

CLACKAMAS C800 RADIO GROUP

BOARD OF DIRECTORS MEETING

February 19, 2020 / 9:00AM

Meeting to be held at: CCOM/Disaster Management EOC - 2200 Kaen Rd Oregon City

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

1. Call the C800 / Board of Directors meeting to Order -Chair Sue Scobert
2. Roll Call of Partners: (19/10)
 - a. City of Canby
 - b. City of Gladstone
 - c. City of Lake Oswego
 - d. City of Milwaukie
 - e. City of Molalla
 - f. City of Oregon City
 - g. City of Sandy
 - h. City of West Linn
 - i. Aurora Fire District
 - j. Canby Fire District
 - k. Clackamas County Fire District #1
 - l. Colton Fire District
 - m. Estacada Fire District
 - n. Hoodland Fire District
 - o. Molalla Fire District
 - p. Sandy Fire District
 - q. Tualatin Valley Fire & Rescue
 - r. Clackamas County Sheriff
 - s. Clackamas County Health
3. *Approval of Minutes of January 22, 2020 Board Meeting - Sue Scobert
4. Public Comment - Sue Scobert
5. Communications - John Hartsock
6. Financial Report - January 2020 - John Hartsock
7. Committee Reports
 - a. Executive Committee - Sue Scobert
 - b. Technical Committee - John Hartsock
 - c. Citizen Accountability - John Hartsock - Next Meeting April 21, 2020 Oregon City Library
8. Old Business: (* Action Item)
 - a. System Management: - Curtis Floyd
 - b. System Upgrade/Replacement
 - i. Project Status / Procurement - Bjorn Morfin / John Hartsock
 - ii. Fire Station Alerting / Paging - John Hartsock
 - iii. Portable/Mobile Radio Deployment - Todd Matsuo
 - iv. Portable Radio Antenna - Curtis Floyd
9. New Business: (* Action Item)
 - a. * Approval of change order with Motorola
 - b. * Approval of change order with Todd Hess Construction - Hoodland

c. **Next Board Meeting March 18, 2020 9:00A @ CCOM - EOC**

10. Open Agenda

11. Adjournment

CLACKAMAS C800 RADIO GROUP
BOARD OF DIRECTORS MEETING

Meeting Minutes of the January 22, 2020 Meeting
CCOM/Disaster Management EOC 2200 Kaen Rd Oregon City, OR 97045

- i. C800 Board Meeting Called to Order at 0900**

- ii. The following were in attendance:**

City of Gladstone / Randy Hopperstad	Molalla Fire/Vince Stafford
City of Lake Oswego / David Morris / Sue Scobert	Sandy Fire District/ Phil Schneider
City of Molalla/Frank Schoenfeld/Chris Long	TVF&R / Mark Havener
City of Oregon City/Jim Band	CCSO/James Rhodes
City of Sandy/Ernie Roberts	CCOM/Cheryl Bledsoe/Tony Collins/Toni Sexton
Aurora Fire/Greg Dyke	C800/John Hartsock/Bjorn Morfin
Canby Fire/Jim Davis	WCCCA 911/Ron Polluconi
Clackamas Fire District #1/ Mike Corless / Josh Gehrke	Clackamas County/ Kevin Moss
/ Rachel Trotman	Citizen/Chad Dahlstrom

- iii. Approval of Minutes – December 18, 2019 Board Meeting**
 - a.** Randy Hopperstad made a motion to approve the minutes of the December 18, 2019 Board meeting as submitted and the motion was seconded by Vince Stafford. A unanimous vote was cast in favor.

- iv. Public Comment:** None.

- v. Communications:** None.

- vi. Financial Report**
 - a.** John Hartsock shared that the financial information was included in the packet. He noted things were tracking on budget.

- vii. Committee Reports**
 - a. Executive Committee-Sue Scobert**
 - i.** The committee did not meet. Nothing to report.
 - b. Technical Committee-John Hartsock**
 - i.** The Committee met this morning and reviewed the project update/fire station alerting/CCOM – LOCOM cache radios/system update. John shared the next meeting would be February 26th.
 - c. Citizen Accountability- John Hartsock**
 - i.** John shared the next meeting would be April 21st. Jim Band noted he would look into the Oregon City Library for this meeting and get back to John.

- viii. Old Business:**
 - a. System Management- Ron Polluconi**
 - i.** Generally speaking, the system was hanging together and operating well.
 - ii.** Ron noted there were two sites with some issues.
 - Goat Mountain: They had collection and shedding of ice at this site and there was no damage so far. It was noted that there was a lot of ice on the microwave dishes. He reported they were getting alarms part way through the margin.
 - Timberline: Ron stated this site was more severe than Goat Mountain this year for ice and snow. He shared that Motorola had put new antennas up and the status of those antennas was unknown. He added that they physically looked intact based on photos from the ski patrol. Ron noted that other UHF and VHF antennas that were put up for new equipment,

were folded over. He explained they did not make it through the weather, so they would talk about getting something more robust.

- Ron reported that the overall impact from these two sites on the system was zero.
- iii. Ron explained that they can't predict how bad the weather will be, but they had done pretty well with the antennas so far. He added they would be keeping an eye on what Motorola puts up.
- iv. Ron stated that other than those issues, the system was operating normally.

b. System Upgrade/Replacement

i. Project Status/Procurement

- Bjorn reviewed project status:
 1. Wilsonville: Construction was underway. They were getting ready to set the power vault. They were hoping for completion by the third week of February.
 2. Highland Butte: He felt they could be done earlier than February 28th. He reported the first 80 feet of the tower was stacked. The shelter would be hauled up there tomorrow.
 3. Tom/Dick/Harry: These sites were on hold until next spring or summer.
 4. Memaloose: They continued to bore in conduit for power. He reported that half of all vaults were in. Moving along pretty good.
 5. Whalehead: Construction was underway.
 6. Oak Grove: He explained they were not doing much with this site due to weather.
 7. Cooks Butte: He reported they were still working on the replacement site. He explained they were still tracking with ODOT, slowly. He noted ODOT asked for preliminary drawings to review. He stated that Diane with the ODOT wireless group didn't have issues. He shared they are going to get an architect out there for drawings. He added he hoped for good news next month.
 8. Hoodland: They were modifying a shelter from Sandy. He reported it was looking good.
 9. Mt. Scott: He explained this site was moving along well. He stated the foundation for the building was in and they were expecting that to be done the second week of February.
 10. Goat Mountain: He explained this site was on hold pending weather.
- ii. John shared that Motorola was pushing them, because of delays, looking for a place for their equipment install crew and tower crew. John noted that starting February 1st, they will start to release those crews so they can be on top of install.
- iii. John explained they plan to have folks from Microwave Networks continue their work on the third of February, so they can get some loops turned on, which would allow Motorola to start their testing process. He stated he was hopeful they would see some radios on, at least on test basis, by the middle of February. He reported they were in good shape to bring the system up by mid-summer.
- iv. John noted that he and Ron were working on the bid documents for the camera system/alarm system for the buildings. He explained they would probably get out to bid sometime near the end of February. He stated they would like to get the existing cameras on existing sites working and the new sites up and operational.

c. Fire Station Alerting/Paging

- i. John shared US Digitl will be out for dispatcher training next week. He also noted they would be conducting the review/approval status of the stations that are done. He explained the list was moving along pretty well.

- ii. John reported they solved the issues with the electrical inspector, now meeting all the requirements.
- iii. John explained that now that some stations are done, agencies are anxious to have those up and working. He explained that once they got through training and dispatch was happy with how it worked, they could start turning stations on one by one.
- iv. Ron shared they were about 30% complete in Clackamas County.
- v. Vince Stafford asked if they would still test. John shared they would do testing.

d. Portable/Mobile Radio Deployment

- i. John reported that this was moving along on schedule. He explained that there was an issue with getting existing radios converted over, but it was getting done and Motorola was being responsive.
- ii. John noted a concern about the difference between the 700 and 800 batteries and in vehicle chargers. He explained Motorola would be going around to check on these. He reported there was a battery that would work with both, so folks don't have to change out chargers.
- iii. John shared another issue on the mobiles was the missing GPS antennas. He noted that Motorola had those antennas and would fix that if it becomes an issue.
- iv. It was noted that Canby Fire was being updated, and they would then be working their way around the county.

e. Portable Radio Antenna- Ron

- i. Ron shared they have the sample antennas. He noted they would like to get them out to folks who are willing to test them and provide feedback to Ron, in quantities of ten. He asked for folks to talk with him after the meeting if they would like samples. Ron noted that folks would be able to keep the old antennas as well, while testing the new antennas.
- ii. Ron noted that they felt the new antennas are better and the data show they are better, but they were looking for feedback from the field, before rolling out to everyone.
- iii. Ron shared they would have a limited supply of samples of the tri-band antennas near the end of February. They plan to have those evaluated first, and if they look good, they would ask for quantities and go through process of putting them out ten at a time for feedback. He explained once they got feedback that the group was comfortable with the antennas, they would order in quantity.
- iv. Ron explained they were being a little bit cautious.
- v. Ron reviewed some of the problems or concerns with the tri-band antennas.
- vi. John shared about a year ago, there was a problem with Newberg, and they didn't think it was an antenna issue; however it did end up being an antenna issue. Ron explained that there were also some problems in Hillsboro and Sherwood.
- vii. Ron described the differences in the fringe areas. He noted it would go from usable but noisy to not usable, just noisy. Group discussion followed about fringe areas.
- viii. Ron noted that the new radios, performance wise, were way better, but explained they don't always behave that way because of the antenna.

f. DVRS - Repeaters

- i. John noted that he would add a presentation next month, on the DVRS repeater units. He noted there had been a lot of discussion about them and it was a relatively complicated issue.
- ii. John shared there was a taskforce formed in Washington County to review this issue. He noted that Hillsboro Fire was doing most of the testing, and Chief Kincaid, from Forest Grove would be the one to talk to.
- iii. Ron noted it was important to remember that it would have its limitations and deployment impact.
- iv. Ron discussed coverage issues related to DVRS units.

- v. Ron stated a concern was that techs weren't provided training on the DVRS, so he took concerns to the FDB. He explained they needed a consistent strategy for deployment. He felt they needed the Fire Services group to settle on something and then they can help each other, to be able to talk on their DVRs. He shared they needed to be able to deploy in a reliable manner.
- vi. Ron noted that they hadn't had the time to engage and they didn't have clear guidance from Fire Services. He explained that Washington county was about six months ahead of Clackamas county, meeting wise.
- vii. Group discussion followed.
- ix. **New Business: (*Action Item)**
 - a. ***Approve Resolution 01-20 Workplace Harassment Policy**
 - i. John shared that SB479, required all government entities to have this policy in place. He explained this was a template out of Special Districts and that the attorney, Eileen, had also reviewed the policy.
 - ii. Vince Stafford made a motion for the C800 Board of Directors to approve Resolution 01-20, establishing the policy on Workplace Harassment. Mike Corless seconded the motion. The motion passed unanimously.
 - b. ***Approve IGA with Aurora Fire**
 - i. John noted that the Board had directed him to proceed with including Aurora Fire as a C800 partner. He shared they sent a package down, and the Aurora Fire Board approved the IGA, as well as provided a resolution. John noted this would be the final action to accept them as a full partner.
 - ii. Jim Band made a motion for the C800 Board of Directors to approve the Aurora Fire District as a Partner of the Clackamas 800 Radio Group. Jim Davis seconded the motion. The motion passed unanimously.
 - c. *** Approve Purchase Order with Primus for Paging Antennas**
 - i. John gave an overview of the purchase order.
 - ii. James Rhodes noted there was a typo in the amount printed on the request. He shared there was an extra one in the amount.
 - iii. Jim Band made a motion for the C800 Board of Directors to approve purchasing antennas and related materials for the paging system from Primus in Phoenix, AZ in the amount of \$47,209.18 plus freight estimated at \$3,000 or a total of \$50, 209.18. James Rhodes seconded the motion. The motion passed unanimously.
 - d. ***2019/2020 Budget Process/Appoint John Hartsock Budget Officer**
 - i. Sue reviewed the request.
 - ii. Mike Corless made a motion for the C800 Board of Director to accept the FY 2020/2021 budget calendar and that the Chair appoint John Hartsock as the Budget Officer. Jim Davis seconded the motion. The motion passed unanimously.
 - e. ***Approval of Insurance Renewal with Special District's Insurance Services**
 - i. John shared that he looked at aa couple other carriers and they couldn't match the rates from SDIS. He recommended to continue coverage with Special District's Insurance Services.
 - ii. Jim Band made a motion for the C800 Board of Directors to approve the renewal of the insurance coverage from Special District's Insurance Services in the amount of \$37,932.00. Mike Corless seconded the motion. The motion passed unanimously.
 - f. **Next Board Meeting**
 - i. Next meeting February 19, 2020, 9:00 AM at CCOM/EOC.
- x. **Open Agenda**
 - a. None
- xi. **Adjournment**
 - a. Meeting adjourned at 09:42 AM.

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

	Jul '19 - Jan 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	464.05	500.00	-35.95	92.8%
435-00 · Lease Revenue	50,304.75	48,140.00	2,164.75	104.5%
440-00 · Miscellaneous Income	0.00	1,000.00	-1,000.00	0.0%
450-00 · Intergovernmental-Clackamas Co	12,768,306.84	31,500,000.00	-18,731,693.16	40.5%
455-00 · Bond Interest Income	0.00	500,000.00	-500,000.00	0.0%
Total Income	13,903,123.84	40,977,261.00	-27,074,137.16	33.9%
Gross Profit	13,903,123.84	40,977,261.00	-27,074,137.16	33.9%
Expense				
605-00 · Site Rental	208,327.39	173,838.00	34,489.39	119.8%
610-00 · Fuel/Generators	8,915.39	26,000.00	-17,084.61	34.3%
615-00 · HVAC Maintenance	3,284.09	9,503.00	-6,218.91	34.6%
620-00 · Landscape Maintenance	4,710.00	14,300.00	-9,590.00	32.9%
621-00 · Office Supplies	0.00	2,000.00	-2,000.00	0.0%
625-00 · Generator Maintenance	2,642.98	12,500.00	-9,857.02	21.1%
630-00 · UPS Maintenance	4,065.00	13,500.00	-9,435.00	30.1%
635-00 · Battery Maintenance	0.00	3,000.00	-3,000.00	0.0%
645-00 · Insurance	41,049.94	35,000.00	6,049.94	117.3%
650-00 · Utilities	31,142.06	78,000.00	-46,857.94	39.9%
655-00 · Consultant Services	36,486.69	48,500.00	-12,013.31	75.2%
657-00 · Regional Radio Expense	0.00	1,500.00	-1,500.00	0.0%
660-00 · WCCCA System Fees	666,768.20	866,769.00	-200,000.80	76.9%
665-00 · Radio Maintenance Fees	13,820.38	90,000.00	-76,179.62	15.4%
667-00 · Radio Replacement Project	0.00	0.00	0.00	0.0%
670-00 · Legal Services	321.00	8,000.00	-7,679.00	4.0%
675-00 · Financial Services	3,764.99	8,500.00	-4,735.01	44.3%
680-00 · Audit Fees	9,600.00	7,000.00	2,600.00	137.1%
683-00 · Capital Reserve	0.00	100,000.00	-100,000.00	0.0%
685-00 · Miscellaneous Expenses	1,111.64	5,000.00	-3,888.36	22.2%
686-00 · Meeting Expenses	0.00	1,150.00	-1,150.00	0.0%
703-00 · Capital Outlay				
703-01 · Buildings & Land Improvement				
703-011 · Land Improvement	6,773,325.42			
703-012 · Building	360.00			
703-013 · Tower	283,161.00			
703-014 · Generator	121,776.00			
Total 703-01 · Buildings & Land Improvement	7,178,622.42			
703-02 · Radio Backbone				
703-021 · Simulcast / Master Site	4,196,473.82			
703-022 · Subscriber Radios	8,783.05			
703-024 · Paging	264,626.00			
703-025 · Back up Dispatch	1,084.00			
703-026 · Cat. 6 Fire Station Alerting	582,227.90			
Total 703-02 · Radio Backbone	5,053,194.77			
703-03 · Equipment				
703-032 · DC Power	250,019.67			
703-034 · Microwave	358,415.95			
703-036 · Fire Station Alerting	577,696.74			
Total 703-03 · Equipment	1,186,132.36			
703-04 · Capital Outlay Service	0.00	0.00	0.00	0.0%
703-00 · Capital Outlay - Other	0.00	31,500,000.00	-31,500,000.00	0.0%
Total 703-00 · Capital Outlay	13,417,949.55	31,500,000.00	-18,082,050.45	42.6%

6:21 PM

02/10/20

Accrual Basis

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

	Jul '19 - Jan 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	14,453,959.30	40,977,261.00	-26,523,301.70	35.3%
Net Ordinary Income	-550,835.46	0.00	-550,835.46	100.0%
Net Income	-550,835.46	0.00	-550,835.46	100.0%

Clackamas 800 Radio Group
Profit & Loss Detail

January 2020

Accrual Basis

Type	Date	Num	Name	Memo	Class	Amount	Balance
Ordinary Income/Expense							
Income							
431-00 · Interest Income							
Deposit	01/31/2020			Interest		66.55	66.55
Total 431-00 · Interest Income						66.55	66.55
435-00 · Lease Revenue							
Invoice	01/10/2020	19-258	ODOT	Pete's Mountain Lease - Due ...		2,735.00	2,735.00
Invoice	01/20/2020	19-255	Tri Met	Polivka Hill - 2020 January thr...		12,029.25	14,764.25
Invoice	01/20/2020	19-255	Tri Met	Pete's Mountain - 2020Januar...		19,363.85	34,128.10
Invoice	01/20/2020	19-256	ODOT	Site Use Rental MW Circuit 7/...		4,556.50	38,684.60
Invoice	01/20/2020	19-257	ODOT	Site Use Rental Mt Scott 7/1/...		4,649.15	43,333.75
Total 435-00 · Lease Revenue						43,333.75	43,333.75
450-00 · Intergovernmental-Clackamas Co							
Deposit	01/03/2020		Clackamas County - Bond Related	November 2019 Bond Reimb...		2,031,695.88	2,031,695.88
Total 450-00 · Intergovernmental-Clackamas Co						2,031,695.88	2,031,695.88
Total Income						2,075,096.18	2,075,096.18
Gross Profit						2,075,096.18	2,075,096.18
Expense							
610-00 · Fuel/Generators							
Bill	01/15/2020	INV01...	WCCCA			4,135.74	4,135.74
Total 610-00 · Fuel/Generators						4,135.74	4,135.74
615-00 · HVAC Maintenance							
Bill	01/01/2020	150973	Hunter-Davisson, Inc.			858.00	858.00
Bill	01/01/2020	150670	Hunter-Davisson, Inc.			818.68	1,676.68
Total 615-00 · HVAC Maintenance						1,676.68	1,676.68
645-00 · Insurance							
Bill	01/01/2020	35P34...	Special Districts Insurance Services			37,932.00	37,932.00
Total 645-00 · Insurance						37,932.00	37,932.00
650-00 · Utilities							
Check	01/03/2020	EFT	PGE			209.02	209.02
Check	01/03/2020	EFT	PGE			302.18	511.20
Check	01/07/2020	EFT	PGE			407.36	918.56
Check	01/08/2020	EFT	PGE			136.45	1,055.01
Check	01/08/2020	EFT	PGE			357.06	1,412.07
Check	01/09/2020	EFT	PGE			152.41	1,564.48
Check	01/10/2020	EFT	PGE			369.65	1,934.13
Check	01/14/2020	EFT	PGE			182.75	2,116.88
Check	01/17/2020	EFT	PGE			295.39	2,412.27
Check	01/21/2020	EFT	PGE			250.32	2,662.59
Check	01/21/2020	EFT	PGE			308.74	2,971.33
Check	01/21/2020	EFT	PGE			519.16	3,490.49
Check	01/27/2020	EFT	PGE			410.51	3,901.00
Check	01/31/2020	EFT	Canby Utility	190236		96.98	3,997.98
Total 650-00 · Utilities						3,997.98	3,997.98
655-00 · Consultant Services							
Bill	01/06/2020	CIWD4...	Consistent Image Web Design			100.00	100.00
General Journal	01/20/2020	AJE 3		To correct wrong account entr...		4,988.57	5,088.57
Bill	01/31/2020		Hartsock Project Mgmt.			5,217.76	10,306.33
Total 655-00 · Consultant Services						10,306.33	10,306.33
657-00 · Regional Radio Expense							
General Journal	01/20/2020	AJE 3		To correct wrong account entr...		-4,988.57	-4,988.57
Total 657-00 · Regional Radio Expense						-4,988.57	-4,988.57
670-00 · Legal Services							
Credit	01/20/2020	39482	Jarrard, Seibert, Pollard & Co. LLC	To coorrect for current amount...		-2,875.00	-2,875.00
Bill	01/31/2020		LGL			600.00	-2,275.00
Total 670-00 · Legal Services						-2,275.00	-2,275.00
675-00 · Financial Services							
Bill	01/09/2020	159206	Talbot, Korvola & Warwick, LLP			515.00	515.00
Check	01/31/2020			Service Charge		20.00	535.00
Total 675-00 · Financial Services						535.00	535.00
685-00 · Miscellaneous Expenses							
Bill	01/01/2020	AJE11...	Government Ethics Commission			658.64	658.64
Bill	01/01/2020	20AC-...	SDAO			330.00	988.64
General Journal	01/29/2020	AJE 4		To Void check# 3006		-658.64	330.00
Total 685-00 · Miscellaneous Expenses						330.00	330.00

**Clackamas 800 Radio Group
Profit & Loss Detail**

January 2020

Type	Date	Num	Name	Memo	Class	Amount	Balance
703-00 · Capital Outlay							
703-01 · Buildings & Land Improvement							
703-011 · Land Improvement							
Bill	01/01/2020	23903...	Day Wireless Systems Inc.		17 Estacada_D...	1,500.00	1,500.00
Bill	01/01/2020	18051-2	McKay Consulting		05 Mount Scott	600.00	2,100.00
Bill	01/01/2020	18001...	Todd Hess Building Company		23 Goat Mountain	38,267.62	40,367.62
Bill	01/01/2020	18001...	Todd Hess Building Company		11 Brightwood	28,246.35	68,613.97
Bill	01/01/2020	18001...	Todd Hess Building Company		05 Mount Scott	3,795.24	72,409.21
Bill	01/07/2020	17060	Hathaway Larson		02 Skyland/Coo...	80.00	72,489.21
Bill	01/07/2020	9043	Securasite LLC		40 All	2,400.06	74,889.27
Bill	01/07/2020	9044	Securasite LLC		40 All	12,745.00	87,634.27
Bill	01/07/2020	9045	Securasite LLC		40 All	344.94	87,979.21
Bill	01/10/2020	9058	Securasite LLC		02 Skyland/Coo...	41.18	88,020.39
Bill	01/10/2020	9059	Securasite LLC		02 Skyland/Coo...	5,393.75	93,414.14
Bill	01/10/2020	5365	T3 Construction LLC		18 Highland Butte	107,500.00	200,914.14
Bill	01/10/2020	5366	T3 Construction LLC		20 Angel Falls/...	10,860.00	211,774.14
Bill	01/10/2020	5367	T3 Construction LLC		18 Highland Butte	110,000.00	321,774.14
Bill	01/11/2020	9065	Securasite LLC		12 Crutcher Ben...	150.00	321,924.14
Bill	01/11/2020	9063	Securasite LLC		23 Goat Mountain	131.25	322,055.39
Bill	01/11/2020	9064	Securasite LLC		20 Angel Falls/...	93.75	322,149.14
Bill	01/11/2020	9062	Securasite LLC		05 Mount Scott	237.50	322,386.64
Bill	01/11/2020	9066	Securasite LLC		22 Whale Head	81.25	322,467.89
Bill	01/12/2020	9068	Securasite LLC		27 Hoodland Fire	118.75	322,586.64
Bill	01/12/2020	9067	Securasite LLC		40 All	6,268.75	328,855.39
Bill	01/14/2020	126742	HPS Construction Inc.		05 Mount Scott	115,696.35	444,551.74
Bill	01/25/2020	36187	ACS Testing, Inc.		18 Highland Butte	993.20	445,544.94
Bill	01/30/2020	2359	Capital Design Services, LLC		02 Skyland/Coo...	500.00	446,044.94
Bill	01/31/2020	36176	ACS Testing, Inc.		04 Wilsonville T...	553.14	446,598.08
Bill	01/31/2020	622578	Day Wireless Systems Inc.		40 All	5,854.00	452,452.08
Bill	01/31/2020	499846	Day Wireless Systems Inc.		26 CCOM	4,501.17	456,953.25
Bill	01/31/2020	18001...	Todd Hess Building Company		23 Goat Mountain	49,267.00	506,220.25
Total 703-011 · Land Improvement						506,220.25	506,220.25
703-012 · Building							
Bill	01/17/2020	505492	Day Wireless Systems Inc.		17 Estacada_D...	360.00	360.00
Total 703-012 · Building						360.00	360.00
703-014 · Generator							
Bill	01/15/2020	B640	Power Systems Plus Inc.		12 Crutcher Ben...	1,650.00	1,650.00
Bill	01/23/2020	2341A	Power Systems Plus Inc.		11 Brightwood	2,288.00	3,938.00
Bill	01/23/2020	2341A	Power Systems Plus Inc.		14 Lenhart	2,288.00	6,226.00
Bill	01/23/2020	2341A	Power Systems Plus Inc.		23 Goat Mountain	2,288.00	8,514.00
Bill	01/23/2020	2341A	Power Systems Plus Inc.		17 Estacada_D...	2,288.00	10,802.00
Bill	01/23/2020	2341A	Power Systems Plus Inc.		24 Sawtell Fire ...	2,288.00	13,090.00
Bill	01/29/2020	2332A	Power Systems Plus Inc.		17 Estacada_D...	1,650.00	14,740.00
Bill	01/31/2020	SI-499...	Lile International Companies		40 All	1,148.00	15,888.00
Total 703-014 · Generator						15,888.00	15,888.00
Total 703-01 · Buildings & Land Improvement						522,468.25	522,468.25
703-02 · Radio Backbone							
703-021 · Simulcast / Master Site							
Bill	01/01/2020	58175	MCM Technology, LLC		40 All	36,868.75	36,868.75
Bill	01/22/2020	INV01...	WCCCA		40 All	32,068.60	68,937.35
Bill	01/22/2020	INV01...	WCCCA		40 All	631.20	69,568.55
Total 703-021 · Simulcast / Master Site						69,568.55	69,568.55
703-025 · Back up Dispatch							
Bill	01/04/2020	10	Gibson Technical Services		40 All	400.00	400.00
Total 703-025 · Back up Dispatch						400.00	400.00
703-026 · Cat. 6 Fire Station Alerting							
Bill	01/01/2020	2793	Clackamas County Fire District #1		40 All	12,140.94	12,140.94
Total 703-026 · Cat. 6 Fire Station Alerting						12,140.94	12,140.94
Total 703-02 · Radio Backbone						82,109.49	82,109.49
703-03 · Equipment							
703-034 · Microwave							
Bill	01/01/2020	SC-20...	Microwave Networks Inc.		40 All	83,010.35	83,010.35
Bill	01/01/2020	1891696	Microwave Networks Inc.		05 Mount Scott	10,443.00	93,453.35
Total 703-034 · Microwave						93,453.35	93,453.35
Total 703-03 · Equipment						93,453.35	93,453.35
Total 703-00 · Capital Outlay						698,031.09	698,031.09
Total Expense						749,681.25	749,681.25
Net Ordinary Income						1,325,414.93	1,325,414.93
Net Income						1,325,414.93	1,325,414.93

Clackamas 800 Radio Group

Trial Balance

02/10/20

As of January 31, 2020

Accrual Basis

	Jan 31, 20	
	Debit	Credit
115-00 · Cash/Checking Account	717,513.19	
11000 · Accounts Receivable	119,590.55	
120-00 · Member Fees Receivable	0.00	
12000 · Undeposited Funds	0.00	
150-00 · Prepaid Expenses	0.00	
169-00 · CIP	27,446,298.52	
160-00 · Buildings and Towers	10,956,645.15	
165-00 · Radio Backbone	2,520,898.80	
166-00 · Equipment	1,052,983.00	
167-00 · Work In Progress	0.00	
175-00 · Accumulated Depreciation		11,262,423.09
180-00 · Deferred O/F-P25 Maintenance	5,812,058.44	
201-00 · Accounts Payable		757,666.21
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		464.05
435-00 · Lease Revenue		50,304.75
450-00 · Intergovernmental-Clackamas Co		12,768,306.84
605-00 · Site Rental	208,327.39	
610-00 · Fuel/Generators	8,915.39	
615-00 · HVAC Maintenance	3,284.09	
620-00 · Landscape Maintenance	4,710.00	
625-00 · Generator Maintenance	2,642.98	
630-00 · UPS Maintenance	4,065.00	
645-00 · Insurance	41,049.94	
650-00 · Utilities	31,142.06	
655-00 · Consultant Services	36,486.69	
657-00 · Regional Radio Expense	0.00	
660-00 · WCCCA System Fees	666,768.20	
665-00 · Radio Maintenance Fees	13,820.38	
670-00 · Legal Services	321.00	
675-00 · Financial Services	3,764.99	
680-00 · Audit Fees	9,600.00	
685-00 · Miscellaneous Expenses	1,111.64	
703-011 · Land Improvement	6,773,325.42	
703-012 · Building	360.00	
703-013 · Tower	283,161.00	
703-014 · Generator	121,776.00	
703-021 · Simulcast / Master Site	4,196,473.82	
703-022 · Subscriber Radios	8,783.05	
703-024 · Paging	264,626.00	
703-025 · Back up Dispatch	1,084.00	
703-026 · Cat. 6 Fire Station Alerting	582,227.90	
703-032 · DC Power	250,019.67	
703-034 · Microwave	358,415.95	
703-036 · Fire Station Alerting	577,696.74	
TOTAL	63,079,946.95	63,079,946.95

Clackamas 800 Radio Group
Balance Sheet
As of January 31, 2020

	<u>Jan 31, 20</u>
ASSETS	
Current Assets	
Checking/Savings	
115-00 · Cash/Checking Account	717,513.19
Total Checking/Savings	717,513.19
Accounts Receivable	
11000 · Accounts Receivable	119,590.55
Total Accounts Receivable	119,590.55
Total Current Assets	837,103.74
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	<u>37,363,564.56</u>
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
201-00 · Accounts Payable	757,666.21
Total Accounts Payable	757,666.21
Total Current Liabilities	757,666.21
Total Liabilities	757,666.21
Equity	
310-00 · Investment in Fixed Assets	30,714,402.38
320-00 · Retained Earnings, Prior	6,442,331.43
Net Income	-550,835.46
Total Equity	36,605,898.35
TOTAL LIABILITIES & EQUITY	<u>37,363,564.56</u>

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

Type	Date	Num	Name	Due Date	Aging	Open Balance
Current						
Invoice	01/20/2020	19-255	Tri Met	02/19/2020		31,393.10
Total Current						31,393.10
1 - 30						
Invoice	01/20/2020	19-256	ODOT	01/20/2020	11	4,556.50
Invoice	01/20/2020	19-257	ODOT	01/20/2020	11	4,649.15
Total 1 - 30						9,205.65
31 - 60						
Total 31 - 60						
61 - 90						
Total 61 - 90						
> 90						
Invoice	07/31/2018	18-166	Canby FD	07/31/2018	549	11,481.80
Invoice	07/31/2018	18-188	Boring Water	07/31/2018	549	860.00
Invoice	07/31/2018	18-192	Clackamas County - Transportation Eng	07/31/2018	549	8,170.00
Invoice	07/15/2019	19-217	Canby FD	07/15/2019	200	29,670.00
Invoice	07/15/2019	19-221	Colton Fire	07/15/2019	200	16,770.00
Invoice	07/15/2019	19-240	Boring Water	07/15/2019	200	860.00
Invoice	07/15/2019	19-244	Clackamas County - Transportation Eng	07/15/2019	200	11,180.00
Total > 90						78,991.80
TOTAL						119,590.55

RADIO PROJECT STATUS

Emergency Communication System Upgrade

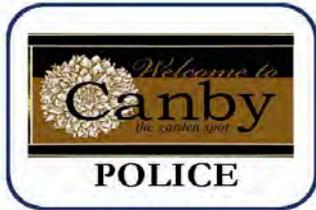
C800 Project Leader: John Hartsock

WCCCA Project Leader: Ron Polluconi

C800 Project Manager: Bjorn Morfin

Date: February 19, 2020

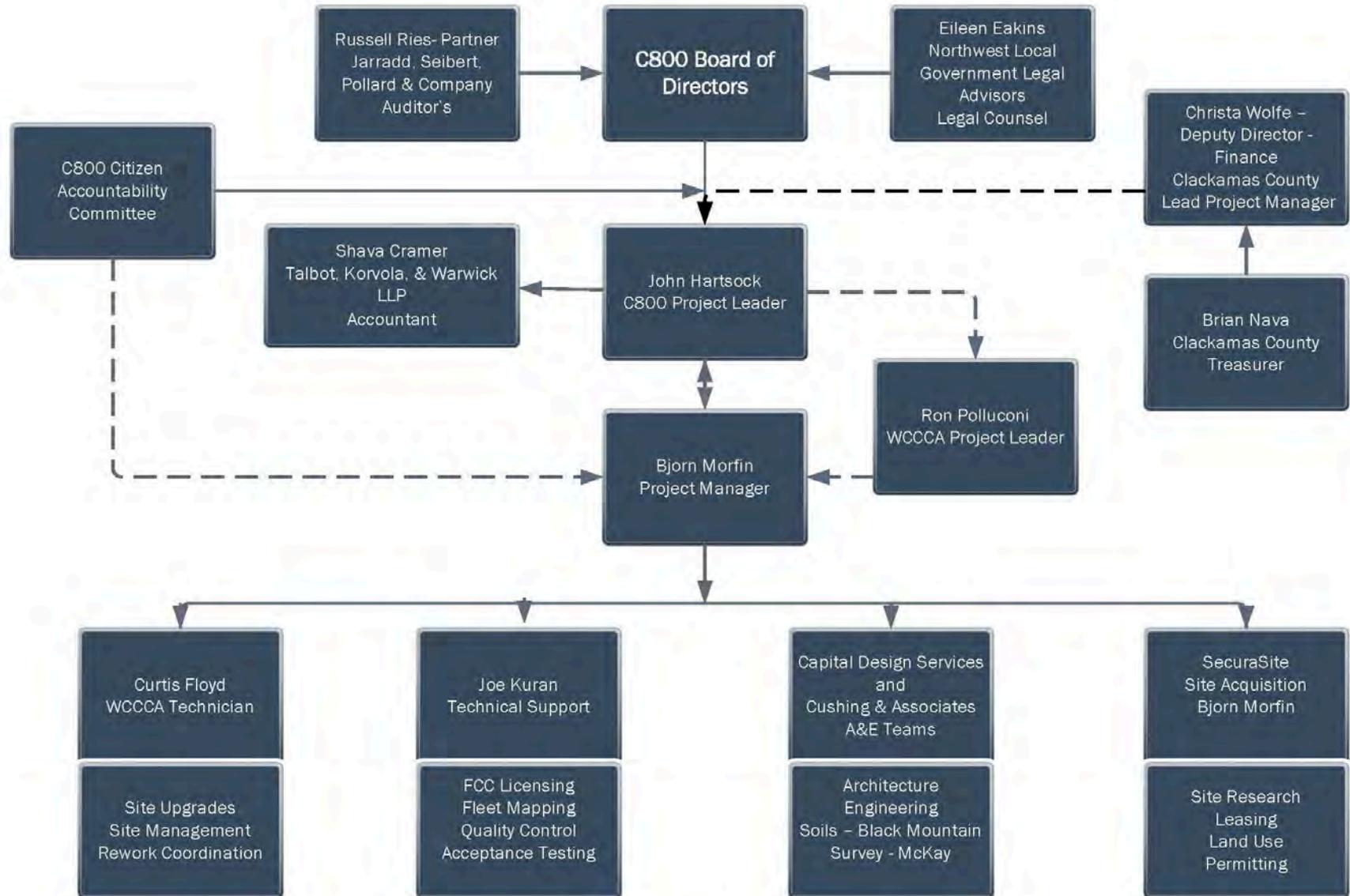




THE EIGHTEEN PUBLIC SAFETY AGENCIES THAT MAKE UP CLACKAMAS 800 RADIO GROUP



C800 Project Team



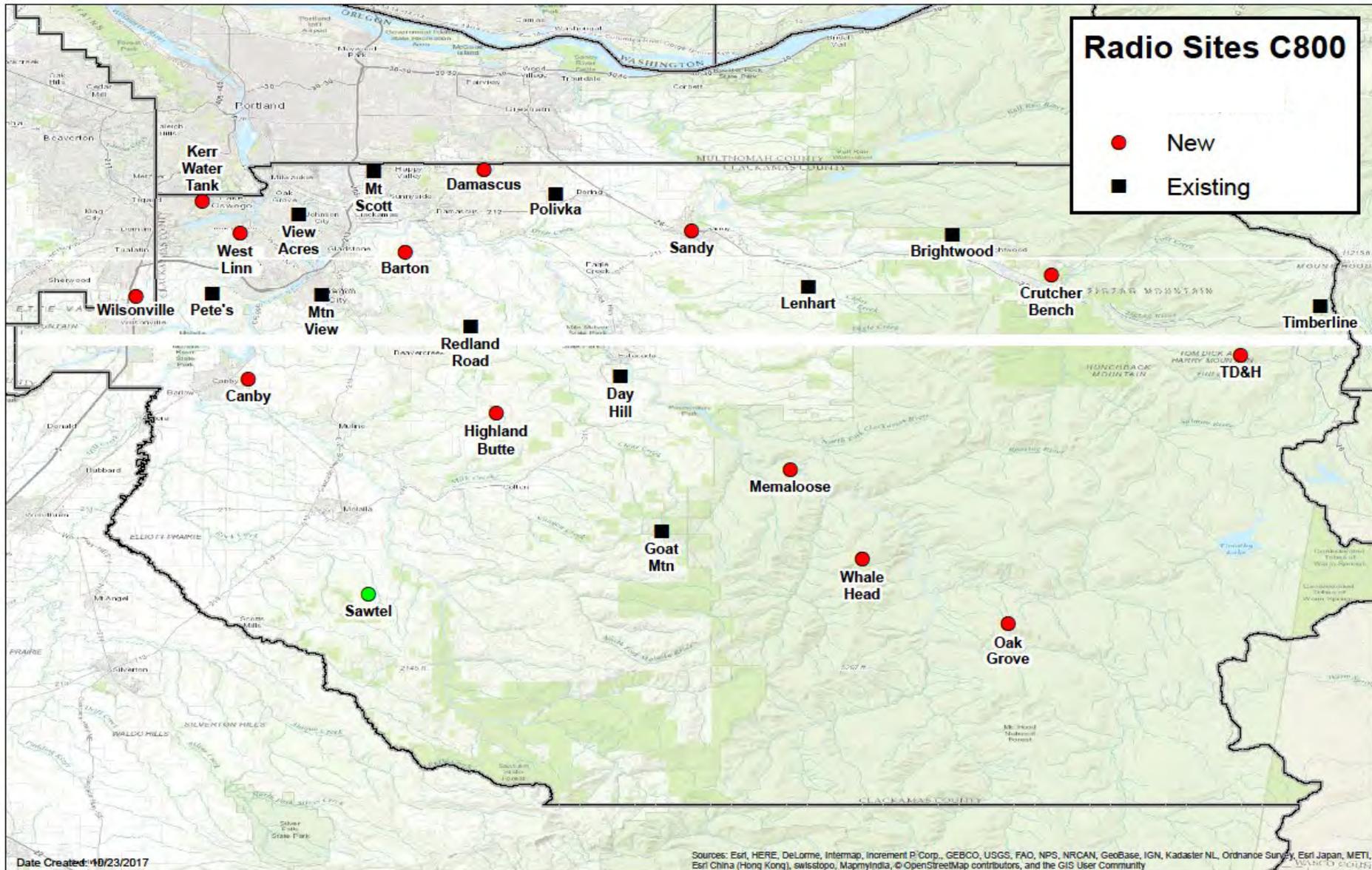
Resiliency:

A Primary Objective of the Upgraded System Design

- **New Facilities and Towers - Designed to the Oregon Structural Specialty Code: “Essential Facilities” Risk Category IV: i.e.,** Essential structures in this category are used for communications across non-redundant and hardened networks such as: rescue or disaster operations, and public safety facilities. They are to withstand a magnitude 9 earthquake and continue to operate.
- **Existing Facilities and Towers - Upgraded to Meet the Current Essential Facilities Codes.**
- **48V DC Power Systems Combined with Emergency Generators**
 - Having 1,000 gal propane fuel supply to provide up to 4 weeks of back up power.
- **Redundant HVAC units - To maintain environmental control.**



C800 Site Locations



Project Status New Sites Summary

14 New Sites Acquisition / Design / Construction:

- **Barton / Damascus / Sandy / Canby / Crutcher Bench /:** Complete.
- **Hoodland Fire/Brightwood:** Complete.
- **Wilsonville:** Construction 90% complete anticipate completion by February 28 , 2020
- **Highland Butte (BLM):** Construction proceeding 90% complete Anticipate completion by February 28, 2020
- **Tom Dick & Harry / Memaloose / Whale Head / Oak Grove (USFS):** Construction is underway on Memaloose / Whalehead / Oak Grove – access easement being obtained for TD&H. Anticipate a June 2020 completion depending on weather for all
- **West Linn:** Awaiting response from ODOT on Lease.
- **Kerr Parkway Water Tank:** Researching alternative locations.



Project Status Existing Sites Summary

13 Existing Sites Design / Construction

- **Brightwood / Lenhart / Pete's / Polivka / Day Hill / Mt View / Redland Rd / Sawtell / View Acres :** Complete
- **Mt Scott:** Tower / building completed / anticipated site completion by February 28, 2020.
- **Goat Mtn / :** Tower structural upgrades / building foundation upgrades / 48V DC power system / new generator and 1,000 gal fuel tank / new HVAC units. Goat is underway but has been delayed due to weather. Anticipate completion May 2020
- **Timberline:** new generator and 1,000 gal fuel tank to be scheduled
- **CCOM:** New Uninterruptable Power System for Master Site Equipment / revisions to fire suppression system / new cable tray work complete. Replacement of consoles planned for May/June.



Project History and Status

Brief History:

Conceptual planning for upgrade of the public safety radio systems in the Portland Metro Area started in 2008 due to an aging communications infrastructure. The planning team was a partnership of City of Portland, Clark County, Washington (CRESA), Washington County Consolidated Communications Agency (WCCCA) and Clackamas 800 Radio Group (C800). The planning team was assisted by the IXP Corporation and a \$1M Homeland Security Grant to propose a system of systems approach for providing public safety communications for the region. City of Portland and CRESA choose to construct an independent system. C800/WCCCA chose to continue their partnership and build a joint system. All 4 system interoperate with each other.

Ballot Measure 3-476 approved in May 2016 authorized \$59M in general obligation bonds to replace and upgrade the public safety radio communications system serving Clackamas County. The Bonds were sold on November 3, 2016. Clackamas County entered into an Intergovernmental Agreement with Clackamas 800 Radio Group on December 19, 2016 to execute and manage the project. The initial schedule was for the Project to be completed by June 2019. We have made considerable progress but have been delayed, primarily in site acquisition and therefor site construction. The anticipated completion date has been extended to August 2020.

Architectural and Engineering Services:

Months of pre-planning, including determining potential sites, allowed site acquisition, architectural and engineering services, for the 14 new sites to begin at once as well as upgrade designs for existing sites. The value of these contracts is \$2.8M of which we have spent \$2.5M.

Equipment:

Procurement of major project elements began in earnest in December 2016. The contract to Motorola for the key components of the radio system and the portable and mobile radios for the public safety users was awarded in August 2017 in the amount of \$33.9 Million. The contract to Microwave Networks Inc for site interconnectivity was awarded in November 2018 in the amount of \$3.1 Million. Contracts for radio site shelters for \$1.6M / communication towers for \$1.3M / 48Volt power systems for \$1.4M all awarded in mid-2018. To date we have expended \$31M for these items.

Status of the 13 existing sites:

Seven of the existing sites required seismic stabilization, new HVAC, new emergency generators and fuel tanks,. These sites were complete in early 2019. The remaining six required replacement of the communication towers due to structural needs. The work was bid and awarded in May 2019. The work at these sites is now complete except for the Mt Scott site which will be completed in late December 2019.

Project History and Status

Status of the 14 new sites:

The first three new sites were leased by early 2017 and two more by early 2018. Those five proceeded to land use approval, design and permitting, and construction, and are now complete.

The site at Wilsonville site is now under construction and anticipated completion is January 2020. The Wilsonville site was approved by the landlord in early 2018. However, the lease was delayed until August 2019 due to an access easement from an adjoining property owner.

The Highland Butte site lease was submitted in June 2016 to Bureau of Land Management (BLM). Approving the project was lengthy primarily due to NEPA (national environmental protection act) issues and internal BLM delays. Construction is underway and anticipated to be complete by January 2020.

The four US Forest Service sites at Whalehead, Memaloose, Oak Grove Butte, and Tom Dick & Harry, were submitted to USFS in February 2016. The USFS had long delays in approving this project. The final application was over 1,000 pages with many maps and related reports. Our design team to struggled with timely responses.

We received the lease for Whalehead, Memaloose, and Oak Grove Butte in July of 2019 but were not approved to proceed with construction until October 2019. Due to this being a snow site, final construction will not likely be complete until late spring / early summer 2020.

Skyland - This site has been delayed due to the uncertainty about moving forward with the site at Cooks Butte Park in Lake Oswego. C800 has been attempting to obtain a site at Cooks Butte going back to 2002 as it provides the best radio coverage for Lake Oswego. Due to a deed restriction on the Cooks Butte property, the Skyland location was chosen as an alternate in March 2016. A lease was signed for Skyland soon thereafter. The team proceeded to prepare the land use application for the Skyland site until we were advised that the deed restriction for Cooks Butte was released in late 2017. The City of Lake Oswego granted a lease for Cooks Butte to C800 in April f 2018. The team began working through the development process for Cooks Butte in early 2018 to date. The City's land use process is complex and arduous and has taken until now to develop the submittal materials. The City advised us on November 12, 2019 that they are requesting that C800 abandon the lease. It is anticipated that we are now going back to the Skyland site with anticipation of submitting for land use as quickly as possible. This site will likely be appealed, and construction start is unknown, but could be two years out.

Finally, based on coverage predictions we need a second site in the north of Lake Oswego. We looked at a potential site on Kerr Road at a Lake Oswego water department site but at this moment in time it does not look likely. We are continuing to search for a site.

We have completed \$7.5M in site construction from a budget of \$11.4M

Overall, we have spent \$41.9M of our \$59M budget.



Project Schedule

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

Project Schedule

ID	Task Name	Duration	Start	Finish	2016		2017		2018		2019		2020	
					Half Qtr 2	2nd Half Qtr 3	1st Half Qtr 1	2nd Half Qtr 2	1st Half Qtr 3	2nd Half Qtr 4	1st Half Qtr 1	2nd Half Qtr 2	1st Half Qtr 3	2nd Half Qtr 4
75	New/Upgrade 48 VDC and Battery Backup Systems	405 days	Mon 9/24/18	Fri 4/10/20										
80	Paging, Messaging Systems upgrade/replacement	600 days	Mon 2/5/18	Fri 5/22/20										
89	IP based Fire Station Alerting System	500 days	Mon 6/4/18	Fri 5/1/20										
96	Video and Security systems	255 days	Mon 6/17/19	Fri 6/5/20										
103	Interoperable RF Systems and Links	570 days	Mon 6/4/18	Fri 8/7/20										
110														
112	System Operational August 7, 2020	0 days	Fri 8/7/20	Fri 8/7/20										

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



C800 Radio System Upgrade Budget (1)

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

Item	Budget	Original Encumbrance	Additional Encumbrance / Change Order	Estimate to Complete	Percent Complete	Estimated Total	(Over) Under Budget	Expended
Soft Cost								
Site Acquisition Consulting - Quest	60,000	25,000	45,000	(2,930)	100.00%	67,070	(7,070)	67,069.81
Site Acquisition Consulting / Permits - Securacite	320,000	321,250	121,300	125,000	91.34%	567,550	(247,550)	518,407.92
Site Planning A&E - Cushing/Capital/Cundiff/Forensic/KPFF/S DC/ToddHess	725,000	692,391	468,930	(275,000)	97.12%	886,321	(161,321)	860,787.70
Geotechnical / Environmental Consulting - Black Mtn	250,000	443,670	40,000	40,000	92.03%	523,670	(273,670)	481,915.22
Survey - McKay	75,000	129,835	0	0	80.94%	129,835	(54,835)	105,085.00
USFS Land Use Fees	15,000	10,000	40,000	5,000	89.94%	55,000	(40,000)	49,465.23
Land Use Fees	25,000	9,400	0	0	99.35%	9,400	15,600	9,339.00
Plan Check / Permit Cost	60,000	10,000	0	0	95.25%	10,000	50,000	9,525.20
Printing	2,500			500	0.00%	500	2,000	0.00
Bid Advertising	3,500	1,300	0	250	83.01%	1,550	1,950	1,286.65
Materials Testing & Inspection	40,000	2,700	0	30,000	8.02%	32,700	7,300	2,623.75
Project Management	300,000	296,000	150,000	115,000	77.95%	561,000	(261,000)	437,302.58
Legal Fees	30,000	21,000	0	5,000	80.61%	26,000	4,000	20,958.74
Licensing	20,000	69,000		5,000	93.10%	74,000	(54,000)	68,890.50
Miscellaneous	30,000	88,000	10,000	10,000	89.64%	108,000	(78,000)	96,815.38
Sub-Total Soft Cost	1,956,000	2,119,546	875,230	57,820	89.41%	3,052,596	(1,096,596)	2,729,473
Construction Cost								
Site Construction	8,895,000	7,036,634	5,000,000	2,000,000	72.35%	14,036,634	(5,141,634)	10,155,589.03
Buildings	1,350,000	2,018,663	0		88.18%	2,018,663	(668,663)	1,780,009.60
Towers	660,000	1,383,357	0	300,000	96.05%	1,683,357	(1,023,357)	1,616,823.81
Generator	500,000	513,196	0	100,000	94.17%	613,196	(113,196)	577,421.21
48VDC	1,065,000	1,443,767	0	(300,000)	91.50%	1,143,767	(78,767)	1,046,537.46
Lake Oswego Antenna	18,000	17,500	0	0	100.07%	17,500	500	17,511.75
Sub-Total Construction Cost	12,488,000	12,413,117	5,000,000	2,100,000	77.87%	19,513,117	(7,025,117)	15,193,892.86

C800 Radio System Upgrade Budget (2)

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

Item	Budget	Original Encumbrance	Additional Encumbrance / Change Order	Estimate to Complete	Percent Complete	Estimated Total	(Over) Under Budget	Expended
Equipment Costs								
Simulcast Equipment	20,726,000	\$19,592,515		500,000	91.54%	20,092,515	633,485	18,393,193.29
Paging	373,000	7,523		365,000	77.00%	372,523	477	286,825.31
Subscriber Radios	5,000,000	6,303,129		500,000	49.45%	6,803,129	(1,803,129)	3,364,355.52
Asset Management	119,000			119,000	0.00%	119,000	0	0.00
Post Warranty / System Refresh	5,800,000	5,812,058		0	100.00%	5,812,058	(12,058)	5,812,058.44
Test Equipment	100,000			100,000	0.00%	100,000	0	0.00
Microwave	3,368,000	0	2,349,951	500,000	96.23%	2,849,951	518,049	2,742,491.51
Security System	1,364,000			1,364,000	0.08%	1,364,000	0	1,079.96
Fire Station Alerting	0			1,570,000		1,570,000	(1,570,000)	1,369,457.49
Subtotal Equipment Costs	36,850,000	31,715,226	2,349,951	5,018,000	81.80%	39,083,177	(2,233,177)	31,969,462
Bond Cost	300,000	290,372		50,000	95.06%	340,372	(40,372)	323,547
Subtotal Project Cost	51,594,000	46,538,260	8,225,181	7,225,820	81.01%	61,989,261	(10,395,261)	50,216,374
Additional Proceeds	4,875,000					(4,875,000)	4,875,000	
Adjusted Project Costs	56,469,000	46,538,260	8,225,181	7,225,820	81.01%	57,114,261	(5,520,261)	
Contingency	7,406,000			1,750,000	0.00%	1,750,000	5,656,000	
Total Project Cost	63,875,000	46,538,260	8,225,181	8,975,820	85.31%	58,864,261	135,739	50,216,374.49

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

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

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

Project Goal:

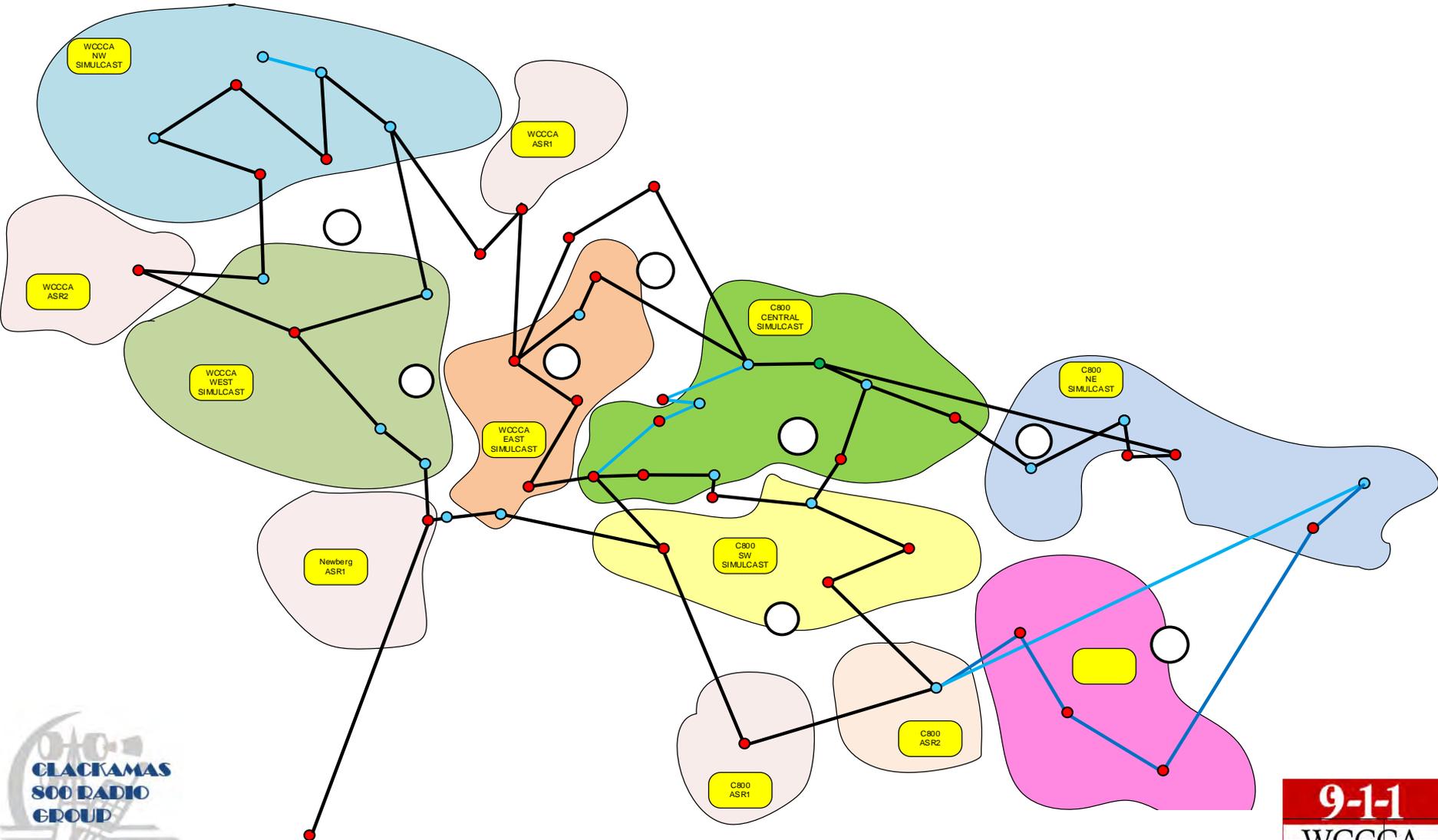
To create an efficient, dependable public safety radio communications system that works in all parts of Clackamas County!

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



Site Connectivity:

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





Wilsonville





Highland Butte





Mt Scott





Memaloose
2/3/20



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: February 19, 2020
Re: Approve a Contract Change Order to Motorola Solutions

REQUEST: It is hereby requested that the C800 Board of Directors approve issuing a contract change order in the amount of \$279,541.00 for additional subscriber radios for Lake Oswego Police, Clackamas Fire District #1, and Aurora Fire.

DESCRIPTION: In September of 2017 the Board authorized entering into a contract with Motorola Solutions in the amount of \$35,215,456.05 to furnish and install a Project 25 digital radio system including subscriber radios to serve the C800 partners and members.

It has been determined that additional subscriber radios are required for Lake Oswego Police, Clackamas Fire District #1, and Aurora Fire in the amount of \$279,541.00.

FINANCE: The funds are budgeted in capital outlay as part of the Bond funding and there will be reimbursements from the agencies.

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 \$279,541.00 for additional subscriber radios for Lake Oswego Police, Clackamas Fire District #1, and Aurora Fire.



11300 SE Fuller Rd
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Board of Directors Action Request

To: C800 Board of Directors
From: John Hartsock, Manager
Date: February 19, 2020
Re: Approve a Contract Change Order to Todd Hess Building Company for the addition of a generator to the Hoodland site.

REQUEST: It is hereby requested that the C800 Board of Directors approve issuing a contract change order in the amount of \$59,062 for the addition of a generator at the Hoodland site to Todd Hess Building Co.

DESCRIPTION: In July of 2017 the Board authorized the use of an alternative contracting method, design build, for the existing site upgrade and remodels. The Board has authorized a contract to Todd Hess Building Company for the design and construction of eleven sites, Mt Scott, Mtn View, Pete's Mtn, Polivka, Redland Rd, View Acres. Brightwood/Lenhart/Day Hill/Sawtell/and Goat Mtn in the not to exceed amount of \$2,535,188.86.

Todd Hess Building Company has developed the cost for the addition of a generator required at the Hoodland site and presented this change order for approval.

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 \$59,062 for the addition of a generator at the Hoodland site to Todd Hess Building Co.