

# CLACKAMAS C800 RADIO GROUP

## BOARD OF DIRECTORS MEETING

August 19, 2020 / 9:00AM

**This will be a ZOOM Meeting**

Join Zoom Meeting

<https://clackamascounty.zoom.us/j/93523242356?pwd=UUlTVXVHZFhBQVo1MEhvTTI4dFIz09>

Meeting ID: 935 2324 2356 Passcode: 263643

Call In: 253-215-8782 ID: 93523242356 Passcode: 263643

1. Call the C800 Board of Directors meeting to Order -Chair Sue Scobert
2. Roll Call of Partners: (19/10)
  - 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 County Fire District #1
  - Colton Fire District
  - Estacada Fire District
  - Hoodland Fire District
  - Molalla Fire District
  - Sandy Fire District
  - Tualatin Valley Fire & Rescue
  - Clackamas County Sheriff
  - Clackamas County Health
3. \*Approval of Minutes of June17, 2020 Board Meeting - Sue Scobert
4. Public Comment - Sue Scobert
5. Communications - John Hartsock
6. Financial Report - June 2020 - John Hartsock
7. Committee Reports
  - Executive Committee - Sue Scobert
  - Technical Committee - John Hartsock
  - Citizen Accountability - John Hartsock - Next Meeting Sept 23, 2020
8. Old Business: (\* Action Item)
  - System Management: - Ron Polluconi
  - System Upgrade/Replacement
    - Project Status / Procurement - Bjorn Morfin / John Hartsock
    - West Linn / Lake Oswego Site - John Hartsock
    - Fire Station Alerting / Paging - John Hartsock
    - 800 MHz Paging (voice) - Ron Polluconi
    - Portable/Mobile Radio Deployment John Hartsock
    - Portable Radio Antenna - Ron Polluconi

- DVRS - repeaters - Ron Polluconi
- South County Fire Mutual Aid Radios - John Hartsock

9. New Business: (\* Action Item)

- \* Approval of a contract with Equature for logging recorder - John Hartsock
- \* Approval of a contract for CCOM grounding - John Hartsock
- **Next Board Meeting Sept 16, 2020 9:00A Location TBD**

10. Open Agenda

11. Adjournment

# CLACKAMAS C800 RADIO GROUP

## BOARD OF DIRECTORS MEETING

Meeting Minutes of the June 17, 2020 Meeting  
Meeting was held via ZOOM.

### 1. C800 Board Meeting Called to Order at 0900

### 2. The following were in attendance:

City of Canby – Chief Bret Smith

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

City of Lake Oswego- Chief Don Johnson / Ass't Chief Dave Morris / Sue Scobert

City of Milwaukie -

City of Molalla – Chief Frank Schoenfeld

City of Oregon City – Chief Jim Band

Canby Fire District – Chief Jim Davis

Clackamas County Fire District #1: Div Chief Mike Corless / Brent Olsen/ Josh Gerke / Jessamyn Ode / Rachel Trotman

Estacada Fire District – Div Chief Mike Corless

Molalla Fire District- Chief Vince Stafford

Sandy Fire District – Chief Phil Schneider

Clackamas County Health

Tualatin Valley Fire & Rescue – Ass't Chief Mark Havener

Clackamas County Health -

Clackamas Disaster Mgmt – Jamie Poole

CCOM – Cheryl Bledsoe / Toni Sexton / Anthony Collins / Bill Conway / Megan Neece

Mike Dennuri

Citizen – Melissa Framiglio

WCCCA - Ron Polluconi

C800 - Bjorn Morfin

C800 - John Hartsock

### 3. Approval of Minutes – May 20, 2020 Board Meeting

Sue Scobert found a correction on page 2. Updated go live date for Aurora Fire from June 1<sup>st</sup> to July 1<sup>st</sup>. Phil Schneider made a motion to approve minutes with correction, seconded by Frank Schoenfeld, motion passed unanimously.

### 4. Public Comment: Melissa Framiglio of Skyland Neighborhood Association announced she was present at this meeting. No further comments.

### 5. Communications: None.

### 6. Financial Report – May 2020 - John Hartsock

May report included in the meeting packet. John reported they are tracking on budget.

### 7. FY 2020/2021 Budget Approval

Jim Davis made a motion to approve Resolution 01-20 adopting the budget for the Clackamas 800 Radio Group in the amount of \$17,563,253 for FY 2020/2021. Motion was seconded by Phil Schneider, motion passed unanimously.

### 8. Committee Reports

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

**Technical Committee - John Hartsock:** John reported that the committee met on May 27<sup>th</sup>. They discussed alarm issues that addressed questions pertaining to site issues and system issues. They discussed antenna failure issues due to ice at Goat, which are now repaired. The group discussed CCOM and LOCOM upgrades. Their next meeting is June 24, 2020.

**Citizen Accountability- John Hartsock:** John stated they are meeting later tonight (June 17).

John submitted an agenda item for the upcoming meeting to cover a motion to vote for four options that the board identified for use of the premium funds. One member that can't attend sent John his proxy vote to approve. Once approved at this meeting, John will bring to the county board for their approval.

Jim Davis asked for the Zoom invite to be sent. John will send out.

## **9. Old Business:**

**System Management- Ron Polluconi:** Ron reported that there is a growing amount of interference on the C800 system. They are searching for the cause and so far, no substantial impact. Ron shared that they experienced a near complete outage last week on Site 1. They were down to 1 of 4 alternative systems and it took two full days to troubleshoot. They have since rebuilt and the system is restored.

Ron reported that they are watching for break-ins at tower sites. They had to file a report with Washington County Sheriff because of a break-in at a C800 site, a Verizon site and possibly the neighboring state site. There was no vandalism and there wasn't a lot of damage, however they are now keeping an eye on all sites. Ron said a notice was sent out to the sites a week ago.

Ron reported they are doing cut overs. A microwave contractor caused an unintentional reset which caused more sites on Hwy 26 to go down and created issues for 10 minutes. The contractor did not notify C800. Ron is going to reach out in attempt to improve communication.

### **System Upgrade/Replacement**

#### **Project Status/Procurement – Bjorn Morfin / John Hartsock:**

Bjorn reported that he made a lot of progress. There are a small handful of sites that they are still working on, mainly forest service sites.

Memaloose - Contractors are working on the tower next week and its near completion.

Oak Grove – They are back working at this site. Grading and brushing was completed last year.

Whalehead – They are still working on power at this site. Brushing complete.

Tom Dick & Harry – Bjorn reported that he is still working on the final permit from the forest service.

West Linn – This site is the Cooks Butte replacement. Bjorn reported good progress with ODOT. They aim to have the lease by the end of July. The lease and permits could be approved about the same time. John reported that he has a bid packet out with bids due 6/23/20.

Goat Mtn: Bjorn reported that they are almost done with tower upgrade and should be completed this week. There is a separate contractor for the work on ground level work which is 6-8 weeks of work this summer with a completion date in the beginning of August.

John shared that CCOM and LOCOM are getting new console furniture CCOM is 95% complete and LOCOM will be installed later this year.

**Fire Station Alerting/Paging-John Hartsock:** John reported that the plan for the turn on date is July 15th. They are working on the Clackamas Fire stations and hope to be done by the end of June. They are currently dealing with permit issues with the Aurora stations but still hope to be up and running by July 15<sup>th</sup>.

Sue Scobert asked about US Digital and what was decided with the tones. Sue will discuss with Chief Corless.

**900 MHz Paging (voice) - Ron Polluconi:** Ron reported that they are going through antenna installations with two vendors. They experienced a small problem with the existing equipment, which they expected. Ron reported that the deployment of new paging radios will occur soon, and they hope to have all new stations installed by mid-September.

FSA – Ron reported working with USDD to see if they will support a text message concept sent for back up. He suspected that there might be nonrecurring fees.

John requested Ron update on the 800MHz voice paging? Ron reported that the product is still in existence. He noted the vendor is not spending much time on the P25 side. It's possible to implement it as we still have all technology designed into the system to support it. Ron has not heard back from the vendor or the distributor, but said he will continue to reach out to them to see if they can support it.

**Portable/Mobile Radio Deployment – Todd Matsuo**

John reported deployment is continuing. They are down to the final radios and are still working with the Sheriff department. Ron reported that they are aiming to complete this by the end of August. He noted that the upgrades are taking a bit longer.

**Portable Radio Antenna- Ron Polluconi:** Ron reported that they have finished with the evaluations of the monoband and have pushed them out in smaller volumes. They have received very good feedback. They have ordered more and working with agencies to swap them out over the coming months.

On the Triband, Ron shared that Motorola came out with a prototype version. They were supposed to bring some to C800 to evaluate, but they went to Los Angeles first. They had less than optimal success and will be going back to the drawing board. Motorola should have prototypes for us to evaluate in about 6 weeks. Ron shared that they are still apprehensive about these antennas as they have had some complaints. If anyone is experiencing issues, they can swap out the triband antennas for the monoband antennas until the issue is resolved.

Ron stated that mass distribution of the multiband will begin in August or September, if they get pass the evaluation.

**DVRS – repeaters – Ron Polluconi:** Ron reported that he has not heard back from the FDB committee. Ron said we still maintain the test system which we use to keep the evaluation systems at an operating level. Ron shared that they are not going to see a major level of functionality until after the digital system is turned on.

**South County Fire Mutual Aid Radios – John Hartsock:** John shared an outline of where we are in the survey. He shared that the chief in Woodburn said that they are going after a grant to get multi-channel radios that would alleviate the need. John said he would gather more information and will update everyone at the next meeting. We will be able to support this.

Ron shared that in Yamhill County have been going for grants and buying triband radios, mostly on the law enforcement side but fire is beginning to move that direction as well. We may begin to see law enforcement coming up on the system as mutual aid over the next few months. It should be fully live, likely by the end of the month.

**10. New Business (\*Action Item)**

**\* Approval of a change order with Summit Const for Goat Mtn – John Hartsock:** John shared that this site will need extensive modifications from the structural engineer to meet requirements. They have been working with a crane for just over a month. The heavy work is done and they will be completing welding work for a few more weeks. This will approve the additional costs incurred.

Mark Havener made a motion to approve issuing a contract change order in the amount of \$191,269, seconded by Jim Band, motion passed unanimously.

**\* Approval of a change order with Summit Const Wilsonville – John Hartsock:** John shared that the original project bid included Canby, Sandy, and Damascus. This project was delayed significantly due to issues with landlord. There are some other changes that were required by county such as access road improvements and winter conditions on site.

Hopperstad made a motion to approve issuing a contract change order in the amount of \$116,377, Jim Band seconded, motion passed unanimously.

**Radio Use of plain language – Sue Scobert:** Sue shared that APCO (Association of Public-Safety Communications Officials) is an organization for communication centers nationally. The State of Oregon chapter has identified a path for plain language use throughout the state. CCOM is not willing to move forward right now. Oregon State Police have tentatively agreed to move to plain language this summer. Sue said she will send the document to the group for review. The group will discuss at the next meeting.

#### **Next Board Meeting**

Next meeting July 15, 2020 9:00AM Location: Zoom

#### **11. Open Agenda**

Jamie Poole shared that she met with PGE yesterday (June 16). They are working on a plan for public safety power shutoff to prepare for wildland season. The map showed that they plan to shut off power from below Welches up through Government Camp. She wanted to share with the group so we could figure out what towers would be affected and the timing for them to come back up. Jamie said she will get a copy of the map and connect with John and Ron. There is also a communications plan piece. People will need to know who to connect with at C800 if they would shut it off. She will work with Cheryl for the CCOM piece for the public.

#### **12. Adjournment** - Meeting adjourned at 09:34 AM.

10:38 AM

07/15/20

Accrual Basis

# Clackamas 800 Radio Group

## Profit & Loss Budget vs. Actual

### July 2019 through June 2020

	Jul '19 - Jun 20	Budget	\$ Over Budget	% of Budget
<b>Ordinary Income/Expense</b>				
<b>Income</b>				
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	38,051.12	100,000.00	-61,948.88	38.1%
431-00 · Interest Income	579.57	500.00	79.57	115.9%
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%
<b>Total Income</b>	<b>17,436,091.05</b>	<b>40,977,261.00</b>	<b>-23,541,169.95</b>	<b>42.6%</b>
<b>Gross Profit</b>	<b>17,436,091.05</b>	<b>40,977,261.00</b>	<b>-23,541,169.95</b>	<b>42.6%</b>
<b>Expense</b>				
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	18,065.00	14,300.00	3,765.00	126.3%
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	60,804.20	78,000.00	-17,195.80	78.0%
655-00 · Consultant Services	62,725.90	48,500.00	14,225.90	129.3%
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	20,407.86	90,000.00	-69,592.14	22.7%
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	7,422.37	8,500.00	-1,077.63	87.3%
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	125.22	1,150.00	-1,024.78	10.9%
<b>703-00 · Capital Outlay</b>				
703-01 · Buildings & Land Improvement				
703-011 · Land Improvement	9,036,011.64			
703-012 · Building	9,435.72			
703-013 · Tower	284,012.50			
703-014 · Generator	139,407.10			
<b>Total 703-01 · Buildings &amp; Land Improvement</b>	<b>9,468,866.96</b>			
703-02 · Radio Backbone				
703-021 · Simulcast / Master Site	4,473,172.93			
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	759,228.33			
<b>Total 703-02 · Radio Backbone</b>	<b>5,680,218.02</b>			
703-03 · Equipment				
703-032 · DC Power	471,938.15			
703-034 · Microwave	490,328.53			
703-036 · Fire Station Alerting	577,696.74			
<b>Total 703-03 · Equipment</b>	<b>1,539,963.42</b>			
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%
<b>Total 703-00 · Capital Outlay</b>	<b>16,689,048.40</b>	<b>31,500,000.00</b>	<b>-14,810,951.60</b>	<b>53.0%</b>

10:38 AM

07/15/20

Accrual Basis

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

	Jul '19 - Jun 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%
<b>Total Expense</b>	<b>18,037,893.98</b>	<b>40,977,261.00</b>	<b>-22,939,367.02</b>	<b>44.0%</b>
<b>Net Ordinary Income</b>	<b>-601,802.93</b>	<b>0.00</b>	<b>-601,802.93</b>	<b>100.0%</b>
<b>Net Income</b>	<b>-601,802.93</b>	<b>0.00</b>	<b>-601,802.93</b>	<b>100.0%</b>



10:39 AM

07/15/20

# Clackamas 800 Radio Group Profit & Loss Detail

Accrual Basis

June 2020

Type	Date	Num	Name	Memo	Class	Amount	Balance
<b>Ordinary Income/Expense</b>							
<b>Income</b>							
<b>430-00 · Subscriber Radio Payments</b>							
Invoice	06/19/2020	19-263	Wilsonville - PW / Transit	Motorola Radio Purchase		38,051.12	38,051.12
Total 430-00 · Subscriber Radio Payments						38,051.12	38,051.12
<b>431-00 · Interest Income</b>							
Deposit	06/30/2020			Interest		9.18	9.18
Total 431-00 · Interest Income						9.18	9.18
Total Income						38,060.30	38,060.30
Gross Profit						38,060.30	38,060.30
<b>Expense</b>							
<b>620-00 · Landscape Maintenance</b>							
Bill	06/23/2020	20-2057	Valley View Landworks			13,355.00	13,355.00
Total 620-00 · Landscape Maintenance						13,355.00	13,355.00
<b>650-00 · Utilities</b>							
Check	06/02/2020	EFT	PGE			291.27	291.27
Check	06/02/2020	EFT	PGE			325.34	616.61
Check	06/04/2020	EFT	PGE			121.76	738.37
Check	06/05/2020	EFT	PGE			111.68	850.05
Check	06/05/2020	EFT	PGE			376.65	1,226.70
Check	06/08/2020	EFT	PGE			156.72	1,383.42
Check	06/09/2020	EFT	PGE			344.25	1,727.67
Check	06/11/2020	EFT	PGE			228.55	1,956.22
Bill	06/11/2020	Utility	Reliance Connects Inc.			7,043.69	8,999.91
Check	06/16/2020	EFT	PGE			379.91	9,379.82
Check	06/17/2020	EFT	PGE			182.04	9,561.86
Check	06/17/2020	EFT	PGE			336.33	9,898.19
Check	06/17/2020	EFT	PGE			342.16	10,240.35
Check	06/17/2020	EFT	PGE			555.72	10,796.07
Check	06/18/2020	EFT	PGE			92.17	10,888.24
Check	06/19/2020	EFT	PGE			306.51	11,194.75
Check	06/23/2020	EFT	PGE			465.19	11,659.94
Check	06/26/2020	EFT	Canby Utility	190236		92.74	11,752.68
Total 650-00 · Utilities						11,752.68	11,752.68
<b>655-00 · Consultant Services</b>							
Bill	06/04/2020	CIWD-...	Consistent Image Web Design			100.00	100.00
Bill	06/30/2020	200630	Hartssock Project Mgmt.			4,812.07	4,912.07
Total 655-00 · Consultant Services						4,912.07	4,912.07
<b>665-00 · Radio Maintenance Fees</b>							
Bill	06/01/2020	INV63...	Day Wireless Systems Inc.			4,602.16	4,602.16
Total 665-00 · Radio Maintenance Fees						4,602.16	4,602.16
<b>675-00 · Financial Services</b>							
Bill	06/04/2020	159952	Talbot, Korvola & Warwick, LLP			515.00	515.00
Check	06/30/2020			Service Charge		20.00	535.00
Total 675-00 · Financial Services						535.00	535.00
<b>686-00 · Meeting Expenses</b>							
Bill	06/05/2020	258481	Pamplin Media Group			80.22	80.22
Total 686-00 · Meeting Expenses						80.22	80.22
<b>703-00 · Capital Outlay</b>							
<b>703-01 · Buildings &amp; Land Improvement</b>							
<b>703-011 · Land Improvement</b>							
Bill	06/01/2020	2824	Capital Design Services, LLC		02 Skyland/Coo...	1,800.00	1,800.00
Bill	06/04/2020	2734	Capital Design Services, LLC		02 Skyland/Coo...	3,350.00	5,150.00
Bill	06/06/2020	9201	Securasite LLC		14 Lenhart	48.14	5,198.14
Bill	06/06/2020	9200	Securasite LLC		02 Skyland/Coo...	642.88	5,841.02
Bill	06/09/2020	9206	Securasite LLC		04 Wilsonville T...	243.75	6,084.77
Bill	06/09/2020	20087	Summit Solutions Group LLC		27 Hoodland Fire	48,277.74	54,362.51
Bill	06/10/2020	37120	ACS Testing, Inc.		20 Angel Falls/...	3,318.11	57,680.62
Bill	06/10/2020	37315	ACS Testing, Inc.		04 Wilsonville T...	105.00	57,785.62
Bill	06/10/2020	37316	ACS Testing, Inc.		27 Hoodland Fire	105.00	57,890.62
Bill	06/11/2020	14632	Alternative Power Systems, LLC		01 Carver/Barton	1,000.00	58,890.62
Bill	06/11/2020	14632	Alternative Power Systems, LLC		16 Canby	1,000.00	59,890.62
Bill	06/11/2020	9209	Securasite LLC		40 All	7,320.00	67,210.62
Bill	06/11/2020	9208	Securasite LLC		40 All	1,439.28	68,649.90
Bill	06/11/2020	9210	Securasite LLC		40 All	296.05	68,945.95
Bill	06/12/2020	9213	Securasite LLC		14 Lenhart	906.25	69,852.20
Bill	06/12/2020	9214	Securasite LLC		05 Mount Scott	23.20	69,875.40
Bill	06/12/2020	9215	Securasite LLC		05 Mount Scott	331.25	70,206.65
Bill	06/12/2020	9212	Securasite LLC		40 All	7,031.25	77,237.90
Bill	06/12/2020	9216	Securasite LLC		08 Polivka	118.75	77,356.65
Bill	06/12/2020	5418	T3 Construction LLC		20 Angel Falls/...	115,000.00	192,356.65
Bill	06/12/2020	2419	T3 Construction LLC		20 Angel Falls/...	6,000.00	198,356.65
Bill	06/12/2020	2420	T3 Construction LLC		20 Angel Falls/...	16,875.00	215,231.65
Bill	06/12/2020	5421	T3 Construction LLC		22 Whale Head	49,240.00	264,471.65
Bill	06/12/2020	5422	T3 Construction LLC		22 Whale Head	85,000.00	349,471.65
Bill	06/13/2020	9220	Securasite LLC		12 Crutcher Ben...	118.75	349,590.40
Bill	06/13/2020	9217	Securasite LLC		23 Goat Mountain	106.25	349,696.65
Bill	06/13/2020	9219	Securasite LLC		20 Angel Falls/...	156.25	349,852.90

10:39 AM

07/15/20

# Clackamas 800 Radio Group Profit & Loss Detail

Accrual Basis

June 2020

Type	Date	Num	Name	Memo	Class	Amount	Balance
Bill	06/13/2020	9218	Securasite LLC		02 Skyland/Coo...	1,412.50	351,265.40
Bill	06/15/2020	5424	T3 Construction LLC		20 Angel Falls/...	75,613.20	426,878.60
Bill	06/16/2020	5423	T3 Construction LLC		20 Angel Falls/...	33,880.00	460,758.60
Bill	06/25/2020	37489	ACS Testing, Inc.		27 Hoodland Fire	351.12	461,109.72
Bill	06/29/2020	256904	Pamplin Media Group		02 Skyland/Coo...	142.78	461,252.50
Bill	06/30/2020	18001...	Todd Hess Building Company		27 Hoodland Fire	21,707.50	482,960.00
Bill	06/30/2020	18001...	Todd Hess Building Company		26 CCOM	27,885.35	510,845.35
Bill	06/30/2020	18001...	Todd Hess Building Company		23 Goat Mountain	6,142.74	516,988.09
Total 703-011 · Land Improvement						516,988.09	516,988.09
<b>703-012 · Building</b>							
Bill	06/01/2020	INV63...	Day Wireless Systems Inc.		40 All	1,554.00	1,554.00
Bill	06/01/2020	INV63...	Day Wireless Systems Inc.		40 All	1,554.00	3,108.00
Bill	06/01/2020	INV62...	Day Wireless Systems Inc.		40 All	1,554.00	4,662.00
Bill	06/01/2020	153691	Hunter-Davisson, Inc.		18 Highland Butte	271.00	4,933.00
Bill	06/05/2020	154710	Hunter-Davisson, Inc.		17 Estacada_D...	424.75	5,357.75
Bill	06/26/2020	INV63...	Day Wireless Systems Inc.		40 All	2,804.00	8,161.75
Bill	06/30/2020	154604	Hunter-Davisson, Inc.		14 Lenhart	465.17	8,626.92
Total 703-012 · Building						8,626.92	8,626.92
<b>703-014 · Generator</b>							
Bill	06/09/2020	B697	Power Systems Plus Inc.		04 Wilsonville T...	1,650.00	1,650.00
Bill	06/09/2020	2473-1A	Power Systems Plus Inc.		04 Wilsonville T...	531.10	2,181.10
Bill	06/19/2020	B705	Power Systems Plus Inc.		18 Highland Butte	1,650.00	3,831.10
Bill	06/23/2020	B706	Power Systems Plus Inc.		27 Hoodland Fire	1,650.00	5,481.10
Total 703-014 · Generator						5,481.10	5,481.10
Total 703-01 · Buildings & Land Improvement						531,096.11	531,096.11
<b>703-02 · Radio Backbone</b>							
<b>703-021 · Simulcast / Master Site</b>							
Bill	06/15/2020	U033616	Evans Consoles Incorporated		26 CCOM	11,960.75	11,960.75
Bill	06/24/2020	U033672	Evans Consoles Incorporated		26 CCOM	2,517.59	14,478.34
Bill	06/30/2020	U033735	Evans Consoles Incorporated		26 CCOM	261,385.57	275,863.91
Total 703-021 · Simulcast / Master Site						275,863.91	275,863.91
<b>703-026 · Cat. 6 Fire Station Alerting</b>							
Bill	06/01/2020	2324	Clackamas County Fire District #1		40 All	339.24	339.24
Bill	06/01/2020	2283	Clackamas County Fire District #1		40 All	5,046.11	5,385.35
Bill	06/04/2020	3330	Clackamas County Fire District #1		40 All	378.78	5,764.13
Bill	06/23/2020	9376	US Digital Designs, Inc.		40 All	10,949.32	16,713.45
Bill	06/29/2020	9379	US Digital Designs, Inc.		40 All	56,566.34	73,279.79
Total 703-026 · Cat. 6 Fire Station Alerting						73,279.79	73,279.79
Total 703-02 · Radio Backbone						349,143.70	349,143.70
<b>703-03 · Equipment</b>							
<b>703-032 · DC Power</b>							
Bill	06/01/2020	INV63...	Day Wireless Systems Inc.		15 Timberline	521.36	521.36
Bill	06/01/2020	INV63...	Day Wireless Systems Inc.		06 Mtn View	521.36	1,042.72
Bill	06/01/2020	INV62...	Day Wireless Systems Inc.		07 Pete's	521.36	1,564.08
Bill	06/01/2020	INV62...	Day Wireless Systems Inc.		09 Sandy	521.36	2,085.44
Bill	06/01/2020	INV62...	Day Wireless Systems Inc.		16 Canby	521.36	2,606.80
Bill	06/01/2020	INV62...	Day Wireless Systems Inc.		17 Estacada_D...	521.36	3,128.16
Bill	06/01/2020	INV62...	Day Wireless Systems Inc.		19 Day Hill	521.36	3,649.52
Bill	06/01/2020	INV62...	Day Wireless Systems Inc.		03 Damascus	521.36	4,170.88
Bill	06/01/2020	INV62...	Day Wireless Systems Inc.		27 Hoodland Fire	20,656.85	24,827.73
Bill	06/01/2020	INV62...	Day Wireless Systems Inc.		05 Mount Scott	35,948.21	60,775.94
Bill	06/01/2020	INV62...	Day Wireless Systems Inc.		12 Crutcher Ben...	521.36	61,297.30
Bill	06/01/2020	INV62...	Day Wireless Systems Inc.		40 All	4,666.68	65,963.98
Bill	06/01/2020	INV62...	Day Wireless Systems Inc.		05 Mount Scott	521.36	66,485.34
Bill	06/01/2020	INV62...	Day Wireless Systems Inc.		01 Carver/Barton	521.36	67,006.70
Bill	06/01/2020	INV62...	Day Wireless Systems Inc.		14 Lenhart	521.36	67,528.06
Bill	06/01/2020	INV62...	Day Wireless Systems Inc.		24 Sawtell Fire ...	521.36	68,049.42
Bill	06/01/2020	INV62...	Day Wireless Systems Inc.		40 All	777.78	68,827.20
Bill	06/01/2020	INV62...	Day Wireless Systems Inc.		04 Wilsonville T...	521.36	69,348.56
Bill	06/18/2020	INV63...	Day Wireless Systems Inc.		26 CCOM	15,167.77	84,516.33
Bill	06/18/2020	INV63...	Day Wireless Systems Inc.		40 All	2,580.00	87,096.33
Bill	06/29/2020	INV63...	Day Wireless Systems Inc.		40 All	777.78	87,874.11
Total 703-032 · DC Power						87,874.11	87,874.11
<b>703-034 · Microwave</b>							
Bill	06/17/2020	ZDH16...	CDW Government		40 All	3,628.68	3,628.68
Bill	06/30/2020	1892033	Microwave Networks Inc.		07 Pete's	17,000.00	20,628.68
Total 703-034 · Microwave						20,628.68	20,628.68
Total 703-03 · Equipment						108,502.79	108,502.79
Total 703-00 · Capital Outlay						988,742.60	988,742.60
Total Expense						1,023,979.73	1,023,979.73
Net Ordinary Income						-985,919.43	-985,919.43
<b>Net Income</b>						<b>-985,919.43</b>	<b>-985,919.43</b>

These financial statements have been prepared in a format prescribed by the entity and are not in accordance with accounting principles generally accepted in the United States of America. In addition, these 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.

## Clackamas 800 Radio Group

## Trial Balance

As of June 30, 2020

	Jun 30, 20	
	Debit	Credit
115-00 · Cash/Checking Account	845,199.17	
11000 · Accounts Receivable	210,490.93	
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		1,027,220.04
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
430-00 · Subscriber Radio Payments		38,051.12
431-00 · Interest Income		579.57
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	18,065.00	
625-00 · Generator Maintenance	2,642.98	
630-00 · UPS Maintenance	5,656.82	
645-00 · Insurance	39,290.94	
650-00 · Utilities	60,804.20	
655-00 · Consultant Services	62,725.90	
657-00 · Regional Radio Expense	0.00	
660-00 · WCCA System Fees	889,024.27	
665-00 · Radio Maintenance Fees	20,407.86	
670-00 · Legal Services	421.00	
675-00 · Financial Services	7,422.37	
680-00 · Audit Fees	9,600.00	
685-00 · Miscellaneous Expenses	1,111.64	
686-00 · Meeting Expenses	125.22	
703-011 · Land Improvement	9,036,011.64	
703-012 · Building	9,435.72	
703-013 · Tower	284,012.50	
703-014 · Generator	139,407.10	
703-021 · Simulcast / Master Site	4,473,172.93	
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	759,228.33	
703-032 · DC Power	471,938.15	
703-034 · Microwave	490,328.53	
703-036 · Fire Station Alerting	577,696.74	
<b>TOTAL</b>	<b>66,882,467.99</b>	<b>66,882,467.99</b>

# Clackamas 800 Radio Group

## Balance Sheet

As of June 30, 2020

	Jun 30, 20
<b>ASSETS</b>	
<b>Current Assets</b>	
<b>Checking/Savings</b>	
115-00 · Cash/Checking Account	845,199.17
<b>Total Checking/Savings</b>	845,199.17
<b>Accounts Receivable</b>	
11000 · Accounts Receivable	210,490.93
<b>Total Accounts Receivable</b>	210,490.93
<b>Total Current Assets</b>	1,055,690.10
<b>Fixed Assets</b>	
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
<b>Total Fixed Assets</b>	30,714,402.38
<b>Other Assets</b>	
180-00 · Deferred O/F-P25 Maintenance	5,812,058.44
<b>Total Other Assets</b>	5,812,058.44
<b>TOTAL ASSETS</b>	<b>37,582,150.92</b>
<b>LIABILITIES &amp; EQUITY</b>	
<b>Liabilities</b>	
<b>Current Liabilities</b>	
<b>Accounts Payable</b>	
201-00 · Accounts Payable	1,027,220.04
<b>Total Accounts Payable</b>	1,027,220.04
<b>Total Current Liabilities</b>	1,027,220.04
<b>Total Liabilities</b>	1,027,220.04
<b>Equity</b>	
310-00 · Investment in Fixed Assets	30,714,402.38
320-00 · Retained Earnings, Prior	6,442,331.43
Net Income	-601,802.93
<b>Total Equity</b>	36,554,930.88
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>37,582,150.92</b>

10:42 AM

07/15/20

## Clackamas 800 Radio Group

## A/R Aging Detail

As of June 30, 2020

	Type	Date	Num	Name	Due Date	Aging	Open Balance
<b>Current</b>							
	Invoice	06/19/2020	19-263	Wilsonville - PW / Transit	07/01/2020		38,051.12
Total Current							38,051.12
<b>1 - 30</b>							
Total 1 - 30							
<b>31 - 60</b>							
Total 31 - 60							
<b>61 - 90</b>							
	Invoice	03/13/2020	19-259	Tri Met	04/12/2020	79	28,729.13
	Invoice	03/13/2020	19-260	Tri Met	04/12/2020	79	29,591.00
	Invoice	03/13/2020	19-261	Tri Met	04/12/2020	79	30,478.73
Total 61 - 90							88,798.86
<b>&gt; 90</b>							
	Invoice	07/31/2018	18-166	Canby FD	07/31/2018	700	11,481.80
	Invoice	07/31/2018	18-188	Boring Water	07/31/2018	700	860.00
	Invoice	07/31/2018	18-192	Clackamas County - Transportation Eng	07/31/2018	700	8,170.00
	Invoice	07/15/2019	19-217	Canby FD	07/15/2019	351	29,670.00
	Invoice	07/15/2019	19-221	Colton Fire	07/15/2019	351	16,770.00
	Invoice	07/15/2019	19-240	Boring Water	07/15/2019	351	860.00
	Invoice	07/15/2019	19-244	Clackamas County - Transportation Eng	07/15/2019	351	11,180.00
	Invoice	01/20/2020	19-257	ODOT	01/20/2020	162	4,649.15
Total > 90							83,640.95
<b>TOTAL</b>							<b>210,490.93</b>



# RADIO PROJECT STATUS

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## Emergency Communication System Upgrade

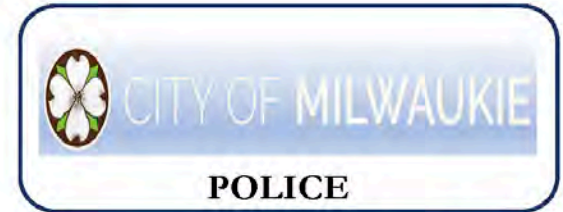
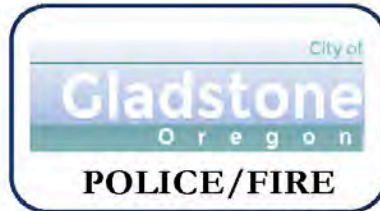
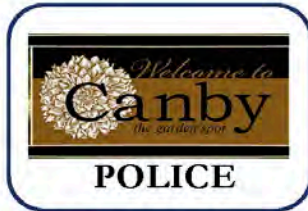
C800 Project Leader: John Hartsock

WCCCA Project Leader: Ron Polluconi

C800 Project Manager: Bjorn Morfin

Date: August 19, 2020

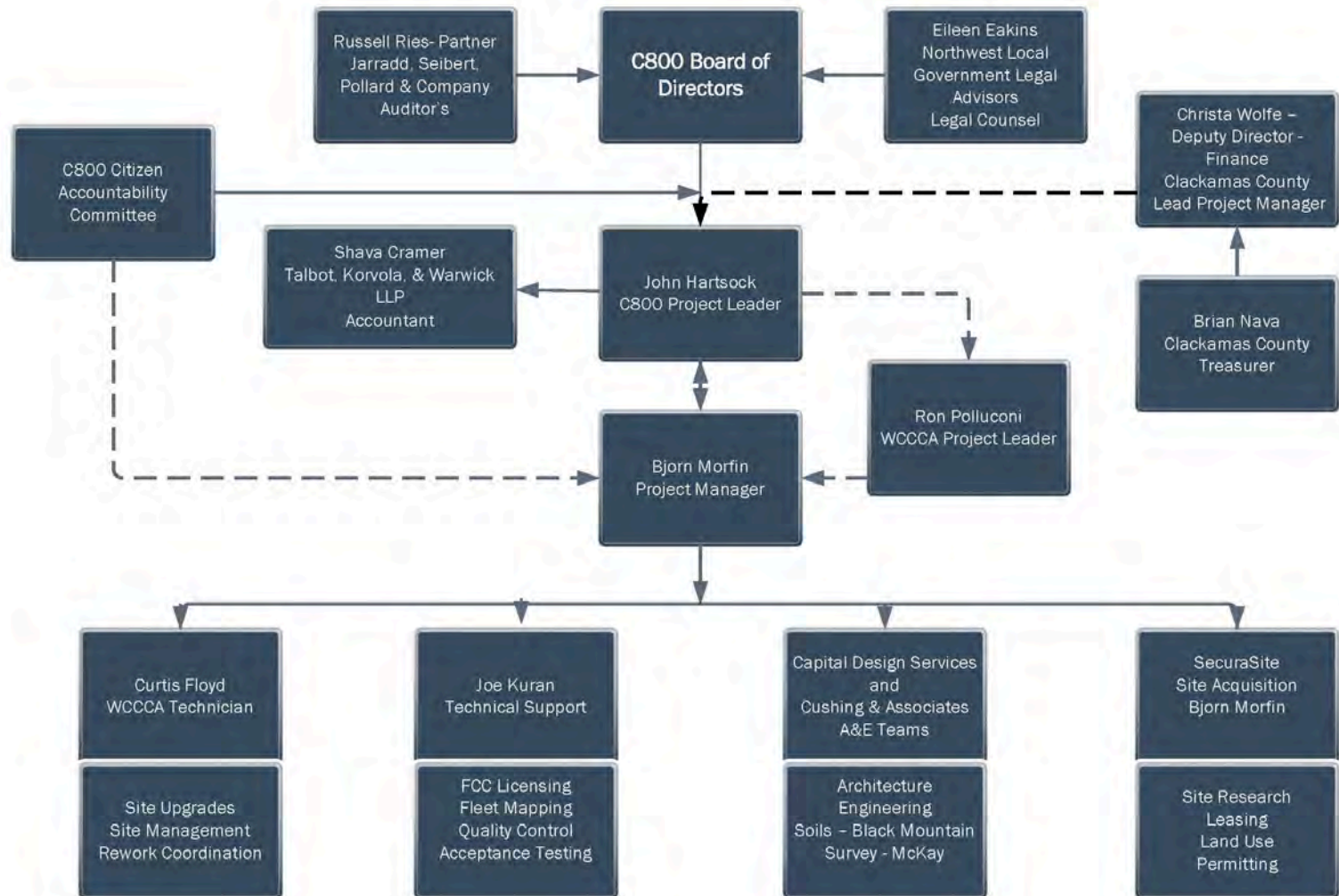




## THE NINETEEN PUBLIC SAFETY AGENCIES THAT MAKE UP CLACKAMAS 800 RADIO GROUP





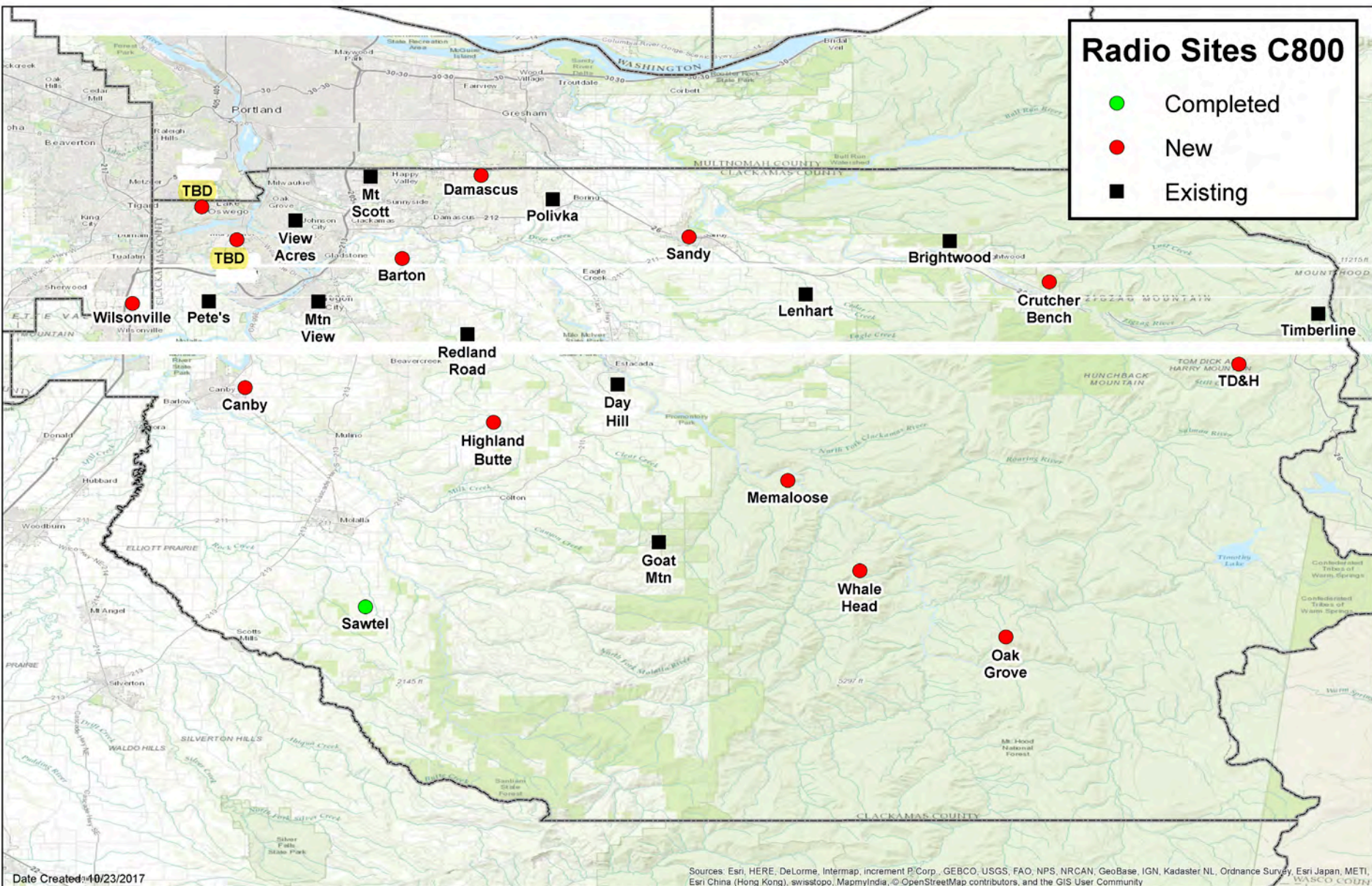


Clackamas 800 Radio Group Radio Replacement Project

# C800 Site Locations

## Radio Sites C800

- Completed
- New
- Existing





# 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 98% complete – turn over August 30.  
Whalehead – Construction 75% complete – turn over September 30  
Oak Grove – Construction 40% complete – turn over October 30  
TD&H - Awaiting USFS final approval / Ski Bowl easement  
anticipate construction start September
- **Two Sites in Lake Oswego / West Linn area - for in building coverage - on hold for more research and public meeting**

# 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. Anticipate completion August 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 complete. Installation of dispatch floor ground ring to be completed by September 30.
- **LOCOM:** New consoles when new building is complete.



# Project Schedule

Sun 8/16/20

ID	Task Name	Duration	Start	Finish
0	C800 Radio Systems Upgrade 8-19-2020	1203 days	Wed 6/1/16	Fri 1/8/21
1	Site Acquisition & Design & Construction	1153 days	Wed 6/1/16	Fri 10/30/20
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	933 days	Wed 4/5/17	Fri 10/30/20
30	Upgrade Existing Communications Sites	671 days	Mon 2/5/18	Mon 8/31/20
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	556 days	Mon 7/16/18	Mon 8/31/20
41	WCCCA/C800 Phase IV P25 System (Voice/Data/Paging)	1145 days	Mon 8/1/16	Fri 12/18/20
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	1160 days	Mon 8/1/16	Fri 1/8/21
44	Upgrade or Replace P25 Subscriber Radios	826 days	Mon 7/3/17	Mon 8/31/20
50	Upgrade P25 LMR Infrastructure	1090 days	Mon 8/1/16	Fri 10/2/20
53	New/upgraded alarms, security, telemetry, site management systems, procurement	400 days	Tue 1/1/19	Mon 7/13/20
58	Upgrade or Replace P25 IV&D Radio/Dispatch Consoles	1060 days	Mon 8/1/16	Fri 8/7/20
59	Recording/Logging equipment upgrade/replacement	425 days	Tue 2/5/19	Mon 9/21/20
63	Backup Dispatch (Wide and Control Station modes)	510 days	Mon 11/5/18	Fri 10/16/20
66	Site on Wheels (wide and ST modes)	500 days	Mon 11/5/18	Fri 10/2/20
69	Microwave Backhaul Systems	780 days	Mon 11/6/17	Fri 10/30/20
75	New/Upgrade 48 VDC and Battery Backup Systems	520 days	Mon 9/24/18	Fri 9/18/20
80	Paging, Messaging Systems upgrade/replacement	671 days	Mon 2/5/18	Mon 8/31/20





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

Project:	<b>C800 Radio System Upgrade</b>		
Date Original:	10/1/2015	Date Updated:	<b>July 31, 2020 JH Adjusted</b>
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 - Securasite	320,000	321,250	258,800	25,000	89.95%	605,050	(285,050)	544,271.14
Site Planning A&E - Cushing/Capital/Cundiff/Forensic/KPFF/SD C/ToddHess	725,000	692,391	468,930	(230,000)	97.80%	931,321	(206,321)	910,820.70
Geotechnical / Environmental Consulting - Black Mtn	250,000	443,670	60,000		98.58%	503,670	(253,670)	496,515.22
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	92.22%	1,550	1,950	1,429.43
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	300,000	25,000	92.15%	621,000	(321,000)	572,250.50
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>1,207,730</b>	<b>(157,180)</b>	<b>93.57%</b>	<b>3,170,096</b>	<b>(1,214,096)</b>	<b>2,966,250</b>
<b>Construction Cost</b>								
Site Construction	8,895,000	11,916,753	4,000,000	500,000	89.97%	16,416,753	(7,521,753)	14,770,369.28
Buildings	1,350,000	2,018,663	0	(130,000)	94.83%	1,888,663	(538,663)	1,790,999.32
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		94.70%	663,196	(163,196)	628,042.31
48VDC	1,065,000	1,443,767	0		87.86%	1,443,767	(378,767)	1,268,455.94
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>4,150,000</b>	<b>670,000</b>	<b>90.90%</b>	<b>22,113,236</b>	<b>(9,625,236)</b>	<b>20,100,461.91</b>

# C800 Radio System Upgrade Budget (2)

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	(500,000)	93.71%	20,165,476	560,524	18,897,709.81
Paging	373,000	269,228.00		75,000	97.32%	344,228	28,772	335,019.49
Subscriber Radios	5,000,000	9,409,958.00	295,032	(2,000,000)	43.74%	7,704,990	(2,704,990)	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	550,000	75,000	91.01%	3,296,467	71,533	3,000,152.44
Security System	1,364,000			700,000	0.15%	700,000	664,000	1,079.96
Fire Station Alerting	0	1,697,407	(7,261)	25,000	90.83%	1,715,146	(1,715,146)	1,557,862.03
<b>Subtotal Equipment Costs</b>	<b>36,850,000</b>	<b>40,056,755</b>	<b>1,509,807</b>	<b>(1,500,000)</b>	<b>82.30%</b>	<b>40,066,562</b>	<b>(3,216,562)</b>	<b>32,973,849</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>6,900,737</b>	<b>(987,180)</b>	<b>85.82%</b>	<b>65,673,465</b>	<b>(14,079,465)</b>	<b>56,364,108</b>
<b>Additional Proceeds</b>	<b>7,084,900</b>					<b>(7,084,900)</b>	<b>7,084,900</b>	
<b>Adjusted Project Costs</b>	<b>58,678,900</b>	<b>59,759,908</b>	<b>6,900,737</b>	<b>(987,180)</b>	<b>85.82%</b>	<b>58,588,565</b>	<b>(6,994,565)</b>	
<b>Contingency</b>	<b>7,406,000</b>			<b>400,000</b>	<b>0.00%</b>	<b>400,000</b>	<b>7,006,000</b>	
<b>Total Project Cost</b>	<b>66,084,900</b>	<b>59,759,908</b>	<b>6,900,737</b>	<b>(587,180)</b>	<b>95.55%</b>	<b>58,988,565</b>	<b>11,435</b>	<b>56,364,107.83</b>

<b>Bond Proceeds</b>	5,845,000	Taxable
	53,155,000	Non Taxable
	<b>59,000,000</b>	
<b>Additional Proceeds</b>	4,409,900	Subscriber Radio Payments
	2,675,000	PGE Payment
	<b>7,084,900</b>	
<b>Total Proceeds</b>	<b>66,084,900</b>	

<b>Premium Bond Proceeds</b>	<b>7,165,794</b>
<b>Interest Income</b>	<b>1,300,000</b>
<b>Additional Funds</b>	<b>8,465,794</b>
<b>County oversight fees</b>	<b>(100,000)</b>
<b>Total Available</b>	<b>8,365,794</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 / 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>• Site Construction</li></ul>	<ul style="list-style-type: none"><li>• Whalehead / Oak Grove Butte / Tom Dick &amp; Harry / Goat Mt</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:

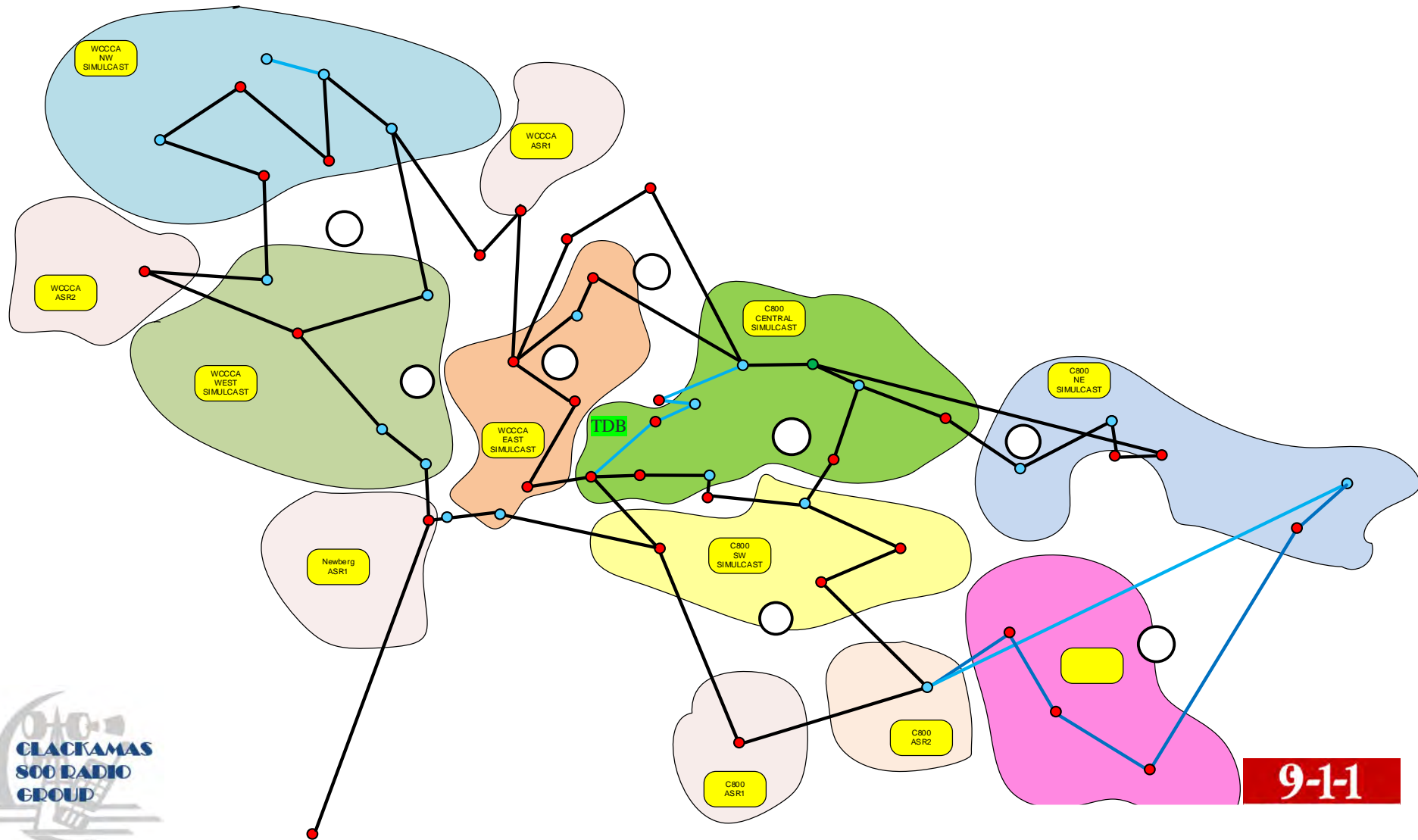
To create an efficient, dependable public safety radio communications system that works in all parts of Clackamas County!

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



# Site Connectivity:

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





Memaloose 7/21/20





53,160 lineal feet to date



CLACKAMAS  
SQUAD RADIO  
GROUP

WHALEHEAD





11300 SE Fuller Rd  
Milwaukie, Oregon 97222  
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C800.ORG

## Board of Directors Information Item

**To:** C800 Board of Directors  
**From:** John Hartsock, Manager  
**Date:** August 19, 2020  
**Re:** Radio Sites for Lake Oswego / West Linn to Provide In-Building Coverage

**DESCRIPTION:** One of the goals of the replacement and expansion of the C800 public safety radio system bond project was to provide improved in-building radio coverage in areas that are within the Urban Growth Boundary. In the Lake Oswego / West Linn area the team has reviewed in excess of forty different sites to accomplish this goal. This area is bounded by I-5 on the West / the Clackamas County line on the North to the Willamette River then east along the river to I-205 on the South / then I-205 back to -5 – it incorporates the City of Lake Oswego / City of West Linn / and unincorporated portions of Clackamas County.

**HISTORY:** After an extensive engineering review the two initial sites were selected - one on Cooks Butte and one on Kerr Road in Lake Oswego. After a preliminary neighborhood meeting on the Kerr Road site, the City of Lake Oswego requested that we do additional study. The City of Lake Oswego granted us a lease for the Cooks Butte site. After considerable engineering and design work the City terminated the lease due to a deed restriction issue and considerable public outcry.

An alternative to the Cooks Butte site is a site located at the SE corner of Upper Cherry Lane/Bergis Rd/Skyland in unincorporated Clackamas County. The landlord has granted a lease for the property to C800. This land is zoned EFU and thus more challenging to obtain land use. As with the above sites this site too has strong neighborhood objections.

Another alternative to the Cooks Butte site is one located at 19676 Kapteyns St in West Linn. This site is owned by ODOT who has advised they are willing to lease the site to C800. Though surrounded by the City of West Linn this 2+ acre parcel is within unincorporated Clackamas County for land use and permitting. The property is zoned FU10 and in accordance with the Clackamas Zoning Ordinance a public safety communications facility is an allowed use. As we were completing the required Type 1 land use process the City of West Linn requested a presentation to their City Council. This resulted in another considerable public outcry.

**NEXT STEPS:** After discussion with the County Administrator, Gary Schmidt, and the West Linn City Manager, John Williams, I am recommending that we stall the process of locating a site in this area for the time being. Gary Schmidt, through the County Resolution Services Agency, will organize a town hall meeting to review and make recommendations for a solution. The meeting is intended to include elected officials from the City of West Linn / City of Lake Oswego / Clackamas County / Lake Oswego Police and Fire officials / West Linn Police officials / Clackamas County Sheriff officials / Tualatin Fire and Rescue officials, as well as Citizen representatives from the area.

The plan is to hold this meeting in early January of 2021. Two reasons for waiting until January. First the new radio system will be on the air by that time and we will be able to document actual coverage of the system versus our computer models. We will be able to have public safety personnel provide firsthand description of the system.

The second reason is this will allow the election season to be over and any new elected officials to be in place.

After considerable discussion with the project team we feel this is the most effective way to address this situation. Charging ahead at this point will incur extensive costs for all parties and create considerable delays.

I ask for your concurrence with this direction.





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## **Board of Directors Information Item**

**To:** C800 Board of Directors  
**From:** John Hartsock, Manager  
**Date:** August 19, 2020  
**Re:** South County Fire Mutual Aid Radios

### **DESCRIPTION:**

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 Districts 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				5
USFS	15				15
Woodburn	2	5	3		3
Hubbard	0	3			3
St Paul	<u>0</u>	<u>3</u>			<u>3</u>
<b>Total</b>	<b>55</b>				<b>50</b>

In reviewing these requests with Ron Polluconi, he has advised that collectively we have enough of the digital capable E series radios to accommodate these mutual aid requests.





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## Board of Directors Action Request

**To:** C800 Board of Directors  
**From:** John Hartsock, Manager  
**Date:** August 19, 2020  
**Re:** Approve the Purchase of Logging Recorder Equipment for CCOM and LOCOM

**REQUEST:** It is hereby requested that the C800 Board of Directors approve purchasing a logging recorder system from Equature for CCOM and LOCOM in the amount of \$508,020.

**DESCRIPTION:** The existing logging recorder systems at CCOM and LOCOM are nearing their end of useful life. These are analog systems not compatible with the new digital radio system, CAD system, Next Gen 9-1-1 equipment. The new system will be a geo-diverse solution with 100% redundancy. The system at WCCCA will be interconnected with these systems to provide this redundancy. The replacement of the logging recorder system was included as part of the communications upgrade project.

The WCN technical team in concert with the PSAPS did extensive research of potential solutions. Three vendors were determined to be finalist that meant the requirements: Those vendors were NICE Inform / Verint / Equature. Equature was chosen after careful review and evaluation. It should be noted that the current solution is an early generation of Equature.

In accordance with ORS 279A-205 this procurement is being facilitated through a cooperative purchasing agreement.

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

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

**RECOMMENDATION:** It is hereby recommended that the C800 Board of Directors approve purchasing a logging recorder system from Equature for CCOM and LOCOM in the amount of \$508,020.





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## Board of Directors Action Request

**To:** C800 Board of Directors  
**From:** John Hartsock, Manager  
**Date:** August 19, 2020  
**Re:** Approve the Award of Contract for the Furnishing and Installation of a Grounding System for CCOM.

**REQUEST:** It is hereby requested that the C800 Board of Directors authorize entering into a contract with (name to be provided at the meeting) for the furnishing and installation of a grounding system at CCOM in the amount of: (amount to be provided at the meeting).

**DESCRIPTION:** In replacing the console equipment at CCOM it was determined that the grounding system for the consoles and related equipment was non-existent. There are extensive requirements from Motorola outlined in their R56 manual for appropriate system grounding. This grounding system is vitally important for dispatcher safety and the proper operation of all console equipment.

In concert with Motorola a scope of work was developed, and a Request for Proposal was issued on July 31, 2020 for the work. Proposals are due on August 18, 2020 from qualified vendors. C800 staff will evaluate the proposals and bring a recommendation to the August 19, 2020 meeting. Staff is taking this unusual approach to assure the work can be completed in time as to not delay the radio equipment install in the consoles.

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

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

**RECOMMENDATION:** It is hereby recommended that the C800 Board of Directors authorize entering into a contract with (name to be provided at the meeting) for the furnishing and installation of a grounding system at CCOM in the amount of: (amount to be provided at the meeting).