

# CLACKAMAS C800 RADIO GROUP

## BOARD OF DIRECTORS MEETING AGENDA

October 12, 2016 / 10:30AM

Meeting to be held at: CCOM - EOC 22200 Kaen Rd Oregon City, OR

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

1. Call the Board of Directors to Order - Chair Chief Fred Charlton
2. Roll Call of Partners: (17/9)

a. City of Canby	g. City of Sandy	m. Molalla Fire District
b. City of Gladstone	h. City of West Linn	n. Sandy Fire District
c. City of Lake Oswego	i. Boring Fire District	o. Tualatin Valley Fire & Rescue
d. City of Milwaukie	j. Canby Fire District	p. Clackamas County Sheriff
e. City of Molalla	k. Clackamas County Fire District #1	q. Clackamas County Health
f. City of Oregon City	l. Estacada Fire District	
3. \*Approval of Minutes of: September 14, 2016 Board Meeting
4. Public Comment
5. Communications
6. Financial Report- John Hartsock
7. Committee Reports
  - a. Executive Committee - Fred Charlton
  - b. Technical - John Hartsock
8. Old Business: (\* Action Item)
  - a. System Management: Ron Polluconi
  - b. Expansion of East County System - Molalla - Ron Polluconi / John Hartsock
  - c. System Upgrade/Replacement
    - i. Microwave Upgrade Status - Ron Polluconi
    - ii. Project procurement strategy - John Hartsock
    - iii. Status of Clackamas County IGA / Bond Sale - John Hartsock
    - iv. Site Acquisition Status - John Hartsock
  - d. Colton Fire Partnership Status
9. New Business: (\* Action Item)
  - a. \*Sawtell Microwave Contract Award - John Hartsock
  - b. \* Site Use Agreement with PGE for Timberline - John Hartsock
  - c. **Next Board Meeting November 9, 2016 10:30A @ CCOM - EOC**
10. Open Agenda
11. Adjournment

# **CLACKAMAS C800 RADIO GROUP**

## **Board of Directors Meeting**

### **Meeting Minutes of the September 14, 2016 Board Meeting**

Location: Clackamas County Public Services Building Rm 369A  
2051 Kaen Road, Oregon City, OR

1. **C800 Board Meeting Called to Order:** The C800 Board of Directors meeting was called to order at 10:31a.m. by Captain James Rhodes.
2. **The following were in attendance:**

City of Gladstone / Chief Tom O'Conner	Molalla Fire / Chief Vince Stafford
City of Lake Oswego / Capt Dale Jorgensen / Leslie Taylor	TVF&R Ass't Chief Mark Havener
City of Molalla / Chief Rod Lucich	CCSO / Under Sherriff Matt Ellington / Capt James Rhodes
City of Oregon City / Capt. Shaun Davis / Capt. Bill Kler	CCOM / Cheryl Bledsoe / Bob Cozzie / Mark Spross
City of Sandy / Chief Kim Yamashita	Clackamas County / Laurel Butman
City of West Linn / Capt. Neil Hennelly	CC Emergency Management – Jamie Hays
Boring Fire & Clackamas Fire/ Deputy Chief Ryan Hari	Day Wireless / Jamie Sanderson
Canby Fire / Chief Jim Davis	WCCCA / Ron Polluconi
Colton Fire / Richard Beaudoin	CCFD #1 / AT Deidre Toczyski
Estacada Fire / Div. Chief Rich Anderson	John Hartsock / Staff
	Dave Karnes / Attorney Skyland Neighbors
3. **Approval of Minutes – August 10, 2016 Board Meeting:** A motion was made to approve the minutes by Vince Stafford and seconded by Jim Davis. Motion passed unanimously.
4. **Motion was made by Ryan Hari to ratify the actions of the August 10, 2016 meeting. Motion was seconded by Jim Davis and passed unanimously.**
5. **Public Comment:** None
6. **Communications:** None
7. **Financial Report – John Hartsock:** Financial report for July and August 2016 was distributed and presented. Everything is tracking as it should. New accounted now has online access to the bank documents to be able to provide monthly financial reports in a timelier fashion.
8. **Committee Reports:**
  - a. Executive Committee – Fred Charlton
    - i. Chief Charlton was absent. Executive committee has not met since the last meeting.
  - b. Technical – John Hartsock
    - i. Committee will be meeting in two weeks.

## 9. Old Business:

- a. System Management – Ron Polluconi
  - i. Currently in a pre-winter prevention cycle. Will be fueling tanks next month.
  - ii. Failure rates are up slightly with repeaters.
- b. Expansion of East County System – Estacada/Molalla – John Hartsock / Ron Polluconi
  - i. Construction is nearly complete. Working on securing the facility and fencing will be up in coming weeks.
  - ii. Pre-stage microwave is in the shop. ETA on installation is about three weeks.
  - iii. Kudos due HPS Construction, they are doing very good site construction.
- c. System Upgrade/Replacement
  - i. Microwave Upgrade Status – Ron Polluconi
    - 1. All RF cutover complete for C800. There will be a slight impact to CCOM when the final WCCCA cut over is performed. So far there have been no reliability issues.
    - 2. Currently working on improving signal strength and final sign off.
  - ii. Project procurement strategy – John Hartsock
    - 1. A handout was provided in response to Chief Yamashita's letter concerning a sole source procurement. C800 is continuing to track WCCCA/Washington County and their approach to a sole source procurement.
    - 2. As part of the project plan we accounted for growth and normal accessories for the portion of radios furnished with bond dollars.
    - 3. Discussion of audit done by WSP on their sole source procurement.
    - 4. Ron and John are available to meet with city managers, councils, etc. to discuss their concerns.
  - iii. Status of Clackamas County IGA / Bond Sale – Laurel Butman
    - 1. Bond sale is currently scheduled for the beginning of December.
    - 2. Currently working on the IGA between C800 and the County.
  - iv. Site Acquisition Status – John Hartsock
    - 1. Process is proceeding as anticipated. Meeting with the city of Sandy and Canby have been scheduled.
    - 2. Hoping to get direction this week on the BLM on sites from BLM.
    - 3. National Forest Service has released us to do environmental work which can only be done in the spring.
    - 4. Working on finding a site in Damascus.

v. Encryption – Update Chief Charlton

1. Chief Charlton is absent, but there is a memo included in the handout packet.
2. Clackamas County Fire Defense Board met with Washington County's Fire Defense Board and the talk is to move forward with encryption capable radios, but no decision has been made yet on which talk groups would be encrypted.

vi. Citizen Committee / Appointment – John Hartsock

1. Have reviewed the citizens who have submitted their interest. There were 11 applicants, and these have been narrowed down to 8 applicants which geographically represent the County.
2. Motion made by Vince Stafford to approve the 8 applicants to the committee, motion was seconded by Neil Hennelly and passed unanimously.

vii. Project Management Contract Award – John Hartsock

1. Intent to award the contract to Ken Seemore and his firm (3dB Consulting).
2. Not finished with the fee negotiation and work scope, will bring back to the board next month.

d. Colton Fire Partnership Status

1. Colton ready to move forward.

**10. New Business:** None

**a. Next Board Meeting: October 12, 2016 – 10:30a.m. – CCOM/EOC**

**11. Open Agenda:** None

**12. Adjournment:** Meeting was adjourned at 11:25a.m.

# Clackamas 800 Radio Group

## Profit & Loss Budget vs. Actual

### July through September 2016

	Jul - Sep 16	Budget	\$ Over Budget	% of Budget
<b>Ordinary Income/Expense</b>				
<b>Income</b>				
401-00 · Beginning Fund Balance	0.00	0.00	0.00	0.0%
405-00 · Members Contracts	59,640.00	66,360.00	-6,720.00	89.9%
410-00 · Partners Fees	864,360.00	913,500.00	-49,140.00	94.6%
415-00 · Mobile Data Devices	0.00	1,560.00	-1,560.00	0.0%
420-00 · Partners Debt Service Zone Cont	93,689.00	93,689.00	0.00	100.0%
421-00 · Partner Debt Service Microwave	52,388.00	52,388.00	0.00	100.0%
431-00 · Interest Income	5.31	100.00	-94.69	5.3%
435-00 · Lease Revenue	9,130.00	44,368.00	-35,238.00	20.6%
440-00 · Miscellaneous Income	0.00	1,000.00	-1,000.00	0.0%
<b>Total Income</b>	<b>1,079,212.31</b>	<b>1,172,965.00</b>	<b>-93,752.69</b>	<b>92.0%</b>
<b>Gross Profit</b>	<b>1,079,212.31</b>	<b>1,172,965.00</b>	<b>-93,752.69</b>	<b>92.0%</b>
<b>Expense</b>				
605-00 · Site Rental	24,759.18	146,294.00	-121,534.82	16.9%
610-00 · Fuel/Generators	0.00	2,500.00	-2,500.00	0.0%
615-00 · HVAC Maintenance	2,194.00	4,500.00	-2,306.00	48.8%
620-00 · Landscape Maintenance	3,810.00	7,000.00	-3,190.00	54.4%
621-00 · Office Supplies	853.67	3,500.00	-2,646.33	24.4%
625-00 · Generator Maintenance	0.00	12,000.00	-12,000.00	0.0%
630-00 · UPS Maintenance	0.00	5,000.00	-5,000.00	0.0%
635-00 · Battery Maintenance	0.00	10,000.00	-10,000.00	0.0%
645-00 · Insurance	1,033.29	27,000.00	-25,966.71	3.8%
650-00 · Utilities	12,597.96	58,500.00	-45,902.04	21.5%
655-00 · Consultant Services	6,200.00	25,000.00	-18,800.00	24.8%
657-00 · Regional Radio Expense	0.00	1,500.00	-1,500.00	0.0%
660-00 · WCCCA System Fees	283,559.50	565,777.00	-282,217.50	50.1%
665-00 · Radio Maintenance Fees	5,528.20	80,000.00	-74,471.80	6.9%
667-00 · Radio Replacement Project	0.00	50,000.00	-50,000.00	0.0%
670-00 · Legal Services	960.00	8,000.00	-7,040.00	12.0%
675-00 · Financial Services	0.00	7,000.00	-7,000.00	0.0%
680-00 · Audit Fees	0.00	7,000.00	-7,000.00	0.0%
683-00 · Capital Reserve	0.00	50,000.00	-50,000.00	0.0%
685-00 · Miscellaneous Expenses	4,735.00	1,318.00	3,417.00	359.3%
690-00 · Interest Expenses	-190.14			
703-00 · Capital Outlay	206,655.45	10,000.00	196,655.45	2,066.6%
795-00 · Debt Service	100,661.44	146,077.00	-45,415.56	68.9%
800-00 · Operating Contingency	0.00	45,000.00	-45,000.00	0.0%
<b>Total Expense</b>	<b>653,357.55</b>	<b>1,272,966.00</b>	<b>-619,608.45</b>	<b>51.3%</b>
<b>Net Ordinary Income</b>	<b>425,854.76</b>	<b>-100,001.00</b>	<b>525,855.76</b>	<b>-425.9%</b>
<b>Net Income</b>	<b>425,854.76</b>	<b>-100,001.00</b>	<b>525,855.76</b>	<b>-425.9%</b>

9:07 AM

10/07/16

Accrual Basis

# Clackamas 800 Radio Group Profit & Loss Detail

September 2016

Type	Date	Num	Name	Memo	Class	Amount	Balance
<b>Ordinary Income/Expense</b>							
<b>Income</b>							
<b>431-00 · Interest Income</b>							
Deposit	09/30/2016			Interest		2.70	2.70
Total 431-00 · Interest Income						2.70	2.70
<b>435-00 · Lease Revenue</b>							
Deposit	09/23/2016		FBI	Deposit		130.00	130.00
Deposit	09/23/2016		FBI	Deposit		130.00	260.00
Total 435-00 · Lease Revenue						260.00	260.00
Total Income						262.70	262.70
Gross Profit						262.70	262.70
<b>Expense</b>							
<b>605-00 · Site Rental</b>							
Bill	09/26/2016		Darren E. Mc Ara	Lease Agreement Sandy Site		1,000.00	1,000.00
Total 605-00 · Site Rental						1,000.00	1,000.00
<b>620-00 · Landscape Maintenance</b>							
Bill	09/14/2016	16-0635	Valley View Landworks	Mountain View		390.00	390.00
Bill	09/14/2016	16-0635	Valley View Landworks	Mount Scott		390.00	780.00
Bill	09/14/2016	16-0635	Valley View Landworks	Petes Mountain		390.00	1,170.00
Bill	09/14/2016	16-0635	Valley View Landworks	Polivka Hill		390.00	1,560.00
Bill	09/14/2016	16-0635	Valley View Landworks	Redland Road		390.00	1,950.00
Bill	09/14/2016	16-0635	Valley View Landworks	View Acres		390.00	2,340.00
Bill	09/14/2016	16-0635	Valley View Landworks	Brightwood		490.00	2,830.00
Bill	09/14/2016	16-0635	Valley View Landworks	Linhart Butte		490.00	3,320.00
Bill	09/14/2016	16-0635	Valley View Landworks	Goat Mountain		490.00	3,810.00
Total 620-00 · Landscape Maintenance						3,810.00	3,810.00
<b>621-00 · Office Supplies</b>							
Bill	09/26/2016		Hartsock Project Mgmt.	Arkadin Tele conf - 7/1-7/31/16		14.94	14.94
Bill	09/26/2016		Hartsock Project Mgmt.	Microsoft - Schedule Software		25.00	39.94
Bill	09/26/2016		Hartsock Project Mgmt.	Microsoft - Visio Software		13.00	52.94
Bill	09/26/2016		Hartsock Project Mgmt.	MinuteMan Press		26.99	79.93
Bill	09/26/2016		Hartsock Project Mgmt.	Fed Ex Kinko		48.00	127.93
Bill	09/26/2016		Hartsock Project Mgmt.	Office Depot		96.97	224.90
Total 621-00 · Office Supplies						224.90	224.90
<b>645-00 · Insurance</b>							
Bill	09/01/2016		SDAO	Membership Dues		1,033.29	1,033.29
Total 645-00 · Insurance						1,033.29	1,033.29
<b>650-00 · Utilities</b>							
Check	09/02/2016		PGE			527.14	527.14
Check	09/07/2016		PGE			483.73	1,010.87
Check	09/14/2016		PGE			377.89	1,388.76
Check	09/15/2016		PGE			382.65	1,771.41
Check	09/15/2016		PGE			529.63	2,301.04
Check	09/21/2016		PGE			584.69	2,885.73
Check	09/22/2016	EFTPS	PGE			492.76	3,378.49
Check	09/22/2016	EFTPS	PGE			216.64	3,595.13
Check	09/29/2016		PGE			444.25	4,039.38
Total 650-00 · Utilities						4,039.38	4,039.38
<b>655-00 · Consultant Services</b>							
Bill	09/26/2016		Hartsock Project Mgmt.	Staff Support Aug 2016		2,000.00	2,000.00
Total 655-00 · Consultant Services						2,000.00	2,000.00
<b>685-00 · Miscellaneous Expenses</b>							
Bill	09/20/2016	00028...	APCO International	Frequency Coordination Fees		4,240.00	4,240.00
Total 685-00 · Miscellaneous Expenses						4,240.00	4,240.00
<b>703-00 · Capital Outlay</b>							
Bill	09/01/2016	9003247	Don Cushing Associates, Inc		Crutcher's Benc...	1,613.50	1,613.50
Bill	09/01/2016	9003245	Don Cushing Associates, Inc		Canby	7,281.00	8,894.50
Bill	09/01/2016	9003246	Don Cushing Associates, Inc		Highland Butte	3,889.00	12,783.50
Bill	09/01/2016		Don Cushing Associates, Inc	VOID:	Highland Butte	0.00	12,783.50
Bill	09/11/2016	6806	Securasite LLC		Wilsonville	762.50	13,546.00
Bill	09/11/2016	6807	Securasite LLC	Hourly Work	Sandy High	550.00	14,096.00
Bill	09/11/2016	6804	Securasite LLC	Hourly Work	Skyland	1,193.75	15,289.75
Bill	09/11/2016	6808	Securasite LLC	Mileage	Sandy High	46.98	15,336.73
Bill	09/11/2016	6805	Securasite LLC	Mileage, postage	Skyland	44.76	15,381.49
Bill	09/12/2016	16046-1	McKay Consulting	Survey	Canby	2,960.00	18,341.49
Bill	09/12/2016	6813	Securasite LLC	Hourly Work	Crutcher's Benc...	1,656.25	19,997.74
Bill	09/12/2016	6810	Securasite LLC		Canby	3,293.75	23,291.49
Bill	09/12/2016	6812	Securasite LLC	Mileage, locks, gate keeper	Crutcher's Benc...	108.42	23,399.91
Bill	09/12/2016	6816	Securasite LLC	Hourly Work	Lake Oswego	625.00	24,024.91
Bill	09/12/2016	6811	Securasite LLC	Hourly Work	Highland Butte	706.25	24,731.16
Bill	09/12/2016	6809	Securasite LLC	Hourly Work	Canby	115.02	24,846.18
Bill	09/12/2016	6817	Securasite LLC	Pre-Application Meeting Fee	Canby	700.00	25,546.18
Bill	09/12/2016	6815	Securasite LLC	Mileage	Lake Oswego	51.30	25,597.48
Bill	09/12/2016	6814	Securasite LLC	Hourly Work	Tom Dick and H...	50.00	25,647.48
Bill	09/12/2016	EFTPS	PGE	Dayhill		0.00	25,647.48
Bill	09/14/2016	16099	Black Mountain Consulting	Geotechnical Engineering Ev...	Canby	5,100.00	30,747.48
Bill	09/14/2016	16099	Black Mountain Consulting	Soils Resistivity Testing	Canby	450.00	31,197.48

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10/07/16

Accrual Basis

# Clackamas 800 Radio Group Profit & Loss Detail

September 2016

Type	Date	Num	Name	Memo	Class	Amount	Balance
Bill	09/14/2016	16099	Black Mountain Consulting	Seismic Analysis	Canby	2,500.00	33,697.48
Bill	09/14/2016	16100	Black Mountain Consulting	Phase 1 Environmental Asse...	Canby	2,000.00	35,697.48
Total 703-00 · Capital Outlay						35,697.48	35,697.48
<b>795-00 · Debt Service</b>							
Check	09/26/2016	AUTO	Clackamas County Bank	Pmt# 5		2,399.09	2,399.09
Total 795-00 · Debt Service						2,399.09	2,399.09
Total Expense						54,444.14	54,444.14
Net Ordinary Income						-54,181.44	-54,181.44
<b>Net Income</b>						<b>-54,181.44</b>	<b>-54,181.44</b>

## Clackamas 800 Radio Group

## Trial Balance

10/07/16

As of September 30, 2016

Accrual Basis

		Sep 30, 16	
		Debit	Credit
115-00 · Cash/Checking Account		58,515.94	
11000 · Accounts Receivable		384,388.00	
120-00 · Member Fees Receivable		0.00	
12000 · Undeposited Funds		0.00	
150-00 · Prepaid Expenses		0.00	
160-00 · Buildings and Towers		10,522,952.20	
165-00 · Radio Backbone		2,520,898.80	
166-00 · Equipment		704,983.00	
167-00 · Work In Progress		0.00	
175-00 · Accumulated Depreciation			7,086,855.79
201-00 · Accounts Payable		0.00	
201-02 · Other Accounts Payable		0.00	
210-00 · Reimb due Clackamas County		0.00	
438-00 · Microwave Loan			400,957.08
300-00 · Fund Balance		0.00	
310-00 · Investment in Fixed Assets			6,661,978.21
320-00 · Retained Earnings, Prior		383,907.90	
405-00 · Members Contracts			59,640.00
410-00 · Partners Fees			864,360.00
415-00 · Mobile Data Devices		0.00	
420-00 · Partners Debt Service Zone Cont			93,689.00
421-00 · Partner Debt Service Microwave			52,388.00
431-00 · Interest Income			5.31
435-00 · Lease Revenue			9,130.00
605-00 · Site Rental		24,759.18	
615-00 · HVAC Maintenance		2,194.00	
620-00 · Landscape Maintenance		3,810.00	
621-00 · Office Supplies		853.67	
645-00 · Insurance		1,033.29	
650-00 · Utilities		12,597.96	
655-00 · Consultant Services		6,200.00	
660-00 · WCCCA System Fees		283,559.50	
665-00 · Radio Maintenance Fees		5,528.20	
670-00 · Legal Services		960.00	
685-00 · Miscellaneous Expenses		4,735.00	
690-00 · Interest Expenses			190.14
703-00 · Capital Outlay		206,655.45	
795-00 · Debt Service		100,661.44	
<b>TOTAL</b>		<b>15,229,193.53</b>	<b>15,229,193.53</b>



**Clackamas 800 Radio Group**  
**Balance Sheet**  
**As of September 30, 2016**

	Sep 30, 16
<b>ASSETS</b>	
Current Assets	
Checking/Savings	
115-00 · Cash/Checking Account	58,515.94
Total Checking/Savings	58,515.94
Accounts Receivable	
11000 · Accounts Receivable	384,388.00
Total Accounts Receivable	384,388.00
Total Current Assets	442,903.94
Fixed Assets	
160-00 · Buildings and Towers	10,522,952.20
165-00 · Radio Backbone	2,520,898.80
166-00 · Equipment	704,983.00
175-00 · Accumulated Depreciation	-7,086,855.79
Total Fixed Assets	6,661,978.21
<b>TOTAL ASSETS</b>	<b>7,104,882.15</b>
<b>LIABILITIES &amp; EQUITY</b>	
Liabilities	
Current Liabilities	
Other Current Liabilities	
438-00 · Microwave Loan	400,957.08
Total Other Current Liabilities	400,957.08
Total Current Liabilities	400,957.08
Total Liabilities	400,957.08
Equity	
310-00 · Investment in Fixed Assets	6,661,978.21
320-00 · Retained Earnings, Prior	-383,907.90
Net Income	425,854.76
Total Equity	6,703,925.07
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>7,104,882.15</b>

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10/07/16

## Clackamas 800 Radio Group

## A/R Aging Detail

As of September 30, 2016

Type	Date	Num	Name	Due Date	Aging	Open Balance
<b>Current</b>						
Total Current						
<b>1 - 30</b>						
Total 1 - 30						
<b>31 - 60</b>						
Invoice	08/18/2016	16-211	West Linn	08/18/2016	43	32,625.00
Total 31 - 60						32,625.00
<b>61 - 90</b>						
Invoice	07/15/2016	16-175	Clackamas County FD #1	07/15/2016	77	206,019.00
Invoice	07/15/2016	16-177	City of Canby	07/15/2016	77	30,609.00
Invoice	07/15/2016	16-180	City of Gladstone - Police	07/15/2016	77	16,990.00
Invoice	07/15/2016	16-181	City of Gladstone - Fire	07/15/2016	77	23,522.00
Invoice	07/15/2016	16-189	West Linn	07/15/2016	77	18,060.00
Invoice	07/21/2016	16-193	Boring Water	07/21/2016	71	840.00
Invoice	07/28/2016	16-201	Clackamas County - Juvenile Dept	07/28/2016	64	1,680.00
Invoice	07/28/2016	16-203	Clackamas River Water District	07/28/2016	64	6,720.00
Invoice	07/28/2016	16-205	Sunrise Water	07/28/2016	64	5,040.00
Invoice	07/29/2016	16-196	Sandy Fire	07/29/2016	63	41,883.00
Total 61 - 90						351,363.00
<b>&gt; 90</b>						
Invoice	09/18/2015	15-146	Clackamas County - Code Enforcement	09/18/2015	378	1,600.00
Payment	11/20/2015	079530	City of Gladstone - Fire			-1,200.00
Total > 90						400.00
<b>TOTAL</b>						<b>384,388.00</b>

# Radio System Upgrade

## Project Financial Status

Project:	Radio System Upgrade		
Date Original:	10/1/2015	Date Updated:	10/12/2016
Project Manager:	John Hartsock		

Item	Budget	Original Encumbrance	Additional Encumbrance / Change Order	Estimate to Complete	Estimated Total	(Over) Under Budget	Expended
<b>Soft Cost</b>							
Issue Research - Patinkin	70,000	39,400.00	8,600.00	0.00	48,000.00	22,000.00	44,450.00
Public Education	Budgeted in Radio Replacement not Capital				0.00		57,019.20
Site Acquisition Consulting / Permits - Quest	60,000	30,000.00	40,000.00	0.00	70,000.00	(10,000.00)	66,519.81
Site Acquisition Consulting / Permits - Securasite	250,000	17,000.00	219,750.00	0.00	236,750.00	13,250.00	80,353.91
Site Planning - Cushing	400,000	13,025.00	250,000.00	60,000.00	323,025.00	76,975.00	131,708.49
Geotechnical / Environmental Consulting - Black Mtn	100,000	8,050.00	20,000.00	70,000.00	98,050.00	1,950.00	27,200.00
Survey - McKay	70,000	4,490.00	10,000.00	55,000.00	69,490.00	510.00	11,220.00
USFS Land Use Fees					0.00	0.00	
Printing					0.00	0.00	
Bid Advertising					0.00	0.00	
Plan Check / Permit Cost					0.00	0.00	
Materials Testing & Inspection					0.00	0.00	
Project Management	265,000				0.00	265,000.00	
Legal Fees					0.00	0.00	
Insurance				0.00	0.00	0.00	
Licensing	20,000				0.00	20,000.00	0.00
<b>Sub-Total Soft Cost</b>	<b>1,165,000</b>	<b>72,565.00</b>	<b>539,750.00</b>	<b>185,000.00</b>	<b>797,315.00</b>	<b>367,685.00</b>	<b>317,002.21</b>
<b>Construction Cost</b>							
Site Construction	9,500,000	293,788.00		0.00	293,788.00	9,206,212.00	180,131.17
Generator	5,755,000				0.00	5,755,000.00	
48VDC	1,065,000				0.00	1,065,000.00	
Lake Oswego Antenna	18,000	17,500.00	0.00	0.00	17,500.00	500.00	17,511.75
<b>Sub-Total Construction Cost</b>	<b>16,338,000</b>	<b>311,288.00</b>	<b>0.00</b>	<b>0.00</b>	<b>311,288.00</b>	<b>16,026,712.00</b>	<b>197,642.92</b>
<b>Equipment Costs</b>							
Simulcast Equipment	14,928,000				0.00	14,928,000.00	
Master Site Equipment	3,534,000				0.00	3,534,000.00	
Console	1,650,000				0.00	1,650,000.00	

## Project Financial Status

Project:	<b>Radio System Upgrade</b>		
Date Original:	10/1/2015	Date Updated:	10/12/2016
Project Manager:	John Hartsock		

Item	Budget	Original Encumbrance	Additional Encumbrance / Change Order	Estimate to Complete	Estimated Total	(Over) Under Budget	Expended
Back up Dispatch	426,000				0.00	426,000.00	
Spares	1,200,000				0.00	1,200,000.00	
Paging	373,000				0.00	373,000.00	
Subscriber Radios	5,000,000	1,515,648.63			1,515,648.63	3,484,351.37	
Unified Push to Talk	188,000				0.00	188,000.00	
Asset Management	119,000				0.00	119,000.00	
Post Warranty	3,100,000				0.00	3,100,000.00	
System Refresh / Upgrade	2,700,000				0.00	2,700,000.00	
Test Equipment	100,000				0.00	100,000.00	
Microwave	3,368,000	406,169.00			406,169.00	2,961,831.00	369,783.28
Telephone / Data Equip					0.00	0.00	
Security System	1,364,000				0.00	1,364,000.00	

Bond Cost	1,000,000						
<b>Subtotal Other Costs</b>	<b>39,050,000</b>	<b>1,921,817.63</b>	<b>0.00</b>	<b>0.00</b>	<b>1,921,817.63</b>	<b>36,128,182.37</b>	<b>369,783.28</b>
<b>Subtotal Project Cost</b>	<b>56,553,000</b>	<b>2,305,670.63</b>	<b>539,750.00</b>	<b>185,000.00</b>	<b>3,030,420.63</b>	<b>52,522,579.37</b>	<b>884,428.41</b>
<b>Contingency - 5%</b>	<b>2,544,885</b>			<b>0.00</b>	<b>0.00</b>	<b>2,544,885.00</b>	
<b>Total Project Cost</b>	<b>59,097,885</b>	<b>2,305,670.63</b>	<b>539,750.00</b>	<b>185,000.00</b>	<b>3,030,420.63</b>	<b>55,067,464.37</b>	<b>884,428.41</b>



11300 SE Fuller Rd  
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## Board of Directors Action Request

**To:** C800 Board of Directors  
**From:** John Hartsock, Manager  
**Date:** October 12, 2016  
**Re:** Approval of Microwave Networks Equipment Purchase

**REQUEST:** It is hereby requested that the C800 Board of Directors approve a purchase in the amount of \$58,615 with Microwave Networks to furnish and install a microwave equipment between the Sawtell site and the Goat Mtn site.

**ISSUE:** In order to make the Sawtell site operational we need to establish a microwave connection to the Goat Mtn site to place the Sawtell site on the network.

**PROJECT DESCRIPTION:** The furnishing and installation of 2 microwave radios and associated antenna and power systems at 2 tower sites. This microwave equipment is compatible with the new system recently installed for C800.

The C800 project cost is \$58,615.

In accordance with ORS 279B.070 this is an intermediate procurement. When conducting an intermediate procurement, a contracting agency shall seek at least three informally solicited competitive price quotes or competitive proposals from prospective contractors. The contracting agency shall keep a written record of the sources of the quotes or proposals received. If three quotes or proposals are not reasonably available, fewer will suffice, but the contracting agency shall make a written record of the effort the contracting agency makes to obtain the quotes or proposals.

Staff contacted Microwave Networks / Ericson Microwave / Aviat Microwave / Alcatel Microwave and only received a quote from Microwave Networks. Pricing was verified on HGAC and NASPO, both national purchasing cooperatives, which contained pricing for Aviat and Alcatel and those prices were higher than the quoted price from Microwave Networks.

**FINANCE:** The funds are budgeted as a part of the Radio Upgrade Project and are part of the bond funding.

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

**RECOMMENDATION:** It is recommended that the C800 Board of Directors approve a purchase in the amount of \$58,615 with Microwave Networks to furnish and install a microwave equipment between the Sawtell site and the Goat Mtn site.



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## Board of Directors Action Request

**To:** C800 Board of Directors  
**From:** John Hartsock, Manager  
**Date:** October 12, 2016  
**Re:** Approval of PGE Use of Timberline Site

**REQUEST:** It is hereby requested that the C800 Board of Directors approve a site use agreement with PGE at the Timberline site.

**ISSUE:** PGE has requested that C800 enter into a site use agreement to allow them to place radios at the Timberline site for their communications system.

**PROJECT DESCRIPTION:** PGE to place radios on their communications system at the Timberline site to enhance their coverage in the Timberline area.

**FINANCE:** PGE will contract with C800 for microwave connectivity to CCOM to connect to PGE's communication backbone.

**LEGAL:** A C800 site use agreement will be utilized as approved by legal counsel.

**RECOMMENDATION:** It is recommended that the C800 Board of Directors approve a site use agreement with PGE at the Timberline site.