

CLACKAMAS C800 RADIO GROUP

BOARD OF DIRECTORS MEETING

June 17, 2020 / 9:00AM

This will be a ZOOM Meeting

Join Zoom Meeting

<https://clackamascounty.zoom.us/j/97351701626?pwd=V0E3dzZ5UUVLGRNbldkUllxWXVYdz09>

Meeting ID:973 5170 1626 / Password:429074

Call In

(408) 638-0968 Meeting ID 973 5170 1626# / Password:429074

1. Call the C800 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 May 20, 2020 Board Meeting - Sue Scobert
4. Public Comment - Sue Scobert
5. Communications - John Hartsock
6. Financial Report - May 2020 - John Hartsock
7. *FY 2020/2021 Budget Approval
8. Committee Reports
 - a. Executive Committee - Sue Scobert
 - b. Technical Committee - John Hartsock
 - c. Citizen Accountability - John Hartsock - Next Meeting June 17, 2020
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. 800 MHz Paging (voice) - Ron Polluconi

- iv. Portable/Mobile Radio Deployment - Todd Matsuo
- v. Portable Radio Antenna - Ron Polluconi
- vi. DVRS - repeaters - Ron Polluconi
- c. South County Fire Mutual Aid Radios - John Hartsock

10. New Business: (* Action Item)

- a. * Approval of a change order with Summit Const Goat - John Hartsock
- b. * Approval of a change order with Summit Const Wilsonville - John Hartsock
- c. Radio use of plain language - Sue Scobert
- d. **Next Board Meeting July 15, 2020 9:00A Location TBD**

11. Open Agenda

12. Adjournment

CLACKAMAS C800 RADIO GROUP

BOARD OF DIRECTORS MEETING

Meeting Minutes of the May 20, 2020 Meeting **Meeting was held via ZOOM**

1. C800 Board Meeting Called to Order at 0900

2. The following agencies were represented online:

City of Canby (Proxy – City of Molalla)	Clackamas Fire District #1
City of Gladstone	Estacada Fire District
City of Lake Oswego	Sandy Fire District
City of Molalla	Tualatin Valley Fire & Rescue
City of Oregon City	Clackamas County Health
City of Sandy	CCOM
Aurora Fire District	WCCCA - Ron Polluconi
Canby Fire District	C800 - John Hartsock / Bjorn Morfin

3. Approval of Minutes – February 19, 2020 and March 18, 2020 Board Meetings

Mike Corless made a motion to approve the minutes of both the February 19, 2020 and March 18, 2020 Board meetings as submitted, seconded by Phil Schneider, and motion passed unanimously.

4. Public Comment: None.

5. Communications: None.

6. Financial Report – March and April included in the packet

John Hartsock reported they are tracking on schedule and next month would be the close of the year. John noted that C800 will receive three delinquent payments from TriMet totaling \$80,000.

7. Committee Reports

Executive Committee-Sue Scobert - The committee did not meet. Nothing to report.

Technical Committee-John Hartsock - The Committee met two weeks ago having a routine discussion on system status and a project update.

Citizen Accountability- John Hartsock - The committee did not meet. Their next meeting is June 17th, location to be determined.

8. Old Business

System Management- Ron Polluconi

Ron Polluconi advised that the system had a small amount of damage this month due to weather, losing three antennas at Goat Mtn. There was storm damage due to icefall and they had just enough spare parts to make the repair. There were no substantial outages or impacts anywhere else.

The techs are installing alarms on the generator systems, and are engaged in re-wiring and re-organizing C-COM dispatch area.

System Upgrade/Replacement

Project Status/Procurement – Bjorn Morfin

Bjorn Morfin shared that a number of sites are complete - Barton, Damascus, Sandy, Canby, Crutcher Bench, Hoodland Fire, Wilsonville and Highland Butte.

Forest Service Sites: *Memaloose* - 98% of power conduit is in. Tower foundation has been poured to be followed by shelter foundations. He noted the site is progressing nicely. They are continuing with boring the power, and are near 43,000 feet, with several miles to go. *Oak Grove* will start on June 1.

The West Linn site is the replacement for Cooks Butte. We are working on an agreement with ODOT to be issued for the site. Drawings are nearing completion to allow for land use application.

Upgrade Sites:

Goat Mtn. - they are doing the tower upgrade and will be working there two more weeks, with two months of groundwork to follow.

John Hartsock talked about the procurement side. He stated they are working on logging recorder issues. They are finalizing the document for site security; camera systems, etc. going out to bid shortly.

Wrapping up the bid document for the West Linn site. John explained that received permission to go on the site from ODOT. He shared that ODOT felt the lease would be wrapped up soon.

Ron Polluconi explained that we are disheartened with the way Motorola has been providing information and pricing related to open issues. He shared that the team has instructed Motorola to give them a final system drawings and pricing.

Ron Polluconi shared that the dispatchers were relatively happy with what they were receiving from the existing logging recording system provider, DSS Equature. The dispatchers prefer this architecture that is more in line with what they originally expected. It provided a geo diverse archival system. The archival system would allow for recovery if a disaster took out a recording system at a dispatch center. It would also allow for interconnectivity; providing the ability to share systems and move from center and center and record other's audio. It also allowed the ability to stream audio. He shared that we will purchase a license from Motorola, to allow for access of audio.

Ron Polluconi explained that we would like to know what talk groups, if any, the agencies would like to stream and if so, what level of delay they would like the streaming to have. He gave an example that law enforcement in Washington County has decided on a 15-minute delay, to allow them to get on scene and start things before the media or public arrive.

John Schmerber asked if the delay in audio would apply for CCOM also. Ron Polluconi confirmed it would be for the whole system (CCOM, LOCOM, WCCCA, and Newberg). He shared that it was not currently implemented, but would be with the new system. Ron Polluconi stated they are hoping to have a decision in about three weeks.

Fire Station Alerting/Paging-John Hartsock

John Hartsock noted that a dozen CFD #1 stations need to be finalized with install. He explained that Day Wireless would be doing the work because Nick Fisher had to go back on the line. They anticipate having these completed in late June.

John shared that June 30 is the current go live date, with an alternate of July 15. He said that USDD (vendor) would be here on June 1, to go through all the stations that had been completed at that time to review and answer any operational questions.

Sue Scobert shared that she and Tony Collins would like to talk with John Hartsock regarding the target date. Tony Collins shared that June 1 was the go live date for Aurora Fire. John Hartsock said that date was chosen because of when things would be done. Mike Corless shared the date could be adjusted.

Portable/Mobile Radio Deployment-John Hartsock

John Hartsock shared that Motorola is continuing to get the radios updated. They are working with Aurora to get them their radios. They are getting to the end of the radio deployment.

Portable Radio Antenna- Ron Polluconi

Ron Polluconi explained there had been mixed results with the field-testing of antennas, primarily because they began distributing field-testing at the same time as social isolating. Generally things are going well.

Ron shared they have an inventory of monoband antennas, marked so they are easily identifiable, and distribution is beginning. They are asking for a one-for-one swap on those antennas, to make sure they are getting the old antennas out of the field. Overall, with the analog system; the antennas had helped the performance of marginal and scratchy connections. It helped pick up the fringe areas and areas inside a building.

Following distribution, they would do a count to see what remaining antennas they had. The additional antennas would be ordered and distributed during summer.

Ron Polluconi talked about the multiband antennas. They were working with Motorola, to figure out why there was a delay in getting antennas from them. Motorola had unsuccessful tests in California, in regards to performance. He was expecting to see something in two to three weeks.

DVRS – repeaters – Ron Polluconi

Ron Polluconi shared they had finished up all of the evaluation repeaters. They were deployed and had very little feedback. They got it sorted out on the analog system; while it worked in analog mode, the true benefit and advantage would be when they moved to the digital system.

They are waiting for the outcome of the DVRS from the Washington County Fire Defense Board input. They have not heard much from the demonstration testing. It had been quiet for the past six weeks.

9. New Business (*Action Item)

South County Fire Mutual Aid Radios

Sue Scobert shared that she did not have this item in her printed copy. John Hartsock shared that he added it to the agenda before he sent it out. He noted that it came up with the Fire Users group at CCOM.

John Hartsock explained that currently, Aurora Fire had Ops 38 from Washington County, patched. This would not be an issue because Aurora would have the new radios. The question came up about the rest of the south county agencies, while doing mutual aid. John shared they plan to look at different options on what they could do about this.

Ron Polluconi shared that if they were all digital, it was a two to one, versus one to one. He explained that the system was designed for two to one; two conversations per physical channel. He noted this was done for cost and the number of licenses. The system was designed for a very limited number of mutual aid, which would allow going to half-rate digital; cutting the capacity for a channel in half. He noted that they would want to be careful to not busy up the system.

Ron Polluconi stated that they had collected a fair number of digital capable radios. He said they had been identifying agencies who would need these. He asked that the group let him know of the needs of mutual aid partners, so he could work those needs into the plan. He explained that if they were to run out of that inventory, they would need to look at different options, including purchasing new radios.

John Hartsock asked to have Aurora Fire see how many radios they may need in the South. John asked for the Board's recommendation on what to do for these mutual aid agencies.

Vince Stafford brought up ODF needing five to six radios since they cover the whole county. He felt they should be a priority because of the threat in the summer months. Ron Polluconi confirmed they have radios set aside for ODF.

Mike Corless shared that USFS has asked to get a couple for their engines. Ron Polluconi recommended that they work through their inventory first for those radios.

John Hartsock will send out an email to the fire group regarding this request.

Group discussion followed.

*** Approval of Contract with Russ Bassett for Lake Oswego Consoles**

John Hartsock explained this is for the purchase of console furniture chosen by LOCOM, following LOCOM's extensive study on their preferences. They chose to purchase through vendor Russ Bassett. He noted that Russ Bassett was competitively priced.

Vince Stafford made a motion for the C800 Board of Directors to approve purchasing console furniture for LOCOM from Russ Bassett, Whitter CA in the amount of \$144,162.45, seconded by Mark Havener, and motion passed unanimously.

***Approval of a change order with SecruaSite**

John Hartsock explained that this is a contract amendment for project and construction management, extending SecruaSite's contract through September 2020.

Frank Schoenfeld made a motion for the C800 Board of Directors to approve issuing a contract amendment in the amount of \$80,000 to SecruaSite for additional site acquisition services, seconded by Mike Corless and motion passed unanimously.

***Approval of a change order with Todd Hess Building Construction**

John Hartsock shared that this is for carpet and other upgrades at CCOM.

Mike Corless made a motion for the C800 Board of Directors to approve issuing a contract change order in the amount of \$65,966 for the remodel of CCOM to Todd Hess Building Co., seconded by Frank Schoenfeld, and motion passed unanimously.

***Approval of change order with T3 Construction – Memaloose**

John Hartsock noted that T3 Construction was the contractor building the Memaloose site. He shared they had a number of additional conditions put on them by the USFS.

Mark Havener made a motion for the C800 Board of Directors to approve issuing a contract change order in the amount of \$390,000 for additional work at the Memaloose site, seconded by Mike Corless, and the motion passed unanimously.

***Approval of a change order with T3 Construction – Highland Butte**

John Hartsock shared that this is for additional work required by BLM.

Randy Hopperstad made a motion for the C800 Board of Directors to approve issuing a contract change order in the amount of \$119,382 for additional work at the Highland Butte Site, seconded by Mike Corless, and the motion passed unanimously.

Next Board Meeting

Next meeting June 17, 2020 at 9:00 AM. Location TBD.

10. Open Agenda

John Hartsock noted that Mike Corless had a radio up near Highland Butte that he wanted to move to the Highland Butte site. John shared that this could be done at any time now.

Vince Stafford asked to put the 800 voice pagers on next month's agenda. Ron Polluconi shared that they had not had any updates on this. He would have Craig be in contact with them. John Hartsock will put this on the agenda for next month.

11. Adjournment - Meeting adjourned at 09:49 AM.

Clackamas 800 Radio Group

Profit & Loss Budget vs. Actual

July 2019 through May 2020

	Jul '19 - May 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	570.39	500.00	70.39	114.1%
435-00 · Lease Revenue	141,183.61	48,140.00	93,043.61	293.3%
440-00 · Miscellaneous Income	0.00	1,000.00	-1,000.00	0.0%
450-00 · Intergovernmental-Clackamas Co	16,172,228.55	31,500,000.00	-15,327,771.45	51.3%
455-00 · Bond Interest Income	0.00	500,000.00	-500,000.00	0.0%
Total Income	17,398,030.75	40,977,261.00	-23,579,230.25	42.5%
Gross Profit	17,398,030.75	40,977,261.00	-23,579,230.25	42.5%
Expense				
605-00 · Site Rental	208,327.39	173,838.00	34,489.39	119.8%
610-00 · Fuel/Generators	10,770.34	26,000.00	-15,229.66	41.4%
615-00 · HVAC Maintenance	12,449.65	9,503.00	2,946.65	131.0%
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	5,656.82	13,500.00	-7,843.18	41.9%
635-00 · Battery Maintenance	0.00	3,000.00	-3,000.00	0.0%
645-00 · Insurance	39,290.94	35,000.00	4,290.94	112.3%
650-00 · Utilities	49,051.52	78,000.00	-28,948.48	62.9%
655-00 · Consultant Services	57,813.83	48,500.00	9,313.83	119.2%
657-00 · Regional Radio Expense	0.00	1,500.00	-1,500.00	0.0%
660-00 · WCCCA System Fees	889,024.27	866,769.00	22,255.27	102.6%
665-00 · Radio Maintenance Fees	15,805.70	90,000.00	-74,194.30	17.6%
667-00 · Radio Replacement Project	0.00	0.00	0.00	0.0%
670-00 · Legal Services	421.00	8,000.00	-7,579.00	5.3%
675-00 · Financial Services	6,887.37	8,500.00	-1,612.63	81.0%
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	45.00	1,150.00	-1,105.00	3.9%
703-00 · Capital Outlay				
703-01 · Buildings & Land Improvement				
703-011 · Land Improvement	8,519,023.55			
703-012 · Building	808.80			
703-013 · Tower	284,012.50			
703-014 · Generator	133,926.00			
Total 703-01 · Buildings & Land Improvement	8,937,770.85			
703-02 · Radio Backbone				
703-021 · Simulcast / Master Site	4,197,309.02			
703-022 · Subscriber Radios	14,394.25			
703-023 · Console Equipment	119,518.33			
703-024 · Paging	312,820.18			
703-025 · Back up Dispatch	1,084.00			
703-026 · Cat. 6 Fire Station Alerting	685,948.54			
Total 703-02 · Radio Backbone	5,331,074.32			
703-03 · Equipment				
703-032 · DC Power	384,064.04			
703-034 · Microwave	469,699.85			
703-036 · Fire Station Alerting	577,696.74			
Total 703-03 · Equipment	1,431,460.63			
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	15,700,305.80	31,500,000.00	-15,799,694.20	49.8%

9:33 AM

06/04/20

Accrual Basis

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

	Jul '19 - May 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	17,013,914.25	40,977,261.00	-23,963,346.75	41.5%
Net Ordinary Income	384,116.50	0.00	384,116.50	100.0%
Net Income	384,116.50	0.00	384,116.50	100.0%

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06/04/20

Accrual Basis

Clackamas 800 Radio Group Profit & Loss Detail

May 2020

Type	Date	Num	Name	Memo	Class	Amount	Balance
Ordinary Income/Expense							
Income							
431-00 · Interest Income							
Deposit	05/31/2020			Interest		9.47	9.47
Total 431-00 · Interest Income						9.47	9.47
435-00 · Lease Revenue							
Deposit	05/28/2020		FBI	Deposit		130.00	130.00
Deposit	05/28/2020		FBI	Deposit		130.00	260.00
Total 435-00 · Lease Revenue						260.00	260.00
450-00 · Intergovernmental-Clackamas Co							
Deposit	05/29/2020		Clackamas County - Bond Related	Deposit		373,031.44	373,031.44
Total 450-00 · Intergovernmental-Clackamas Co						373,031.44	373,031.44
Total Income						373,300.91	373,300.91
Gross Profit						373,300.91	373,300.91
Expense							
615-00 · HVAC Maintenance							
Bill	05/20/2020	154323	Hunter-Davisson, Inc.			340.00	340.00
Bill	05/20/2020	154324	Hunter-Davisson, Inc.			340.00	680.00
Bill	05/20/2020	154330	Hunter-Davisson, Inc.			340.00	1,020.00
Bill	05/21/2020	154355	Hunter-Davisson, Inc.			340.00	1,360.00
Bill	05/21/2020	154362	Hunter-Davisson, Inc.			340.00	1,700.00
Bill	05/21/2020	154350	Hunter-Davisson, Inc.			340.00	2,040.00
Bill	05/21/2020	154351	Hunter-Davisson, Inc.			340.00	2,380.00
Bill	05/26/2020	154418	Hunter-Davisson, Inc.			340.00	2,720.00
Total 615-00 · HVAC Maintenance						2,720.00	2,720.00
650-00 · Utilities							
Check	05/01/2020	EFT	PGE			286.60	286.60
Check	05/01/2020	EFT	PGE			319.31	605.91
Check	05/05/2020	EFT	PGE			220.57	826.48
Check	05/06/2020	EFT	PGE			123.77	950.25
Check	05/06/2020	EFT	PGE			424.07	1,374.32
Check	05/07/2020	EFT	PGE			159.96	1,534.28
Check	05/08/2020	EFT	PGE			330.27	1,864.55
Check	05/12/2020	EFT	PGE			202.89	2,067.44
Check	05/15/2020	EFT	PGE			342.06	2,409.50
Check	05/18/2020	EFT	PGE			159.68	2,569.18
Check	05/18/2020	EFT	PGE			291.95	2,861.13
Check	05/18/2020	EFT	PGE			314.72	3,175.85
Check	05/18/2020	EFT	PGE			491.53	3,667.38
Check	05/19/2020	EFT	PGE			92.51	3,759.89
Check	05/22/2020	EFT	PGE			432.03	4,191.92
Check	05/29/2020	EFT	Canby Utility	190236		97.39	4,289.31
Total 650-00 · Utilities						4,289.31	4,289.31
655-00 · Consultant Services							
Bill	05/07/2020	CIWD ...	Consistent Image Web Design			100.00	100.00
Bill	05/29/2020	634189	Day Wireless Systems Inc.			1,934.00	2,034.00
Bill	05/31/2020	043020	Hartsock Project Mgmt.			5,243.56	7,277.56
Total 655-00 · Consultant Services						7,277.56	7,277.56
675-00 · Financial Services							
Bill	05/04/2020	159787	Talbot, Korvola & Warwick, LLP			515.00	515.00
Check	05/31/2020			Service Charge		20.00	535.00
Total 675-00 · Financial Services						535.00	535.00
686-00 · Meeting Expenses							
Bill	05/05/2020	252215	Pamplin Media Group			45.00	45.00
Total 686-00 · Meeting Expenses						45.00	45.00
703-00 · Capital Outlay							
703-01 · Buildings & Land Improvement							
703-011 · Land Improvement							
Bill	05/06/2020	126828	HPS Construction Inc.		05 Mount Scott	48,760.68	48,760.68
Bill	05/14/2020	2683	Capital Design Services, LLC		02 Skyland/Coo...	3,000.00	51,760.68
Bill	05/14/2020	5408	T3 Construction LLC		20 Angel Falls/...	63,030.00	114,790.68
Bill	05/14/2020	5409	T3 Construction LLC		20 Angel Falls/...	55,500.00	170,290.68
Bill	05/14/2020	5410	T3 Construction LLC		22 Whale Head	20,000.00	190,290.68
Bill	05/14/2020	5411	T3 Construction LLC		20 Angel Falls/...	50,665.61	240,956.29
Bill	05/14/2020	5412	T3 Construction LLC		22 Whale Head	54,732.36	295,688.65
Bill	05/16/2020	9168	Securasite LLC		40 All	1,533.29	297,221.94
Bill	05/16/2020	9169	Securasite LLC		40 All	8,230.00	305,451.94
Bill	05/16/2020	9172	Securasite LLC		20 Angel Falls/...	60.32	305,512.26
Bill	05/16/2020	9173	Securasite LLC		20 Angel Falls/...	487.50	305,999.76
Bill	05/16/2020	9170	Securasite LLC		40 All	499.78	306,499.54
Bill	05/16/2020	9171	Securasite LLC		40 All	7,512.50	314,012.04
Bill	05/19/2020	16042-7	McKay Consulting		12 Crutcher Ben...	6,360.00	320,372.04
Bill	05/19/2020	19033-2	McKay Consulting		02 Skyland/Coo...	405.00	320,777.04
Bill	05/23/2020	9182	Securasite LLC		03 Damascus	50.00	320,827.04
Bill	05/23/2020	9183	Securasite LLC		21 Oak Grove B...	112.50	320,939.54
Bill	05/23/2020	9184	Securasite LLC		13 Tom Dick an...	112.50	321,052.04
Bill	05/23/2020	9187	Securasite LLC		02 Skyland/Coo...	35.96	321,088.00
Bill	05/23/2020	9185	Securasite LLC		22 Whale Head	112.50	321,200.50

These financial statements omit the statement of cash flows and substantially all disclosures required by accounting principles generally accepted in the United States of America. These financial statements have not been subjected to an audit, review, or compilation engagement, and therefore no assurance is provided on them.

9:34 AM

06/04/20

Accrual Basis

Clackamas 800 Radio Group Profit & Loss Detail

May 2020

Type	Date	Num	Name	Memo	Class	Amount	Balance
Bill	05/23/2020	9186	Securasite LLC		04 Wilsonville T...	212.50	321,413.00
Bill	05/24/2020	9188	Securasite LLC		02 Skyland/Coo...	900.00	322,313.00
Bill	05/25/2020	9189	Securasite LLC		12 Crutcher Ben...	218.75	322,531.75
Bill	05/25/2020	9191	Securasite LLC		17 Estacada_D...	206.25	322,738.00
Bill	05/25/2020	9192	Securasite LLC		23 Goat Mountain	75.00	322,813.00
Bill	05/25/2020	9190	Securasite LLC		05 Mount Scott	225.00	323,038.00
Bill	05/31/2020	18001...	Todd Hess Building Company		08 Polivka	4,493.50	327,531.50
Bill	05/31/2020	18001...	Todd Hess Building Company		26 CCOM	23,170.50	350,702.00
Total 703-011 · Land Improvement						350,702.00	350,702.00
Total 703-01 · Buildings & Land Improvement						350,702.00	350,702.00
703-02 · Radio Backbone							
703-022 · Subscriber Radios							
Bill	05/20/2020	INV01...	WCCCA		40 All	5,611.20	5,611.20
Total 703-022 · Subscriber Radios						5,611.20	5,611.20
703-023 · Console Equipment							
Bill	05/21/2020	U033488	Evans Consoles Incorporated		26 CCOM	4,598.75	4,598.75
Total 703-023 · Console Equipment						4,598.75	4,598.75
703-024 · Paging							
Bill	05/01/2020	947024	Primus Electronics		40 All	48,194.18	48,194.18
Total 703-024 · Paging						48,194.18	48,194.18
703-026 · Cat. 6 Fire Station Alerting							
Bill	05/01/2020	INV01...	WCCCA		26 CCOM	1,136.83	1,136.83
Bill	05/19/2020	5241	Tualatin Valley Fire and Rescue		40 All	1,073.75	2,210.58
Total 703-026 · Cat. 6 Fire Station Alerting						2,210.58	2,210.58
Total 703-02 · Radio Backbone						60,614.71	60,614.71
703-03 · Equipment							
703-032 · DC Power							
Bill	05/26/2020	633518	Day Wireless Systems Inc.		08 Polivka	521.36	521.36
Bill	05/26/2020	633551	Day Wireless Systems Inc.		40 All	777.78	1,299.14
Bill	05/26/2020	633483	Day Wireless Systems Inc.		11 Brightwood	521.36	1,820.50
Bill	05/26/2020	633487	Day Wireless Systems Inc.		18 Highland Butte	521.36	2,341.86
Bill	05/26/2020	633544	Day Wireless Systems Inc.		07 Pete's	528.55	2,870.41
Total 703-032 · DC Power						2,870.41	2,870.41
703-034 · Microwave							
Bill	05/01/2020	1891864	Microwave Networks Inc.		04 Wilsonville T...	22,691.10	22,691.10
Bill	05/01/2020	1891884	Microwave Networks Inc.		18 Highland Butte	29,888.00	52,579.10
Total 703-034 · Microwave						52,579.10	52,579.10
Total 703-03 · Equipment						55,449.51	55,449.51
Total 703-00 · Capital Outlay						466,766.22	466,766.22
Total Expense						481,633.09	481,633.09
Net Ordinary Income						-108,332.18	-108,332.18
Net Income						-108,332.18	-108,332.18

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Accrual Basis

Clackamas 800 Radio Group

Trial Balance

As of May 31, 2020

	May 31, 20	
	Debit	Credit
115-00 · Cash/Checking Account	1,327,242.76	
11000 · Accounts Receivable	172,439.81	
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		485,293.08
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		570.39
435-00 · Lease Revenue		141,183.61
450-00 · Intergovernmental-Clackamas Co		16,172,228.55
605-00 · Site Rental	208,327.39	
610-00 · Fuel/Generators	10,770.34	
615-00 · HVAC Maintenance	12,449.65	
620-00 · Landscape Maintenance	4,710.00	
625-00 · Generator Maintenance	2,642.98	
630-00 · UPS Maintenance	5,656.82	
645-00 · Insurance	39,290.94	
650-00 · Utilities	49,051.52	
655-00 · Consultant Services	57,813.83	
657-00 · Regional Radio Expense	0.00	
660-00 · WCCCA System Fees	889,024.27	
665-00 · Radio Maintenance Fees	15,805.70	
670-00 · Legal Services	421.00	
675-00 · Financial Services	6,887.37	
680-00 · Audit Fees	9,600.00	
685-00 · Miscellaneous Expenses	1,111.64	
686-00 · Meeting Expenses	45.00	
703-011 · Land Improvement	8,519,023.55	
703-012 · Building	808.80	
703-013 · Tower	284,012.50	
703-014 · Generator	133,926.00	
703-021 · Simulcast / Master Site	4,197,309.02	
703-022 · Subscriber Radios	14,394.25	
703-023 · Console Equipment	119,518.33	
703-024 · Paging	312,820.18	
703-025 · Back up Dispatch	1,084.00	
703-026 · Cat. 6 Fire Station Alerting	685,948.54	
703-032 · DC Power	384,064.04	
703-034 · Microwave	469,699.85	
703-036 · Fire Station Alerting	577,696.74	
TOTAL	66,302,480.73	66,302,480.73

Clackamas 800 Radio Group

Balance Sheet

As of May 31, 2020

	May 31, 20
ASSETS	
Current Assets	
Checking/Savings	
115-00 · Cash/Checking Account	1,327,242.76
Total Checking/Savings	1,327,242.76
Accounts Receivable	
11000 · Accounts Receivable	172,439.81
Total Accounts Receivable	172,439.81
Total Current Assets	1,499,682.57
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	38,026,143.39
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
201-00 · Accounts Payable	485,293.08
Total Accounts Payable	485,293.08
Total Current Liabilities	485,293.08
Total Liabilities	485,293.08
Equity	
310-00 · Investment in Fixed Assets	30,714,402.38
320-00 · Retained Earnings, Prior	6,442,331.43
Net Income	384,116.50
Total Equity	37,540,850.31
TOTAL LIABILITIES & EQUITY	38,026,143.39

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Clackamas 800 Radio Group A/R Aging Detail As of May 31, 2020

Type	Date	Num	Name	Due Date	Aging	Open Balance
Current						
Total Current						
1 - 30						
Total 1 - 30						
31 - 60						
Invoice	03/13/2020	19-259	Tri Met	04/12/2020	49	28,729.13
Invoice	03/13/2020	19-260	Tri Met	04/12/2020	49	29,591.00
Invoice	03/13/2020	19-261	Tri Met	04/12/2020	49	30,478.73
Total 31 - 60						88,798.86
61 - 90						
Total 61 - 90						
> 90						
Invoice	07/31/2018	18-166	Canby FD	07/31/2018	670	11,481.80
Invoice	07/31/2018	18-188	Boring Water	07/31/2018	670	860.00
Invoice	07/31/2018	18-192	Clackamas County - Transportation Eng	07/31/2018	670	8,170.00
Invoice	07/15/2019	19-217	Canby FD	07/15/2019	321	29,670.00
Invoice	07/15/2019	19-221	Colton Fire	07/15/2019	321	16,770.00
Invoice	07/15/2019	19-240	Boring Water	07/15/2019	321	860.00
Invoice	07/15/2019	19-244	Clackamas County - Transportation Eng	07/15/2019	321	11,180.00
Invoice	01/20/2020	19-257	ODOT	01/20/2020	132	4,649.15
Total > 90						83,640.95
TOTAL						172,439.81



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: June 17, 2020
Re: Approval of Budget for FY 2020 / 2021

~~~~~  
**REQUEST:** It is hereby requested that the C800 Board of Directors approve Resolution 01-20 adopting the budget for the Clackamas 800 Radio Group in the amount of \$17,563,253 for FY 2020/2021.

**HISTORY:** As required by Oregon Revised Statutes the C800 Board of Directors formed a Budget Committee comprised of the Board members to review the budget as proposed by staff. John Hartsock presented the budget to the Budget Committee on March 18, 2020. The Budget Committee approved the budget as submitted and recommended that the Board adopt the budget.

**FINANCE:** This action will establish the budget for C800 for FY 2020 / 2021

**LEGAL:** The process has been conducted in accordance with the requirements of the State of Oregon.

**RECOMMENDATION:** It is recommended that the C800 Board of Directors approve Resolution 01-20 adopting the budget for the Clackamas 800 Radio Group in the amount of \$17,563,253 for FY 2020/2021.

# RESOLUTION 01-20

June 17, 2020

**BE IT RESOLVED** that the Board of Directors of the Clackamas 800 Radio Group hereby adopts the budget for Fiscal Year 2020– 2021 in the amount of Seventeen million, Five Hundred Sixty-Three thousand, Two Hundred Sixty- Three dollars (\$17,563,253) now on file at 11300 SE Fuller Rd Milwaukie, Oregon.

**BE IT RESOLVED** that the amounts for the fiscal year beginning July 1, 2020 for the purposes shown below are here by appropriated.

**General Fund:**

|                        |                   |
|------------------------|-------------------|
| Personnel              | \$ 0.00           |
| Materials and Services | \$ 1,388,371      |
| Debt Service           | \$ 0              |
| Capital Outlay         | \$15,800,000      |
| Operating Contingency  | \$ 100,000        |
| Capital Reserves       | \$ 150,000        |
| Ending Fund Balance    | <u>\$ 124,882</u> |

**Total Appropriation \$17,563,253**

The above resolution statements were approved and declared adopted this 17<sup>th</sup> day of June 2020.

---

Sue Scobert, Chair





# **Clackamas 800 Radio Group**

**Fiscal Year 2020 / 2021**

**Budget**

June 17, 2020

C800 Budget Calendar 2020  
January 22, 2020 - Revised

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**

June 5, 2020          Publish Notice of Budget Hearing

**June 17, 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

May 20, 2020

## FY 2020 / 20210 Budget

### Revenue

| Account # | Account Description             | Actual<br>FY17/18 | Actual<br>FY18/19 | Budget<br>FY19/20 | Estimated<br>Final<br>FY 19/20 | Proposed<br>FY 20/21 | Approved by<br>Budget<br>Committee | Adopted by<br>Governing<br>Board | Increase from<br>FY 19/20 |
|-----------|---------------------------------|-------------------|-------------------|-------------------|--------------------------------|----------------------|------------------------------------|----------------------------------|---------------------------|
| 401-00    | Cash Resources                  | 179,220           | 7,532,734         | 7,812,283         | 7,812,283                      | 1,252,328            | 1,252,328                          | 1,252,328                        | -523.8%                   |
| 405-00    | Members Contracts               | 65,831            | 62,641            | 64,070            | 77,418                         | 1,049,200            | 1,049,200                          | 1,049,200                        | 92.6%                     |
| 410-00    | Partners Fees                   | 938,012           | 978,358           | 951,268           | 1,006,630                      | 68,800               | 68,800                             | 68,800                           | -1363.1%                  |
| 420-00    | Partners Debt Service Zone Con  | 93,689            | 93,689            | 0                 | 0                              | 0                    | 0                                  | 0                                | 0.0%                      |
| 421-00    | Partners Debt Service Microwave | 0                 | 0                 | 0                 | 0                              | 0                    | 0                                  | 0                                | 0.0%                      |
| 430-00    | Subscriber Radio Payments       | 2,385,101         | (79,180)          | 100,000           | 0                              | 125,000              | 125,000                            | 125,000                          | 100.0%                    |
| 431-00    | Interest Income                 | 121               | 183               | 500               | 800                            | 800                  | 800                                | 800                              | 0.0%                      |
| 435-00    | Lease Income                    | 13,405            | 18,893            | 48,140            | 61,605                         | 66,625               | 66,625                             | 66,625                           | 7.5%                      |
| 440-00    | Miscellaneous Income            | 91                | 0                 | 1,000             | 500                            | 500                  | 500                                | 500                              | 0.0%                      |
| 450-00    | Bond Proceeds                   | 15,606,939        | 18,625,237        | 31,500,000        | 21,806,191                     | 15,000,000           | 15,000,000                         | 15,000,000                       | -45.4%                    |
| 455-00    | Bond Interest Income            | 0                 | 0                 | 500,000           | 0                              | 0                    | 0                                  | 0                                | 0.0%                      |
|           |                                 |                   |                   |                   |                                |                      |                                    |                                  |                           |
|           | <b>Total Revenue</b>            | <b>19,282,409</b> | <b>27,232,554</b> | <b>40,977,261</b> | <b>30,765,427</b>              | <b>17,563,253</b>    | <b>17,563,253</b>                  | <b>17,563,253</b>                | <b>-75.2%</b>             |

### Expense

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

# Clackamas 800 Radio Group

May 20, 2020

## FY 2020 / 20210 Budget

| Account #                     | Account Description                | Actual<br>FY17/18 | Actual<br>FY18/19 | Budget<br>FY19/20 | Estimated<br>Final<br>FY 19/20 | Proposed<br>FY 20/21 | Approved by<br>Budget<br>Committee | Adopted by<br>Governing<br>Board | Increase from<br>FY 19/20 |
|-------------------------------|------------------------------------|-------------------|-------------------|-------------------|--------------------------------|----------------------|------------------------------------|----------------------------------|---------------------------|
| <b>Materials and Services</b> |                                    |                   |                   |                   |                                |                      |                                    |                                  |                           |
| 605-00                        | Site Rental                        | 136,561           | 163,880           | 173,838           | 208,327                        | 212,512              | 212,512                            | 212,512                          | 2.0%                      |
| 610-00                        | Fuel / Generators                  | 0                 | 12,084            | 26,000            | 18,000                         | 14,625               | 14,625                             | 14,625                           | -23.1%                    |
| 615-00                        | HVAC Maintenance                   | 6,442             | 3,816             | 9,503             | 10,000                         | 22,100               | 22,100                             | 22,100                           | 54.8%                     |
| 620-00                        | Landscape Maintenance              | 4,710             | 8,460             | 14,300            | 10,200                         | 13,500               | 13,500                             | 13,500                           | 24.4%                     |
| 621-00                        | Office Supplies                    | 140               |                   | 2,000             | 1,200                          | 1,500                | 1,500                              | 1,500                            | 20.0%                     |
| 625-00                        | Generator Maintenance              | 11,381            | 1,642             | 12,500            | 15,600                         | 25,000               | 25,000                             | 25,000                           | 37.6%                     |
| 630-00                        | UPS Maintenance                    | 1,530             | 1,560             | 13,500            | 7,000                          | 7,500                | 7,500                              | 7,500                            | 6.7%                      |
| 635-00                        | Battery Maintenance                | 0                 | 295               | 3,000             | 1,500                          | 5,000                | 5,000                              | 5,000                            | 70.0%                     |
| 645-00                        | Insurance                          | 24,238            | 30,569            | 35,000            | 43,000                         | 50,000               | 50,000                             | 50,000                           | 14.0%                     |
| 650-00                        | Utilities                          | 59,778            | 53,059            | 78,000            | 66,390                         | 135,000              | 135,000                            | 135,000                          | 50.8%                     |
| 665-00                        | Consultant Services                | 34,602            | 49,024            | 48,500            | 76,467                         | 55,000               | 55,000                             | 55,000                           | -39.0%                    |
| 657-00                        | Regional Radio                     | 0                 |                   | 1,500             | 0                              | 1,500                | 1,500                              | 1,500                            | 100.0%                    |
| 660-00                        | WCCCA System Fees                  | 695,404           | 746,600           | 866,769           | 889,024                        | 758,217              | 758,217                            | 758,217                          | -17.3%                    |
| 665-00                        | Radio Maintenance Fees             | 64,417            | 79,594            | 90,000            | 25,000                         | 50,000               | 50,000                             | 50,000                           | 50.0%                     |
| 667-00                        | Radio Replacement Proj             | 0                 |                   | 0                 | 0                              | 0                    | 0                                  | 0                                | 0.0%                      |
| 670-00                        | Legal Services                     | 13,738            | 9,239             | 8,000             | 4,500                          | 7,500                | 7,500                              | 7,500                            | 40.0%                     |
| 675-00                        | Financial Services                 | 6,908             | 7,551             | 8,500             | 9,000                          | 9,500                | 9,500                              | 9,500                            | 5.3%                      |
| 680-00                        | Audit Fees                         | 5,850             | 6,285             | 7,000             | 9,600                          | 10,000               | 10,000                             | 10,000                           | 4.0%                      |
| 685-00                        | Miscellaneous Cost                 | 2,655             | 1,486             | 5,000             | 2,100                          | 7,418                | 7,418                              | 7,418                            | 71.7%                     |
| 686-00                        | Meeting Expense / Web              | 388               | 141               | 1,150             | 0                              | 2,500                | 2,500                              | 2,500                            | 100.0%                    |
|                               | <b>Total Material and Services</b> | <b>1,068,742</b>  | <b>1,175,285</b>  | <b>1,404,060</b>  | <b>1,396,908</b>               | <b>1,388,371</b>     | <b>1,388,371</b>                   | <b>1,388,371</b>                 | <b>-0.6%</b>              |
| Account #                     | Account Description                | Actual<br>FY17/18 | Actual<br>FY18/19 | Budget<br>FY19/20 | Estimated<br>Final<br>FY 19/20 | Proposed<br>FY 20/21 | Approved by<br>Budget<br>Committee | Adopted by<br>Governing<br>Board | Increase from<br>FY 19/20 |
| 683-00                        | Capital Reserve                    | 0                 | 0                 | 100,000           | 0                              | 150,000              | 150,000                            | 150,000                          | 100.0%                    |
| 703-00                        | Capital Outlay                     | 10,587,245        | 19,521,250        | 31,500,000        | 28,116,191                     | 15,800,000           | 15,800,000                         | 15,800,000                       | -78.0%                    |
| 795-00                        | Debt Service                       | 93,688            | 93,688            | 0                 | 0                              | 0                    | 0                                  | 0                                | 0.0%                      |
| 800-00                        | Operating Contingency              | 0                 |                   | 75,000            | 0                              | 100,000              | 100,000                            | 100,000                          | 100.0%                    |
|                               | <b>Ending Fund Balance</b>         | <b>7,532,734</b>  | <b>6,442,331</b>  | <b>7,898,201</b>  | <b>1,252,328</b>               | <b>124,882</b>       | <b>124,882</b>                     | <b>124,882</b>                   | <b>-902.8%</b>            |
|                               | <b>TOTAL EXPENSE</b>               | <b>19,282,409</b> | <b>27,232,554</b> | <b>40,977,261</b> | <b>30,765,428</b>              | <b>17,563,253</b>    | <b>17,563,253</b>                  | <b>17,563,253</b>                | <b>-75.2%</b>             |

# CLACKAMAS COUNTY 800 MHZ RADIO SYSTEM

## Cost Allocation FY 20/21

May 20, 2020

| PARTNER AGENCIES              | Attention      | TOTAL<br>VOICE<br>RADIOS<br>FY 20/21 | Annual<br>Operating<br>Cost per<br>voice radio<br>@ | Increase from<br>FY 19/20 |             | FY 19/20<br>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           |
| <b>TOTAL</b>                  |                | <b>2,456</b>                         | <b>1,049,200</b>                                    | <b>40,940</b>             | <b>4.1%</b> | <b>1,008,260</b> |



# CLACKAMAS COUNTY 800 MHZ RADIO SYSTEM

## Cost Allocation FY 20/21

May 20, 2020

| MEMBER AGENCIES           | Attention          |                                                                              | TOTAL<br>VOICE<br>RADIOS<br>FY 20/21 | Annual<br>Operating<br>Cost per<br>voice radio<br>@ | Increase from<br>FY 19/20 |             | FY 19/20<br>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       | <a href="mailto:cathyphe@co.clackamas.or.us">cathyphe@co.clackamas.or.us</a> | 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              |
| <b>TOTAL</b>              |                    |                                                                              | <b>160</b>                           | <b>68,800</b>                                       | <b>4,730</b>              | <b>7.4%</b> | <b>64,070</b>    |

2,616

|       |  |  |     |   |
|-------|--|--|-----|---|
| CCOM  |  |  | 169 | 0 |
| LOCOM |  |  | 34  | 0 |

# COUNTY

# 800 MHz RADIO

## NUMBER OF PUBLIC SAFETY RADIOS

May 20, 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           |
|                          |              |
| <b>Total Partners</b>    | <b>2,456</b> |

|             |              |
|-------------|--------------|
| 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           |
|             |              |
| <b>2389</b> | <b>1,195</b> |

| 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          |
| <b>Total Members</b>     | <b>160</b> |

|            |           |
|------------|-----------|
|            |           |
| 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         |
| <b>154</b> | <b>77</b> |

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

|                       |              |
|-----------------------|--------------|
| <b>TOTAL BILLABLE</b> | <b>2,616</b> |
|-----------------------|--------------|

|      |      |
|------|------|
| 2543 | 1272 |
|------|------|

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

May 20,2020

|    |                          |                      |
|----|--------------------------|----------------------|
| 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                 | 30,510.78            |
|    | Day Hill                 | 9,460.00             |
| 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        |
|    |                          |                      |
|    | <b>Total</b>             | <b>\$ 212,511.58</b> |

For 2021 added for April 2020 thru Dec 2020 @ \$1,050 per month = \$9450

|   | 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<br>4/20/3033<br>4/20/2038<br>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 Rolland 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<br>8/26/2018<br>8/26/2023              |

|    |                                                                                                                               |                                                                             |                                                                                                                              |                                                                              |              |               |                                                                                  |
|----|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------|---------------|----------------------------------------------------------------------------------|
| 7  | BBS Property Mgmt<br>Lewis Snader<br>918 Schaeffer Rd West<br>Linn, OR 97068 (503)<br>705-7994                                | Pete's Mountain<br>1775 Schaeffer Rd West<br>Linn                           | \$12,000 per year / 2%<br>per year escalation -<br>Due January 1 /<br>Increased by \$5,200<br>per year 2019 for<br>expansion | Signed 8/7/01 10<br>yrs w/ 2 5yr<br>options - 2019<br>added 6 5yr<br>options | \$22,442.95  | Jan 1, 2021   | 7/6/2021<br>7/6/2026<br>7/6/2031<br>7/6/2036<br>7/6/2041<br>7/6/2046<br>7/6/2051 |
| 8  | Boring Water Dist<br>PO Box 66<br>Boring, OR 97009<br>(503) 663-4594<br>Larry Alexander                                       | Polivka Hill Water Tank<br>26230 Wally Rd<br>Boring                         | \$4,800 per year 2%<br>per year escalation<br>Due January 1                                                                  | Signed 8/7/01 10<br>years w/ 2 - 5yr<br>options                              | \$7,132.55   | Jan 1, 2021   | 7/30/2011<br>7/30/2016<br>7/30/2021                                              |
| 9  | Darren Mc Ara/Tami McAra<br>/Brenda Tinjurn/Robert Lux<br>3516 Kelso Rd Boring, OR<br>97009                                   | Sandy<br>38275 Marcy St Sandy, OR<br>97055                                  | \$12,000 Per Year 3%<br>per year escalation /<br>Due Jan 1                                                                   | Signed<br>9/19/2016 10<br>years w/ 4 - 5<br>year options                     | \$13,506.11  | Jan 1, 2021   | 9/1/2026<br>9/1/2031<br>9/1/2036<br>9/1/2041                                     |
| 10 | Oak Lodge Water District<br>14496 SE River Road,<br>Milwaukie OR 97267<br>(503) 654-7765<br>Katherine Willis                  | View Acres<br>4410 SE View Acres<br>Milwaukie                               | \$25,000 per year /1%<br>per year escalation                                                                                 | Signed 3/26/18<br>20 years w/ 2 -<br>5yr options                             | \$ 25,502.50 | June 30, 2020 | 7/1/2037<br>7/1/2042<br>7/1/2047                                                 |
| 11 | US Dept of Interior<br>Salem Dist Office<br>1717 Fabry Stree SE<br>Salem 97306                                                | Brightwood<br>WM T2S R6E S14 SW1/4<br>NE1/4 SE1/4 NE1/4                     | \$0                                                                                                                          | Signed 5/1/06<br>20 years request<br>new lease in<br>2025                    | \$0.00       |               | 4/1/2026                                                                         |
| 12 | US Dept of Interior<br>Salem Dist Office<br>1717 Fabry Stree SE<br>Salem 97306                                                | Crutcher Bench                                                              | \$0                                                                                                                          | Signed 2/1/18<br>25 years request<br>a new lease in<br>2043                  | \$0.00       |               | 12/31/2043                                                                       |
| 13 | US Dept of Agriculture<br>Forest Service Mt Hood<br>National Forest 16400<br>Champion Way<br>Sandy, OR 97055                  | Tom Dick & Harry                                                            | \$0                                                                                                                          |                                                                              | \$0.00       |               |                                                                                  |
| 14 | State of Oregon<br>Department of Forestry<br>North Cascade District<br>22965 N Fork Road SE<br>Lyons, OR 97358<br>Gregg Cline | Lenhart Butte<br>Tax lot 400 SW1/4 of<br>NW1/4 of SW1/4 of S35<br>T2S R5 WM | \$0                                                                                                                          | Signed<br>8/11/05<br>10 years w/ 5<br>year extensions                        | \$ -         |               | 7/11/2015<br>7/11/2020<br>7/11/2025                                              |
| 15 | US Dept of Agriculture<br>Forest Service Mt Hood<br>National Forest 16400<br>Champion Way<br>Sandy, OR 97055                  | Timberline<br>WM S6, T 3S, R 9E                                             | \$0                                                                                                                          | Signed<br>10/21/2013<br>29 years request<br>new lease in<br>2040             | \$ -         |               | 1/1/2042                                                                         |
| 16 | Zimmer Family Limited Trust<br>28485 S Sundowner Court<br>Canby, OR 97013                                                     | Canby<br>Parcel # 00797828<br>Canby, OR 97013                               | \$12,000 Per Year 3%<br>per year escalation /<br>Due Jan 1                                                                   | Signed<br>7/29/2016<br>10 years w/ 4 - 5<br>year options                     | \$13,506.11  | Jan 1, 2021   | 8/1/2026<br>8/1/2031<br>8/1/2036<br>8/1/2041                                     |
| 17 | Cascade Utilities Inc d/b/a<br>Reliance Connects PO Box<br>189 Estacada, OR<br>97023                                          | 23151 S. Day Hill Road<br>Estacada, OR 97023                                | \$15,000 per year w/ a<br>3% adjustment anually                                                                              | Signed<br>7/13/15<br>10Years w/ 4<br>5 year options                          | \$30,510.78  | Jan 1, 2021   | 1/1/2025                                                                         |
| 18 | US Dept of Interior<br>Salem Dist Office<br>1717 Fabry Stree SE<br>Salem 97306                                                | Highland Butte                                                              | \$0                                                                                                                          | Signed 2/1/18<br>29 years request<br>a new lease in<br>2047                  | \$0.00       |               | 12/31/2047                                                                       |

|    |                                                                                                                        |                                                                                              |                                                             |                                                        |               |               |                                                                      |
|----|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------|---------------|---------------|----------------------------------------------------------------------|
| 19 | Ruth E Staats Trust<br>20062 S. Redland Rd<br>Oregon City, OR 97045<br>971 563-1983<br>3RVision@gmail.com David Staats | Redland Road<br>20062 S. Redland Rd<br>Oregon City                                           | \$9,600 per year 2%<br>per year escalation<br>Due January 1 | Signed 8/30/01<br>10 years w/ 2 -<br>5yr options       | \$20,400.00   | Jan 1, 2021   | 7/30/2011<br>7/30/2016<br>7/30/2021                                  |
| 20 | US Dept of Agriculture<br>Forest Service Mt Hood<br>National Forest 16400<br>Champion Way<br>Sandy, OR 97055           | Memaloose                                                                                    | \$0                                                         |                                                        | \$0.00        |               |                                                                      |
| 21 | US Dept of Agriculture<br>Forest Service Mt Hood<br>National Forest 16400<br>Champion Way<br>Sandy, OR 97055           | Oak Grove Butte                                                                              | \$0                                                         |                                                        | \$0.00        |               |                                                                      |
| 22 | US Dept of Agriculture<br>Forest Service Mt Hood<br>National Forest 16400<br>Champion Way<br>Sandy, OR 97055           | Whale Head                                                                                   | \$0                                                         |                                                        | \$0.00        |               |                                                                      |
| 23 | Weyerhaeuser Company<br>37904 Brewster Road<br>Lebanon, OR 97355 Attn:<br>Land Use Manager                             | Goat Mt.<br>T55 R2E Sect 7<br>Lots 3900 & 4000                                               | \$12,000 per year 5%<br>per year escalation<br>Due July 29  | Signed 10/23/02<br>10 years w/ 2 -<br>5yr options      | \$ 28,879.43  | July 29, 2020 | 9/22/2012<br>9/22/2017<br>9/22/2022                                  |
| 24 | Molalla Fire District<br>320 N Molalla Ave<br>Molalla, OR 97038<br>Stafford                                            | Viince<br>Sawtell<br>36715 S Sawtell RD<br>Molalla, OR 97038                                 | \$0                                                         | Signed<br>6/6/16<br>5 years w/ 5- 5<br>year extensions | \$0.00        |               | 6/6/2021<br>5/5/2026<br>5/5/2031<br>5/5/2036<br>5/5/2041<br>5/5/2046 |
| 25 | City of Lake Oswego<br>351 1st Street<br>Lake Oswego, OR 97037<br>(503) 635-0252<br>Leslie Taylor                      | Neer Rd                                                                                      |                                                             |                                                        | \$ -          |               |                                                                      |
| 26 | Clackamas County<br>901 Main St,<br>Oregon City, OR 97045<br>(503) 655-8581<br>County Administrator                    | CCOM Prime Site<br>2200 Kaen Rd,<br>Oregon City                                              | \$0<br>County Owned<br>Property                             | No Lease                                               | \$0.00        |               | None                                                                 |
| 27 | Hoodland Fire                                                                                                          | Brightwood Station                                                                           |                                                             |                                                        |               |               |                                                                      |
| 28 | City of Lake Oswego<br>351 1st Street<br>Lake Oswego, OR 97037<br>(503) 635-0252<br>Leslie Taylor                      | LOCOM Dispatch Site<br>351 1st Street<br>Lake Oswego                                         | \$0<br>City Owned Property                                  | No Lease                                               | \$0.00        |               | None                                                                 |
| 29 | WCCCA PO<br>Box 6375 Beaverton,<br>OR 97007 (503) 690-<br>4911 ext 272 Dave Austin                                     | WCCCA Site - Canterbury<br>Lane - Share<br>Lease/Maintenance Costs<br>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<br>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<br>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<br>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<br>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 |
|                          | \$ | 379.62    | SubLease Re' \$ (93,863)<br>Maint. Rev \$ (13,000)<br>WCCCA to Recover \$1,709,320 | C800 Cost<br>FY 20/21 \$758,217<br>Qtrly Bills \$189,554<br>Per Radio \$ 281.86 | \$866,769<br>\$216,692 | -12.52%<br>-12.52% | Newberg PD<br>FY 19/20 \$ 31,074<br>Qtrly Bills \$ 7,769 |        |
| 1/12/2018 RADIO COUNTS   |    |           |                                                                                    |                                                                                 |                        |                    |                                                          |        |
| WCCCA                    |    | 4,175     | 60.0%                                                                              |                                                                                 |                        |                    |                                                          |        |
| C800                     |    | 2,690     | 38.7%                                                                              |                                                                                 |                        |                    |                                                          |        |
| Newberg PD               |    | 88        | 1.3%                                                                               |                                                                                 |                        |                    |                                                          |        |
| Total System Radio Count |    | 6,953     | 100.0%                                                                             |                                                                                 |                        |                    |                                                          |        |



# RADIO PROJECT STATUS

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## Emergency Communication System Upgrade

C800 Project Leader: John Hartsock

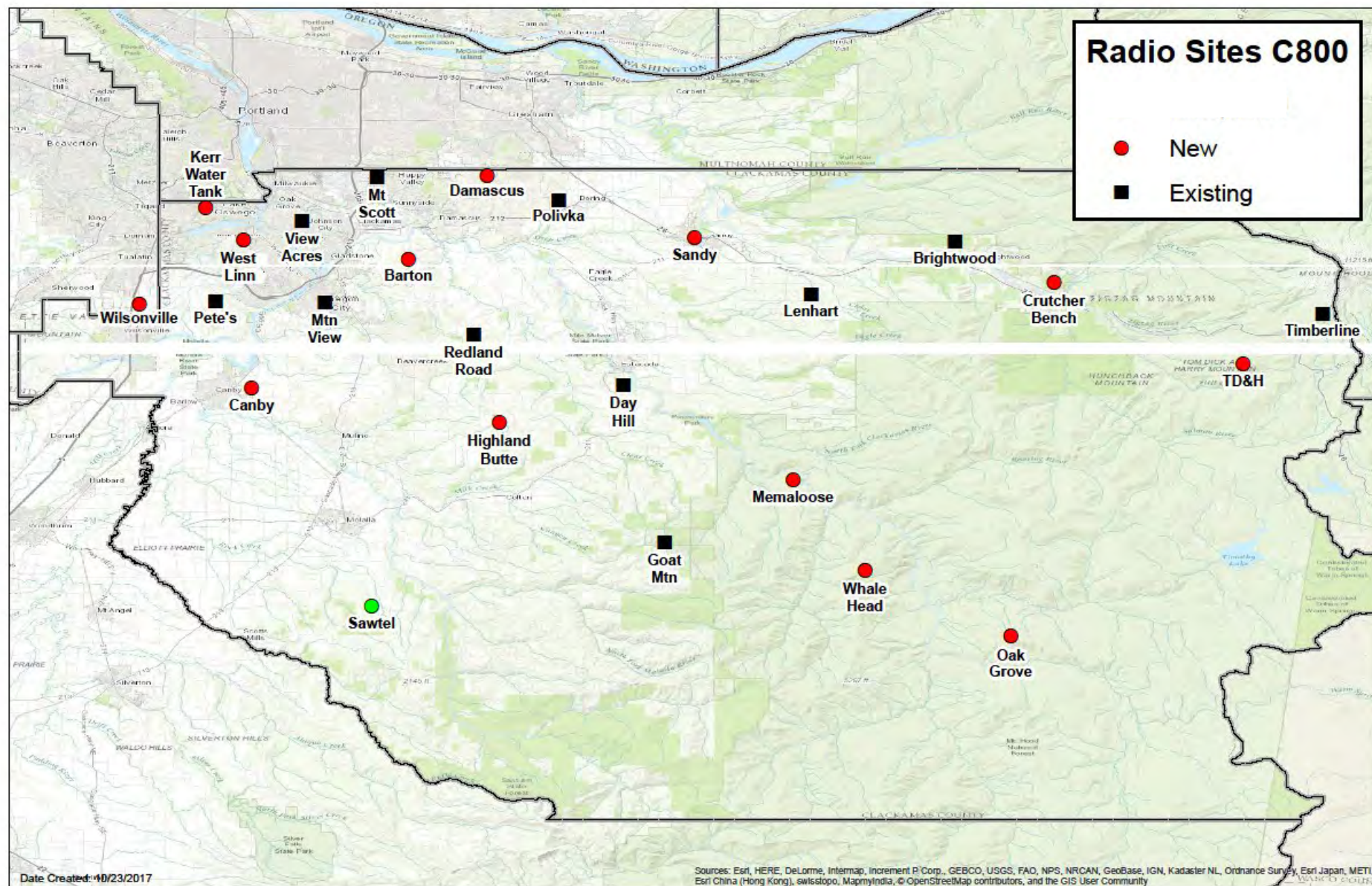
WCCCA Project Leader: Ron Polluconi

C800 Project Manager: Bjorn Morfin

Date: June 17, 2020



# C800 Site Locations



# Project Status New Sites Summary

## 14 New Sites Acquisition / Design / Construction:

- **Barton / Canby / Crutcher Bench / Damascus / Highland Butte / Hoodland Fire / Sandy / Wilsonville :** Complete.
- **Tom Dick & Harry / Memaloose / Whale Head / Oak Grove (USFS):**  
Memaloose – Construction 90% complete – turn over June 30.  
Whalehead – Construction 40% complete – turn over July 31  
Oak Grove – Construction 10% complete – turn over August 31  
TD&H - Awaiting USFS final approval / Ski Bowl easement  
anticipate construction start mid-July
- **West Linn: ODOT:** Lease approved / document anticipated by June 30. County land use approval anticipated by June 30.  
Building permits to be submitted by June 19, 2020. Bids due on June 23.
- **Kerr Parkway Water Tank:** Researching alternative locations.

# Project Status Existing Sites Summary

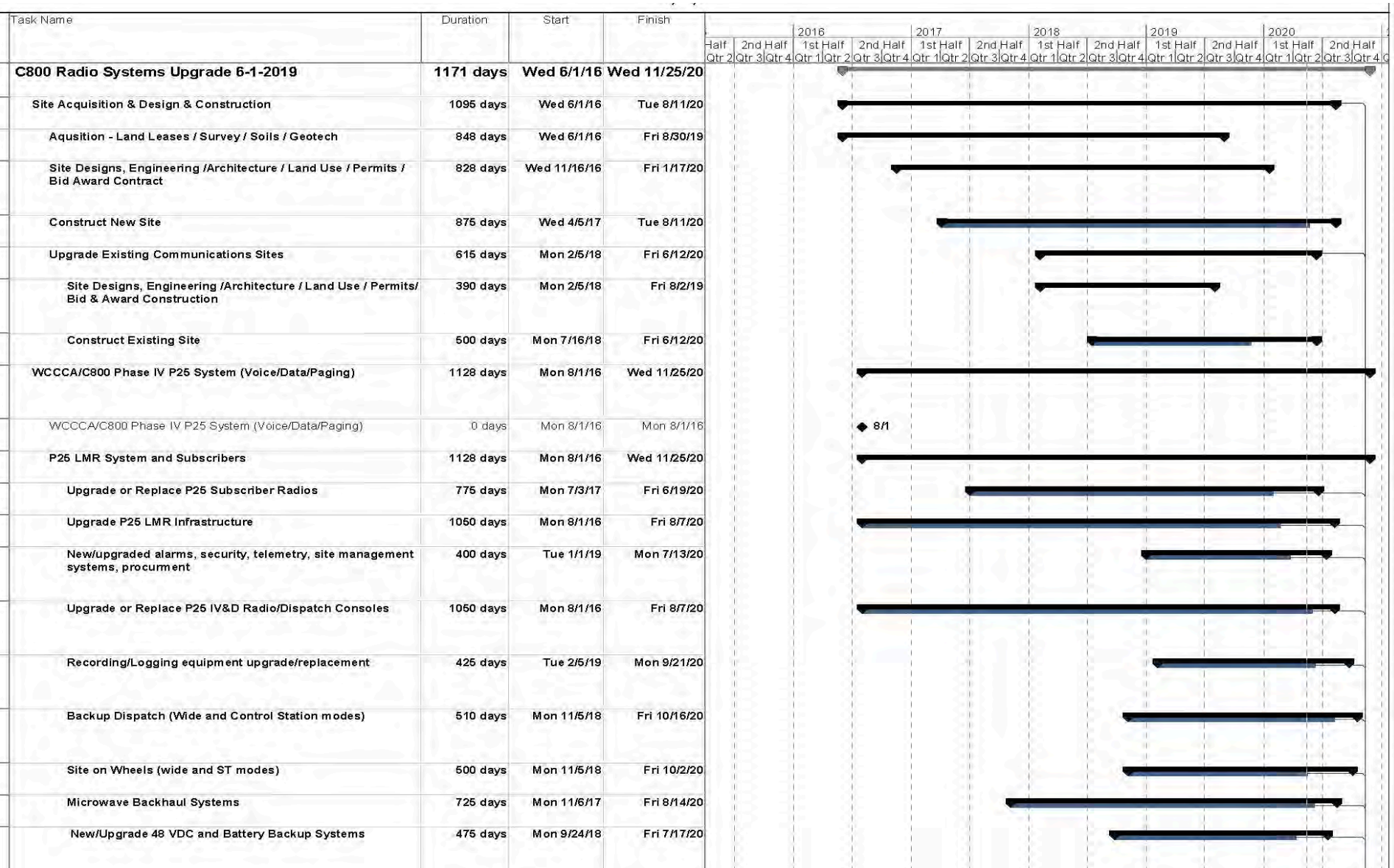
## 13 Existing Sites Design / Construction

- **Brightwood / Day Hill / Lenhart / Mt. Scott / Mt. View / Pete's / Polivka / Redland Rd / Sawtell / View Acres :** 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 has resumed construction. Anticipate completion June 30 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 underway.





# Project Schedule



# Project Schedule

| ID  | Task Name                                     | Duration | Start        | Finish       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|-----|-----------------------------------------------|----------|--------------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|     |                                               |          |              |              | 2016     |          | 2017     |          | 2018     |          | 2019     |          | 2020     |          |          |          |          |          |          |          |
|     |                                               |          |              |              | 1st Half | 2nd Half | 1st Half | 2nd Half | 1st Half | 2nd Half | 1st Half | 2nd Half | 1st Half | 2nd Half | 1st Half | 2nd Half | 1st Half | 2nd Half | 1st Half | 2nd Half |
|     |                                               |          |              |              | Qtr 1    | Qtr 2    | Qtr 3    | Qtr 4    | Qtr 1    | Qtr 2    | Qtr 3    | Qtr 4    | Qtr 1    | Qtr 2    | Qtr 3    | Qtr 4    | Qtr 1    | Qtr 2    | Qtr 3    | Qtr 4    |
| 80  | Paging, Messaging Systems upgrade/replacement | 660 days | Mon 2/5/18   | Fri 8/14/20  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 89  | IP based Fire Station Alerting System         | 550 days | Mon 6/4/18   | Fri 7/10/20  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 96  | Video and Security systems                    | 300 days | Mon 6/17/19  | Fri 8/7/20   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 103 | Interoperable RF Systems and Links            | 648 days | Mon 6/4/18   | Wed 11/25/20 |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 110 |                                               |          |              |              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 112 | System Operational November 25, 2020          | 0 days   | Wed 11/25/20 | Wed 11/25/20 |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |

- New Site Design & Construction complete: August 2020
- Existing Sites Upgrade complete: February 2020 (except Goat – June 2020)
- System Operational Date: November 2020

# C800 Radio System Upgrade Budget <sup>(1)</sup>

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

| Item                                                                    | Budget            | Original Encumbrance | Additional Encumbrance / Change Order | Estimate to Complete | Percent Complete | Estimated Total   | (Over) Under Budget | Expended             |
|-------------------------------------------------------------------------|-------------------|----------------------|---------------------------------------|----------------------|------------------|-------------------|---------------------|----------------------|
| <b>Soft Cost</b>                                                        |                   |                      |                                       |                      |                  |                   |                     |                      |
| 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              | 258,800                               | 25,000               | 88.71%           | 605,050           | (285,050)           | 536,715.86           |
| Site Planning A&E - Cushing/Capital/Cundiff/Forensic/KPFF/SD C/ToddHess | 725,000           | 692,391              | 468,930                               | (230,000)            | 97.01%           | 931,321           | (206,321)           | 903,466.70           |
| Geotechnical / Environmental Consulting - Black Mtn                     | 250,000           | 443,670              | 60,000                                |                      | 97.40%           | 503,670           | (253,670)           | 490,565.22           |
| Survey - McKay                                                          | 75,000            | 129,835              | 25,000                                | 0                    | 74.24%           | 154,835           | (79,835)            | 114,945.00           |
| 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             |
| Testing & Inspection (In Site Const)                                    | 40,000            | 2,700                | 0                                     | 0                    | 97.18%           | 2,700             | 37,300              | 2,623.75             |
| Project Management                                                      | 300,000           | 296,000              | 255,000                               | 25,000               | 93.26%           | 576,000           | (276,000)           | 537,158.95           |
| 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               | 90.80%           | 108,000           | (78,000)            | 98,065.38            |
| <b>Sub-Total Soft Cost</b>                                              | <b>1,956,000</b>  | <b>2,119,546</b>     | <b>1,162,730</b>                      | <b>(157,180)</b>     | <b>93.12%</b>    | <b>3,125,096</b>  | <b>(1,169,096)</b>  | <b>2,910,156</b>     |
| <b>Construction Cost</b>                                                |                   |                      |                                       |                      |                  |                   |                     |                      |
| Site Construction                                                       | 8,895,000         | 11,916,753           | 1,583,247                             | 500,000              | 87.09%           | 14,000,000        | (5,105,000)         | 12,193,255.38        |
| Buildings                                                               | 1,350,000         | 2,018,663            | 0                                     | (130,000)            | 94.29%           | 1,888,663         | (538,663)           | 1,780,818.40         |
| Towers                                                                  | 660,000           | 1,383,357            | 0                                     | 300,000              | 96.54%           | 1,683,357         | (1,023,357)         | 1,625,083.31         |
| Generator                                                               | 500,000           | 513,196              | 150,000                               |                      | 91.57%           | 663,196           | (163,196)           | 607,311.21           |
| 48VDC                                                                   | 1,065,000         | 1,443,767            | 0                                     |                      | 81.77%           | 1,443,767         | (378,767)           | 1,180,581.83         |
| Lake Oswego Antenna                                                     | 18,000            | 17,500               | 0                                     | 0                    | 100.07%          | 17,500            | 500                 | 17,511.75            |
| <b>Sub-Total Construction Cost</b>                                      | <b>12,488,000</b> | <b>17,293,236</b>    | <b>1,733,247</b>                      | <b>670,000</b>       | <b>88.36%</b>    | <b>19,696,483</b> | <b>(7,208,483)</b>  | <b>17,404,561.88</b> |



# C800 Radio System Upgrade Budget (2)

|                  |                                  |               |                 |
|------------------|----------------------------------|---------------|-----------------|
| Project:         | <b>C800 Radio System Upgrade</b> |               |                 |
| Date Original:   | 10/1/2015                        | Date Updated: | May 31, 2020 JH |
| Project Manager: | Bjorn Morfin                     |               |                 |

| Item                            | Budget            | Original Encumbrance | Additional Encumbrance / Change Order | Estimate to Complete | Percent Complete | Estimated Total   | (Over) Under Budget | Expended             |
|---------------------------------|-------------------|----------------------|---------------------------------------|----------------------|------------------|-------------------|---------------------|----------------------|
| <b>Equipment Costs</b>          |                   |                      |                                       |                      |                  |                   |                     |                      |
| Simulcast Equipment             | 20,726,000        | 19,993,440.00        | 672,036                               | 300,000              | 88.76%           | 20,965,476        | (239,476)           | 18,808,768.65        |
| Paging                          | 373,000           | 269,228.00           |                                       | 75,000               | 97.32%           | 344,228           | 28,772              | 336,019.49           |
| Subscriber Radios               | 5,000,000         | 9,409,958.00         | 265,032                               | 75,000               | 34.46%           | 9,779,980         | (4,779,980)         | 3,369,966.72         |
| Asset Management                | 119,000           | 203,197.00           |                                       | 25,000               | 0.00%            | 228,197           | (109,197)           | 0.00                 |
| Post Warranty / System Refresh  | 5,800,000         | 5,812,058.00         |                                       | 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         | 2,671,467.00         | 583,263                               | 75,000               | 88.55%           | 3,329,730         | 38,270              | 2,948,376.76         |
| Security System                 | 1,384,000         |                      |                                       | 700,000              | 0.15%            | 700,000           | 684,000             | 1,079.96             |
| Fire Station Alerting           | 0                 | 1,697,407            | (7,261)                               | 25,000               | 88.56%           | 1,715,146         | (1,715,146)         | 1,484,582.24         |
| <b>Subtotal Equipment Costs</b> | <b>36,850,000</b> | <b>40,056,755</b>    | <b>1,543,070</b>                      | <b>1,375,000</b>     | <b>75.76%</b>    | <b>42,974,825</b> | <b>(6,124,825)</b>  | <b>32,559,852</b>    |
| Bond Cost                       | 300,000           | 290,372              | 33,200                                | 0                    | 99.99%           | 323,572           | (23,572)            | 323,547              |
| <b>Subtotal Project Cost</b>    | <b>51,594,000</b> | <b>59,759,908</b>    | <b>4,472,247</b>                      | <b>1,887,820</b>     | <b>80.46%</b>    | <b>66,119,976</b> | <b>(14,525,976)</b> | <b>53,198,118</b>    |
| <b>Additional Proceeds</b>      | <b>7,584,900</b>  |                      |                                       |                      |                  |                   | <b>7,584,900</b>    |                      |
| <b>Adjusted Project Costs</b>   | <b>59,178,900</b> | <b>59,759,908</b>    | <b>4,472,247</b>                      | <b>1,887,820</b>     | <b>80.46%</b>    | <b>66,119,976</b> | <b>(6,941,076)</b>  |                      |
| <b>Contingency</b>              | <b>7,406,000</b>  |                      |                                       | <b>450,000</b>       | <b>0.00%</b>     | <b>450,000</b>    | <b>6,956,000</b>    |                      |
| <b>Total Project Cost</b>       | <b>66,584,900</b> | <b>59,759,908</b>    | <b>4,472,247</b>                      | <b>2,337,820</b>     | <b>79.91%</b>    | <b>66,569,976</b> | <b>14,925</b>       | <b>53,198,117.56</b> |

|                            |                   |                           |
|----------------------------|-------------------|---------------------------|
| <b>Bond Proceeds</b>       | 5,845,000         | Taxable                   |
|                            | 53,155,000        | Non Taxable               |
|                            | <b>59,000,000</b> |                           |
| <b>Additional Proceeds</b> | 4,909,900         | Subscriber Radio Payments |
|                            | 2,675,000         | PGE Payment               |
|                            | <b>7,584,900</b>  |                           |
| <b>Total Proceeds</b>      | <b>66,584,900</b> |                           |

|                              |                  |
|------------------------------|------------------|
| <b>Premium Bond Proceeds</b> | <b>7,165,794</b> |
| <b>Interest Income</b>       | <b>1,000,000</b> |
| <b>Additional Funds</b>      | <b>8,165,794</b> |
| <b>County oversight fees</b> | <b>(100,000)</b> |
| <b>Total Available</b>       | <b>8,065,794</b> |



# Q3 - 2020 Quarterly Outlook

|                                                                                      | <b>C800</b>                                                                                                                                                                                                      |
|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Procurement</li></ul>                        | <ul style="list-style-type: none"><li>• Bid and award security/CCTV system / West Linn Radio Site / existing tower antenna relocation</li></ul>                                                                  |
| <ul style="list-style-type: none"><li>• Leases &amp; Land Use Applications</li></ul> | <ul style="list-style-type: none"><li>• Finalize West Linn lease</li></ul>                                                                                                                                       |
| <ul style="list-style-type: none"><li>• Site Construction</li></ul>                  | <ul style="list-style-type: none"><li>• Whalehead / Oak Grove Butte / Memaloose / Tom Dick &amp; Harry / Goat Mt / West Linn</li></ul>                                                                           |
| <ul style="list-style-type: none"><li>• Radio / Microwave</li></ul>                  | <ul style="list-style-type: none"><li>• Continue radio infrastructure install</li><li>• Continue microwave system install</li><li>• Finalize subscriber radio distribution and existing radio upgrades</li></ul> |

# Project Goal:

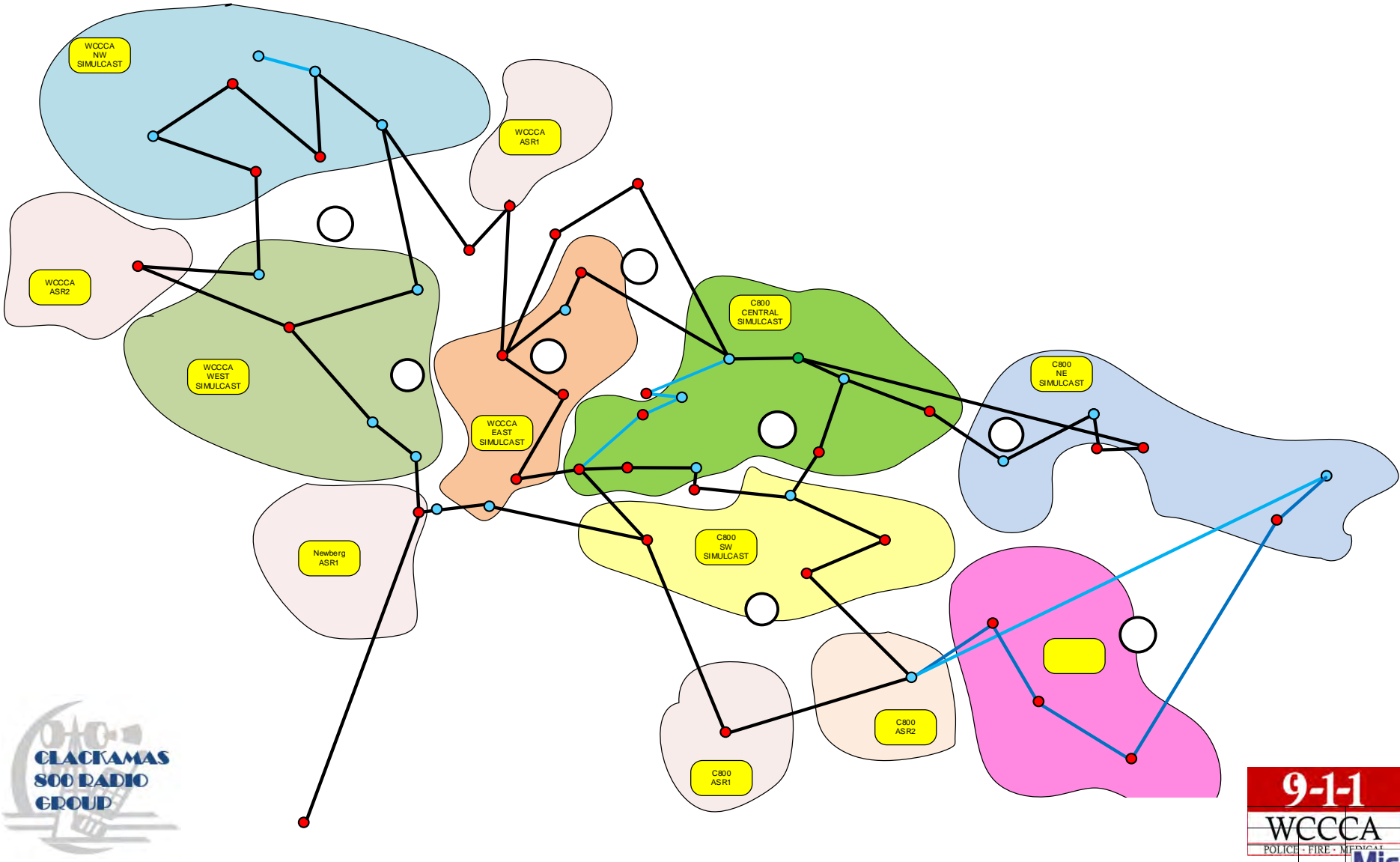
To create an efficient, dependable public safety radio communications system that works in all parts of Clackamas County!

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



# Site Connectivity:

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





# MEMALOOSE





## WHALEHEAD





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

## **Board of Directors Information Item**

**To:** C800 Board of Directors  
**From:** John Hartsock, Manager  
**Date:** June 17, 2020  
**Re:** Update of Mutual Aid Radios for South County Fire Agencies

At the May C800 Board Meeting staff was requested to research the issue of Mutual Aid radios for South County Fire Agencies. On May 24<sup>th</sup> a poll was sent to all fire agencies requesting input on the issue. The following are the listing of the current mutual aid radios and the recommendation for the new system.

It was noted by Chief Budge at Woodburn Fire that the North Marion County Fire District's have applied for a joint AFG grant for dual band radios. If the grant is successful, the C800 mutual aid radios will not be required.

| <b>Agency</b> | <b>Current</b> | <b>Aurora</b> | <b>Woodburn</b> | <b>Molalla</b> | <b>Recommend</b> |
|---------------|----------------|---------------|-----------------|----------------|------------------|
| Monitor       | 20             |               |                 | 8              | 8                |
| ODFW          | 13             |               |                 |                | 13               |
| Silverton     | 5              |               |                 |                | ?                |
| USFS          | 15             |               |                 |                | 15               |
| Woodburn      | 2              | 5             | 3               |                | ?                |
| Hubbard       | 0              | 3             |                 |                | 3                |
| St Paul       | <u>0</u>       | <u>3</u>      |                 |                | <u>?</u>         |
| <b>Total</b>  | <b>55</b>      |               |                 |                |                  |







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:** June 13, 2020  
**Re:** Approve a Contract Change Order to Summit Solutions Group for Additional Work at Goat Mtn.

**REQUEST:** It is hereby requested that the C800 Board of Directors approve issuing a contract change order in the amount of \$191,269 for additional work at the Goat Mtn site.

**DESCRIPTION:** In May of 2019 the Board awarded a contract to Summit Solutions Group based on a competitive bid for the construction upgrades of the Goat Mtn tower. After the initial design and bidding for this project the tower loading was revised to accommodate a higher antenna load. This created the need for significant upgrades to the existing tower. After a review of replacing the tower it was determined that the upgrades would be more cost effective. Winter weather conditions also caused delay and some additional costs.

SecuraSite, our project and construction manager has thoroughly reviewed the proposed charges and recommends approval of the Change Order.

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

**LEGAL:** A C800 contract change order will be utilized as approved by legal counsel.

**RECOMMENDATION:** It is hereby recommended that the C800 Board of Directors approve issuing a contract change order in the amount of \$191,269 for additional work at the Goat Mtn site.





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## **Board of Directors Action Request**

**To:** C800 Board of Directors  
**From:** John Hartsock, Manager  
**Date:** May 20, 2020  
**Re:** Approve a Contract Change Order to Summit Solutions for Additional Work at Wilsonville.

**REQUEST:** It is hereby requested that the C800 Board of Directors approve issuing a contract change order in the amount of \$116,377 for additional work at the Wilsonville site.

**DESCRIPTION:** In September of 2017 the Board awarded a contract to Summit Solutions based on a competitive bid for the construction of the Wilsonville site. This site was delayed from 2017 until 2019 due to site acquisition issues which caused some material and labor escalation costs. The City of Wilsonville, landlord, added additional conditions for fencing. PGE revised service conduit requirements. Washington County required additional access road improvements.

SecuraSite, our project and construction manager has thoroughly reviewed the proposed charges and recommends approval of the Change Order.

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

**LEGAL:** A C800 contract change order will be utilized as approved by legal counsel.

**RECOMMENDATION:** It is hereby recommended that the C800 Board of Directors approve issuing a contract change order in the amount of \$116,377 for additional work at the Wilsonville site.