807.63
Bill	02/27/2020	9101	Securasite LLC		19 Day Hill	62.50	255,870.13
Bill	02/28/2020	9103	Securasite LLC		40 All	6,337.50	262,207.63
Bill	02/29/2020	36595	ACS Testing, Inc.		05 Mount Scott	273.63	262,481.26
Bill	02/29/2020	9110	Securasite LLC		16 Canby	93.75	262,575.01
Bill	02/29/2020	9107	Securasite LLC		03 Damascus	93.75	262,668.76
Bill	02/29/2020	9109	Securasite LLC		09 Sandy	125.00	262,793.76
Bill	02/29/2020	9105	Securasite LLC		02 Skyland/Coo...	14.50	262,808.26
Bill	02/29/2020	9106	Securasite LLC		02 Skyland/Coo...	662.50	263,470.76
Bill	02/29/2020	9108	Securasite LLC		04 Wilsonville T...	293.75	263,764.51
Bill	02/29/2020	20019	Summit Solutions Group LLC		23 Goat Mountain	47,000.25	310,764.76
Bill	02/29/2020	20015	Summit Solutions Group LLC		04 Wilsonville T...	201,427.97	512,192.73
Bill	02/29/2020	20015	Summit Solutions Group LLC		09 Sandy	2,917.00	515,109.73
Bill	02/29/2020	18001...	Todd Hess Building Company		23 Goat Mountain	40,514.65	555,624.38
Total 703-011 · Land Improvement						555,624.38	555,624.38
703-012 · Building							
Bill	02/01/2020	INV01...	WCCCA		40 All	448.80	448.80
Total 703-012 · Building						448.80	448.80
703-014 · Generator							
Bill	02/24/2020	2351-1A	Power Systems Plus Inc.		40 All	10,500.00	10,500.00
Total 703-014 · Generator						10,500.00	10,500.00
Total 703-01 · Buildings & Land Improvement						566,573.18	566,573.18
703-02 · Radio Backbone							
703-026 · Cat. 6 Fire Station Alerting							
Bill	02/01/2020	2984	Clackamas County Fire District #1		40 All	11,881.85	11,881.85
Bill	02/11/2020	9138	US Digital Designs, Inc.		40 All	20,609.84	32,491.69
Bill	02/21/2020	9161	US Digital Designs, Inc.		40 All	15,272.39	47,764.08
Bill	02/21/2020	9162	US Digital Designs, Inc.		40 All	38,064.96	85,829.04
Bill	02/24/2020	3014	Clackamas County Fire District #1		40 All	759.81	86,588.85
Bill	02/24/2020	3015	Clackamas County Fire District #1		40 All	885.52	87,474.37
Bill	02/26/2020	2506	Accurate Electric of Oregon, Inc.		40 All	654.91	88,129.28
Bill	02/29/2020	3020	Clackamas County Fire District #1		40 All	1,243.42	89,372.70
Total 703-026 · Cat. 6 Fire Station Alerting						89,372.70	89,372.70
Total 703-02 · Radio Backbone						89,372.70	89,372.70

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Accrual Basis

Clackamas 800 Radio Group Profit & Loss Detail

February 2020

Type	Date	Num	Name	Memo	Class	Amount	Balance
703-03 · Equipment							
703-034 · Microwave							
Bill	02/06/2020	SI 500...	Lile International Companies		40 All	1,148.00	1,148.00
Bill	02/29/2020	SI 501...	Lile International Companies		40 All	1,148.00	2,296.00
Total 703-034 · Microwave						2,296.00	2,296.00
Total 703-03 · Equipment						2,296.00	2,296.00
Total 703-00 · Capital Outlay						658,241.88	658,241.88
Total Expense						675,112.01	675,112.01
Net Ordinary Income						913,211.71	913,211.71
Net Income						913,211.71	913,211.71

Clackamas 800 Radio Group

Trial Balance

As of February 29, 2020

	Feb 29, 20	
	Debit	Credit
115-00 · Cash/Checking Account	1,540,643.93	
11000 · Accounts Receivable	119,590.55	
120-00 · Member Fees Receivable	0.00	
12000 · Undeposited Funds	0.00	
150-00 · Prepaid Expenses	0.00	
169-00 · CIP	27,446,298.52	
160-00 · Buildings and Towers	10,956,645.15	
165-00 · Radio Backbone	2,520,898.80	
166-00 · Equipment	1,052,983.00	
167-00 · Work In Progress	0.00	
175-00 · Accumulated Depreciation		11,262,423.09
180-00 · Deferred O/F-P25 Maintenance	5,812,058.44	
201-00 · Accounts Payable		667,585.24
201-02 · Other Accounts Payable	0.00	
202-00 · Partner Prepayment	0.00	
250-00 · N/P - CCB (Microwave)	0.00	
210-00 · Reimb due Clackamas County	0.00	
300-01 · GLTDAG	0.00	
300-00 · Fund Balance	0.00	
310-00 · Investment in Fixed Assets		30,714,402.38
320-00 · Retained Earnings, Prior		6,442,331.43
405-00 · Members Contracts		77,418.20
410-00 · Partners Fees		1,006,630.00
431-00 · Interest Income		511.81
435-00 · Lease Revenue		51,604.75
450-00 · Intergovernmental-Clackamas Co		14,355,282.80
605-00 · Site Rental	208,327.39	
610-00 · Fuel/Generators	8,915.39	
615-00 · HVAC Maintenance	9,003.15	
620-00 · Landscape Maintenance	4,710.00	
625-00 · Generator Maintenance	2,642.98	
630-00 · UPS Maintenance	4,065.00	
645-00 · Insurance	41,049.94	
650-00 · Utilities	35,747.60	
655-00 · Consultant Services	41,467.16	
657-00 · Regional Radio Expense	0.00	
660-00 · WCCCA System Fees	666,768.20	
665-00 · Radio Maintenance Fees	14,005.44	
670-00 · Legal Services	321.00	
675-00 · Financial Services	5,144.99	
680-00 · Audit Fees	9,600.00	
685-00 · Miscellaneous Expenses	1,111.64	
703-011 · Land Improvement	7,328,949.80	
703-012 · Building	808.80	
703-013 · Tower	283,161.00	
703-014 · Generator	132,276.00	
703-021 · Simulcast / Master Site	4,196,473.82	
703-022 · Subscriber Radios	8,783.05	
703-024 · Paging	264,626.00	
703-025 · Back up Dispatch	1,084.00	
703-026 · Cat. 6 Fire Station Alerting	671,600.60	
703-032 · DC Power	250,019.67	
703-034 · Microwave	360,711.95	
703-036 · Fire Station Alerting	577,696.74	
TOTAL	64,578,189.70	64,578,189.70

Clackamas 800 Radio Group

Balance Sheet

As of February 29, 2020

	Feb 29, 20
ASSETS	
Current Assets	
Checking/Savings	
115-00 · Cash/Checking Account	1,540,643.93
Total Checking/Savings	1,540,643.93
Accounts Receivable	
11000 · Accounts Receivable	119,590.55
Total Accounts Receivable	119,590.55
Total Current Assets	1,660,234.48
Fixed Assets	
169-00 · CIP	27,446,298.52
160-00 · Buildings and Towers	10,956,645.15
165-00 · Radio Backbone	2,520,898.80
166-00 · Equipment	1,052,983.00
175-00 · Accumulated Depreciation	-11,262,423.09
Total Fixed Assets	30,714,402.38
Other Assets	
180-00 · Deferred O/F-P25 Maintenance	5,812,058.44
Total Other Assets	5,812,058.44
TOTAL ASSETS	38,186,695.30
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
201-00 · Accounts Payable	667,585.24
Total Accounts Payable	667,585.24
Total Current Liabilities	667,585.24
Total Liabilities	667,585.24
Equity	
310-00 · Investment in Fixed Assets	30,714,402.38
320-00 · Retained Earnings, Prior	6,442,331.43
Net Income	362,376.25
Total Equity	37,519,110.06
TOTAL LIABILITIES & EQUITY	38,186,695.30

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Clackamas 800 Radio Group
A/R Aging Detail
As of February 29, 2020

	Type	Date	Num	Name	Due Date	Aging	Open Balance
Current							
Total Current							
1 - 30							
	Invoice	01/20/2020	19-255	Tri Met	02/19/2020	10	31,393.10
Total 1 - 30							31,393.10
31 - 60							
	Invoice	01/20/2020	19-256	ODOT	01/20/2020	40	4,556.50
	Invoice	01/20/2020	19-257	ODOT	01/20/2020	40	4,649.15
Total 31 - 60							9,205.65
61 - 90							
Total 61 - 90							
> 90							
	Invoice	07/31/2018	18-166	Canby FD	07/31/2018	578	11,481.80
	Invoice	07/31/2018	18-188	Boring Water	07/31/2018	578	860.00
	Invoice	07/31/2018	18-192	Clackamas County - Transportation Eng	07/31/2018	578	8,170.00
	Invoice	07/15/2019	19-217	Canby FD	07/15/2019	229	29,670.00
	Invoice	07/15/2019	19-221	Colton Fire	07/15/2019	229	16,770.00
	Invoice	07/15/2019	19-240	Boring Water	07/15/2019	229	860.00
	Invoice	07/15/2019	19-244	Clackamas County - Transportation Eng	07/15/2019	229	11,180.00
Total > 90							78,991.80
TOTAL							119,590.55



Clackamas 800 Radio Group

Fiscal Year 2020 / 2021

Proposed Budget

March 18, 2020

C800 Budget Calendar 2020
January 22, 2020

January 22, 2020 Appoint John Hartsock Budget Officer

February 20, 2020 Publish 1st Notice of Budget Committee Meeting

March 12, 2020 Publish 2nd Notice of Budget Committee Meeting

March 18, 2020 Budget Committee Meeting

April 16, 2020 Publish Notice of Budget Hearing

April 22, 2020 Public Budget Hearing

June 30, 2020 Submit Budget Document to Dept of Revenue

2020/2021 BUDGET MESSAGE

BACKGROUND

The City of Canby, City of Gladstone, City of Lake Oswego, City of Milwaukie, City of Molalla, City of Oregon City, City of Sandy, City of West Linn, Aurora Fire District, Canby Fire District, Clackamas Fire District Number 1, Colton Fire District, Estacada Fire District, Hoodland Fire District, Molalla Fire District, Sandy Fire District, Tualatin Valley Fire and Rescue, Clackamas County Sheriff, Clackamas County Health (herein after “Partners”) manage an ORS 190 organization named CLACKAMAS 800 RADIO GROUP (C800). The purpose of the CLACKAMAS 800 RADIO GROUP is to own and operate an effective and cost efficient 800MHz public safety communications system to support public safety to benefit and protect the citizens of Clackamas County.

The organizational and governance format provides an effective approach to public safety communications benefiting law enforcement, fire fighters, emergency medical service providers and the public they serve through a cooperative, partner-managed, information sharing, and communication systems/operations.

This is the nineteenth budget for C800. An initial budget was prepared in FY 2001/2002 but due to the system not being completed there were no operational funds expended. The system became operational in FY 2002/2003 and operational funds were collected and expended.

Clackamas County provided C800 the funding to construct the original 10 site 800MHz radio system. The C800 partners repaid the County through operating funds. In 2016 Clackamas County on behalf of C800 placed a ballot measure on the ballot for the voters of the County to authorize a \$59M general obligation bond to upgrade and expand the system. The measure passed with a 70% margin of approval. The upgrade project to move the system to P25 digital from analog and expand the system by 16 sites is currently underway.

Washington County Consolidated Communications Agency (WCCCA) provides technical management and maintains the radio system under an Intergovernmental Agreement.

GOAL

The goal of C800 is to provide:

***"AN EFFECTIVE PUBLIC SAFETY VOICE AND DATA
RADIO COMMUNICATIONS SYSTEMS OPERATING
AT MAXIMUM EFFICIENCY -- DELIVERING QUALITY
SERVICE -- IN THE MOST COST EFFECTIVE
MANNER."***

FUNCTION OF THE CLACKAMAS 800 RADIO GROUP

CLACKAMAS 800 RADIO GROUP is performing the following functions:

- A. Implementation of the goals and objectives as established by the C800 Board of Directors including development and implementation of long-range plans to the extent funds are appropriated for that purpose by the Partners.
- B. Adoption of an annual budget and approval of budget modifications as required.
- C. Review and evaluate efforts for effectiveness and conformance with established objectives short and long term.
- D. Approval of new Partners.
- E. Approval of Members who will utilize the radio system and determination of a fee schedule for this use.
- F. Approval of future phases of the Radio System build out including funding strategies for capital and operating costs, recognizing that this power of C800 does not obligate the Partners to participate in the funding or management of future phases assets.
- G. Select and retain personnel as deemed appropriate or required for C800's operations.
- H. Resolve operating problems of the Radio System as brought before the C800 Board.

EXPLANATION OF BUDGET

To enable C800 to perform the above, the Board has directed that a budget be prepared as is allowed under statute for the ORS 190 organization. This is a "Council of Government Budget Process" per ORS 294.900 through ORS 294.930 (as amended 2012). As an ORS 190 organization, CLACKAMAS 800 RADIO GROUP is not permitted to levy taxes.

The revenue for the agency is derived from its Partner contributions, fees and charges instituted for other system users, site use agreements with other entities, grants, and loans.

The Board has adopted a funding formula based upon the number of radios programmed on the system. This formula takes the approved operating cost for C800 and divides it by the number of radios programmed onto the system. This per radio cost is then multiplied against the number of radios programmed by a particular agency on the system thus deriving that agency's cost.

FINANCIAL POLICY

The financial policy of C800 is to run a fiscally sound cost conscience as well as an effective customer service organization. C800 operates on a modified accrual basis for accounting. The Board authorized the retention of the firm Talbot, Korvola, & Warwick, LLP to provide accounting services. Clackamas Fire District provides oversight of payments made on C800's behalf.

C800's budget is being used to operate and maintain the radio system as well as to shape the agency and determine its long-term mission and objectives. Washington County Consolidated Communications Agency (WCCCA) provides technical system management and maintenance of the radio system through an Intergovernmental Agreement with C800.

Personnel loaned by the Partners, consultants, and various vendors perform other duties and services required. Currently there are no personnel retained by the C800 as employees.

FINANCIAL POLICY FEATURES

As outlined above services for the agency will be contracted for or provided by other governmental entities, private sector resources, or Partner agencies by direction of the Board. Likewise, the Board will approve material and service costs as required.

CHANGES FROM PREVIOUS BUDGET

The following outlines the changes from the approved FY 2019/2020. Materials and Services has decreased by .6%. Changes include: a) HVAC Maintenance due to added sites 54.8% b) Landscape maintenance due to added sites (24.4%) c) Generator Maintenance due to added sites (37.6%) f) Insurance cost (14%) g) Utility costs (50.8%); h) WCCCA system fees have decreased (17.3%) due to the reduced radio counts; d) radio maintenance cost due to system support (50%).

C800 and WCCCA are jointly working on the radio replacement project which includes upgrading the current radio system from analog to digital, improving coverage, and enhancing performance. This project was required due to system age, technology advancements, and the inability to support the current system into the future.

The per radio cost has remained the same from the FY 18/19 / FY 19/20 of \$430 per radio.

CHANGES IN FINANCIAL POLICY

A financial policy has been prepared and approved by Board and there have been no changes.

CONCLUSION

Clackamas 800 Radio Group continues to be an excellent opportunity for the political and public safety jurisdictions; and public safety answering points and dispatch centers; fire and law enforcement and emergency medical service providers; and the citizens of Clackamas County, its cities and districts served by C800. As outlined above C800 is participating with WCCCA to start implement the upgrade to the Public Safety voice and data radio system across Clackamas and Washington County.

CLACKAMAS 800 RADIO GROUP will provide:

"Superiority in Emergency Communications – because a life is reason enough"

Clackamas 800 Radio Group

March 4, 2020

FY 2020 / 20210 Budget

Revenue

Account #	Account Description	Actual FY17/18	Actual FY18/19	Budget FY19/20	Estimated Final FY 19/20	Proposed FY 20/21	Approved by Budget Committee	Adopted by Governing Board	Increase from FY 19/20
401-00	Cash Resources	179,220	7,532,734	7,812,283	7,812,283	1,252,328			-523.8%
405-00	Members Contracts	65,831	62,641	64,070	77,418	1,049,200			92.6%
410-00	Partners Fees	938,012	978,358	951,268	1,006,630	68,800			-1363.1%
420-00	Partners Debt Service Zone Con	93,689	93,689	0	0	0			0.0%
421-00	Partners Debt Service Microwave	0		0	0	0			0.0%
430-00	Subscriber Radio Payments	2,385,101	(79,180)	100,000	0	100,000			100.0%
431-00	Interest Income	121	183	500	800	800			0.0%
435-00	Lease Income	13,405	18,893	48,140	61,605	66,625			7.5%
440-00	Miscellaneous Income	91		1,000	500	500			0.0%
450-00	Bond Proceeds	15,606,939	18,625,237	31,500,000	21,806,191	15,000,000			-45.4%
455-00	Bond Interest Income	0	0	500,000	0	0			0.0%
	Total Revenue	19,282,409	27,232,554	40,977,261	30,765,427	17,538,253	0	0	-75.4%

Expense

Account #	Account Description	Actual FY17/18	Actual FY18/19	Budget FY19/20	Estimated Final FY 19/20	Proposed FY 20/21	Approved by Budget Committee	Adopted by Governing Board
Personnel	Salary	0	0	0	0	0	0	0
	Benefits	0	0	0	0	0	0	0
	Total Personnel	0	0	0	0	0	0	0

Clackamas 800 Radio Group

March 4, 2020

FY 2020 / 20210 Budget

Account #	Account Description	Actual FY17/18	Actual FY18/19	Budget FY19/20	Estimated Final FY 19/20	Proposed FY 20/21	Approved by Budget Committee	Adopted by Governing Board	Increase from FY 19/20
Materials and Services									
605-00	Site Rental	136,561	163,880	173,838	208,327	189,930			-9.7%
610-00	Fuel / Generators	0	12,084	26,000	18,000	14,625			-23.1%
615-00	HVAC Maintenance	6,442	3,816	9,503	10,000	22,100			54.8%
620-00	Landscape Maintenance	4,710	8,460	14,300	10,200	13,500			24.4%
621-00	Office Supplies	140		2,000	1,200	1,500			20.0%
625-00	Generator Maintenance	11,381	1,642	12,500	15,600	25,000			37.6%
630-00	UPS Maintenance	1,530	1,560	13,500	7,000	7,500			6.7%
635-00	Battery Maintenance	0	295	3,000	1,500	5,000			70.0%
645-00	Insurance	24,238	30,569	35,000	43,000	50,000			14.0%
650-00	Utilities	59,778	53,059	78,000	66,390	135,000			50.8%
665-00	Consultant Services	34,602	49,024	48,500	76,467	55,000			-39.0%
657-00	Regional Radio	0		1,500	0	1,500			100.0%
660-00	WCCCA System Fees	695,404	746,600	866,769	889,024	758,217			-17.3%
665-00	Radio Maintenance Fees	64,417	79,594	90,000	25,000	50,000			50.0%
667-00	Radio Replacement Proj	0		0	0	0			0.0%
670-00	Legal Services	13,738	9,239	8,000	4,500	7,500			40.0%
675-00	Financial Services	6,908	7,551	8,500	9,000	9,500			5.3%
680-00	Audit Fees	5,850	6,285	7,000	9,600	10,000			4.0%
685-00	Miscellaneous Cost	2,655	1,486	5,000	2,100	5,000			58.0%
686-00	Meeting Expense / Web	388	141	1,150	0	2,500			100.0%
	Total Material and Services	1,068,742	1,175,285	1,404,060	1,396,908	1,363,372	0	0	-2.5%
Account #	Account Description	Actual FY17/18	Actual FY18/19	Budget FY19/20	Estimated Final FY 19/20	Proposed FY 20/21	Approved by Budget Committee	Adopted by Governing Board	Increase from FY 19/20
683-00	Capital Reserve	0	0	100,000	0	150,000			100.0%
703-00	Capital Outlay	10,587,245	19,521,250	31,500,000	28,116,191	15,800,000			-78.0%
795-00	Debt Service	93,688	93,688	0	0	0			0.0%
800-00	Operating Contingency	0		75,000	0	100,000			100.0%
	Ending Fund Balance	7,532,734	6,442,331	7,898,201	1,252,328	124,882			-902.8%
	TOTAL EXPENSE	19,282,409	27,232,554	40,977,261	30,765,428	17,538,254	0	0	-75.4%

CLACKAMAS COUNTY 800 MHZ RADIO SYSTEM

Cost Allocation FY 20/21

March 4, 2020

PARTNER AGENCIES	Attention	TOTAL VOICE RADIOS FY 20/21	Annual Operating Cost per voice radio @	Increase from FY 19/20		FY 19/20 Cost
			\$ 430.00			
Clackamas County Health (AMR)	Philip Mason	57	24,510	12,900	111.1%	11,610
Aurora Fire		44	18,920	18,920	100.0%	0
Boring Fire Dist.	DeAnn Henry	0	-	0		0
Canby Fire	Jim Davis	91	39,130	9,460	31.9%	29,670
Canby Police	Bret Smith	61	26,230	0	0.0%	26,230
Clackamas Sheriff	Nancy Artmann	749	322,070	2,670	0.8%	319,400
Clackamas Fire Dist. #1	DeAnn Henry	332	142,760	860	0.6%	141,900
Colton Fire		39	16,770	0	0.0%	16,770
Estacada Fire	Bob Morrissey	57	24,510	0	0.0%	24,510
Gladstone Police	Jim Pryde	40	17,200	(1,720)	-9.1%	18,920
Gladstone Fire	Mike Funk	46	19,780	2,580	15.0%	17,200
Hoodland Fire	John Ingrao	83	35,690	10,320	40.7%	25,370
Lake Oswego Police	Sue Scobert	107	46,010	0	0.0%	46,010
Lake Oswego Fire	Sue Scobert	88	37,840	0	0.0%	37,840
Lake Oswego Public Works	Sue Scobert	54	23,220	0	0.0%	23,220
Milwaukie Police		75	32,250	0	0.0%	32,250
Milwaukie Public Works		48	20,640	0	0.0%	20,640
Molalla Police	Finance	40	17,200	1,290	8.1%	15,910
Molalla Fire	Vince Stafford	75	32,250	0	0.0%	32,250
Oregon City Police	Jim Bend	102	43,860	0	0.0%	43,860
Sandy Fire	Phil Schneider	66	28,380	0	0.0%	28,380
Sandy Police	Ernie Roberts	46	19,780	0	0.0%	19,780
West Linn Police		48	20,640	0	0.0%	20,640
West Linn Public Works	Jeff Randall	26	11,180	0	0.0%	11,180
TVF&R / West Linn Fire		30	12,900	0	0.0%	12,900
Wilsonville - PW		16				
Wilsonville - Transit		36	15,480	(16,340)	100.0%	31,820
TOTAL		2,456	1,049,200	40,940	4.1%	1,008,260

CLACKAMAS COUNTY 800 MHZ RADIO SYSTEM

Cost Allocation FY 20/21

March 4, 2020

MEMBER AGENCIES	Attention		TOTAL VOICE RADIOS FY 20/21	Annual Operating Cost per voice radio @	Increase from FY 19/20		FY 19/20 Cost
Boring Water District	Larry Alexander		2	860	0	0.0%	860
CC Community Corrections	Cris Hoy		50	21,500	(1,290)	-5.7%	22,790
CC District Attorney	Sarah Brown		3	1,290	0	0.0%	1,290
CC Dog Services			10	4,300	2,150	100.0%	2,150
Clackamas Co Transp/Weigh	Joe Marek		30	12,900	1,720	15.4%	11,180
Clackamas Co Code/Environ	Sandy Hamilton		6	2,580	860	50.0%	1,720
CC Medical Examiner	Cathy Phelps	cathyphe@co.clackamas.or.us	6	2,580	860	50.0%	1,720
CC Juvenile	Ellen Crawford		5	2,150	430	25.0%	1,720
CC Community College	Bob Cochran		6	2,580	(860)	100.0%	3,440
City of Happy Valley	Steve Campbell		14	6,020	1,290	27.3%	4,730
Clackamas River Water	Lee Moore		4	1,720	(860)	-33.3%	2,580
Lake Oswego Lake Corp	Christian Stauffer		11	4,730	430	10.0%	4,300
Sunrise Water Authority			12	5,160	0	0.0%	5,160
Willamette Shore Trolley	John Nagy		1	430	0	0.0%	430
TOTAL			160	68,800	4,730	7.4%	64,070

2,616

CCOM			169	0
LOCOM			34	0

COUNTY

800 MHz RADIO

NUMBER OF PUBLIC SAFETY RADIOS

March 4, 2020

As of 1/13/20
APX Other

AGENCY	Radios
Partners	USER
Clackamas County / AMR	57
Aurora Fire	44
Boring Fire Dist.	0
Canby Fire	91
Canby Police	61
Clackamas Sheriff	749
Clackamas Fire Dist. #1	332
Colton Fire	39
Estacada Fire	57
Gladstone Police	40
Gladstone Fire	46
Hoodland Fire	83
Lake Oswego Police	107
Lake Oswego Fire	88
Lake Oswego Public Works	54
Milwaukie Police	75
Milwaukie Public Works	48
Molalla Police	40
Molalla Fire	75
Oregon City Police	102
Sandy Fire	66
Sandy Police	46
West Linn Police	48
West Linn Public Works	26
West Linn Fire / TVF&R	30
Wilsonville PW	16
Wilsonville Transit	36
Total Partners	2,456

57	11
44	15
1	1
91	10
61	57
749	440
332	72
39	37
57	9
40	36
46	19
83	64
107	67
88	58
54	44
75	18
48	3
40	14
75	30
102	28
66	10
46	2
48	31
26	43
	13
0	27
14	36
2389	1,195

Members	USER
Boring Water District	2
CC Comm Corrections	50
CC District Attorney	3
CC Dog Services	10
Clackamas County Transp	30
Clackamas Cnty Code/Envi	6
CC Medical Examiner	6
CC Juvenile	5
CC Community College	6
City of Damascus	0
City of Happy Valley	14
Clackamas River Water	4
Lake Oswego Lake Corp	11
Sunrise Water Authority	12
Willamette Trolley	1
Total Members	160

2	2
50	3
3	3
10	0
30	19
6	3
6	2
5	0
0	6
0	0
14	11
4	6
11	8
12	12
1	2
154	77

Transp 2	DTD 12	Weigh 5
code 2 Ptbl	comm 2	
code 1 Mbl		

TOTAL BILLABLE	2,616
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2543	1272
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COUNTY

800 MHz RADIO

NUMBER OF PUBLIC SAFETY RADIOS

Mutual Aid			
Amtrak	1	1	0
CC Emergency Mgmt	10	10	3
Monitor Fire	13	0	13
ODFW	11	0	11
Reach Medi-Plane	5	5	5
Silverton Fire District	5	0	5
USFS	15	15	0
Woodburn Fire	2	0	2
Total Mutual Aid	62	31	39
GRAND TOTAL	2,678	2574	1311
CCOM	169	122	138
LOCOM	34	31	10
Total w/ Dispatch	2,881	2727	1459

800 MHz RADIO SYSTEM

Radio Site Locations - Site Lease Cost

March 4, 2020

1	Barton	11,457.72
2	West Linn	0.00
3	Damascus	16,207.33
4	Wilsonville	13,506.11
5	Mt Scott	0.00
6	Mt View Water Tank	0.00
7	Petes Mountain	22,442.95
8	Polivka	7,132.55
9	Sandy	13,506.11
10	View Acres	25,502.50
11	Brightwood	0.00
12	Crutcher	0.00
13	Tom Dick & Harry	0.00
14	Lindhart	0.00
15	Timberline	0.00
16	Canby	13,506.11
17	Day Hill	17,389.11
18	Highland	0.00
19	Redland Rd	20,400.00
20	Memaloose	0.00
21	Oak Grove	0.00
22	Whalehead	0.00
23	Goat Mountain	28,879.43
24	Sawtell	0.00
25	2nd LO Site	0.00
26	CCOM	0.00
27	Hoodland/Brightwood	0.00
28	LOCOM	0.00
29	Lake Oswego / Canterbury	In Radio Cost
Total		\$ 189,929.91

OWNER	LOCATION	Lease Cost	Lease Terms	2020/21 Payment	Payment Due	Lease Renewal
Site Address						
1	McKenzie Family Trust Land Holdings PO Box 1148 Welches, OR 97067	Barton Parcel # 00640480	\$10,800 per year 3% per year escalation / Due Jan 1	Signed 1/31/18 10 years w/ 4-5 year options	\$11,457.72	Jan 1, 2021 1/31/2028
2	City of Lake Oswego 351 1st Street Lake Oswego, OR 97037 (503) 635-0252 Leslie Taylor	Cooks Butte Park	\$1 per year	Signed April 20, 2018 10 years w/ 4-5 year options	\$ -	4/20/2028 4/20/3033 4/20/2038 4/20/2043
3	Nicholas and McKenie Chully 9330 SE Wooded Hills Ct Damascus, Or 97089	Damascus Tax Lot 13E28B-01401	\$14,400 Per Year 3% per year escalation / Due Jan 1	Signed 2/20/2017 10 years w/ 4 - 5 year options	\$16,207.33	Jan 1, 2021 1/1/2027
4	City of Wilsonville 25799 SW Town Center Loop E Wilsonville 97070	Tax lot 502, Section 1, T3S, R1W, W.M	\$12,000 Per Year 3% per year escalation / Due Jan 1	Signed ----- 10 years w/ 4 - 5 year options	\$13,506.11	Jan 1, 2021 1/1/2028
5	Oregon Department of Transportation 455 Airport Road SE Salem, OR 97301-5375 (503) 731-8427 Roland Arney	Mt. Scott 10999 Ridgeway Dr Happy Valley	Trading tower space for land lease	Signed 2/1/02 25 years	\$0.00	1/31/2027
6	City of Oregon City 320 Warner Milne Rd Oregon City, OR 97045 (503) 657-0891 Nancy Kraushaar	Mt. View Water Tank 415 Mountain View St. Oregon City	\$1.00 per year System Partner	10 Year Lease / No date on lease - assume Aug 26, 2003 w/ two five year options	\$0.00	8/26/2013 8/26/2018 8/26/2023

7	BBS Property Mgmt Lewis Snader 918 Schaeffer Rd West Linn, OR 97068 (503) 705-7994	Pete's Mountain 1775 Schaeffer Rd West Linn	\$12,000 per year / 2% per year escalation - Due January 1 / Increased by \$5,200 per year 2019 for expansion	Signed 8/7/01 10 yrs w/ 2 5yr options - 2019 added 6 5yr options	\$22,442.95	Jan 1, 2021	7/6/2021 7/6/2026 7/6/2031 7/6/2036 7/6/2041 7/6/2046 7/6/2051
8	Boring Water Dist PO Box 66 Boring, OR 97009 (503) 663-4594 Larry Alexander	Polivka Hill Water Tank 26230 Wally Rd Boring	\$4,800 per year 2% per year escalation Due January 1	Signed 8/7/01 10 years w/ 2 - 5yr options	\$7,132.55	Jan 1, 2021	7/30/2011 7/30/2016 7/30/2021
9	Darren Mc Ara/Tami McAra /Brenda Tinjurn/Robert Lux 3516 Kelso Rd Boring, OR 97009	Sandy 38275 Marcy St Sandy, OR 97055	\$12,000 Per Year 3% per year escalation / Due Jan 1	Signed 9/19/2016 10 years w/ 4 - 5 year options	\$13,506.11	Jan 1, 2021	9/1/2026 9/1/2031 9/1/2036 9/1/2041
10	Oak Lodge Water District 14496 SE River Road, Milwaukie OR 97267 (503) 654-7765 Katherine Willis	View Acres 4410 SE View Acres Milwaukie	\$25,000 per year /1% per year escalation	Signed 3/26/18 20 years w/ 2 - 5yr options	\$ 25,502.50	June 30, 2020	7/1/2037 7/1/2042 7/1/2047
11	US Dept of Interior Salem Dist Office 1717 Fabry Stree SE Salem 97306	Brightwood WM T2S R6E S14 SW1/4 NE1/4 SE1/4 NE1/4	\$0	Signed 5/1/06 20 years request new lease in 2025	\$0.00		4/1/2026
12	US Dept of Interior Salem Dist Office 1717 Fabry Stree SE Salem 97306	Crutcher Bench	\$0	Signed 2/1/18 25 years request a new lease in 2043	\$0.00		12/31/2043
13	US Dept of Agriculture Forest Service Mt Hood National Forest 16400 Champion Way Sandy, OR 97055	Tom Dick & Harry	\$0		\$0.00		
14	State of Oregon Department of Forestry North Cascade District 22965 N Fork Road SE Lyons, OR 97358 Gregg Cline	Lenhart Butte Tax lot 400 SW1/4 of NW1/4 of SW1/4 of S35 T2S R5 WM	\$0	Signed 8/11/05 10 years w/ 5 year extensions	\$ -		7/11/2015 7/11/2020 7/11/2025
15	US Dept of Agriculture Forest Service Mt Hood National Forest 16400 Champion Way Sandy, OR 97055	Timberline WM S6, T 3S, R 9E	\$0	Signed 10/21/2013 29 years request new lease in 2040	\$ -		1/1/2042
16	Zimmer Family Limited Trust 28485 S Sundowner Court Canby, OR 97013	Canby Parcel # 00797828 Canby, OR 97013	\$12,000 Per Year 3% per year escalation / Due Jan 1	Signed 7/29/2016 10 years w/ 4 - 5 year options	\$13,506.11	Jan 1, 2021	8/1/2026 8/1/2031 8/1/2036 8/1/2041
17	Cascade Utilities Inc d/b/a Reliance Connects PO Box 189 Estacada, OR 97023	23151 S. Day Hill Road Estacada, OR 97023	\$15,000 per year w/ a 3% adjustment anually	Signed 7/13/15 10Years w/ 4 5 year options	\$17,389.11	Jan 1, 2021	1/1/2025
18	US Dept of Interior Salem Dist Office 1717 Fabry Stree SE Salem 97306	Highland Butte	\$0	Signed 2/1/18 29 years request a new lease in 2047	\$0.00		12/31/2047

19	Ruth E Staats Trust 20062 S. Redland Rd Oregon City, OR 97045 971 563-1983 3RVision@gmail.com David Staats	Redland Road 20062 S. Redland Rd Oregon City	\$9,600 per year 2% per year escalation Due January 1	Signed 8/30/01 10 years w/ 2 - 5yr options	\$20,400.00	Jan 1, 2021	7/30/2011 7/30/2016 7/30/2021
20	US Dept of Agriculture Forest Service Mt Hood National Forest 16400 Champion Way Sandy, OR 97055	Memaloose	\$0		\$0.00		
21	US Dept of Agriculture Forest Service Mt Hood National Forest 16400 Champion Way Sandy, OR 97055	Oak Grove Butte	\$0		\$0.00		
22	US Dept of Agriculture Forest Service Mt Hood National Forest 16400 Champion Way Sandy, OR 97055	Whale Head	\$0		\$0.00		
23	Weyerhaeuser Company 37904 Brewster Road Lebanon, OR 97355 Attn: Land Use Manager	Goat Mt. T55 R2E Sect 7 Lots 3900 & 4000	\$12,000 per year 5% per year escalation Due July 29	Signed 10/23/02 10 years w/ 2 - 5yr options	\$ 28,879.43	July 29, 2020	9/22/2012 9/22/2017 9/22/2022
24	Molalla Fire District 320 N Molalla Ave Molalla, OR 97038 Stafford	Viince Sawtell 36715 S Sawtell RD Molalla, OR 97038	\$0	Signed 6/6/16 5 years w/ 5- 5 year extensions	\$0.00		6/6/2021 5/5/2026 5/5/2031 5/5/2036 5/5/2041 5/5/2046
25	City of Lake Oswego 351 1st Street Lake Oswego, OR 97037 (503) 635-0252 Leslie Taylor	Neer Rd			\$ -		
26	Clackamas County 901 Main St, Oregon City, OR 97045 (503) 655-8581 County Administrator	CCOM Prime Site 2200 Kaen Rd, Oregon City	\$0 County Owned Property	No Lease	\$0.00		None
27	Hoodland Fire	Brightwood Station					
28	City of Lake Oswego 351 1st Street Lake Oswego, OR 97037 (503) 635-0252 Leslie Taylor	LOCOM Dispatch Site 351 1st Street Lake Oswego	\$0 City Owned Property	No Lease	\$0.00		None
29	WCCCA PO Box 6375 Beaverton, OR 97007 (503) 690- 4911 ext 272 Dave Austin	WCCCA Site - Canterbury Lane - Share Lease/Maintenance Costs 10310 SW Canterbury Ln	Part of WCCCA IGA		In Radio Cost		None

WCCCA FY 2020/21 Radio System Maintenance Cost

March 4 2020

Description			Proposed WCCCA Budget	WCCCA Allocation		C800		2019/2020	% Chg	Newberg PD	
Personnel: Radio Services			1,465,672	60.00%	\$ 880,110	38.7%	\$ 567,146	575,050	-1.37%	1.3%	18,617
Dept	Object#	Materials & Services Radio Department				% of Radios				% of Radios	
572	5300	Office Supplies	1,280	100%	1,280						
572	5301	Radio Supplies - Shop	12,500	60%	7,506	38.7%	4,836	2000	141.80%	1.3%	159
572	5303	Uniforms	3,150	60%	1,892	38.7%	1,219	1,219	0.00%	1.3%	40
572	5323	Food	800	45%	360	38.7%	232	310	-25.16%	1.3%	8
572	5330	Non Capital Furn & Equip	10,000	60%	6,005	38.7%	3,869	3,870	-0.03%	1.3%	127
572	5340	Software Upgrades	3,200	60%	1,922	38.7%	1,238	1,238	0.03%	1.3%	41
572	5350	Fuel (Vehicles)	9,300	60%	5,585	38.7%	3,598	3,599	-0.03%	1.3%	118
572	5360	Radio Supplies - Infrastructure	68,850	60%	41,344	38.7%	26,638	26,645	-0.03%	1.3%	874
572	5363	M & R Vehicles	9,600	60%	5,765	38.7%	3,714	3,715	-0.03%	1.3%	122
572	5368	Maintenance Agreements Contracts / Professional Services	85,250	60%	51,193		-			1.3%	-
572	5430	Telephone	96	60%	58	38.7%	37	37	0.00%	1.3%	1
572	5431	Admin. Telephone	4,800	60%	2,882	38.7%	1,857	1,857	0.00%	1.3%	61
572	5461	Training	2,600	60%	1,561	38.7%	1,006	1,006	0.00%	1.3%	33
572	5462	Travel Expenses	3,160	60%	1,898	38.7%	1,223	1,223	0.00%	1.3%	40
572	5472	Employee Recognition	-		-					1.3%	7
572	5500	Dues & Subscriptions	590	60%	354	38.7%	228	228	0.00%	1.3%	6
572	5510	Shipping & Postage	500	60%	300	38.7%	193	193	0.00%	1.3%	10
572	5572	Advertising/Public Notices	750	60%	450	38.7%	290	290	0.00%	1.3%	
Facility/ Tower Department											
600	5300	Office Supplies	-		-		-				-
600	5330	Non Capital Furn & Equip	18,000	94%	16,871	5.0%	900	6,964	-87.08%	1.3%	229
600	5350	Fuel (Sites)	14,950	99%	14,760	0%	-	692	-100.00%	1.3%	190
600	5361	M & R Facility/Sites	5,800	99%	5,726	0%	-	269	-100.00%	1.3%	74
600	5362	M & R Tower Sites Facilities	12,800	99%	12,637	0%	-	653	-100.00%	1.3%	163
600	5368	Maintenance Agreements	-		-		-			1.3%	-
600	5413	Contracted Services	161,200	94%	151,093	5%	8,060	7,463	8.00%	1.3%	2,047
600	5416	Building Maintenance	45,000	94%	42,179	5%	2,250	2,083	8.02%	1.3%	572
600	5432	Heat/Energy	5,000	94%	4,687	5%	250	231	8.23%	1.3%	64
600	5433	Electricity	228,000	94%	213,704	5%	11,400	10,556	8.00%	1.3%	2,896
600	5434	Water Sewer	24,000	94%	22,495	5%	1,200	1,111	8.01%	1.3%	305
600	5436	Garbage	4,600	94%	4,312	5%	230	213	7.98%	1.3%	58
600	5445	Rent for Site Leases	93,863	100%	93,863	0%	-	4,346	-100.00%	1.3%	-
600	5510	Shipping & Postage	200	100%	200	0%	-	9	100.00%	1.3%	-
Subtotal Radio Services M&S Budget			\$ 829,839		\$ 712,882		\$ 74,469	\$ 82,020	-9.21%		\$ 8,243
1 New Tech Vehicle + 1 Replacement			74,000		44,437	38.7%	28,631	28,629	0.01%		940
Contingency for Battery replacements			20,000		20,000		-				-
Total Capital Outlay			\$ 94,000		\$ 64,437		\$ 28,631	28,629	0.01%		\$ 940
WCCCA Radio System Overhead Allocation			\$ 250,000		\$ 150,115	38.7%	96,721	217,171	-55.46%	1.3%	\$ 3,164
on-related Administrative Overhead Backout of C800			8,750		8,639		(8,750)	(18,914)	-53.74%	1.3%	111
Legal, Contract Svcs, Business Misc, Adv. Com.Ed											

TOTALS	\$ 2,639,511	\$ 1,816,183	\$ 758,217	\$ 883,956	-14.22%	\$ 31,074
System Cost per Radio	\$ 379.62	SubLease Re' \$ (93,863) Maint. Rev \$ (13,000) WCCCA to Recover \$ 1,709,320	C800 Cost FY 20/21 \$ 758,217			Newberg PD FY 19/20 \$ 31,074
1/12/2018 RADIO COUNTS			Qtrly Bills \$ 189,554	\$ 866,769	-12.52%	Qtrly Bills \$ 7,769
WCCCA	4,175 60.0%		Per Radio \$ 281.86	\$ 216,692	-12.52%	
C800	2,690 38.7%					
Newberg PD	88 1.3%					
Total System Radio Count	6,953 100.0%					

RADIO PROJECT STATUS

Emergency Communication System Upgrade

C800 Project Leader: John Hartsock

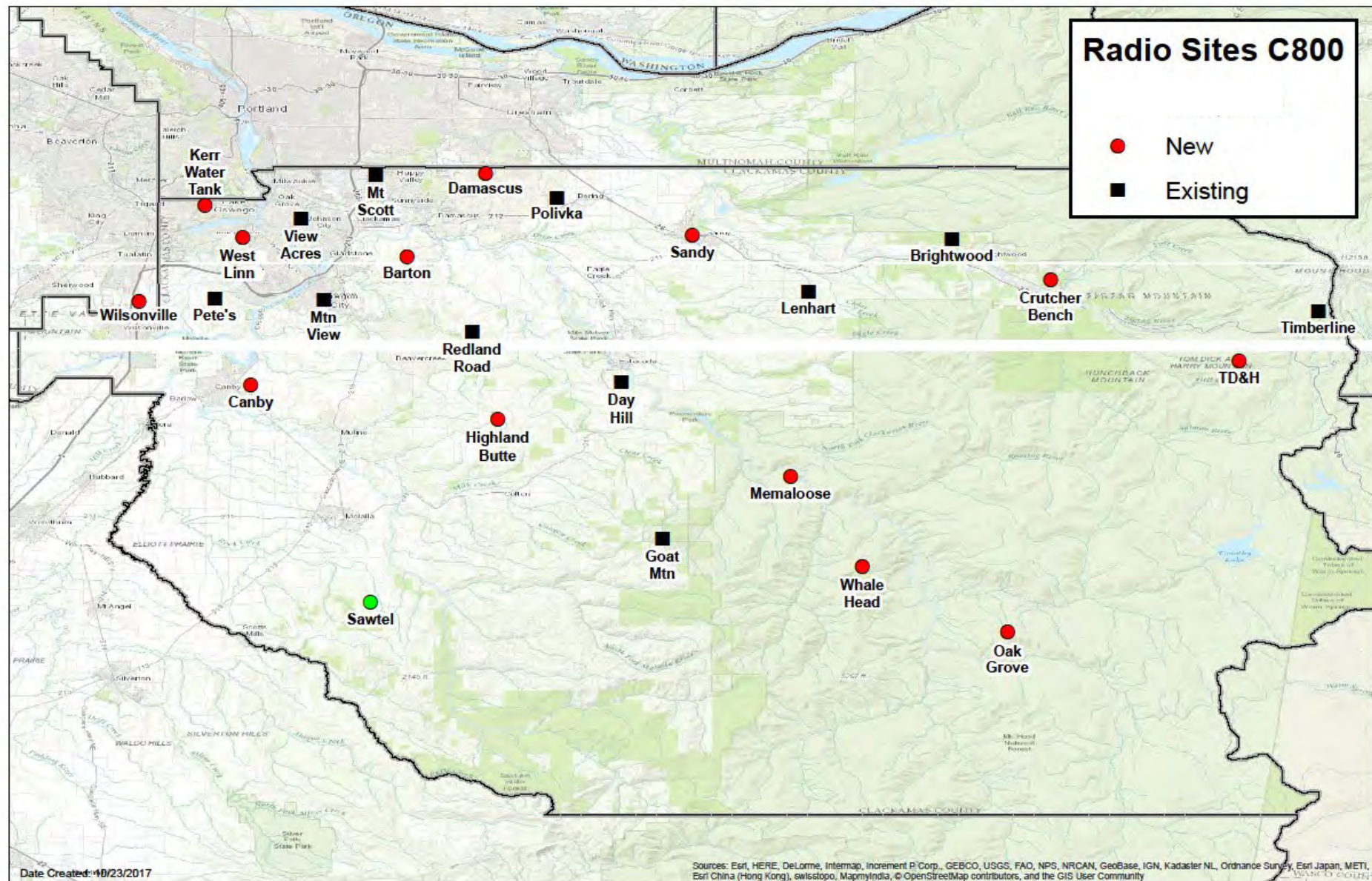
WCCCA Project Leader: Ron Polluconi

C800 Project Manager: Bjorn Morfin

Date: March 18, 2020



C800 Site Locations



Project Status New Sites Summary

14 New Sites
Acquisition / Design
/ Construction:

- **Barton / Damascus / Sandy / Canby / Crutcher Bench /:** Complete.
- **Hoodland Fire/Brightwood:** Complete.
- **Wilsonville:** Complete
- **Highland Butte (BLM):** Complete
- **Tom Dick & Harry / Memaloose / Whale Head / Oak Grove (USFS):** Construction is underway on Memaloose / Whalehead / Oak Grove – access easement being obtained for TD&H. Anticipate a June 2020 completion depending on weather for all
- **West Linn:** Awaiting response from ODOT on Lease.
- **Kerr Parkway Water Tank:** Researching alternative locations.



Project Status Existing Sites Summary

13 Existing Sites Design / Construction

- **Brightwood / Lenhart / Pete's / Polivka / Day Hill / Mt View / Redland Rd / Sawtell / View Acres :** Complete
- **Mt Scott:** Complete
- **Goat Mtn / :** Tower structural upgrades / building foundation upgrades / 48V DC power system / new generator and 1,000 gal fuel tank / new HVAC units. Goat is underway but has been delayed due to weather. Anticipate completion May 2020
- **Timberline:** new generator and 1,000 gal fuel tank to be scheduled
- **CCOM:** New Uninterruptable Power System for Master Site Equipment / revisions to fire suppression system / new cable tray work complete. Replacement of consoles planned for May/June.



Project Schedule

ID	Task Name	Duration	Start	Finish												
					2016			2017			2018		2019		2020	
					Half Qtr 2	2nd Half Qtr 3	1st Half Qtr 4	2nd Half Qtr 1	1st Half Qtr 2	2nd Half Qtr 3	1st Half Qtr 4	2nd Half Qtr 1	1st Half Qtr 2	2nd Half Qtr 3	1st Half Qtr 4	2nd Half Qtr 1
0	C800 Radio Systems Upgrade 6-1-2019	1093 days?	Wed 6/1/16	Fri 8/7/20												
1	Site Acquisition & Design & Construction	1038 days	Wed 6/1/16	Fri 5/22/20												
2	Aquisition - Land Leases / Survey / Soils / Geotech	848 days	Wed 6/1/16	Fri 8/30/19												
12	Site Designs, Engineering /Architecture / Land Use / Permits / Bid Award Contract	828 days	Wed 11/16/16	Fri 1/17/20												
21	Construct New Site	818 days	Wed 4/5/17	Fri 5/22/20												
30	Upgrade Existing Communications Sites	470 days	Mon 2/5/18	Fri 11/22/19												
31	Site Designs, Engineering /Architecture / Land Use / Permits/ Bid & Award Construction	390 days	Mon 2/5/18	Fri 8/2/19												
36	Construct Existing Site	355 days	Mon 7/16/18	Fri 11/22/19												
41	WCCCA/C800 Phase IV P25 System (Voice/Data/Paging)	1050 days?	Mon 8/1/16	Fri 8/7/20												
42	WCCCA/C800 Phase IV P25 System (Voice/Data/Paging)	0 days?	Mon 8/1/16	Mon 8/1/16												
43	P25 LMR System and Subscribers	1050 days	Mon 8/1/16	Fri 8/7/20												
44	Upgrade or Replace P25 Subscriber Radios	674 days	Mon 7/3/17	Thu 1/30/20												
50	Upgrade P25 LMR Infrastructure	930 days	Mon 8/1/16	Fri 2/21/20												
53	New/upgraded alarms, security, telemetry, site management systems, procurment	320 days	Tue 1/1/19	Mon 3/23/20												
56	Upgrade or Replace P25 IV&D Radio/Dispatch Consoles	1000 days	Mon 8/1/16	Fri 5/29/20												
59	Recording/Logging equipment upgrade/replacement	350 days	Tue 2/5/19	Mon 6/8/20												
63	Backup Dispatch (Wide and Control Station modes)	460 days	Mon 11/5/18	Fri 8/7/20												
66	Site on Wheels (wide and ST modes)	400 days	Mon 11/5/18	Fri 5/15/20												
69	Microwave Backhaul Systems	675 days	Mon 11/6/17	Fri 6/5/20												

Project Schedule

ID	Task Name	Duration	Start	Finish												
					2016				2017				2018			
					Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half
75	New/Upgrade 48 VDC and Battery Backup Systems	405 days	Mon 9/24/18	Fri 4/10/20	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1
80	Paging, Messaging Systems upgrade/replacement	600 days	Mon 2/5/18	Fri 5/22/20												
89	IP based Fire Station Alerting System	500 days	Mon 6/4/18	Fri 5/1/20												
96	Video and Security systems	255 days	Mon 6/17/19	Fri 6/5/20												
103	Interoperable RF Systems and Links	570 days	Mon 6/4/18	Fri 8/7/20												
110																
112	System Operational August 7, 2020	0 days	Fri 8/7/20	Fri 8/7/20												

- New Site Design & Construction complete: June 2020
- Existing Sites Upgrade complete: February 2020 (except Goat – May 2020)
- System Operational Date: August 2020 (Less Lake Oswego)
- Lake Oswego: To be determined

C800 Radio System Upgrade Budget ⁽¹⁾

Project:	C800 Radio System Upgrade		
Date Original:	10/1/2015	Date Updated:	January 31, 2020
Project Manager:	Bjorn Morfin		

Item	Budget	Original Encumbrance	Additional Encumbrance / Change Order	Estimate to Complete	Percent Complete	Estimated Total	(Over) Under Budget	Expended
Soft Cost								
Site Acquisition Consulting - Quest	60,000	25,000	45,000	(2,930)	100.00%	67,070	(7,070)	67,069.81
Site Acquisition Consulting / Permits - Securacite	320,000	321,250	121,300	125,000	92.44%	567,550	(247,550)	524,655.35
Site Planning A&E - Cushing/Capital/Cundiff/Forensic/KPFF/SDC/ToddHess	725,000	692,391	468,930	(275,000)	97.18%	886,321	(161,321)	861,287.70
Geotechnical / Environmental Consulting - Black Mtn	250,000	443,670	40,000	40,000	92.03%	523,670	(273,670)	481,915.22
Survey - McKay	75,000	129,835	0	0	81.40%	129,835	(54,835)	105,685.00
USFS Land Use Fees	15,000	10,000	40,000	5,000	89.94%	55,000	(40,000)	49,465.23
Land Use Fees	25,000	9,400	0	0	99.35%	9,400	15,600	9,339.00
Plan Check / Permit Cost	60,000	10,000	0	0	95.25%	10,000	50,000	9,525.20
Printing	2,500			500	0.00%	500	2,000	0.00
Bid Advertising	3,500	1,300	0	250	83.01%	1,550	1,950	1,286.65
Materials Testing & Inspection	40,000	2,700	0	30,000	8.02%	32,700	7,300	2,623.75
Project Management	300,000	296,000	150,000	115,000	81.83%	561,000	(261,000)	459,061.34
Legal Fees	30,000	21,000	0	5,000	80.92%	26,000	4,000	21,038.74
Licensing	20,000	69,000		5,000	93.10%	74,000	(54,000)	68,890.50
Miscellaneous	30,000	88,000	10,000	10,000	89.64%	108,000	(78,000)	96,815.38
Sub-Total Soft Cost	1,956,000	2,119,546	875,230	57,820	90.37%	3,052,596	(1,096,596)	2,758,659
Construction Cost								
Site Construction	8,895,000	7,036,634	5,000,000	2,000,000	75.71%	14,036,634	(5,141,634)	10,626,769.10
Buildings	1,350,000	2,018,663	0	0	88.20%	2,018,663	(668,663)	1,780,369.60
Towers	660,000	1,383,357	0	300,000	96.40%	1,683,357	(1,023,357)	1,622,677.81
Generator	500,000	513,196	0	100,000	96.57%	613,196	(113,196)	592,161.21
48VDC	1,065,000	1,443,767	0	(300,000)	91.50%	1,143,767	(78,767)	1,046,537.46
Lake Oswego Antenna	18,000	17,500	0	0	100.07%	17,500	500	17,511.75
Sub-Total Construction Cost	12,488,000	12,413,117	5,000,000	2,100,000	80.39%	19,513,117	(7,025,117)	15,686,026.93

C800 Radio System Upgrade Budget (2)

Project:	C800 Radio System Upgrade	
Date Original:	10/1/2015	Date Updated: January 31, 2020
Project Manager:	Bjorn Morfin	

Item	Budget	Original Encumbrance	Additional Encumbrance / Change Order	Estimate to Complete	Percent Complete	Estimated Total	(Over) Under Budget	Expended
Equipment Costs								
Simulcast Equipment	20,726,000	\$19,592,515		500,000	91.89%	20,092,515	633,485	18,462,761.84
Paging	373,000	7,523		365,000	77.00%	372,523	477	286,825.31
Subscriber Radios	5,000,000	6,303,129		500,000	49.45%	6,803,129	(1,803,129)	3,364,355.52
Asset Management	119,000			119,000	0.00%	119,000	0	0.00
Post Warranty / System Refresh	5,800,000	5,812,058		0	100.00%	5,812,058	(12,058)	5,812,058.44
Test Equipment	100,000			100,000	0.00%	100,000	0	0.00
Microwave	3,368,000	0	2,349,951	500,000	99.55%	2,849,951	518,049	2,837,092.86
Security System	1,364,000			1,364,000	0.08%	1,364,000	0	1,079.96
Fire Station Alerting	0			1,570,000		1,570,000	(1,570,000)	1,381,998.43
Subtotal Equipment Costs	36,850,000	31,715,225	2,349,951	5,018,000	82.25%	39,083,176	(2,233,176)	32,146,172
Bond Cost	300,000	290,372		50,000	95.06%	340,372	(40,372)	323,547
Subtotal Project Cost	51,594,000	46,538,260	8,225,181	7,225,820	82.13%	61,989,261	(10,395,261)	50,914,406
Additional Proceeds	4,875,000					(4,875,000)	4,875,000	
Adjusted Project Costs	56,469,000	46,538,260	8,225,181	7,225,820	82.13%	57,114,261	(5,520,261)	
Contingency	7,406,000			1,750,000	0.00%	1,750,000	5,656,000	
Total Project Cost	63,875,000	46,538,260	8,225,181	8,975,820	86.49%	58,864,261	135,739	50,914,405.59

Bond Proceeds	5,845,000	Taxable
	53,155,000	Non Taxable
	59,000,000	
Additional Proceeds	2,200,000	Subscriber Radio Payments
	2,675,000	PGE Payment
	4,875,000	
Total Proceeds	63,875,000	

Premium Bond Proceeds	7,165,794
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Q1 - 2020 Quarterly Outlook

	C800
<ul style="list-style-type: none">• Procurement	<ul style="list-style-type: none">• Bid and award security/CCTV system
<ul style="list-style-type: none">• Leases & Land Use Applications	<ul style="list-style-type: none">• Determine Lake Oswego Sites / submit land use
<ul style="list-style-type: none">• Site Construction	<ul style="list-style-type: none">• Complete Wilsonville / Highland Butte / Whalehead / Oak Grove Butte / Memaloose / Tom Dick & Harry / Goat Mt
<ul style="list-style-type: none">• Radio / Microwave	<ul style="list-style-type: none">• Continue radio infrastructure install• Continue microwave system install• Finalize subscriber radio distribution and existing radio upgrades

Project Goal:

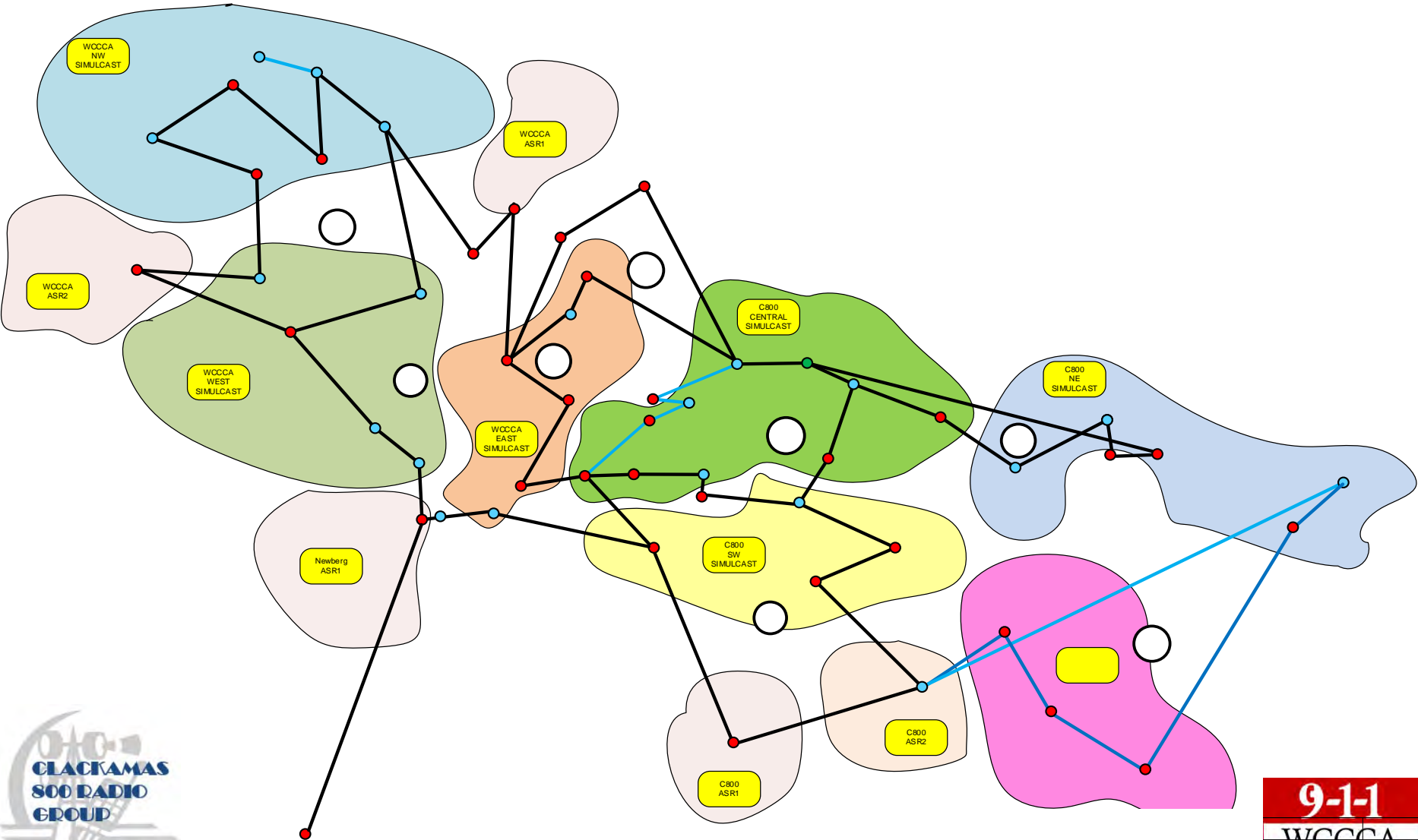
To create an efficient, dependable public safety radio communications system that works in all parts of Clackamas County!

**What's Happening With the
Communications Upgrade Project?**



Site Connectivity:

Loop Protected Microwave Backhaul / At least 2 connections to each site





Wilsonville



Highland Butte



CLACKAMAS
SQUAD
GROUP

9-1-1
WCCCA
POLICE • FIRE • MEDICAL



Mt Scott





11300 SE Fuller Rd
Milwaukie, Oregon 97222
(503) 780-4806
C800.ORG

Board of Directors Action Request

To: C800 Board of Directors
From: John Hartsock, Manager
Date: March 18, 2020
Re: Approve the Purchase of Console Furniture for CCOM

REQUEST: It is hereby requested that the C800 Board of Directors approve purchasing console furniture for CCOM from Evans Consoles Inc. Vienna, VA in the amount of \$377,004.42.

DESCRIPTION: The existing console furniture at CCOM which holds the radio system dispatch equipment is approaching 20 years old and are failing. As a part of the bond upgrade project the replacement of these consoles were included.

CCOM did extensive research on console furniture with the following firms: Evans Consoles, Xybix Consoles (WCCCA), Russ Basset Consoles (Lake Oswego) and others. After site visits and staff involvement and review CCOM has chosen Evans as the best fit for their needs.

In accordance with ORS 279A-205 this procurement is being facilitated through a cooperative purchasing agreement. Huston-Galveston Area Council (H-GAC) has entered into contract number EC0716 on July 1 of 2018 to June 30 20201 with Evans Consoles Inc.

FINANCE: The funds are budgeted in capital outlay as part of the Bond funding.

LEGAL: A C800 purchase order will be utilized as approved by legal counsel.

RECOMMENDATION: It is hereby recommended that the C800 Board of Directors approve purchasing console furniture for CCOM from Evans Consoles Inc. Vienna, VA in the amount of \$377,004.42.



11300 SE Fuller Rd
Milwaukie, Oregon 97222
(503) 780-4806

Board of Directors Action Request

To: Board of Directors
From: John Hartsock, Manager
Date: March 18, 2020
Re: Approval of Check Signing Authority

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**REQUEST:** It is hereby requested that the C800 Board of Directors authorize Lt Jorge Tro as a check signer for the checking account at Clackamas County Bank (Account #733508).

**ISSUE:** C800 maintains an interest-bearing checking account at the Clackamas County Bank. Electronic payment and written checks are the two methods that are utilized for payments. The Board has previously approved that two signatures were required for all payments in excess of \$3,000 and one signature for payments less than \$3,000.

**POLICY IMPLICATIONS:** The current approved C800 budget is utilized as the basis of expenditure approval. Action on this proposal will establish the policy for executing payments of expenditures.

**FINANCIAL:** None

**LEGAL:** This recommendation will establish the signature authority for checks and electronic payments.

**RECOMMENDATION:** It is hereby recommended that the C800 Board of Directors authorize Lt Jorge Tro as a check signer for the checking account at Clackamas County Bank (Account #733508).