

# CLACKAMAS C800 RADIO GROUP

## BUDGET COMMITTEE MEETING BOARD OF DIRECTORS MEETING

March 17, 2021 / 9:00AM

**This will be a ZOOM Meeting**

Join Zoom Meeting

<https://clackamascounty.zoom.us/j/89006024138>

Phone in: (253)215-8782 Meeting ID: 890 0602 4138

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

a. City of Canby	h. City of West Linn	o. Molalla Fire District
b. City of Gladstone	i. Aurora Fire District	p. Sandy Fire District
c. City of Lake Oswego	j. Canby Fire District	q. Tualatin Valley Fire & Rescue
d. City of Milwaukie	k. Clackamas County Fire District #1	r. Clackamas County Sheriff
e. City of Molalla	l. Colton Fire District	s. Clackamas County Health
f. City of Oregon City	m. Estacada Fire District	
g. City of Sandy	n. Hoodland Fire District	
3. \*Approval of Minutes of February 17, 2021 Board Meeting - Rick Huffman
4. Public Comment - Rick Huffman
5. Communications - John Hartsock
6. Financial Report - February 2021 - John Hartsock
7. \*Presentation and Acceptance of the FY 2021/2022 Proposed Budget - John Hartsock
8. Committee Reports
  - a. Executive Committee - Rick Huffman
  - b. Technical Committee - John Hartsock
  - c. Citizen Accountability - John Hartsock - Next Meeting March 17, 2021 Zoom
9. Old Business: (\* Action Item)
  - a. System Management: Ron Polluconi
  - b. System Upgrade/Replacement
    - i. Project Status / Procurement: Bjorn Morfin / John Hartsock
    - ii. Logging Recorders: John Hartsock

- iii. LOCOM Move: John Hartsock
- iv. 800 Paging: Ron Polluconi
- v. Portable Radio Antenna: Ron Polluconi
- vi. DVRS - repeaters: Ron Polluconi

10. New Business: (\* Action Item)

- a. \* Approval of Contract with Genesis for radio system management
- b. **Next Board Meeting April 21, 2021 9:00A ZOOM**

11. Open Agenda

12. Adjournment

# **CLACKAMAS C800 RADIO GROUP**

## **BOARD OF DIRECTORS MEETING**

### **Meeting Minutes of the February 17, 2021 Meeting**

**This meeting was held via ZOOM.**

**1. C800 Board Meeting Called to Order at 0903.**

**2. The following were in attendance:**

City of Canby: Chief Bret Smith  
City of Gladstone: Randy Hopperstad  
City of Lake Oswego: Sue Scobert  
City of Milwaukie: Tim Gerkman  
City of Sandy: Chief Ernie Roberts  
City of West Linn: Chief Peter Mahuna  
Canby Fire Dist: Chief Jim Davis  
Colton Fire Dist: Chief Mike Everhart  
Clackamas Fire Dist # 1 Div Chief Michael Carlsen, Jessamyn Ode

Estacada Fire Dist: Div Chief Michael Carlsen  
Molalla Fire Dist: Chief Jim Davis (proxy)  
Sandy Fire Dist: Chief Phil Schneider  
TVF&R: Asst Chief Mark Havener  
CCOM: Cheryl Bledsoe / Toni Sexton / Megan Neece / Tony Collins  
WCCCA: Jennifer Reese  
Clackamas County: Brian Nava  
C800: John Hartsock / Bjorn Morfin  
Citizens: Melissa Framiglio

**3. Approval of Minutes – January 27, 2021 Board Meeting**

John noted: Chief Williams and Ops Chief Dyke attended for Aurora Fire / Under New Business 2021 C800 Board Elections corrected spelling of: Chief Bret Smith / Lt. Jorge Tro.

**Chief Jim Davis moved, and Chief Phil Schneider seconded. Motion passed unanimously.**

**4. Public Comment:** None.

**5. Communications:** None.

**6. Financial Report – January 2021 - John Hartsock**

John reported that C800 is on budget and have no unusual items to report.

**\*Acceptance of FY 2019/2020 Audit Report** – John advised that last month he provided the FY 19/20 audit report and the Audit letter noting no issues from the auditor. This month, he is requesting that the Board accept the report.

**Chief Ernie Roberts made the motion and Chief Frank Schoenfeld seconded to accept the FY 2019/2020 audit report. Motion passed unanimously.**

**7. Committee Reports**

**Executive Committee – Bret Smith:** Did not meet.

**Technical Committee - John Hartsock:** Did not meet.

**Citizen Accountability - John Hartsock:** John said that the next meeting is March 17 2021.

## **8. Old Business:**

**System Management:** John said that the system has maintained full operation during the recent storm. A number of sites were running on generators and they had ample fuel. There was some outages at LOCOM due to ice on the microwave dishes. Ron and his team have been checking on the sites and inspecting them after the storm event.

For LOCOM, Sue said her dispatchers were on mobile radios on their desktops. It was workable and the users were very responsive and supportive. They limited radio traffic to the best of their abilities. They had a lot of issues. They lost power, radios, and at one point they lost their back up generator.

For CCOM, Cheryl said that call volumes were double or triple the normal amount. Tony said that they had a couple days where the call volume was higher than during the wildfires. They had over 3,000+ calls per day for a couple days. Some employees don't have power at home but have been working hard and even sleeping at work. Call volume is back down to normal now.

### **System Upgrade/Replacement**

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

Bjorn reported that they were still trying to get up to Memaloose to assess the wildfire damage. He tried a couple weeks ago but reached deep snow and were unable to move forward. He was working with the forest service to hopefully clear the road up to Memaloose. He is hoping to hear back this week.

They got approval from ODOT and the forest service to continue working on the power for Whalehead. The contractor is assessing what needs to be replaced. They won't get in to make repairs on the site until spring. No updates for TD&H as they need to wait for the snow to melt.

For the West Linn/Lake Oswego potential sites, John noted that he has not heard back from Resolutions Services yet. Many city agencies are tied up with the ice/snow event. John wanted to clear up some possible confusion from the last meeting. There are areas in Lake Oswego that are impacted by the lack of towers in that area. Digital signals are either there or they're not. It takes time to reconnect to the signal again if its lost. Officers and firefighters have challenges in various areas with portable radios outside and within buildings. The new system will continue to present portable radios issues. They are doing a series of maps that show the coverage today versus what the coverage will be once the sites are up and running. The mapping efforts have been delayed due to the storm.

Motorola is continuing to install as is Microwave Networks so they can proceed with radio coverage testing.

#### **Logging Recorders – John Hartsock**

John said they installed the new logging recorders at CCOM on Feb. 16. They are working on LOCOM on Feb. 17. They are not hooked up yet, just installing and testing.

#### **LOCOM Move – John Hartsock**

This was planned for Monday Feb 15th, but this was delayed due to the storm. It is now planned for Monday, Feb. 22. Motorola has installed the new consoles and some of the radio work is also complete. They still need to move the existing CEB so they can keep them on the existing radio system. They anticipate moving into the building as early as March 6.

#### **Fire Station Alerting:**

John said there is no updates.

**800 MHz Paging (voice):** John said that Ron has not heard back from the vendor.

**Portable Radio Antennas:** John said there is nothing new on this. They were waiting on a shipment of antennas that was delayed.

**DVRS – repeaters:** John said there was nothing new yet. There was some testing going on in Hillsboro and west county. This will be much more effective once the digital system is connected.

**Citizen Question:** Melissa Framiglio of the Skyland Neighborhood asked if Lindquist has given notice of nonrenewal of the lease, why is that site still an option? She and her family are afraid if there is ice and wind, like the recent storm, that the tower may fall on their home. They had concerns for their safety.

John said it's still a viable site and it's going to be in the list of all the sites that they will look at during the process. She will have a voice through the County. Generally, at that low of elevation, there is not much ice on the towers. They have not had any incidence of any towers blowing over. It is a potential risk, and they will take that into account when they are reviewing the sites.

#### **New Business (\*Action Item)**

- **Approval of use of Premium Dollars – John Hartsock**

John asked for the Board to approve the request to the Clackamas County Board of Commissioners for the use of Bond Premium dollars in the amount of \$4.5 million for cost overruns and cash flow issues. They have \$2.6 million coming from PGE, but they can't fund the agreement until C800 turns over the Oak Grove and Memaloose sites. They were hoping to provide those sites in October, but due to the wildfires, that was delayed.

He estimated that they'll only need about \$500,000 from the fund. He is requesting the use of these funds for contingency funds.

Chief Mark Havener said in Washington County, when they proposed a bond funding the radio communications improvements, there was language that stated that they weren't allowed to use the new facilities for revenue for a period of time. Is there similar language in the Clackamas County Bond?

John said there was not.

#### **Mark Havener made a motion and Chief Jim Davis seconded to approve the use of Premium Dollars in the amount of \$4.5 million.**

Chief Bret Smith asked does the amount of potential refund money impacted by the use of the Premium Dollars? Does it delay reimbursement to the agencies?

John said that no, it does not. The funds are to keep the project moving and to turn over the sites as soon as possible (spring).

Chief Jim Davis asked for the reimbursement, when does he expect that they'll get that money back?

John expected it would be after turn on.

Chief Bret thought he heard it might be after July.

John said that's a potential depending on when they can get to the Hwy 24 sites for repairs and completion of construction. It could potentially be in the next fiscal year.

#### **The motion passed unanimously.**

**Next Board Meeting**

Next meeting will be March 17, 2021 at 9:00AM Location: Zoom

**9. Open Agenda**

Chief Jim Davis noted that he is also representing Molalla today.

**10. Adjournment** - Meeting adjourned at 9:30 AM

# Clackamas 800 Radio Group

## Profit & Loss Budget vs. Actual

### July 2020 through February 2021

	Jul '20 - Feb 21	Budget	\$ Over Budget	% of Budget
<b>Ordinary Income/Expense</b>				
<b>Income</b>				
401-00 · Beginning Fund Balance	0.00	1,252,328.00	-1,252,328.00	0.0%
405-00 · Members Contracts	66,220.00	68,800.00	-2,580.00	96.3%
410-00 · Partners Fees	1,068,893.20	1,049,200.00	19,693.20	101.9%
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	109,671.73	125,000.00	-15,328.27	87.7%
431-00 · Interest Income	95.84	800.00	-704.16	12.0%
435-00 · Lease Revenue	36,521.08	66,625.00	-30,103.92	54.8%
440-00 · Miscellaneous Income	251,453.00	500.00	250,953.00	50,290.6%
450-00 · Intergovernmental-Clackamas Co	6,314,842.92	15,000,000.00	-8,685,157.08	42.1%
455-00 · Bond Interest Income	0.00	0.00	0.00	0.0%
<b>Total Income</b>	<b>7,847,697.77</b>	<b>17,563,253.00</b>	<b>-9,715,555.23</b>	<b>44.7%</b>
<b>Gross Profit</b>	<b>7,847,697.77</b>	<b>17,563,253.00</b>	<b>-9,715,555.23</b>	<b>44.7%</b>
<b>Expense</b>				
605-00 · Site Rental	228,481.86	212,512.00	15,969.86	107.5%
610-00 · Fuel/Generators	15,567.71	14,625.00	942.71	106.4%
615-00 · HVAC Maintenance	15,431.39	22,100.00	-6,668.61	69.8%
620-00 · Landscape Maintenance	18,800.00	13,500.00	5,300.00	139.3%
621-00 · Office Supplies	0.00	1,500.00	-1,500.00	0.0%
622-00 · Bad Debt Expense	19,350.00			
625-00 · Generator Maintenance	3,532.90	25,000.00	-21,467.10	14.1%
630-00 · UPS Maintenance	2,646.00	7,500.00	-4,854.00	35.3%
635-00 · Battery Maintenance	0.00	5,000.00	-5,000.00	0.0%
645-00 · Insurance	52,974.59	50,000.00	2,974.59	105.9%
650-00 · Utilities	49,213.05	135,000.00	-85,786.95	36.5%
655-00 · Consultant Services	36,124.56	55,000.00	-18,875.44	65.7%
657-00 · Regional Radio Expense	0.00	1,500.00	-1,500.00	0.0%
660-00 · WCCCA System Fees	568,662.75	758,217.00	-189,554.25	75.0%
665-00 · Radio Maintenance Fees	63,418.87	50,000.00	13,418.87	126.8%
670-00 · Legal Services	950.00	7,500.00	-6,550.00	12.7%
675-00 · Financial Services	4,355.00	9,500.00	-5,145.00	45.8%
680-00 · Audit Fees	6,920.00	10,000.00	-3,080.00	69.2%
683-00 · Capital Reserve	0.00	150,000.00	-150,000.00	0.0%
685-00 · Miscellaneous Expenses	658.84	7,418.00	-6,759.16	8.9%
686-00 · Meeting Expenses	100.00	2,500.00	-2,400.00	4.0%
<b>703-00 · Capital Outlay</b>				
703-01 · Buildings & Land Improvement				
703-011 · Land Improvement	4,461,765.10	0.00	4,461,765.10	100.0%
703-012 · Building	245,254.28	0.00	245,254.28	100.0%
703-013 · Tower	4,662.00	0.00	4,662.00	100.0%
703-014 · Generator	25,498.00	0.00	25,498.00	100.0%
703-01 · Buildings & Land Improvement - Other	0.00	0.00	0.00	0.0%
<b>Total 703-01 · Buildings &amp; Land Improvement</b>	<b>4,737,179.38</b>	<b>0.00</b>	<b>4,737,179.38</b>	<b>100.0%</b>
<b>703-02 · Radio Backbone</b>				
703-021 · Simulcast / Master Site	965,678.23	0.00	965,678.23	100.0%
703-022 · Subscriber Radios	313,781.48	0.00	313,781.48	100.0%
703-023 · Console Equipment	8,680.36			
703-024 · Paging	55,795.82			
703-026 · Cat. 6 Fire Station Alerting	174,940.16			
<b>Total 703-02 · Radio Backbone</b>	<b>1,518,876.05</b>	<b>0.00</b>	<b>1,518,876.05</b>	<b>100.0%</b>
<b>703-03 · Equipment</b>				
703-031 · Security System	164.68			
703-032 · DC Power	22,554.38	0.00	22,554.38	100.0%
703-034 · Microwave	124,077.11	0.00	124,077.11	100.0%
703-03 · Equipment - Other	0.00	0.00	0.00	0.0%
<b>Total 703-03 · Equipment</b>	<b>146,796.17</b>	<b>0.00</b>	<b>146,796.17</b>	<b>100.0%</b>
<b>703-04 · Capital Outlay Service</b>	<b>13,233.16</b>	<b>0.00</b>	<b>13,233.16</b>	<b>100.0%</b>
<b>703-00 · Capital Outlay - Other</b>	<b>0.00</b>	<b>15,800,000.00</b>	<b>-15,800,000.00</b>	<b>0.0%</b>
<b>Total 703-00 · Capital Outlay</b>	<b>6,416,084.76</b>	<b>15,800,000.00</b>	<b>-9,383,915.24</b>	<b>40.6%</b>

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03/04/21

Accrual Basis

**Clackamas 800 Radio Group**  
**Profit & Loss Budget vs. Actual**  
 July 2020 through February 2021

	Jul '20 - Feb 21	Budget	\$ Over Budget	% of Budget
795-00 · Debt Service	0.00	0.00	0.00	0.0%
800-00 · Operating Contingency	0.00	100,000.00	-100,000.00	0.0%
999-00 · Unappropriated End Fund Bal	0.00	124,881.00	-124,881.00	0.0%
<b>Total Expense</b>	<b>7,503,272.28</b>	<b>17,563,253.00</b>	<b>-10,059,980.72</b>	<b>42.7%</b>
<b>Net Ordinary Income</b>	<b>344,425.49</b>	<b>0.00</b>	<b>344,425.49</b>	<b>100.0%</b>
<b>Net Income</b>	<b>344,425.49</b>	<b>0.00</b>	<b>344,425.49</b>	<b>100.0%</b>



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03/04/21

Accrual Basis

# Clackamas 800 Radio Group Profit & Loss Detail

February 2021

Type	Date	Num	Name	Memo	Class	Amount	Balance
<b>Ordinary Income/Expense</b>							
<b>Income</b>							
<b>431-00 · Interest Income</b>							
Deposit	02/28/2021			Interest		8.73	8.73
Total 431-00 · Interest Income						8.73	8.73
<b>435-00 · Lease Revenue</b>							
Invoice	02/03/2021	19-322	Tri Met	Polivka Hill - 2021 January thr...		12,390.13	12,390.13
Invoice	02/03/2021	19-322	Tri Met	Pete's Mountain - 2021 Janua...		19,944.76	32,334.89
Deposit	02/24/2021		FBI	Deposit		130.00	32,464.89
Deposit	02/24/2021		FBI	Deposit		130.00	32,594.89
Total 435-00 · Lease Revenue						32,594.89	32,594.89
<b>440-00 · Miscellaneous Income</b>							
Invoice	02/20/2021	19-323	ODOT	New 180' Sabre Industries To...		58,453.00	58,453.00
Total 440-00 · Miscellaneous Income						58,453.00	58,453.00
<b>450-00 · Intergovernmental-Clackamas Co</b>							
Deposit	02/26/2021		Clackamas County - Bond Related	Deposit		717,037.68	717,037.68
Total 450-00 · Intergovernmental-Clackamas Co						717,037.68	717,037.68
Total Income						808,094.30	808,094.30
Gross Profit						808,094.30	808,094.30
<b>Expense</b>							
<b>605-00 · Site Rental</b>							
Bill	02/28/2021		Focus Commercial, Inc.			1,195.00	1,195.00
Total 605-00 · Site Rental						1,195.00	1,195.00
<b>610-00 · Fuel/Generators</b>							
Bill	02/24/2021	INV01...	WCCCA	Ferrellgas 1114369975		617.82	617.82
Bill	02/24/2021	INV01...	WCCCA	Ferrellgas 1114311623		575.25	1,193.07
Bill	02/24/2021	INV01...	WCCCA	Ferrellgas 1114334340		836.54	2,029.61
Bill	02/24/2021	INV01...	WCCCA	Ferrellgas 2010076696		886.98	2,916.59
Bill	02/24/2021	INV01...	WCCCA	Ferrellgas 2010298917		228.72	3,145.31
Total 610-00 · Fuel/Generators						3,145.31	3,145.31
<b>615-00 · HVAC Maintenance</b>							
Bill	02/01/2021	161500	Hunter-Davisson, Inc.			1,250.08	1,250.08
Total 615-00 · HVAC Maintenance						1,250.08	1,250.08
<b>650-00 · Utilities</b>							
Check	02/04/2021	EFT	PGE			318.28	318.28
Check	02/04/2021	EFT	PGE			385.52	703.80
Check	02/08/2021	EFT	PGE			148.30	852.10
Check	02/09/2021	EFT	PGE			141.83	993.93
Check	02/09/2021	EFT	PGE			506.26	1,500.19
Check	02/10/2021	EFT	PGE			176.45	1,676.64
Check	02/11/2021	EFT	PGE			462.92	2,139.56
Check	02/16/2021	EFT	PGE			281.70	2,421.26
Check	02/19/2021	EFT	PGE			472.41	2,893.67
Check	02/22/2021	EFT	PGE			109.24	3,002.91
Check	02/22/2021	EFT	PGE			221.17	3,224.08
Check	02/22/2021	EFT	PGE			353.69	3,577.77
Check	02/22/2021	EFT	PGE			460.63	4,038.40
Check	02/22/2021	EFT	PGE			649.38	4,687.78
Check	02/23/2021	EFT	PGE			175.61	4,863.39
Check	02/24/2021	EFT	PGE			357.35	5,220.74
Check	02/26/2021	EFT	Canby Utility	190236		113.16	5,333.90
Check	02/26/2021	EFT	PGE			171.08	5,504.98
Check	02/26/2021	EFT	PGE			478.77	5,983.75
Total 650-00 · Utilities						5,983.75	5,983.75
<b>655-00 · Consultant Services</b>							
Bill	02/28/2021	21-2-28	Hartsock Project Mgmt.			4,464.78	4,464.78
Total 655-00 · Consultant Services						4,464.78	4,464.78
<b>665-00 · Radio Maintenance Fees</b>							
Bill	02/24/2021	INV01...	WCCCA	Tessco 391886		1,893.21	1,893.21
Bill	02/24/2021	INV01...	WCCCA	Tessco 413777		842.23	2,735.44
Bill	02/24/2021	INV01...	WCCCA	Advanced Locking Solutions ...		50.48	2,785.92
Bill	02/24/2021	INV01...	WCCCA	Grainger 9753398131		639.50	3,425.42
Bill	02/25/2021	INV66...	Day Wireless Systems Inc.			1,080.00	4,505.42
Bill	02/28/2021	INV66...	Day Wireless Systems Inc.			1,662.09	6,167.51
Bill	02/28/2021	INV66...	Day Wireless Systems Inc.			333.25	6,500.76
Total 665-00 · Radio Maintenance Fees						6,500.76	6,500.76
<b>675-00 · Financial Services</b>							
General Journal	02/04/2021	AJE 14		To re-classify capital service f...		-13,233.16	-13,233.16
Check	02/28/2021			Service Charge		20.00	-13,213.16
Total 675-00 · Financial Services						-13,213.16	-13,213.16

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03/04/21

Accrual Basis

# Clackamas 800 Radio Group Profit & Loss Detail

February 2021

Type	Date	Num	Name	Memo	Class	Amount	Balance
<b>703-00 · Capital Outlay</b>							
<b>703-01 · Buildings &amp; Land Improvement</b>							
<b>703-011 · Land Improvement</b>							
Bill	02/13/2021	9460	Securasite LLC		40 All	1,285.00	1,285.00
Bill	02/13/2021	9459	Securasite LLC		40 All	340.75	1,625.75
Bill	02/14/2021	9463	Securasite LLC		04 Wilsonville T...	181.25	1,807.00
Bill	02/20/2021	9487	Securasite LLC		03 Damascus	108.00	1,915.00
Bill	02/20/2021	9489	Securasite LLC		40 All	3,775.00	5,690.00
Bill	02/20/2021	9485	Securasite LLC		19 Day Hill	43.50	5,733.50
Bill	02/20/2021	9486	Securasite LLC		19 Day Hill	356.25	6,089.75
Bill	02/20/2021	9488	Securasite LLC		40 All	261.00	6,350.75
Bill	02/20/2021	9484	Securasite LLC		02 Skyland/Coo...	75.00	6,425.75
Total 703-011 · Land Improvement						6,425.75	6,425.75
Total 703-01 · Buildings & Land Improvement						6,425.75	6,425.75
<b>703-02 · Radio Backbone</b>							
<b>703-021 · Simulcast / Master Site</b>							
Bill	02/28/2021		Redefyne Moving		40 All	2,500.00	2,500.00
Total 703-021 · Simulcast / Master Site						2,500.00	2,500.00
<b>703-023 · Console Equipment</b>							
Bill	02/22/2021	SI-513...	Lile International Companies		28 LOCOM	894.18	894.18
Bill	02/23/2021	21-0208	HVL Electronics & Furniture		26 CCOM	4,882.00	5,776.18
Bill	02/23/2021	21-0201	HVL Electronics & Furniture		28 LOCOM	935.00	6,711.18
Total 703-023 · Console Equipment						6,711.18	6,711.18
<b>703-024 · Paging</b>							
Bill	02/01/2021	SI-512...	Lile International Companies		40 All	540.00	540.00
Bill	02/04/2021	SI-512...	Lile International Companies		40 All	540.00	1,080.00
Total 703-024 · Paging						1,080.00	1,080.00
Total 703-02 · Radio Backbone						10,291.18	10,291.18
<b>703-03 · Equipment</b>							
<b>703-034 · Microwave</b>							
Bill	02/05/2021	1820	Lexicom Wireless		28 LOCOM	48,378.89	48,378.89
Bill	02/05/2021	1823	Lexicom Wireless		28 LOCOM	2,782.92	51,161.81
Bill	02/17/2021	1832	Lexicom Wireless		28 LOCOM	706.70	51,868.51
Bill	02/24/2021	INV01...	WCCCA	Lile SI-512517	40 All	5,467.20	57,335.71
Bill	02/24/2021	INV01...	WCCCA	Lile SI-512993	40 All	5,467.20	62,802.91
Bill	02/26/2021		Staats, David		19 Day Hill	22,500.00	85,302.91
Total 703-034 · Microwave						85,302.91	85,302.91
Total 703-03 · Equipment						85,302.91	85,302.91
<b>703-04 · Capital Outlay Service</b>							
General Journal	02/04/2021	AJE 14		To re-classify capital service f...		13,233.16	13,233.16
Total 703-04 · Capital Outlay Service						13,233.16	13,233.16
Total 703-00 · Capital Outlay						115,253.00	115,253.00
Total Expense						124,579.52	124,579.52
Net Ordinary Income						683,514.78	683,514.78
<b>Net Income</b>						<b>683,514.78</b>	<b>683,514.78</b>

## Clackamas 800 Radio Group

## Trial Balance

As of February 28, 2021

	Feb 28, 21	
	Debit	Credit
115-00 · Cash/Checking Account	1,681,245.32	
11000 · Accounts Receivable	228,142.28	
120-00 · Member Fees Receivable	0.00	
12000 · Undeposited Funds	0.00	
150-00 · Prepaid Expenses	0.00	
169-00 · CIP	44,120,952.67	
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		11,582,838.71
180-00 · Deferred O/F-P25 Maintenance	5,812,058.44	
201-00 · Accounts Payable		78,166.18
201-02 · Other Accounts Payable	0.00	
202-00 · Partner Prepayment		2,817.05
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		47,068,640.91
320-00 · Retained Earnings, Prior		7,296,037.32
405-00 · Members Contracts		66,220.00
410-00 · Partners Fees		1,068,893.20
420-00 · Partners Debt Service Zone Cont	0.00	
430-00 · Subscriber Radio Payments		109,671.73
431-00 · Interest Income		95.84
435-00 · Lease Revenue		36,521.08
440-00 · Miscellaneous Income		251,453.00
450-00 · Intergovernmental-Clackamas Co		6,314,842.92
605-00 · Site Rental	228,481.86	
610-00 · Fuel/Generators	15,567.71	
615-00 · HVAC Maintenance	15,431.39	
620-00 · Landscape Maintenance	18,800.00	
622-00 · Bad Debt Expense	19,350.00	
625-00 · Generator Maintenance	3,532.90	
630-00 · UPS Maintenance	2,646.00	
645-00 · Insurance	52,974.59	
650-00 · Utilities	49,213.05	
655-00 · Consultant Services	36,124.56	
660-00 · WCCCA System Fees	568,662.75	
665-00 · Radio Maintenance Fees	63,418.87	
670-00 · Legal Services	950.00	
675-00 · Financial Services	4,355.00	
680-00 · Audit Fees	6,920.00	
685-00 · Miscellaneous Expenses	658.84	
686-00 · Meeting Expenses	100.00	
703-011 · Land Improvement	4,461,765.10	
703-012 · Building	245,254.28	
703-013 · Tower	4,662.00	
703-014 · Generator	25,498.00	
703-021 · Simulcast / Master Site	965,678.23	
703-022 · Subscriber Radios	313,781.48	
703-023 · Console Equipment	8,680.36	
703-024 · Paging	55,795.82	
703-026 · Cat. 6 Fire Station Alerting	174,940.16	
703-031 · Security System	164.68	
703-032 · DC Power	22,554.38	
703-034 · Microwave	124,077.11	
703-04 · Capital Outlay Service	13,233.16	
<b>TOTAL</b>	<b>73,876,197.94</b>	<b>73,876,197.94</b>

# Clackamas 800 Radio Group

## Balance Sheet

As of February 28, 2021

	Feb 28, 21
<b>ASSETS</b>	
Current Assets	
Checking/Savings	
115-00 · Cash/Checking Account	1,681,245.32
Total Checking/Savings	1,681,245.32
Accounts Receivable	
11000 · Accounts Receivable	228,142.28
Total Accounts Receivable	228,142.28
Total Current Assets	1,909,387.60
Fixed Assets	
169-00 · CIP	44,120,952.67
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	-11,582,838.71
Total Fixed Assets	47,068,640.91
Other Assets	
180-00 · Deferred O/F-P25 Maintenance	5,812,058.44
Total Other Assets	5,812,058.44
<b>TOTAL ASSETS</b>	<b>54,790,086.95</b>
<b>LIABILITIES &amp; EQUITY</b>	
Liabilities	
Current Liabilities	
Accounts Payable	
201-00 · Accounts Payable	78,166.18
Total Accounts Payable	78,166.18
Other Current Liabilities	
202-00 · Partner Prepayment	2,817.05
Total Other Current Liabilities	2,817.05
Total Current Liabilities	80,983.23
Total Liabilities	80,983.23
Equity	
310-00 · Investment in Fixed Assets	47,068,640.91
320-00 · Retained Earnings, Prior	7,296,037.32
Net Income	344,425.49
Total Equity	54,709,103.72
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>54,790,086.95</b>

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03/04/21

**Clackamas 800 Radio Group**  
**A/R Aging Detail**  
As of February 28, 2021

	Type	Date	Num	Name	Due Date	Aging	Open Balance
<b>Current</b>							
	Invoice	02/03/2021	19-322	Tri Met	03/05/2021		32,334.89
Total Current							32,334.89
<b>1 - 30</b>							
	Invoice	02/20/2021	19-323	ODOT	02/20/2021	8	58,453.00
Total 1 - 30							58,453.00
<b>31 - 60</b>							
	Invoice	01/05/2021	19-319	Colton Fire	01/05/2021	54	12,577.50
	Invoice	01/05/2021	19-320	Colton Fire	01/05/2021	54	3,977.50
Total 31 - 60							16,555.00
<b>61 - 90</b>							
Total 61 - 90							
<b>&gt; 90</b>							
	Invoice	07/31/2018	18-188	Boring Water	07/31/2018	943	860.00
	Invoice	07/15/2019	19-240	Boring Water	07/15/2019	594	860.00
	Invoice	07/31/2020	19-269	Colton Fire	08/30/2020	182	1,770.00
	Invoice	07/31/2020	19-292	Clackamas County - Transportation Eng	08/30/2020	182	12,900.00
	Invoice	10/29/2020	19-313	Canby FD	10/29/2020	122	104,409.39
Total > 90							120,799.39
<b>TOTAL</b>							<b>228,142.28</b>





# **Clackamas 800 Radio Group**

**Fiscal Year 2021 / 2022**

**Proposed Budget**

March 17, 2021

C800 Budget Calendar 2021  
January 20, 2021

January 20, 2021	Appoint John Hartsock Budget Officer
February 16, 2021	Publish 1st Notice of Budget Committee Meeting
March 9, 2021	Publish 2nd Notice of Budget Committee Meeting
<b>March 17, 2021</b>	<b>Budget Committee Meeting</b>
April 6, 2021	Publish Notice of Budget Hearing
<b>April 21, 2021</b>	<b>Public Budget Hearing / Budget Approval</b>
June 30, 2021	Submit Budget Document to Dept of Revenue



# **2021/2022 BUDGET MESSAGE**

## **BACKGROUND**

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

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

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

Clackamas County provided C800 the funding to construct the original 10 site 800MHz radio system. The C800 partners repaid the County through operating funds. In 2016 Clackamas County on behalf of C800 placed a ballot measure on the ballot for the voters of the County to authorize a \$59M general obligation bond to upgrade and expand the system. The measure passed with a 70% margin of approval. The upgrade project to move the system to P25 digital from analog and expand the system by 14 sites is currently underway.

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

## **GOAL**

The goal of C800 is to provide:

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

## **FUNCTION OF THE CLACKAMAS 800 RADIO GROUP**

CLACKAMAS 800 RADIO GROUP performs the following functions:

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

## **EXPLANATION OF BUDGET**

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

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

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

## **FINANCIAL POLICY**

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

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

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

### **FINANCIAL POLICY FEATURES**

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

### **CHANGES FROM PREVIOUS BUDGET**

The following outlines the changes from the approved FY 2020/2021. Materials and Services has increased by 14.5%. Changes include a) Site rental by 5.8% due to added sites and lease escalation b) HVAC Maintenance by 12.2% due to added sites c) Landscape maintenance due to added sites (30.1%) d) Generator Maintenance due to added sites (53.4%) e) Insurance cost (9%) f) Added line item for building maintenance g) Utility costs (11.1%); h) WCCCA system fees have increased (14.6%) due to added radio counts and additional personnel; i) Radio maintenance cost due to system support (20%) and j).Added line item for Fire Station Alerting maintenance.

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

The per radio cost has increased to \$480 of 11.6% due the budget items outlined above. Note it had remained the same from the FY 17/18 or the last four years.

### **CHANGES IN FINANCIAL POLICY**

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

### **CONCLUSION**

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

**CLACKAMAS 800 RADIO GROUP will provide:**

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

# Clackamas 800 Radio Group

March 1, 2021

## FY 2021 / 2022 Budget

### Revenue

Account #	Account Description	Actual FY18/19	Actual FY19/20	Budget 20/21	Estimated Final FY 20/21	Proposed FY 21/22	Approved by Budget Committee	Adopted by Governing Board	Increase from FY 20/21
401-00	Cash Resources	7,532,734	6,442,331	1,252,328	7,296,037	7,367,420			1.0%
405-00	Members Contracts	62,641	77,418	68,800	68,000	76,320			10.9%
410-00	Partners Fees	978,358	1,006,630	1,049,200	1,068,895	1,201,920			11.1%
420-00	Partners Debt Service Zone Con	93,689	0	0	0	0			0.0%
421-00	Partners Debt Service Microwave		0	0	0	0			0.0%
430-00	Subscriber Radio Payments	(79,180)	38,051	125,000	115,000	750,000			84.7%
431-00	Interest Income	183	580	800	150	500			70.0%
435-00	Lease Income	18,893	141,184	66,625	40,000	85,265			53.1%
440-00	Miscellaneous Income		0	500	252,000	500			-50300.0%
450-00	Bond Proceeds	18,625,237	17,627,737	15,000,000	11,700,000	6,000,000			-95.0%
455-00	Bond Interest Income	0	0	0	0	0			0.0%
									0.0%
	<b>Total Revenue</b>	<b>27,232,554</b>	<b>25,333,931</b>	<b>17,563,253</b>	<b>20,540,082</b>	<b>15,481,925</b>	<b>0</b>	<b>0</b>	<b>-32.7%</b>

### Expense

Account #	Account Description	Actual FY18/19	Actual FY19/20	Budget 20/21	Estimated Final FY 20/21	Proposed FY 21/22	Approved by Budget Committee	Adopted by Governing Board
<b>Personnel</b>	Salary	0	0	0	0	0	0	0
	Benefits	0	0	0	0	0	0	0
	<b>Total Personnel</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

# Clackamas 800 Radio Group

March 1, 2021

## FY 2021 / 2022 Budget

Account #	Account Description	Actual FY18/19	Actual FY19/20	Budget 20/21	Estimated Final FY 20/21	Proposed FY 21/22	Approved by Budget Committee	Adopted by Governing Board	Increase from FY 19/20
<b>Materials and Services</b>									
605-00	Site Rental	163,880	208,327	212,512	238,500	253,051			5.8%
610-00	Fuel / Generators	12,084	10,770	14,625	17,500	12,500			-40.0%
615-00	HVAC Maintenance	3,816	12,450	22,100	20,200	23,000			12.2%
620-00	Landscape Maintenance	8,460	18,065	13,500	25,800	19,780			-30.4%
621-00	Office Supplies	0	0	1,500	500	750			33.3%
622-00	Bad Debt Expense	0	0	0	19,350	0			0.0%
625-00	Generator Maintenance	1,642	2,643	25,000	9,500	20,400			53.4%
630-00	UPS Maintenance	1,560	5,657	7,500	5,500	3,200			-71.9%
635-00	Battery Maintenance	295	0	5,000	0	12,000			100.0%
640-00	Building Maintenance	0	0	0	0	5,000			100.0%
645-00	Insurance	30,569	39,291	50,000	57,000	62,700			9.1%
650-00	Utilities	53,059	60,804	135,000	84,500	95,000			11.1%
665-00	Consultant Services	49,024	62,726	55,000	64,000	64,000			0.0%
657-00	Regional Radio	0	0	1,500	0	1,500			100.0%
660-00	WCCCA System Fees	746,600	889,024	758,217	758,663	888,651			14.6%
665-00	Radio Maintenance Fees	79,594	20,408	50,000	70,000	60,000			-16.7%
667-00	Radio Replacement Proj	0	0	0	0	0			0.0%
668	Fire Sta Alerting					75,370			100.0%
670-00	Legal Services	9,239	421	7,500	1,500	2,500			40.0%
675-00	Financial Services	7,551	7,422	9,500	7,500	7,800			3.8%
680-00	Audit Fees	6,285	9,600	10,000	6,920	8,500			18.6%
685-00	Miscellaneous Cost	1,486	1,112	7,418	1,500	6,500			76.9%
686-00	Meeting Expense / Web	141	126	2,500	1,000	2,500			60.0%
	<b>Total Material and Services</b>	<b>1,175,285</b>	<b>1,348,846</b>	<b>1,388,371</b>	<b>1,389,433</b>	<b>1,624,702</b>			<b>14.5%</b>
Account #	Account Description	Actual FY18/19	Actual FY19/20	Budget 20/21	Estimated Final FY 20/21	Proposed FY 21/22	Approved by Budget Committee	Adopted by Governing Board	Increase from FY 19/20
683-00	Capital Reserve	0	0	150,000	0	150,000			0.0%
703-00	Capital Outlay	19,521,250	16,689,048	15,800,000	11,700,000	6,000,000			-95.0%
795-00	Debt Service	93,688	0	0	0	0			0.0%
800-00	Operating Contingency		0	100,000	0	125,000			25.0%
	<b>Ending Fund Balance</b>	<b>6,442,331</b>	<b>7,296,037</b>	<b>124,882</b>	<b>7,367,420</b>	<b>7,657,593</b>			<b>3.8%</b>
	<b>TOTAL EXPENSE</b>	<b>27,232,554</b>	<b>25,333,931</b>	<b>17,563,253</b>	<b>20,456,853</b>	<b>15,557,295</b>	<b>0</b>	<b>0</b>	<b>-31.5%</b>

# CLACKAMAS COUNTY 800 MHz RADIO SYSTEM

## Cost Allocation FY 21/22

March 1, 2021

PARTNER AGENCIES	Attention	TOTAL VOICE RADIOS FY 21/22	Annual Operating Cost per voice radio @	Increase from FY 20/21		FY 20/21 Cost
			\$ 480.00	\$ 50.00	11.6%	
Clackamas County Health (AMR)	Philip Mason	57	27,360	2,850	11.6%	24,510
Aurora Fire		60	28,800	9,880	100.0%	18,920
Boring Fire Dist.	DeAnn Henry	0	-	0		0
Canby Fire	Jim Davis	96	46,080	6,950	17.8%	39,130
Canby Police	Bret Smith	61	29,280	3,050	11.6%	26,230
Clackamas Sheriff	Nancy Artmann	749	359,520	37,450	11.6%	322,070
Clackamas Fire Dist. #1	DeAnn Henry	347	166,560	23,800	16.7%	142,760
Colton Fire		39	18,720	1,950	11.6%	16,770
Estacada Fire	Bob Morrisey	57	27,360	2,850	11.6%	24,510
Gladstone Fire	Mike Funk	41	19,680	(100)	-0.5%	19,780
Gladstone Police	Jim Pryde	40	19,200	2,000	11.6%	17,200
Hoodland Fire		83	39,840	4,150	11.6%	35,690
Lake Oswego Fire	Sue Scobert	92	44,160	6,320	16.7%	37,840
Lake Oswego Police	Sue Scobert	117	56,160	10,150	22.1%	46,010
Lake Oswego Public Works	Sue Scobert	54	25,920	2,700	11.6%	23,220
Milwaukie Police		79	37,920	5,670	17.6%	32,250
Milwaukie Public Works		48	23,040	2,400	11.6%	20,640
Molalla Fire	Vince Stafford	76	36,480	4,230	13.1%	32,250
Molalla Police	Finance	40	19,200	2,000	11.6%	17,200
Oregon City Police	Jim Bend	101	48,480	4,620	10.5%	43,860
Sandy Fire	Phil Schneider	66	31,680	3,300	11.6%	28,380
Sandy Police	Ernie Roberts	46	22,080	2,300	11.6%	19,780
TVF&R / West Linn Fire		30	14,400	1,500	11.6%	12,900
West Linn Police		51	24,480	3,840	18.6%	20,640
West Linn Public Works	Jeff Randall	26	12,480	1,300	11.6%	11,180
Wilsonville - PW		12				0
Wilsonville - Transit		48	23,040	7,560	100.0%	15,480
<b>TOTAL</b>		<b>2,516</b>	<b>1,201,920</b>	<b>152,720</b>	<b>14.6%</b>	<b>1,049,200</b>

# CLACKAMAS COUNTY 800 MHz RADIO SYSTEM

## Cost Allocation FY 21/22

March 1, 2021

MEMBER AGENCIES	Attention		TOTAL VOICE RADIOS FY 21/22	Annual Operating Cost per voice radio @	Increase from FY 20/21		FY 20/21 Cost
Boring Water District	Larry Alexander		2	960	100	11.6%	860
CC Community College	Bob Cochran		4	1,920	(660)	100.0%	2,580
Clackamas Co Code/Environ	Sandy Hamilton		6	2,880	300	11.6%	2,580
CC Community Corrections	Cris Hoy		50	24,000	2,500	11.6%	21,500
CC District Attorney	Sarah Brown		3	1,440	150	11.6%	1,290
CC Dog Services			5	2,400	250	11.6%	2,150
CC Juvenile	Ellen Crawford		5	2,400	250	11.6%	2,150
CC Medical Examiner	Cathy Phelps	<a href="mailto:cathyphe@co.clackamas.or.us">cathyphe@co.clackamas.or.us</a>	6	2,880	300	11.6%	2,580
Clackamas Co Transp/Weigh	Joe Marek		30	14,400	1,500	11.6%	12,900
Clackamas River Water	Lee Moore		4	1,920	200	11.6%	1,720
City of Happy Valley	Steve Campbell		14	6,720	700	11.6%	6,020
Lake Oswego Lake Corp	Christian Stauffer		15	7,200	2,470	52.2%	4,730
Sunrise Water Authority			12	5,760	600	11.6%	5,160
Willamette Shore Trolley	John Nagy		3	1,440	1,010	234.9%	430
<b>TOTAL</b>			<b>159</b>	<b>76,320</b>	<b>9,670</b>	<b>14.5%</b>	<b>66,650</b>

2,675

CCOM			169	0
LOCOM			49	0

# COUNTY

## 800 MHz RADIO

### NUMBER OF PUBLIC SAFETY RADIOS

March 1, 2021

AGENCY	Radios
Partners	USER
Clackamas County / AMR	57
Aurora Fire	60
Boring Fire Dist.	0
Canby Fire	96
Canby Police	61
Clackamas Sheriff	749
Clackamas Fire Dist. #1	347
Colton Fire	39
Estacada Fire	57
Gladstone Fire	41
Gladstone Police	40
Hoodland Fire	83
Lake Oswego Fire	92
Lake Oswego Police	117
Lake Oswego Public Works	54
Milwaukie Police	79
Milwaukie Public Works	48
Molalla Fire	76
Molalla Police	40
Oregon City Police	101
Sandy Fire	66
Sandy Police	46
West Linn Fire / TVF&R	30
West Linn Police	51
West Linn Public Works	26
Wilsonville PW	12
Wilsonville Transit	48
<b>Total Partners</b>	<b>2,516</b>

Members	USER
Boring Water District	2
CC Community College	4
Clackamas Cnty Code/Envi	6
CC Comm Corrections	50
CC District Attorney	3
CC Dog Services	5
CC Juvenile	5
CC Medical Examiner	6
Clackamas County Transp	30
Clackamas River Water	4
City of Happy Valley	14
Lake Oswego Lake Corp	15
Sunrise Water Authority	12
Willamette Trolley	3
<b>Total Members</b>	<b>159</b>

Dispatch	
CCOM	169
LOCOM	49
<b>Total Dispatch</b>	<b>218</b>

<b>TOTAL BILLABLE</b>	<b>2,893</b>
-----------------------	--------------

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



COUNTY

800 MHz RADIO

NUMBER OF PUBLIC SAFETY RADIOS

Mutual Aid	
Amtrak	1
CC Emergency Mgmt	10
Hubbard Fire	5
Monitor Fire	0
ODFWest	0
Reach Medi-Plane	5
Silverton Fire District	0
USFS	15
Woodburn Fire	6
Total Mutual Aid	42

GRAND TOTAL	2,935
-------------	-------

# 800 MHz RADIO SYSTEM

## Radio Site Locations - Site Lease Cost

March 1, 2021

1	Barton	11,801.45
2	Damascus	16,693.55
3	Wilsonville	13,911.29
4	Mt Scott	0.00
5	Mt View Water Tank	0.00
6	Petes Mountain	22,891.81
7	Polivka	7,275.20
8	Sandy	13,911.29
9	View Acres	25,757.53
10	Brightwood	0.00
11	Crutcher	0.00
12	Tom Dick & Harry	0.00
13	Lindhart	0.00
14	Timberline	10,000.00
15	Canby	13,911.29
16	Day Hill	31,426.11
17	Highland	0.00
18	Redland Rd	20,808.00
19	Memaloose	10,000.00
20	Oak Grove	10,000.00
21	Whalehead	0.00
22	Goat Mountain	30,323.40
23	Sawtell	0.00
24	CCOM	0.00
25	Hoodland/Brightwood	0.00
26	LOCOM	0.00
27	OC shop	\$14,340.00
<b>Total</b>		<b>\$ 253,050.91</b>

	OWNER	LOCATION	Lease Cost	Lease Terms	2021/22 Payment	Payment Due	Lease Renewal
		Site Address					
1	McKenzie Family Trust Land Holdings PO Box 1148 Welches, OR 97067	Barton Parcel # 00640480	\$10,800 per year 3% per year escalation / Due Jan 1	Signed 1/31/18 10 years w/ 4-5 year options	\$11,801.45	Jan 1, 2022	1/31/2028
2	Nicholas and McKenie Chully 9330 SE Wooded Hills Ct Damascus, Or 97089	Damascus Tax Lot 13E28B-01401	\$14,400 Per Year 3% per year escalation / Due Jan 1	Signed 2/20/2017 10 years w/ 4 - 5 year options	\$16,693.55	Jan 1, 2022	1/1/2027
3	City of Wilsonville 25799 SW Town Center Loop E Wilsonville 97070	Tax lot 502, Section 1, T3S, R1W, W.M	\$12,000 Per Year 3% per year escalation / Due Jan 1	Signed ----- 10 years w/ 4 - 5 year options	\$13,911.29	Jan 1, 2022	1/1/2028
4	Oregon Department of Transportation 455 Airport Road SE Salem, OR 97301-5375 (503)731-8427 Rolland Arney	Mt. Scott 10999 Ridgeway Dr Happy Valley	Trading tower space for land lease	Signed 2/1/02 25 years	\$0.00		1/31/2027
5	City of Oregon City 320 Warner Milne Rd Oregon City, OR 97045 (503) 657-0891 Nancy Kraushaar	Mt. View Water Tank 415 Mountain View St. Oregon City	\$1.00 per year System Partner	10 Year Lease / No date on lease - assume Aug 26, 2003 w/ two five year options	\$0.00		8/26/2013 8/26/2018 8/26/2023
6	BBS Property Mgmt Lewis Snader 918 Schaeffer Rd West Linn, OR 97068 (503) 705-7994	Pete's Mountain 1775 Schaeffer Rd West Linn	\$12,000 per year / 2% per year escalation - Due January 1 / Increased by \$5,200 per year 2019 for expansion	Signed 8/7/01 10 yrs w/ 2 5yr options - 2019 added 6 5yr options	\$22,891.81	Jan 1, 2022	7/6/2021 7/6/2026 7/6/2031 7/6/2036 7/6/2041 7/6/2046 7/6/2051

7	Boring Water Dist PO Box 66 Boring, OR 97009 (503) 663-4594 Larry Alexander	Polivka Hill Water Tank 26230 Wally Rd Boring	\$4,800 per year 2% per year escalation Due January 1	Signed 8/7/01 10 years w/ 2 - 5yr options	\$7,275.20	Jan 1, 2022	7/30/2011 7/30/2016 7/30/2021
8	Darren Mc Ara/Tami McAra /Brenda Tinjurn/Robert Lux 3516 Kelso Rd Boring, OR 97009	Sandy 38275 Marcy St Sandy, OR 97055	\$12,000 Per Year 3% per year escalation / Due Jan 1	Signed 9/19/2016 10 years w/ 4 - 5 year options	\$13,911.29	Jan 1, 2022	9/1/2026 9/1/2031 9/1/2036 9/1/2041
9	Oak Lodge Water District 14496 SE River Road, Milwaukie OR 97267 (503) 654-7765 Katherine Willis	View Acres 4410 SE View Acres Milwaukie	\$25,000 per year /1% per year escalation	Signed 3/26/18 20 years w/ 2 - 5yr options	\$ 25,757.53	June 30, 2021	7/1/2037 7/1/2042 7/1/2047
10	US Dept of Interior Salem Dist Office 1717 Fabry Stree SE Salem 97306	Brightwood WM T2S R6E S14 SW1/4 NE1/4 SE1/4 NE1/4	\$0	Signed 5/1/06 20 years request new lease in 2025	\$0.00		4/1/2026
11	US Dept of Interior Salem Dist Office 1717 Fabry Stree SE Salem 97306	Crutcher Bench	\$0	Signed 2/1/18 25 years request a new lease in 2043	\$0.00		12/31/2043
12	US Dept of Agriculture Forest Service Mt Hood National Forest 16400 Champion Way Sandy, OR 97055	Tom Dick & Harry	\$0		\$0.00		
13	State of Oregon Department of Forestry North Cascade District 22965 N Fork Road SE Lyons, OR 97358 Gregg Cline	Lenhart Butte Tax lot 400 SW1/4 of NW1/4 of SW1/4 of S35 T2S R5 WM	\$0	Signed 8/11/05 10 years w/ 5 year extensions	\$ -		7/11/2015 7/11/2020 7/11/2025
14	US Dept of Agriculture Forest Service Mt Hood National Forest 16400 Champion Way Sandy, OR 97055	Timberline WM S6, T 3S, R 9E	Use Fee PGE \$10,000	Signed 10/21/2013 29 years request new lease in 2040	\$ 10,000.00		1/1/2042
15	Zimmer Family Limited Trust 28485 S Sundowner Court Canby, OR 97013	Canby Parcel # 00797828 Canby, OR 97013	\$12,000 Per Year 3% per year escalation / Due Jan 1	Signed 7/29/2016 10 years w/ 4 - 5 year options	\$13,911.29	Jan 1, 2022	8/1/2026 8/1/2031 8/1/2036 8/1/2041
16	Cascade Utilities Inc d/b/a Reliance Connects PO Box 189 Estacada, OR 97023	23151 S. Day Hill Road Estacada, OR 97023	\$15,000 per year w/ a 3% adjustment anually	Signed 7/13/15 10Years w/ 4 5 year options	\$31,426.11	Jan 1, 2022	1/1/2025
17	US Dept of Interior Salem Dist Office 1717 Fabry Stree SE Salem 97306	Highland Butte	\$0	Signed 2/1/18 29 years request a new lease in 2047	\$0.00		12/31/2047
18	David Staats 20062 S. Redland Rd Oregon City, OR 97045 971 563-1983 Jana Staats <3rvision@gmail.com>	Redland Road 20062 S. Redland Rd Oregon City	\$9,600 per year 2% per year escalation Due January 1	Signed 8/30/01 10 years w/ 2 - 5yr options	\$20,808.00	Jan 1, 2022	7/30/2011 7/30/2016 7/30/2021

19	US Dept of Agriculture Forest Service Mt Hood National Forest 16400 Champion Way Sandy, OR 97055	Memaloose	Use Fee PGE \$10,000	Signed 7/15/2019 30 years	\$10,000.00		5/31/2049
20	US Dept of Agriculture Forest Service Mt Hood National Forest 16400 Champion Way Sandy, OR 97055	Oak Grove Butte	Use Fee PGE \$10,000	Signed 7/15/2019 30 years	\$10,000.00		5/31/2049
21	US Dept of Agriculture Forest Service Mt Hood National Forest 16400 Champion Way Sandy, OR 97055	Whale Head	0	Signed 7/15/2019 30 years	\$0.00		5/31/2049
22	Weyerhaeuser Company 37904 Brewster Road Lebanon, OR 97355 Attn: Land Use Manager	Goat Mt. T55 R2E Sect 7 Lots 3900 & 4000	\$12,000 per year 5% per year escalation Due July 29	Signed 10/23/02 10 years w/ 2 - 5yr options	\$ 30,323.40	July 29, 2021	9/22/2012 9/22/2017 9/22/2022
23	Molalla Fire District 320 N Molalla Ave Molalla, OR 97038 Stafford	Viince Sawtell 36715 S Sawtell RD Molalla, OR 97038	\$0	Signed 6/6/16 5 years w/ 5- 5 year extensions	\$0.00		6/6/2021 5/5/2026 5/5/2031 5/5/2036 5/5/2041 5/5/2046
25	Clackamas County 901 Main St, Oregon City, OR 97045 (503) 655-8581 County Administrator	CCOM Prime Site 2200 Kaen Rd, Oregon City	\$0 County Owned Property	No Lease	\$0.00		None
26	Hoodland Fire	Brightwood Station	\$7,000 per year with 3% per year escalation first 25 years offset by the provision of equipment as outlined in Amendment #1	Signed 2/12/2019 Amendment #1 Signed 4/17/20 - 25 years w/ 2 - 5 yr options	\$0.00		4/17/2045
27	City of Lake Oswego 351 1st Street Lake Oswego, OR 97037 (503) 635-0252 Leslie Taylor	LOCOM Dispatch Site 351 1st Street Lake Oswego	\$0 City Owned Property	No Lease	\$0.00		None
	Oregon City Shop 404 Beavercreek Rd suite 234 Oregon City OR 97045 Focus Commercial Inc 410 Beavercreek Rd Oregon City OR 97045	OC Shop	\$1195 per month	Signed 12/14/20 one year	\$14,340.00	Monthly	

\$253,050.91

# WCCCA FY22

March 1, 2021

## 800 System Maintenance Cost

Object#

Description	credits	Allocable WCCCA Budget		FY21	WCCCA Allocation		C800		FY 21		Newberg/Dundee
Radios		100%	7,095		58.58%	4,156	39.52%	2,804	2,690	1.90%	135
Radio FTE		9.62%	9.95								
Radio Space		25.5%	6,251								

### Radio Department

5XXX	SALARIES	1,040,869		1,465,672	609,704	14.9%	411,360	575,050		19,805
52XX	BENEFITS	631,183		in above	369,725		249,449	in above		12,010
5300	OFFICE SUPPLIES	1,300		1,280	761		514	-		25
5301	RADIO SUPPLIES	12,000		12,500	7,029	-2%	4,742	4,836		228
5303	UNIFORMS	4,000		3,150	2,343	30%	1,581	1,219		76
5323	FOOD/REFRESHMENTS	320		800	187	-45%	126	232		6
5330	NONCAPITAL FURNITURE & EQUIP	800		10,000	469	-92%	316	3,869		15
5340	SOFTWARE UPGRADES	3,200		3,200	1,874	2%	1,265	1,238		61
5350	FUEL	10,000		9,300	5,858	10%	3,952	3,598		190
5360	RADIO INFRASTRUCTURE MATERIALS	69,000		68,850	40,418	2%	27,269	26,638		1,313
5363	M & R VEHICLES	8,600		9,600	5,038	-8%	3,399	3,714		164
5368	MAINTENANCE AGREEMENTS	45,550		85,250	26,682	100%	18,002	-		867
5430	TELEPHONE	100		96	59	7%	40	37		2
5431	ADMIN. TELEPHONE	5,300		4,800	3,105	13%	2,095	1,857		101
5461	TRAINING	3,175		2,600	1,860	25%	1,255	1,006		60
5462	TRAVEL EXPENSE	3,500		3,160	2,050	13%	1,383	1,223		67
5472	EMPLOYEE RECOGNITION/AWARDS	300		-	176	100%	119	-		6
5500	SUBSCRIPTIONS	300		590	176	-48%	119	228		6
5505	MEMBERSHIP DUES	590		-	346	100%	233	-		11
5510	SHIPPING & POSTAGE	500		500	293	2%	198	193		10
5572	ADVERTISING/PUBLIC NOTICES	650		750	381	-11%	257	290		12
5700	Capital Outlay	38,000		74,000	22,259	-48%	15,018	28,631		723
<b>Radio Department Total</b>		\$ 1,879,237		1,756,098	\$ 1,100,791	14%	\$ 742,689	\$ 653,859		\$ 35,757

### Facilities Proposed Budget

	1,483,900		379,133		222,082		149,836		7,214
5361 credit: Zone controller	(300,000)				31,751		(30,292)		(1,458)
5361 credit: Fiber provisioning for dispatch	(123,000)				13,018		(12,420)		(598)
5361 credit: Split 9-1-1 switch	(68,000)				7,197		(6,866)		(331)
5368 credit: Recombine 9-1-1 switch new fr	(64,000)				6,774		(6,462)		(311)
Dept. 600 costs <\$53k not applicable to radi	(378,500)				40,059		(38,219)		(1,840)
<i>allocated amount based on square footage</i>			379,133		320,880	129%	55,576	24,290	2,676

<b>Data Services Proposed Budget</b>							
	2,399,656	230,803		135,196		91,215	4,392
57xx credit: New facility soft costs	(436,000)			46,145		(44,025)	(2,120)
5336 credit: MAJCS CAD expense	(268,773)			28,446		(27,139)	(1,307)
5414 credit: CAD Manager	(70,683)			7,481		(7,137)	(344)
5368 credit: GCSIT MAJCS maint.	(6,553)			694		(662)	(32)
<i>allocated amount based on Radio % of FTE</i>		230,803		217,961	100.0%	12,252	590
<b>Admin Proposed Budget</b>							
	1,811,500	174,233		102,060		68,858	3,315
<i>allocated amount (FTE)</i>		174,233		102,060	100.0%	68,858	3,315
<b>HR Proposed Budget</b>							
	244,005	23,469		13,747		9,275	447
<i>allocated amount (FTE)</i>		23,469		13,747	100.0%	9,275	447
<b>Total Radio Dept. Allocable Costs</b>		<b>2,686,875</b>		<b>1,755,439</b>		<b>888,651</b>	<b>42,785</b>
Cost per radio		\$ 378.70		\$ 422.39	12.4%	\$ 316.92	\$ 316.92
WCCCA Radios				349			
Total Radios less WCCCA Radios				3,807			
Billable WCCCA User Cost/Radio				\$ 461.11			
Total allocated non-radio expense		807,638 for inclusion in the User Fee Model, Budget & User Alloc tab D36					



# RADIO PROJECT STATUS

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## Emergency Communication System Upgrade

C800 Project Leader: John Hartsock

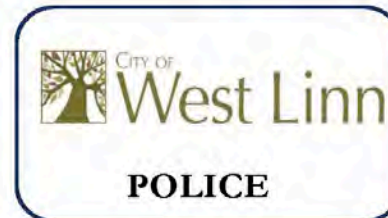
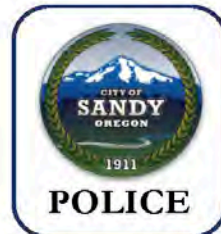
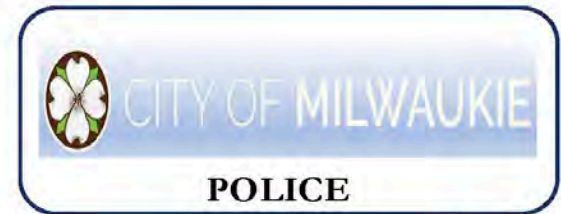
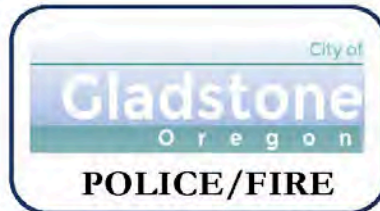
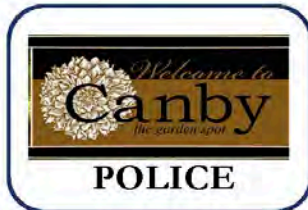
WCCCA Project Leader: Ron Polluconi

C800 Project Manager: Bjorn Morfin

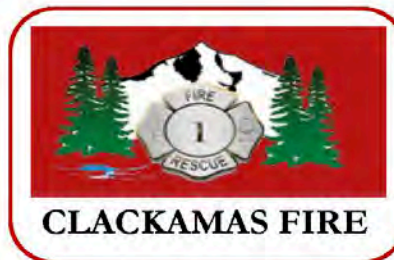
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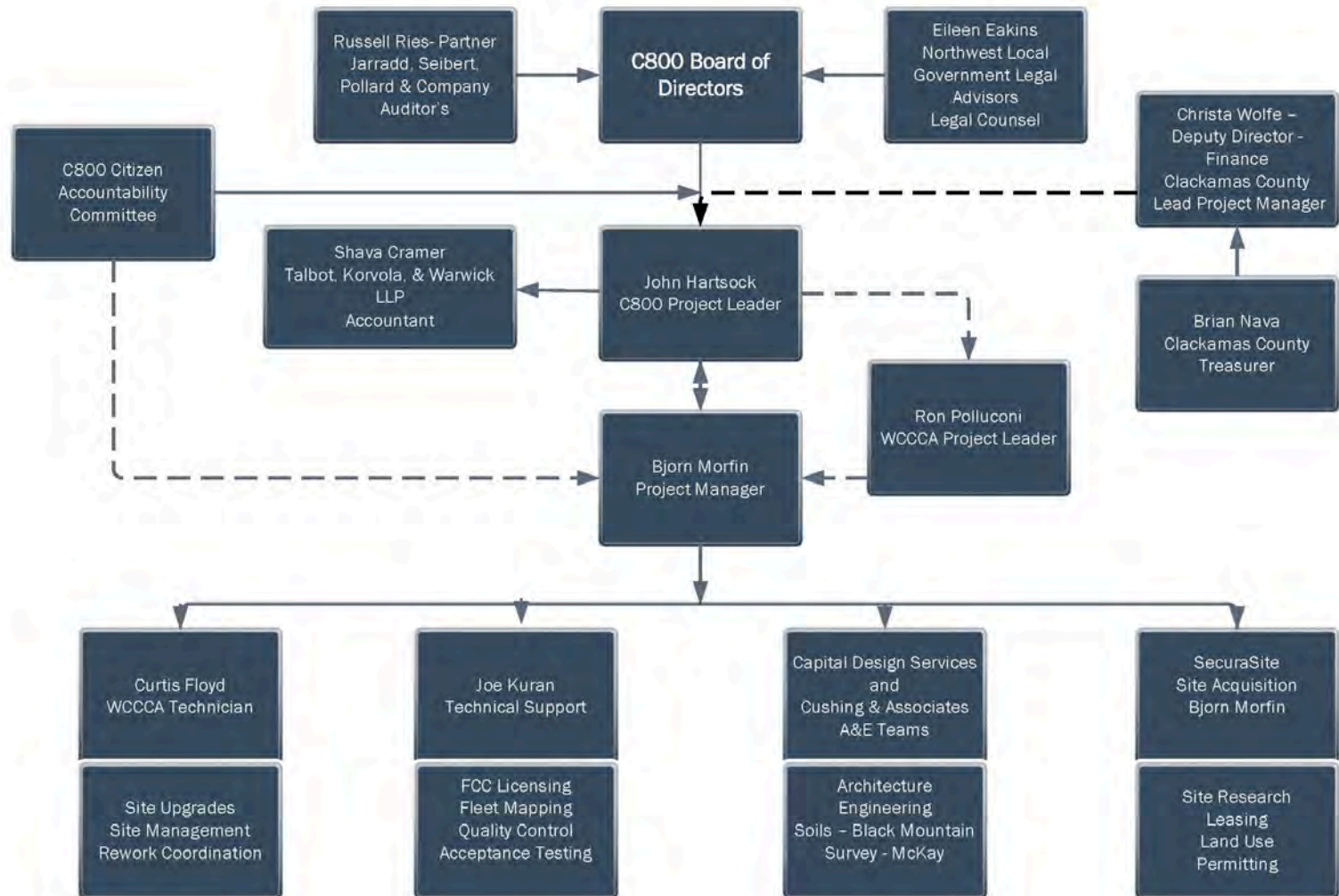






## THE EIGHTEEN PUBLIC SAFETY AGENCIES THAT MAKE UP CLACKAMAS 800 RADIO GROUP





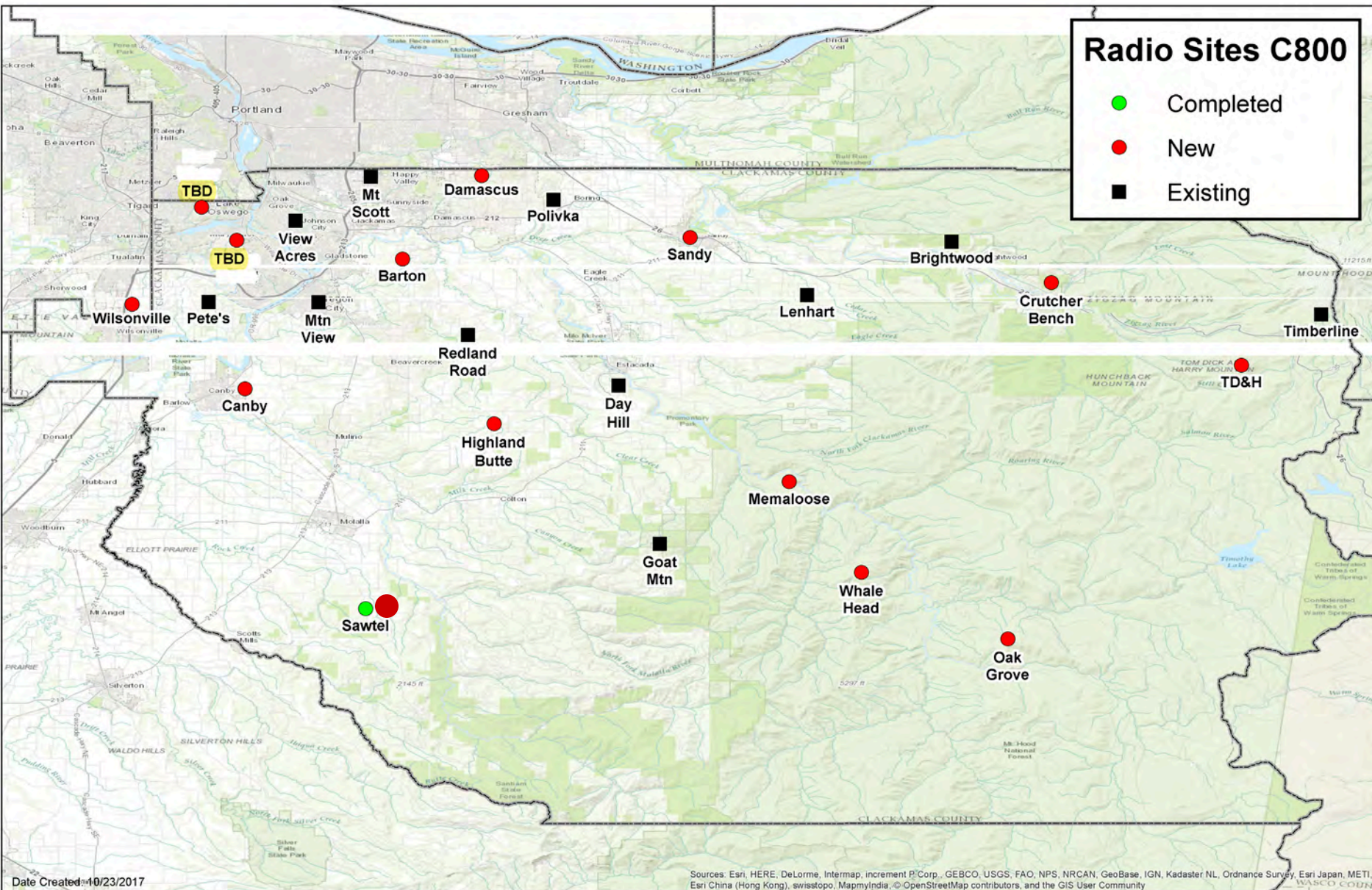
### Clackamas 800 Radio Group Radio Replacement Project



# C800 Site Locations

## Radio Sites C800

- Completed
- New
- Existing



# Project Status Existing Sites Summary

## 13 Existing Radio Sites Design / Construction

- **Brightwood / Day Hill / Lenhart / Mt. Scott / Mt. View / Pete's / Polivka / Redland Rd / Sawtell / View Acres / Goat Mtn** : Complete
- **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 complete
- **LOCOM**: New consoles and move to new facility – complete



# 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 complete – possible fire damage / waiting for completion of utility power – anticipate May 2021 due to access / weather
  - Whalehead** – Construction complete – possible fire damage / waiting for completion of utility power – anticipate June 2021 due to access / weather
  - Oak Grove** – Construction 40% complete – turn over Spring 2021 due to access / weather.
  - TD&H** - Awaiting USFS final approval / Ski Bowl easement complete / anticipate construction start Spring 2021
- **Two Sites for Lake Oswego / West Linn area** - for in-building coverage - on hold for more research and public meeting



# Project Schedule

- Existing Sites Upgrade complete - November 2020
- New Site Design & Construction complete: Spring 2021 for HWY 224 sites and Tom Dick & Harry / Lake Oswego - TBD
- System Operational Date: June 2021
- System Complete: December 2021
- Lake Oswego in building coverage sites – To Be Determined





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

Project:	<b>C800 Radio System Upgrade</b>		
Date Original:	10/1/2015	Date Updated:	<b>March 1, 2021</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	92.00%	605,050	(285,050)	556,654.26
Site Planning A&E - Cushing/Capital/Cundiff/Forensic/KPFF/SD C/ToddHess	725,000	692,391	468,930	(230,000)	98.46%	931,321	(206,321)	917,006.70
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		0	90.99%	129,835	(54,835)	118,135.00
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	300	89.34%	1,600	1,900	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	355,000	25,000	98.35%	676,000	(376,000)	664,853.74
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	15,000	98.64%	113,000	(83,000)	111,465.38
<b>Sub-Total Soft Cost</b>	<b>1,956,000</b>	<b>2,119,546</b>	<b>1,237,730</b>	<b>(152,130)</b>	<b>96.53%</b>	<b>3,205,146</b>	<b>(1,249,146)</b>	<b>3,094,012</b>
<b>Construction Cost</b>								
Site Construction	8,895,000	12,596,753	4,400,000	1,000,000	94.40%	17,996,753	(9,101,753)	16,989,408.38
Buildings	1,350,000	2,018,663	16,000		100.00%	2,034,663	(684,663)	2,034,699.60
Towers	660,000	1,383,357	247,000		99.96%	1,630,357	(970,357)	1,629,745.31
Generator	500,000	513,196	150,000		99.57%	663,196	(163,196)	660,374.31
48VDC	1,065,000	1,443,767	0		89.47%	1,443,767	(378,767)	1,291,788.10
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>17,973,236</b>	<b>4,813,000</b>	<b>1,000,000</b>	<b>95.11%</b>	<b>23,786,236</b>	<b>(11,298,236)</b>	<b>22,623,527.45</b>

# C800 Radio System Upgrade Budget (2)

Project: **C800 Radio System Upgrade**  
 Date Original: 10/1/2015 Date Updated: **March 1, 2021**  
 Project Manager: Bjorn Morfin

Item	Budget	Original Encumbrance	Additional Encumbrance / Change Order	Estimate to Complete	Percent Complete	Estimated Total	(Over) Under Budget	Expended
<b>Equipment Costs</b>								
Simulcast Equipment	20,726,000	19,993,440	672,036	2,000,000	87.60%	22,665,476	(1,939,476)	19,855,735.57
Paging	373,000	269,228	50,000	75,000	94.04%	394,228	(21,228)	370,731.31
Subscriber Radios	5,000,000	9,409,958	295,032	(5,000,000)	78.29%	4,704,990	295,010	3,683,748.20
Asset Management	119,000	203,197		25,000	0.00%	228,197	(109,197)	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	2,671,467	600,000	75,000	92.43%	3,346,467	21,533	3,093,082.55
Security System	1,364,000	440,540		50,000	0.25%	490,540	873,460	1,244.64
Fire Station Alerting	0	1,697,407	43,000	0	99.56%	1,740,407	(1,740,407)	1,732,801.85
<b>Subtotal Equipment Costs</b>	<b>36,850,000</b>	<b>40,497,295</b>	<b>1,660,068</b>	<b>(2,675,000)</b>	<b>87.51%</b>	<b>39,482,363</b>	<b>(2,632,363)</b>	<b>34,549,403</b>
Bond Cost	300,000	290,372	33,200	0	104.08%	323,572	(23,572)	336,781
<b>Subtotal Project Cost</b>	<b>51,594,000</b>	<b>60,880,448</b>	<b>7,743,998</b>	<b>(1,827,130)</b>	<b>90.73%</b>	<b>66,797,316</b>	<b>(15,203,316)</b>	<b>60,603,723</b>
<b>Additional Proceeds</b>	<b>6,528,981</b>					<b>(6,528,981)</b>	<b>6,528,981</b>	
<b>Adjusted Project Costs</b>	<b>58,122,981</b>	<b>60,880,448</b>	<b>7,743,998</b>	<b>(1,827,130)</b>	<b>90.73%</b>	<b>60,268,335</b>	<b>(8,674,335)</b>	
<b>Contingency</b>	<b>7,406,000</b>					<b>(7,406,000)</b>	<b>7,406,000</b>	
<b>Total Project Cost</b>	<b>65,528,981</b>	<b>60,880,448</b>	<b>7,743,998</b>	<b>(1,827,130)</b>	<b>114.64%</b>	<b>52,862,335</b>	<b>(1,268,335)</b>	<b>60,603,722.56</b>

<b>Bond Proceeds</b>	5,845,000	Taxable
	53,155,000	Non Taxable
	<b>59,000,000</b>	
<b>Additional Proceeds</b>	3,853,981	Subscriber Radio Payments
	2,675,000	PGE Payment
	<b>6,528,981</b>	
<b>Total Proceeds</b>	<b>65,528,981</b>	

<b>Premium Bond Proceeds</b>	<b>7,165,794</b>
<b>Interest Income (to Jan 2021)</b>	<b>1,032,112</b>
<b>Additional Funds</b>	<b>8,197,906</b>
<b>County oversight fees</b>	<b>(100,000)</b>
<b>Total Available</b>	<b>8,097,906</b>
<b>Draw Feb 18, 2021</b>	<b>(4,500,000)</b>
<b>Balance</b>	<b>3,597,906</b>



# Q2 - 2021 Quarterly Outlook

	C800
<ul style="list-style-type: none"><li>• Procurement</li></ul>	<ul style="list-style-type: none"><li>• Complete</li></ul>
<ul style="list-style-type: none"><li>• Leases &amp; Land Use Applications</li></ul>	<ul style="list-style-type: none"><li>• Lake Oswego sites</li></ul>
<ul style="list-style-type: none"><li>• Site Construction</li></ul>	<ul style="list-style-type: none"><li>• Whalehead / Oak Grove Butte / Goat Mt / Tom Dick &amp; Harry</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!





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

## Board of Directors Action Request

**To:** C800 Board of Directors  
**From:** John Hartsock, Manager  
**Date:** March 17, 2021  
**Re:** Approve the Issuance of a Purchase Order to Genesis Group for the upgrade of the existing Genesis system

**REQUEST:** It is hereby requested that the C800 Board of Directors approve a purchase order in the amount of \$142,154.00 to Genesis Group, Tyler Texas to upgrade the existing radio system reporting and management systems including installation on the new radio system.

**ISSUE:** The Genesis data system is an enabling technology to provide enhanced tracking, reporting, management, and research, as well as deployment and revision control for our radio users. This function is a force multiplier in that it automates work that would have to be done manually by one or more staff as we cut over to the new radios system by seamlessly interfacing the new Motorola Radio System to a newly acquired Asset Management system that allows for radio template revision control, programming scheduling and tracking, as well as work order tracking of labor and related costs for all preventative, routine, and emergency radio repairs.

Further Genesis will provides a manager of managers data system. The Operations Bridge provides a single focal point view across the complex two-way communications environment of the multiple Motorola ASTRO 25 radio zones. Data is filtered and correlated so that issues are quickly pinpointed down to their root cause. Integrated service level monitoring and measurement ensures resources are focused on addressing issues that impact critical services. In short, the Operations Bridge provides views to the entire ASTRO 25 radio system and related components through a single pane of glass.

**POLICY IMPLICATIONS:** None

**FINANCIAL:** 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 a purchase order in the amount of \$142,154.00 to Genesis Group, Tyler Texas to upgrade the existing radio system reporting and management systems including installation on the new radio system.