CLACKAMAS C800 RADIO GROUD

BOARD OF DIRECTORS MEETING AGENDA

January 10,2017 / 10:30AM

Meeting to be held at: Development Services Building, 150 Beavercreek Rd, Room 232 Oregon City, OR

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

- 1. Call the Board of Directors meeting to Order Chair Captain James Rhodes
- 2. Roll Call of Partners: (18/10)

a. City of Canby g. City of Sandy m. Hoodland Fire District
b. City of Gladstone h. City of West Linn n. Molalla Fire District
c. City of Lake Oswego i. Canby Fire District o. Sandy Fire District

d.City of Milwaukie j. Clackamas Fire District #1 p. Tualatin Valley Fire & Rescue e.City of Molalla k. Colton Fire District q. Clackamas County Sheriff f. City of Oregon City 1. Estacada Fire District r. Clackamas County Health

- 3. *Approval of Minutes of: December 6, 2017 Board Meeting
- 4. Public Comment
- 5. Communications
- 6. Financial Report John Hartsock
- 7. Committee Reports
 - a. Executive Committee James Rhodes
 - b. Technical John Hartsock Next Meeting January 24, 2018 CCOM 9:30a
 - c. Citizen Accountability John Hartsock Next Meeting March 21,2018
- 8. Old Business: (* Action Item)
 - a. System Management: Ron Polluconi
 - b. System Upgrade/Replacement
 - i. Project Status / Procurement John Hartsock
 - ii. Radio Stipend Update John Hartsock
 - iii. Paging Ron Polluconi
- 9. New Business: (* Action Item)
 - a. *Election of Officers Chair Deputy Chief Ryan Hari / 1st Vice Chair Chief Steve Bartol / 2nd Vice Chair to be elected

- b. * 2018/19 Budget Process / Appoint John Hartsock Budget Officer
- c. * Acceptance of FY 2016/2017 Financial Audit John Hartsock
- d. * Approval of building purchase contract John Hartsock
- e. Next Board Meeting February 7, 2018 10:30A @ Public Service Building Room 369B
- 10. Open Agenda
- 11. Adjournment

CLACKAMAS C800 RADIO GROUP

Board of Directors Meeting

Meeting Minutes of the December 6, 2017 Board Meeting

Location: Public Services Building - 2051 Kaen Rd, Oregon City, OR

1. **C800 Board Meeting Called to Order:** The C800 Board of Directors meeting was called to order at 10:30 am by Division Chief Ryan Hari.

2. The following were in attendance:

City of Canby / Chief Bret Smith

City of Gladstone / Chief Jeff Jolley / Deputy

Chief Randy Hopperstad

City of Lake Oswego / Leslie Taylor

City of Milwaukie / Chief Steve Bartol / Capt

Mark Dye

City of Molalla / Chief Rod Lucich

City of Sandy / Chief Ernie Roberts

City of West Linn / Lt. Milo Stradley

Canby Fire District / Chief Jim Davis

Clackamas Fire / Deputy Chief Ryan Hari /

Amanda Neelands

Molalla Fire / Chief Vince Stafford Sandy Fire / Chief Phil Schneider TVFR / Chief Mark Havener

Clackamas County Disaster Mgmt / Jamie

Poole

Clackamas County / Brian Nava Day Wireless / Randy Kruger / Jami

Sanderson

C800/WCCCA / John Hartsock / Bjorn

Morfin / Ron Polluconi

3. Approval of Minutes – October 18, 2017 Board Meeting: Bret Smith made a motion to approve the minutes as submitted and second was made by Mark Havener. A unanimous vote was cast to approve the minutes.

4. Public Comment: None

5. Communications: None

6. Financial Report – John Hartsock: The months of September and October are included and we are tracking on budget. Our Fiscal Year 16/17 audit from Jarrard, Seibert, Pollard & Co. is included. The audit was clean with no management comments. There will be an agenda item for acceptance of the audit at the next C800 Board meeting.

7. Committee Reports:

- a. Executive Committee Ryan Hari
 - i. Did not meet.
- b. Technical John Hartsock
 - i. Set to meet on December 20th. Will be discussing upgrades, and CAD interfaces for the radio system.
- c. Citizen Accountability Committee John Hartsock
 - i. Meeting on December 20th for their quarterly meeting at the Oregon City library at 6:30 pm.

8. Old Business:

a. System Management – Ron Polluconi

- i. Continuing to see some fallout with repeaters, shouldn't be negatively effecting anyone. Have had some patch related issues on our microwave system. Working on an engineering solution and it looks promising.
- ii. Everything looks good going into winter. Stable with no issues foreseen.
- b. System Upgrade/Replacement John Hartsock
 - i. Project Procurement
 - 1. Our communication shelter vendor (GFRC Dallas, Texas) went out of business. We have paid contractual deposits of approximately \$300,000. We are working with legal counsel on filing a claim. It was suggested that we check with our insurance carrier for coverage. Some of the employees of GFRC have joined a new company which we are meeting with tomorrow, more to come. Will likely re-bid the procurement.
 - 2. Construction with Summit is going well. Damascus has been cleared and foundation excavation started.
 - 3. Todd Hess Construction is submitting for permits on the upgrade on existing sites.
 - 4. Lake Oswego City Council approved our lease for the Cooks Butte site last night. We still need to go through land use in Lake Oswego for the site.
 - 5. Bjorn will be meeting the Forest Service this week to formalize the extension of the cost recovery agreement. All is proceeding on schedule.
 - ii. Radio Stipend John Hartsock
 - A handout provided which listed radio counts and cost based on information from Motorola. After reviewing it was determined that the numbers reflected were incorrect in many instances as they included upgrades as well as new radios. A revised form will be developed and provided at the next meeting.
 - 2. The radios are in town but we are still waiting on accessories.
 - 3. Programming will begin after January 1.
 - 4. Distribution, install, etc. timeline to come.
 - 5. Leslie Taylor queried the formula for the use of the stipend and requested that it be reviewed and presented at the next meeting.
 - iii. Directions for the New Radio System/Features/Encryption Ron Polluconi
 - 1. See attached handout.
 - iv. Fire Station Alerting Ron Polluconi
 - 1. The new fire station alerting will allow for 40-60 second faster notification to get out the door along with text to voice capability for the dispatch message.
 - 2. We are researching the vendors available; which appear to be Comtech or US Digital.
 - v. Paging Ron Polluconi
 - 1. Will cover in detail at the January meeting.

9. New Business:

- a. *The C800 Board, acting as the Local Contract Review Board, is asked to make a sole source determination and Award a Contract to Microwave Networks Inc.
- i. Jim Davis made a motion to authorize the sole source determination and award a contract to Microwave Networks Inc. The motion was seconded by Bret Smith a

unanimous vote was cast to approve acting as the Local Contract Review Board and make a sole source determination and Award a Contract to Microwave Networks Inc.

b. Next Board Meeting - January 10, 2018 10:30am at CCOM/EOC

- 10. Open Agenda: None
- 11. Adjournment: Meeting was adjourned at 12:03 pm by Division Chief Ryan Hari.

UP AND COMING DIRECTIONS FOR THE NEW RADIO SYSTEM

Encryption, Data, Location Services

Project Leader: Ron Polluconi – WCCCA 911

Date: November 6, 2017



Current Understanding – Encryption

Law Enforcement will be fully encrypted

- Portland TG's will follow their fleet mapping strategy
- State (OSP) TG's will follow their fleet mapping strategy
- Federal (DOJ) TG's will follow their fleet mapping strategy
- Should there be unencrypted Mutual Aid TG's?

Fire will NOT be encrypted

- Radios will have all Law TG's encrypted for interoperable communications and Mutual Aid.
 - Fire will move to Law TG's during events requiring high security communications.

Medical will NOT be encrypted

 Medical will move to Law TG's during events requiring high security communications.



1/1/2018

News/Media and Encryption

- What options are being considered?
 - Provide Receive only radios and only on specific TG's (dispatch as an example).
 - These radios would be able to decrypt encrypted TG's
 - Provide Media with a WAVE application configured with specific TG's (dispatch as an example).
 - The WAVE application would be setup just as the radio described above.
 - Create a WEB site where approved TG's are streamed over the internet with time delayed audio...
 - Delay is totally variable (example 10 minutes)
 - Stream may be stopped/interrupted at any time
 - Don't allow media to have any access to any TG's



Standardizing TG Naming

- Each Agency Determines their TG Alias Name
 - Example: Beaverton PD * BPD-1, BPD-2, BPD-3... etc..
 - All other agencies with Beaverton PD TG's in their radios would have the same TG name/alias.
 - This would include Regional, State, and Federal agencies with P25 Trunked Radio equipment.
- Promotes/simplifies interoperable communications
- Simplifies Dispatch Operations and direction to field personnel when directing them to a common TG (channel) for a large event.
 - Super helpful to personnel whom do not use another agencies TG's very often.
- WCCCA Technical Staff to work with Agencies to de-conflict duplicate TG Alias name.
 - Example: WCSO-1 ** Washington County Sheriff's Office Dispatch Channel 1
 - WCSO-1 ** Wasco County Sheriff's Office Dispatch Channel 1
 - Technical Staff would work with the Agencies to determine a unique Alias for each County Sheriff's department.



Concept - Use of Dynamic Zones

- Provide users with the ability to create their own 3 zones with what ever talk groups (channels they want in their radios).
- WCCCA Staff propose that 3 zones in the radios be set aside for the user community to customize their radios by selecting any of the TG's programmed into their radios and organizing them in the most convenient manner to them.
 - These zones could be adjacent to the first three zones (A,B,C) or (D,E,F)



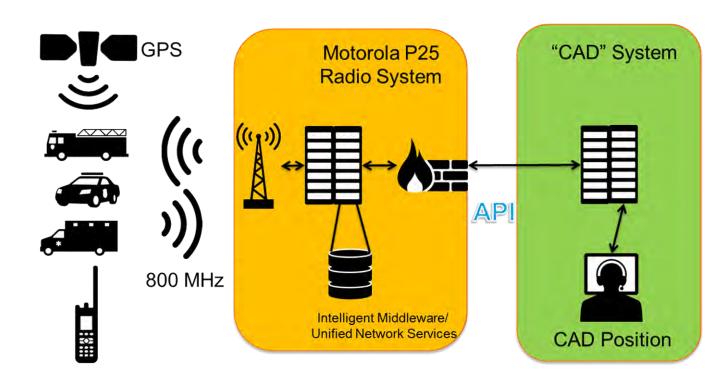
Cut Over Strategy

- Create P25 Zones that look the same as the current Zone 1 – 3 (first 48 channels).
- On the day of cut over users will
 - Press a Key on their radio that will SWAP the first 3 Analog Zones (A,B,C) for 3 P25 Zones that look and operate the same way (A,B,C)
 - Cut back in case of a problem would be to SWAP Zones and return to the Analog System.



New Features

SYSTEM DATA OVERVIEW



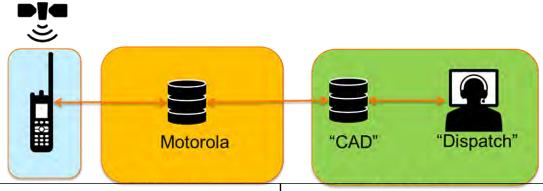
P25 Subscribers P25 Radio System





New Features

GPS LOCATION FLOW



Subscriber to Motorola:

- Every PTT (Push to Talk)
- Location on Emergency
- Relative Time (intervals)
- Relative Distance (movement)
- Request from CAD (where are you now?)
- Configurable based on operational needs

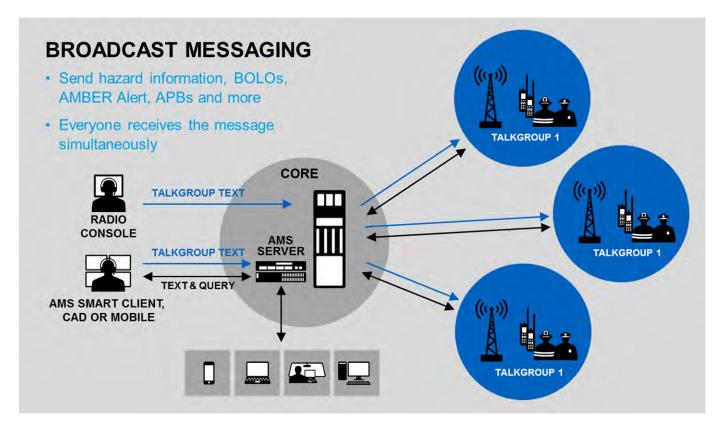
Motorola to CAD:

- CAD retrieves data via API
- API allows TRI-TECH to integrate to Tri-Tech mapping application.
- CAD System dictates what is displayed and how often



New Features

TALKGROUP TEXT MESSAGING





New Radio Distribution Plan

- Must complete Fleet Mapping
 - Decision on Encryption
 - Decision on Standardized TG Alias's
 - •Cut over Plan Finalized
 - Templates developed and Tested
 - •Establish Schedules for each Agency
 - •Begin programming and distribution
 - Expected to begin Late Spring 2018



Clackamas 800 Radio Group Profit & Loss Budget vs. Actual

July through November 2017

	Jul - Nov 17	Budget	\$ Over Budget	% of Budget
Ordinary Income/Expense				
Income 401-00 · Beginning Fund Balance 405-00 · Members Contracts 410-00 · Partners Fees	0.00 1,343,018.68 946,343.00	334,113.00 61,770.00 965,483.00	-334,113.00 1,281,248.68 -19,140.00	0.0% 2,174.2% 98.0%
410-00 · Faithers Fees 415-00 · Mobile Data Devices	0.00	0.00	0.00	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 430-00 · Subscriber Radio Payments	0.00 4,182.96	0.00	0.00	0.0%
431-00 · Interest Income	35.46	100.00	-64.54	35.5%
435-00 · Lease Revenue 440-00 · Miscellaneous Income	11,155.00 0.00	45,000.00 1.000.00	-33,845.00 -1,000.00	24.8% 0.0%
450-00 · Intergovernmental-Clackamas Co	13,528,264.32	39,200,000.00	-25,671,735.68	34.5%
455-00 · Bond Interest Income	0.00	550,000.00	-550,000.00	0.0%
Total Income	15,926,688.42	41,251,155.00	-25,324,466.58	38.6%
Gross Profit	15,926,688.42	41,251,155.00	-25,324,466.58	38.6%
Expense 605-00 · Site Rental	44,116.40	211,702.00	-167,585.60	20.8%
610-00 · Fuel/Generators	0.00	1,500.00	-1,500.00	0.0%
615-00 · HVAC Maintenance	6,442.17	9,000.00	-2,557.83	71.6%
620-00 · Landscape Maintenance 621-00 · Office Supplies	4,710.00 120.00	6,000.00 3,000.00	-1,290.00 -2,880.00	78.5% 4.0%
622-00 · Bad Debt Expense	0.00	0.00	0.00	0.0%
625-00 ⋅ Generator Maintenance 630-00 ⋅ UPS Maintenance	9,925.44 0.00	9,000.00 5.000.00	925.44 -5,000.00	110.3% 0.0%
635-00 · Battery Maintenance	0.00	5,000.00	-5,000.00	0.0%
645-00 · Insurance	1,290.90	29,000.00	-27,709.10	4.5%
650-00 · Utilities	25,162.80	75,000.00	-49,837.20	33.6%
655-00 · Consultant Services 657-00 · Regional Radio Expense	14,894.66 0.00	30,000.00 1,500.00	-15,105.34 -1,500.00	49.6% 0.0%
660-00 · WCCCA System Fees	347,702.00	679,394.00	-331,692.00	51.2%
665-00 · Radio Maintenance Fees	43,950.65	40,000.00	3,950.65	109.9%
667-00 · Radio Replacement Project	0.00	0.00	0.00	0.0%
670-00 · Legal Services 675-00 · Financial Services	2,243.77 2,844.31	6,000.00 8,000.00	-3,756.23 -5,155.69	37.4% 35.6%
680-00 · Audit Fees	5,600.00	8,000.00	-2,400.00	70.0%
683-00 · Capital Reserve	0.00	100,000.00	-100,000.00	0.0%
685-00 · Miscellaneous Expenses 686-00 · Meeting Expenses 703-00 · Capital Outlay	2,179.49 206.24	3,500.00 2,500.00	-1,320.51 -2,293.76	62.3% 8.2%
703-01 · Buildings & Land Improvement 703-011 · Land Improvement 703-012 · Building 703-013 · Tower 703-014 · Generator	253,916.35 187,207.36 188,695.10 189,970.00			
Total 703-01 · Buildings & Land Improvement	819,788.81			
703-02 · Radio Backbone 703-021 · Simulcast / Master Site 703-022 · Subscriber Radios	3,241,197.67 3,306,191.40			
Total 703-02 · Radio Backbone	6,547,389.07			
703-03 · Equipment	, ,			
703-034 · Microwave	47.86			
Total 703-03 · Equipment	47.86			
703-06 · Warranty/Upgrade 703-026 · Prepaid LT Warranty/Upgrade	5,812,058.44			
Total 703-06 · Warranty/Upgrade	5,812,058.44			
703-00 · Capital Outlay - Other	0.00	39,200,000.00	-39,200,000.00	0.0%
Total 703-00 · Capital Outlay	13,179,284.18	39,200,000.00	-26,020,715.82	33.6%

4:39 PM 12/28/17 Accrual Basis

Clackamas 800 Radio Group Profit & Loss Budget vs. Actual

July through November 2017

	Jul - Nov 17	Budget	\$ Over Budget	% of Budget
795-00 · Debt Service 800-00 · Operating Contingency	93,688.22 0.00	94,000.00 50,000.00	-311.78 -50,000.00	99.7% 0.0%
Total Expense	13,784,361.23	40,577,096.00	-26,792,734.77	34.0%
Net Ordinary Income	2,142,327.19	674,059.00	1,468,268.19	317.8%
Net Income	2,142,327.19	674,059.00	1,468,268.19	317.8%



Accrual Basis

Clackamas 800 Radio Group Profit & Loss Detail

November 2017

Туре	Date	Num	Name	Memo	Class	Amount	Balance
Ordinary Income/Ex	pense						
	mbers Contracts						
Invoice	11/01/2017	17-142	City of Gresham	APX6000 700/800 MHZ Mod		920,323.80	920,323.80
Invoice	11/01/2017	17-142	City of Gresham	Multi unit charger		9,300.00	929,623.80
Invoice	11/01/2017	17-142	City of Gresham	Receive Ear Piece		7,633.44	937,257.24
Invoice	11/01/2017	17-142	City of Gresham	APX 6500 700/800 MHZ Mid		350,653.38	1,287,910.62
Invoice	11/01/2017	17-142	City of Gresham	Conversion Kit - Remote to D		985.80	1,288,896.42
Invoice	11/01/2017	17-142	City of Gresham	Discount per agreement		-11,708.94	1,277,187.48
Invoice	11/08/2017	17-144	Canby Police	Motorola APX 6500 Radio les	16 Canby	4,061.20	1,281,248.68
	0 · Members Contra	icts				1,281,248.68	1,281,248.68
431-00 · Int Deposit	erest Income 11/30/2017			Interest		26.12	26.12
Total 431-00	0 · Interest Income					26.12	26.12
450-00 · Into	ergovernmental-C 11/27/2017	lackamas C	o Clackamas County - Bond Related	September and October reim		12,637,016.22	12,637,016.22
Total 450-00	0 · Intergovernment	al-Clackama	s Co			12,637,016.22	12,637,016.22
Total Income						13,918,291.02	13,918,291.02
Gross Profit						13,918,291.02	13,918,291.02
Expense	. Dontol						
605-00 · Sit Bill	11/16/2017	D3424f	US Forest Service - Roseburg			9,569.26	9,569.26
	0 · Site Rental					9,569.26	9,569.26
621-00 · Off Bill	fice Supplies 11/29/2017	475544	APCO International Inc.			120.00	120.00
Total 621-00	0 · Office Supplies					120.00	120.00
625-00 · Ge	nerator Maintenar	ice					
Bill Bill	11/10/2017 11/17/2017	1367A 8349	Power Systems Plus Inc. Power Systems Plus Inc.			2,218.36 7,707.08	2,218.36 9,925.44
Total 625-00	0 · Generator Maint	enance				9,925.44	9,925.44
650-00 · Uti	ilities		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				
Check	11/01/2017	EFT	PGE			449.53	449.53
Check	11/03/2017	EFT	PGE			407.12	856.65
Check	11/09/2017	EFT	PGE			152.61	1,009.26
Check	11/13/2017	EFT	PGE			349.32	1,358.58
Check	11/14/2017	EFT	PGE			304.32	1,662.90
Check	11/14/2017	EFT	PGE			431.53	2,094.43
Check	11/14/2017	EFT	PGE			472.64	2,567.07
Check	11/20/2017	EFT	PGE			471.00	3,038.07
Check	11/30/2017	EFT	PGE			217.54	3,255.61
Check	11/30/2017	EFT	PGE			369.48	3,625.09
Total 650-00						3,625.09	3,625.09
Bill	nsultant Services 11/30/2017		Hartsock Project Mgmt.			2,503.32	2,503.32
Total 655-00	0 · Consultant Servi	ices				2,503.32	2,503.32
	dio Maintenance F						
Bill	11/01/2017	448063	Day Wireless Systems Inc.			3,795.00	3,795.00
Bill	11/22/2017	55030	TRAK Microwave			706.16	4,501.16
	0 · Radio Maintenar	nce Fees				4,501.16	4,501.16
675-00 · Fi n Bill	nancial Services	155000	Talbat Kanyala & Manyiak LLD			1.005.00	1.005.00
	11/06/2017	155290	Talbot, Korvola & Warwick, LLP	Convine Charge		1,025.00	1,025.00
Check	11/30/2017		Clackamas County Bank	Service Charge		20.00	1,045.00
	0 · Financial Service	es				1,045.00	1,045.00
686-00 · M e Bill	eting Expenses 11/01/2017	C800-2	Consistent Image Web Design			100.00	100.00
Total 686-00	0 · Meeting Expens	es				100.00	100.00

Accrual Basis

Clackamas 800 Radio Group Profit & Loss Detail

November 2017

	Туре	Date	Num	Name	Memo	Class	Amount	Balance
7	03-00 · Capital O	utlay						
	703-01 · Buildin			t				
D:II	703-011 · La			DOE		00 D	4 007 05	4 007 05
Bill Bill		01/2017 06/2017	M2313 9003623	PGE Don Cushing Associates, Inc		03 Damascus 11 Brightwood	1,337.05 4,818.00	1,337.05 6,155.05
Bill		06/2017	9003623	Don Cushing Associates, Inc		26	4,616.00 176.00	6,331.05
Bill		06/2017	9003628	Don Cushing Associates, Inc		17 Estacada D	150.00	6,481.05
Bill		06/2017	9003630	Don Cushing Associates, Inc		23 Goat Mountain	98.00	6,579.05
Bill		06/2017	9003622	Don Cushing Associates, Inc		14 Lenhart	98.00	6,677.05
Bill	11/0	06/2017	9003625	Don Cushing Associates, Inc		06 Mtn View	1,659.00	8,336.05
Bill		06/2017	9003624	Don Cushing Associates, Inc		05 Mount Scott	229.00	8,565.05
Bill		06/2017	9003626	Don Cushing Associates, Inc		07 Pete's	1,230.00	9,795.05
Bill		06/2017	9003627	Don Cushing Associates, Inc		08 Polivka	1,548.00	11,343.05
Bill		06/2017	9003629	Don Cushing Associates, Inc		19 Redland Road	1,486.00	12,829.05
Bill Bill		06/2017 07/2017	9003621 9003632	Don Cushing Associates, Inc Don Cushing Associates, Inc		10 View Acres 20 Angel Falls	1,157.00 4,923.00	13,986.05 18,909.05
Bill		29/2017	1050	Capital Design Services, LLC		02 Skyland	1,000.00	19,909.05
Bill		30/2017	7410	Securasite LLC		11 Brightwood	81.25	19,990.30
Bill		30/2017	7413	Securasite LLC		12 Crutcher Ben	300.00	20,290.30
Bill		30/2017	7406	Securasite LLC		03 Damascus	68.75	20,359.05
Bill		30/2017	7416	Securasite LLC		25 Lake Osweg	63.72	20,422.77
Bill	11/3	30/2017	7417	Securasite LLC		25 Lake Osweg	1,156.25	21,579.02
Bill		30/2017	7412	Securasite LLC		20 Angel Falls	1,700.00	23,279.02
Bill		30/2017	7411	Securasite LLC		20 Angel Falls	105.30	23,384.32
Bill		30/2017	7408	Securasite LLC		08 Polivka	342.75	23,727.07
Bill		30/2017	7419	Securacite LLC		40 All	196.02	23,923.09
Bill Bill		30/2017 30/2017	7418 7407	Securasite LLC Securasite LLC		40 All 09 Sandy	4,275.00 81.25	28,198.09 28,279.34
Bill		30/2017	7407	Securasite LLC		13 Tom Dick an	139.86	28,419.20
Bill		30/2017	7415	Securasite LLC		13 Tom Dick an	1,662.50	30,081.70
Bill		30/2017	7405	Securasite LLC		04 Wilsonville T	55.08	30,136.78
Bill		30/2017	7404	Securasite LLC		04 Wilsonville T	1,537.50	31,674.28
	Total 703-017	1 · Land Imp	rovement				31,674.28	31,674.28
	703-013 · To	wer						
Bill		27/2017	58094	Rohn Products LLC		10 View Acres	2,000.00	2,000.00
Bill	11/3	30/2017	597104	Day Wireless Systems Inc.		04 Wilsonville T	3,036.50	5,036.50
	Total 703-013	3 · Tower					5,036.50	5,036.50
	Total 703-01 · B	uildings & La	and Improven	nent			36,710.78	36,710.78
	703-03 · Equipn	nent						
	703-034 · Mid	crowave						
Bill	11/2	28/2017	8376	Pamplin Media Group		40 All	47.86	47.86
	Total 703-034	1 · Microway	/e				47.86	47.86
	Total 703-03 · E	quipment					47.86	47.86
Т	otal 703-00 · Capi	tal Outlay					36,758.64	36,758.64
Tota	I Expense						68,147.91	68,147.91
Net Ordina	ary Income						13,850,143.11	13,850,143.11
t Income							13,850,143.11	13,850,143.11

Clackamas 800 Radio Group Trial Balance

As of November 30, 2017

	Nov 3	0, 17
	Debit	Credit
115-00 · Cash/Checking Account	550,814.11	
11000 · Accounts Receivable	1,801,606.48	
120-00 · Member Fees Receivable	0.00	
12000 · Undeposited Funds	34,042.00	
150-00 · Prepaid Expenses	0.00	
160-00 · Buildings and Towers	10,956,645.15	
165-00 · Radio Backbone	2,520,898.80	
166-00 · Equipment	704,983.00	
167-00 · Work In Progress	0.00	
169-00 · CIP	1,735,311.52	
175-00 · Accumulated Depreciation		9,659,400.62
201-00 · Accounts Payable		64,915.82
201-02 · Other Accounts Payable	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	0.00	6,258,437.85
320-00 · Retained Earnings, Prior		179,219.58
405-00 · Members Contracts		1,343,018.68
410-00 · Partners Fees		946,343.00
420-00 · Partners Debt Service Zone Cont		93,689.00
430-00 · Subscriber Radio Payments		4,182.96
431-00 · Interest Income		35.46
435-00 · Lease Revenue		11,155.00
450-00 · Intergovernmental-Clackamas Co		13,528,264.32
605-00 · Site Rental	44,116.40	10,020,204.02
615-00 · HVAC Maintenance	6,442.17	
620-00 · Landscape Maintenance	4,710.00	
621-00 · Office Supplies	120.00	
625-00 · Generator Maintenance	9,925.44	
645-00 · Insurance	1,290.90	
650-00 · Utilities	25,162.80	
655-00 · Consultant Services	14,894.66	
660-00 · WCCCA System Fees	347,702.00	
665-00 · Radio Maintenance Fees	43,950.65	
667-00 · Radio Replacement Project	0.00	
670-00 · Legal Services	2,243.77	
675-00 · Financial Services	2,844.31	
680-00 · Audit Fees	5,600.00	
685-00 · Miscellaneous Expenses	2,179.49	
686-00 · Meeting Expenses	206.24	
703-00 · Capital Outlay	0.00	
703-00 · Capital Outlay:703-01 · Buildings & Land Improvement:703-011 · Land Improvement	253,916.35	
703-00 · Capital Outlay:703-01 · Buildings & Land Improvement:703-011 · Building	187,207.36	
703-00 · Capital Outlay:703-01 · Buildings & Land Improvement:703-012 · Building 703-00 · Capital Outlay:703-01 · Buildings & Land Improvement:703-013 · Tower	188,695.10	
703-00 · Capital Outlay:703-01 · Buildings & Land Improvement:703-013 · Tower 703-00 · Capital Outlay:703-01 · Buildings & Land Improvement:703-014 · Generator	189,970.00	
703-00 · Capital Outlay:703-01 · Buildings & Land Improvement:703-014 · Generator 703-00 · Capital Outlay:703-02 · Radio Backbone:703-021 · Simulcast / Master Site	3,241,197.67	
703-00 · Capital Outlay:703-02 · Radio Backbone:703-021 · Simulcast / Master Site	· ·	
703-00 · Capital Outlay:703-02 · Radio Backbone:703-022 · Subscriber Radios 703-00 · Capital Outlay:703-03 · Equipment:703-034 · Microwave	3,306,191.40	
703-00 · Capital Outlay:703-03 · Equipment:703-034 · Microwave 703-00 · Capital Outlay:703-06 · Warranty/Upgrade:703-026 · Prepaid LT Warranty/Upgrade	47.86 5.812.058.44	
1 , 10 , 10	5,812,058.44	
795-00 · Debt Service	93,688.22	
TOTAL	32,088,662.29	32,088,662.29
		<u> </u>

Clackamas 800 Radio Group Balance Sheet

As of November 30, 2017

	Nov 30, 17
ASSETS Current Assets Checking/Savings	
115-00 · Cash/Checking Account	550,814.11
Total Checking/Savings	550,814.11
Accounts Receivable 11000 · Accounts Receivable	1,801,606.48
Total Accounts Receivable	1,801,606.48
Other Current Assets 12000 · Undeposited Funds	34,042.00
Total Other Current Assets	34,042.00
Total Current Assets	2,386,462.59
Fixed Assets 160-00 · Buildings and Towers 165-00 · Radio Backbone 166-00 · Equipment 169-00 · CIP 175-00 · Accumulated Depreciation	10,956,645.15 2,520,898.80 704,983.00 1,735,311.52 -9,659,400.62
Total Fixed Assets	6,258,437.85
TOTAL ASSETS	8,644,900.44
LIABILITIES & EQUITY Liabilities Current Liabilities Accounts Payable	
201-00 · Accounts Payable	64,915.82
Total Accounts Payable	64,915.82
Total Current Liabilities	64,915.82
Total Liabilities	64,915.82
Equity 310-00 · Investment in Fixed Assets 320-00 · Retained Earnings, Prior Net Income	6,258,437.85 179,219.58 2,142,327.19
Total Equity	8,579,984.62
TOTAL LIABILITIES & EQUITY	8,644,900.44

Clackamas 800 Radio Group A/R Aging Detail

As of November 30, 2017

Туре	Date	Num	Name	Due Date	Aging	Open Balance
Current Total Current						
1 - 30 Invoice	11/01/2017	17-142	City of Gresham	11/01/2017	29	1,277,187.48
	11/01/2017	17-142	Oity of Oresham	11/01/2017	-	1,277,107.40
Total 1 - 30						1,277,187.48
31 - 60 Total 31 - 60						
61 - 90 Total 61 - 90						
> 90						
Invoice	12/27/2016	16-203	Clackamas River Water District	12/27/2016	338	6,720.00
Invoice	12/27/2016	16-211	West Linn	12/27/2016	338	32,625.00
Invoice	07/24/2017	17-103	Canby FD	07/24/2017	129	32,604.00
Invoice	07/24/2017	17-105	Clackamas County Sheriff	07/24/2017	129	330,352.00
Invoice	07/24/2017	17-111	Hoodland Fire District	07/24/2017	129	18,076.00
Invoice	07/24/2017	17-116	City of Milwaukie	07/24/2017	129	20,010.00
Invoice	07/24/2017	17-122	West Linn	07/24/2017	129	38,357.00
Invoice	07/24/2017	17-123	West Linn	07/24/2017	129	18,705.00
Invoice	07/24/2017 07/24/2017	17-129 17-132	Clackamas County - Transportation Eng	07/24/2017 07/24/2017	129	8,265.00
Invoice			Clackamas County - Juvenile Dept		129	1,740.00
Invoice Invoice	07/24/2017 07/24/2017	17-133 17-134	Happy Valley Clackamas River Water District	07/24/2017 07/24/2017	129 129	4,785.00 6,960.00
Invoice	07/24/2017	17-134	Sunrise Water	07/24/2017	129	5,220.00
Total > 90					-	524,419.00
TOTAL					-	1,801,606.48





Board of Directors Information Report

To: C800 Board of Directors
From: John Hartsock, Manager

Date: January 10, 2018

Re: Subscriber Radio Purchase

REQUEST: It is hereby requested that the C800 Board of Directors review the attached cost allocation of available Bond dollars for applying a stipend to offset the Member and Partner subscriber radio purchases for the new radio system.

ISSUE: The Radio System Replacement Project set aside \$5 Million to offset the cost of replacement of subscriber radios. The C800 Board has determined that a stipend would be available from bond dollars for payment of radio purchases by Partners / Members / Mutual Aid Agencies made between November 2015 and January 2018. (The reimbursement resolution was approved by Clackamas County on January 14th 2016 and allows payments made 60 days prior.)

As of January 14, 2016, there were 2,405 radios on the system: 2,175 for Partners and Members, 151 for Milwaukie Police / Colton Fire / Hoodland Fire which are anticipated to be members, 48 Mutual Aid radios, and 41 CCOM/LOCOM radios. As of January 10, 2018, there were 2,175 for Partners and Members, 199 for Milwaukie Police / Milwaukie Public Works (omitted from the 2016 count) Colton Fire / Hoodland Fire which are now members, 34 Mutual Aid radios and 196 CCOM/LOCOM cache radios.

The \$5 Million divided by the 2,405 radios on the system provides a reimbursement value of \$2,079 available for each radio.

The attached spread sheet shows the proposed distribution of the stipend.

Column #1 depicts the 2016 radio count per agency

Column #2 depicts the number of radios pre-purchased by agency

Column #3 depicts the number of radios ordered in the fall of 2017

Column #4 depicts the pre-purchase cost

Column #5 depicts the ordered cost

Column #6 depicts the number of radios available for the stipend i.e. 2016 count

Column #7 depicts the stipend available derived at by multiplying column #6 times \$2,079

Column #8 depicts any stipend dollars provided to an agency

Column #9 depicts the net cost for an agency deducting the stipend (#7) from the purchased cost (#5)

Column #10 depicts the remaining stipend available per agency

Column #11 depicts the cost of upgrades to existing radios being covered by the bond.

Radios are being procured through C800 as part of the radio project procurement options and the reimbursement will be applied to the actual cost per agency for replacement/upgrade of radios. The reimbursement will not be a direct payment to the agency with the exception of those agencies that ordered radios as part of the October 2015 procurement option.

If agencies with Mutual Aid radios want to participate in this replacement payment option, they will be required to enter into an agreement with C800 to pay the annual Partner/Member per radio fee for those radios replaced.

If an agency has obtained replacement radios within the time period outlined above via grants and there was a matching dollar amount for to the grant, the project will reimburse the match amount up to \$2,079.

RECOMMENDATION: It is hereby recommended that the C800 Board of Directors review the attached cost allocation of available Bond dollars for applying a stipend to offset the Member and Partner subscriber radio purchases for the new radio system and provide staff direction.

C800 Subscriber Radios

December 29, 2017

December 29, 2017	2016 Radio Count	Pre-Purchased	Radios Ordered	Pre Purchase Cost	Ordered Purchase Cost	Stipend Radios Avaliable	Stipend Available	Pre Paid Stipend	Billing	Remaining Stipend	C800 Upgrade to Existing
Clackamas County AMR	25		4	\$0.00	\$17,896.32	0	\$0		\$17,896	\$0	\$117,853.50
Canby Fire	66		4	\$0.00	\$32,595.68	66	(\$137,214)		\$0	\$104,618	\$125,473.66
Canby Police Department	59	5	51	\$23,154.23	\$208,543.40	59	(\$122,661)		\$85,882	\$0	\$1,079.52
Clackamas County Sheriff's Office	722	186	431	\$874,672.73	\$1,800,841.12	722	(\$1,501,038)		\$299,803	\$0	\$54,155.92
Clackamas Fire District # 1	311	219	15	\$894,553.06	\$85,378.80	311	(\$646,569)		(\$561,190)		\$247,199.94
Colton Fire			39	\$0.00	\$228,124.00	34	(\$70,686)		\$157,438	\$0	\$0.00
Estacada Fire	47		0	\$0.00	\$0.00	47	(\$97,713)		\$0	\$97,713	\$117,804.70
Gladstone Police Department	35		39	\$0.00	\$173,154.80	35	(\$72,765)		\$100,390	\$0	\$0.00
Gladstone Fire Department	43	18	16	\$88,311.92	\$72,826.00	43	(\$89,397)	(\$27,027)	\$90,513	\$0	\$18,186.22
Hoodland Fire District			52	\$0.00	\$306,280.26	27	(\$56,133)		\$250,147	\$0	\$0.00
Lake Oswego Police	102	37	77	\$178,501.22	\$343,863.52	102	(\$212,058)		\$131,806	\$0	\$3,958.24
Lake Oswego Fire Department	86		68	\$0.00	\$333,169.20	86	(\$178,794)		\$154,375	\$0	\$40,483.52
Lake Oswego Public Works	76		54	\$0.00	\$195,289.38	76	(\$158,004)		\$37,285	\$0	\$0.00
Milwaukie Police Department			70	\$0.00	\$289,894.80	92	(\$191,268)		\$98,627	\$0	\$5,730.50
Milwaukie Public Works			48	\$0.00	\$164,357.18	46	(\$95,634)		\$68,723	\$0	\$0.00
Molalla Police Department	33	9	25	\$47,161.06	\$105,640.60	33	(\$68,607)		\$37,034	\$0	\$1,799.20
Molalla Fire Department	70	3	9	\$12,055.70	\$46,491.12	70	(\$145,530)		\$0	\$86,983	\$23,108.54
Oregon City Police Department	97		87	\$0.00	\$363,388.48	97	(\$201,663)		\$161,725	\$0	\$13,155.74
Sandy Fire Department	90	8	50	\$47,566.32	\$227,163.04	90	(\$187,110)	(\$31,185)	\$8,868	\$0	\$15,255.50
Sandy Police Department	44	6	40	\$25,494.00	\$163,436.22	44	(\$91,476)		\$71,960	\$0	\$539.76
West Linn Police	90	37	14	\$182,372.19	\$45,920.42	90	(\$187,110)		\$41,183		\$0.00
West Linn Public Works	50		25	\$0.00	\$92,483.82	50	(\$103,950)		\$0	\$11,466	\$0.00
West Linn Fire/TVFR	13			\$0.00		13	(\$27,027)		\$0	\$27,027	\$0.00
Total	2059	528	1218	\$2,373,842.43	\$5,296,738.16	2233	(\$4,642,407)		\$1,252,466	\$327,808	\$785,784.46
Paring Water District	2		2	\$0.00	\$8,928.40	2	(¢4.1E0)	I	¢4.770	I I	1
Boring Water District Clackamas County Corrections	26	50	0	\$234,611.50		2 26	(\$4,158) (\$54,054)		\$4,770 \$189,554		
Clackamas County District Attorney	3	50	3	\$0.00	\$8,996.00 \$13,392.60	3	(\$6,237)		\$7,156		
Clackamas County Animal Services			5	\$0.00	\$22,321.00	0	\$0		\$22,321		
Clackamas County Transportation	19		25	\$0.00	\$141,635.00	19	(\$39,501)		\$102,134		
Clackamas County Code Enforcement	4		2	\$0.00	\$8,928.40	4	(\$8,316)		\$612		
Clackamas County Medical Examiner	6		4	\$0.00	\$26,845.52	6	(\$12,474)		\$14,372		
Clackamas County Juvenile	4		1	\$0.00	\$4,343.04	4	(\$8,316)		\$0	\$3,973	
CC Community College	11			\$0.00	¥ 7	11	(\$22,869)		\$0	\$22,869	
City of Damascus	2			\$0.00			\., , = = \		\$0	. ,	
Happy Valley	10		14	\$0.00	\$59,203.56	10	(\$20,790)		\$38,414		

C800 Subscriber Radios

December 29, 2017	2016 Radio Count	Pre-Purchased	Radios Ordered	Pre Purchase Cost	Ordered Purchase Cost	Stipend Radios Avaliable	Stipend Available	Pre Paid Stipend	Billing	Remaining Stipend	C800 Upgrade to Existing
Clackamas River Water	7		16	\$0.00	\$71,427.20	7	(\$14,553)		\$56,874		
Lake Oswego Lake Corporation	8		6	\$0.00	\$21,647.60	8	(\$16,632)		\$5,016		
Sunrise Water Authority	12		12	\$0.00	\$53,309.36	12	(\$24,948)		\$28,361		
Willamette Valley Trolley	2		1	\$0.00	\$4,464.20	2	(\$4,158)		\$306		
Total	116	50	91		\$445,441.88	114	(\$237,006)		\$208,436		
Paying Members	2175										
Aurora Fire	15			\$0.00	\$247,026.00	15	(\$31,185)		\$215,841		
CC Emergency Management	9		3	\$0.00	\$34,288.54	9	(\$18,711)		\$15,578		
Monitor Fire	10			\$0.00		10	(\$20,790)				
ODFW	0			\$0.00		0	\$0				
USFS	0			\$0.00		0	\$0				
Total	34		3	\$0.00	\$281,314.54	34	(\$70,686)				
	2209	•	•			2381					
CCOM- Cache	138		94		\$549,827.20						
LOCOM- Cache	58		23		\$134,131.40			·			
Total All	2405	578	1429		\$6,707,453.18	2,381	(\$4,950,099)		\$1,460,902		



To: C800 Board of Directors

From: John Hartsock, Manager

Date: January 10, 2018

Re: Board Elections

REQUEST: It is hereby requested that the C800 Board of Directors elect a Second Vice Chair.

ISSUE: In accordance with the C800 By-Laws, the C800 Board of Directors shall elect a Second Vice Chair at their January meeting.

The current First Vice Chair, Deputy Chief Ryan Hari shall become Chair, and the current Second Vice, Chief Steve Bartol shall become First Vice Chair.

POLICY IMPLICATIONS: None

FINANCIAL: None

LEGAL: None

RECOMMENDATION: It is hereby recommended that the C800 Board of Directors elect a

Second Vice Chair.





To: Board of Directors

From: John Hartsock, Manager

Date: January 10, 2018

Re: Appointment of Budget Officer – Budget Calendar

REQUEST: It is hereby requested that the C800 Board of Directors accept the FY 2018/2019 budget calendar and that the Chair appoint John Hartsock as the Budget Officer.

ISSUE: Establishment of the FY 2018/2019 budget calendar and appointment of the C800 Budget Officer.

FINANCIAL: None

LEGAL: None

RECOMMENDATION: It is hereby recommended that the C800 Board of Directors accept the FY 2018/2019 budget calendar and that the Chair appoint John Hartsock as the Budget Officer.





To: Board of Directors

From: John Hartsock, Manager

Date: January 10, 2018

Re: Acceptance of FY 2016/2017 Audit

REQUEST: It is hereby requested that the C800 Board of Directors accept the FY 2016/2017 audit as prepared by Jarrard, Seibert, Pollard & Co. LLC dated October 10, 2017

ISSUE: Jarrard, Seibert, Pollard & Co. LLC has prepared C800's annual audit report for the year ended June 30, 2017 dated October 10, 2017. The audit was electronically distributed to the Board on December 6, 2017.

FINANCIAL: None

LEGAL: None

RECOMMENDATION: It is hereby recommended that the C800 Board of Directors accept the FY 2016/2017 audit as prepared by Jarrard, Seibert, Pollard & Co. LLC dated October 10, 2017





To: C800 Board of Directors
From: John Hartsock, Manager

Date: January 10, 2018

Re: Award of Contract for Communication Shelters

REQUEST: It is hereby requested that the C800 Board of Directors approve issuing a construction purchase order, upon the completion of a seven-day notice of award process, in the amount of \$1,531,012 to Thermo Bond Buildings for the design, engineering, permitting, manufacturing and delivery of fourteen communication shelters.

CONTRACT DESCRIPTION: C800 and WCCCA staff prepared an Invitation to Bid (ITB) for Communication and Generator Shelters for the communications upgrade projects in Clackamas and Washington Counties. This is to replace the contract originally awarded to GFRC Shelters in March of 2017 which has been canceled due to failure of the company. The ITB was issued on December 15, 2017. The document was placed on the State of Oregon ORPIN procurement site, the C800 web site, and published in the Pamplin Business Journal. Seven firms requested the bid packages.

Bids were received on January 4, 2018 from five bidders all of which were responsible and responsive. The budget for the C800 portion of this scope of work was \$1,500,000. The low acceptable bid was \$1,531,012 and high bid was \$1,841,000. The low bidder was Thermo Bond, Elk Point South Dakota and is fully compliant with the bid process. A seven-day notice of award will be issued by January 12, 2017.

Bid Results:

Thermo Bond, South Dakota	\$1,531,012
Sabre Industries, Iowa	\$1,589,574
Magnum Shelters, Louisiana	\$1,646,274
Fiberbond, Louisiana	\$1687,945
Structure Cast, California	\$1,841,000

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

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

RECOMMENDATION: It is hereby requested that the C800 Board of Directors approve issuing a construction purchase order, upon the completion of a seven-day notice of award process, in the amount of \$1,531,012 to Thermo Bond Buildings for the design, engineering, permitting, manufacturing and delivery of fourteen communication shelters.