

# CLACKAMAS C800 RADIO GROUP

## BOARD OF DIRECTORS MEETING / BUDGET HEARING AGENDA

June 19, 2019 / 10:00AM

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

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

1. Call the C800 / Board of Directors meeting to Order - Chair Deputy Chief Ryan Hari

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 County 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	l. Estacada Fire District	r. Clackamas County Health

3. \*Approval of Minutes of: May 15, 2019 Board Meeting

4. Public Comment

5. Communications - Auditor Response to Secretary of State Audit Letter

6. Financial Report - May 2019 - John Hartsock

7. Committee Reports

- a. Executive Committee - Ryan Hari
- b. Technical Committee - John Hartsock
- c. Citizen Accountability - John Hartsock - Next Meeting September 17, 2019 6:30P Lake Oswego (Tentative)

8. Old Business: (\* Action Item)

- a. System Management: Ron Polluconi
- b. System Upgrade/Replacement
  - i. Project Status / Procurement - Bjorn Morfin / John Hartsock
  - ii. Fire Station Alerting / Paging - John Hartsock
  - iii. Portable/Mobile Radio Deployment - Todd Matsuo
  - iv. Radio Templates - Ron Polluconi / John Hartsock
  - v. Use of Bond Premium Funds - Jim Davis

9. New Business: (\* Action Item)

- a. Aurora Fire radio stipend for new radios - John Hartsock

b. \* Award a Construction Contract for the Hoodland Fire/Brightwood Site

c. **Next Board Meeting July 17, 2019 10:00A @ CCOM - EOC**

10. Open Agenda

11. Adjournment

# CLACKAMAS C800 RADIO GROUP BOARD OF DIRECTORS MEETING AGENDA

**Meeting Minutes of the May 15, 2019 Meeting**  
**Clackamas County Design Services Building, 150 Beaver Creek Rd., Rm. 119**  
**Oregon City, OR 97045**

**1. C800 Board Meeting Called to Order at 1000 by Chair Deputy Chief Ryan Hari**

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

City of Canby / Chief Bret Smith	Hoodland Fire District / Joe Schwab
City of Gladstone / Randy Hopperstad	Molalla Fire District / Chief Jim Davis (Proxy)
City of Lake Oswego / Scott Thran	Sandy Fire District / Chief Phil Schneider
City of Molalla / Chef Frank Schoenfeld / Chris Long	Clackamas County Sheriff / Capt James Rhodes
City of Oregon City / Chief Jim Band	
City of Sandy / Sean Lundry	CCOM / Cheryl Bledsoe
Canby Fire / Chief Jim Davis	WCCCA / Darin Miller
Clackamas Fire District #1/ Deputy Chief Ryan Hari /	C800 / John Hartsock / Bjorn Morfin
Div Chief Mike Corless / Rachel Trotman	Motorola / Todd Matsuo
Estacada Fire District / Richard Anderson	

**3. Approval of Minutes – March 20, 2019 Board Meeting**

- a. Randy Hopperstad made a motion to approve the minutes of the March 20<sup>th</sup> Board meeting as submitted and the motion was seconded by Frank Schoenfeld. A unanimous vote was cast in favor.

**4. Public Comment:** None

**5. Communications:**

- a. John shared that there is an audit letter from the Secretary of State's office in the packet. John has talked to our auditor and they are going to write us a response, answering the questions. John noted that most of the issues are clerical issues.

**6. Financial Report-March 2019**

- a. John noted that the March financial information is included. He received the April numbers last night. He will email those out. He reported that there is nothing unusual, tracking on budget.

**7. Open Budget Hearing**

- a. **Present the Budget:** John shared that there are no changes to the budget from the Budget Committee meeting. We are staying at the same cost per radio that we had last year, but all budgets have gone down slightly, as the zone controller debt has been paid off. Everything else is the same as last month. No questions from the board.
- b. **Ask for public comment:** Ryan Hari asked if there was any public comment. No comment. Ryan closed the public hearing.
- c. **\*Approval of Resolution 19-1 FY 2019-2020 Proposed Budget:** Jim Davis made a motion to approve Resolution 19-1 FY 2019/2020 Proposed Budget. The motion was seconded by Phil Schneider. A unanimous vote was cast in favor.

## 8. Committee Reports

- a. **Executive Committee;** Did not meet. No report.
- b. **Technical Committee-John Hartsock:** Last met on March 22<sup>nd</sup>. At that meeting, they went over the upgrades at CCOM, talked about: the new dispatch radio positions, site issues, and logging recorder presentations. Currently waiting on logging recorder proposals back from Motorola. Talked about the interfaces for both TriTech to Motorola for the radio system features as well as Fire Station Alerting. Also reviewed overall system replacement planning. Next meeting will be later in May.
- c. **Citizen Accountability-Ryan Hari:** Next meeting will be June 18, 2019, 6:30 pm at West Linn Police Department.

## 9. Old Business:

- a. **System Management:** John shared that Darin Miller from WACCA is at the meeting today. John shared that there are just normal problems with the system getting old and not doing what it is supposed to do. There was a hiccup with the microwave link being interrupted.
- b. **System Upgrade/Replacement:** Project Status/Procurement Bjorn reviewed project status:
  1. Barton. In construction proceeding on schedule. Tower foundations and site clearing complete. Should be complete mid to late June.
  2. Cooks Butte. Working through land use pre- submittal. Arborist developing City required plan.
  3. Kerr Parkway. Researching alternate candidates. Following up this week.
  4. Damascus/Canby/Sandy. Construction, antenna and radio installation complete.
  5. Wilsonville. Will discuss this site later in the meeting, asking for approval for eminent domain.
  6. Crutcher Bench. In construction. The power trench is complete. Foundations underway and moving along nicely.
  7. Highland Butte. Construction to start in July. Waiting on paperwork from BLM.
  8. Four Forest Service Sites. Have meeting on May 23<sup>rd</sup>. Expecting approval to move forward on all four.
  9. Hoodland Fire. Land use approved. Building permits have been submitted.
  10. Brightwood. Permits have been issued. Ground crews will start work probably next week on shelter upgrades.
  11. Existing sites. Lenhart, Mt. Scott, Pete's and Polivka are the tower swap sites. Expecting permits to be issued in the next weeks. Construction should start in 2-3 weeks.
- c. **Fire Station Alerting/Paging:**
  1. John shared that he has the US Digital contract for Chief Hari to sign today and we are moving forward with the fire station alerting project.
  2. John noted that he has spoken with Mike Corless about using Nick Fisher at CFD #1 to help with the coordination of this system. All fire agencies will be hearing from Nick about this coordination (ex: right spots in the station, where you want things delivered to, data availability).
  3. John shared that the goal is to have this system done by the end of this calendar year.
  4. John said as the systems are installed they can be brought up using the 900 pager link. He added that we don't want to turn on the overall until they have them all up. We won't have an automated voice until the full system is operational.

5. Molalla has installed in three stations and CFD#1 has installed in two.
6. Phil Schneider asked questions about the bids they received, and if we are set on the \$30,000 stipend for the main Station and if it would be different for a sub-Station or staffed versus un-staffed stations. Mike Corless shared that Nick will be setting up appointments with the Stations to go through the designs. Jim Davis asked if Nick could also evaluate if he thinks the \$30,000 is appropriate. Jim also asked groups to remember to indicate on the survey, on excess bond money, what their priorities are for their Agency.

**d. Portable/Mobile Radio Deployment:**

1. John introduced Todd Matsuo, Project Manager for the radio system from Motorola, to talk about radio deployment.
2. Todd shared that they are largely through deploying the group's new subscribers. There are still some smaller Agencies they have to program and deploy.
3. Todd said that the big focus right now are all the existing APX's that they have to update. He explained the first step for this process is that they need to come out and read all the existing radios. Once they read the radios, they have to do an analysis and determine the "flash" upgrades needed to bring those up to the equivalent level of the new radios. Once they know all that, they get that all set up in their radio management system.
4. After that, Todd shared that they will come back out and start updating the fleet. The schedule for this will be on an Agency to Agency basis. He said to expect a radio mobile upgrade to take up to 45 minutes. They will work with the Agencies to figure out how many they can get out of service to update. Todd explained that it is going to be a bit of a process.
5. Right now, they are in the process of reading the radios. Some Agencies are ready for upgrades, West Linn Police and Sandy Police.
6. He shared he provides John with a weekly or bi-weekly update on where they are at. The Motorola project manager that will help with this is Joe Harris.
7. If there are any questions, reach out to Todd and he or Joe will get back to you. Give them a call with any questions about the new radios.
8. Jim Davis asked if they know what schedule is on when they will be out to our Agencies. Todd said they don't have a schedule right now.
9. Todd said it will take 2-3 weeks to get "flash" upgrades in.
10. Jim Davis brought up the educational piece for training the firefighters on the new template so that we don't have the same dilemma that other Agencies have had on how to run the new radios. John said they are working on having closer coordination, so this doesn't happen.
11. Richard Anderson asked about doing antenna updates at the same time of other updates. He asked if this is happening at the same time, or if that is something that is still pending. Todd said he will have to look into that.

**e. Radio Templates**

1. John shared that Detective Burlew with the Sheriff's department had some concerns about what templates were on what radios. James Rhodes shared some information from Detective Burlew; and provided a handout.
2. Detective Burlew's concern is that we are giving law enforcement talkgroups to non LE entities. Examples for these entities are: PGE, NW Natural Gas, Public Works, etc.
3. James is wondering about coming up with a template for those we want to share LE channels with and those we don't. He said there would be some exceptions to the rule.

4. John brought up transportation, Public Works Agencies. He said that currently, they have had dispatch 1, 2 and 3. He asked how they would contact dispatch if they didn't have one of those three.
5. Scott Thran brought up lake patrol.
6. Detective Burlew will be working on a presentation, proposed templates, etc. that James will ask him to bring to the next meeting.

**f. Media Radio Use**

1. C800 needs to develop a policy on how to accommodate News Agencies request for audio feeds from encrypted talkgroups. The recommendation is to provide a delayed audio stream via the internet. This would mean that qualified news agencies/outlets would be able to get streamed audio, five or ten minutes later.
  2. Darin shared that for Washington County Sheriff, the media goes to an internet site or an app and get the information from the dispatch talkgroup on a 15-minute delay. Once you get beyond that, example: Detectives, etc. they are encrypted and not available for streaming.
  3. Darin also shared that it's a process and is going to slow down programming a bit. He shared that we do want to get it done on the front end.
  4. Richard shared that if we, Fire or Police, need to talk with private entities, we can switch channels to talk with them rather than giving the other entities encrypted radios.
  5. John shared that a unique news piece to consider is the news helicopters. Can the helicopter have a radio they can talk on or just listen?
- g. **Use of Bond Premium Funds:** Jim Davis shared that the survey has been sent out to the Law group. The goal would be to have the survey results back to present to this group by August or September. The results will be sent out prior to the meeting for review. Leanna will send out the survey again for the Fire group.

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

- a. **Approve a Contract Change Order for Day Wireless-48V System:** Jim Band made a motion to authorize the C800 Board of Directors to approve issuing a contract change order in the amount of \$84,238.43 for additional 48V batteries at the Goat Mountain site, battery system for the Hoodland Fire site and AC wiring at all the sites. Mike Corless seconded the motion. A unanimous vote was cast in favor.
- b. **Award a Construction Contract for the Memaloose/ Whalehead/ Tom Dick & Harry/ Oak Grove Butte Sites**
  1. John shared that six firms provided bids and that all bidders have worked on our other projects. The low bidder was T3 Construction out of Roseburg, OR. He noted they have been very impressed with their efforts. T3 has a long history with doing this type of work with the Forest Service. They are also a logging company.
  2. Jim Davis made a motion to authorize the C800 Board of Directors to enter into a contract with T3 Construction Roseburg, OR in the total amount of \$1,166,000 to construct communication sites at the Memaloose/ Whalehead/ Oak Grove/ Tom Dick & Harry sites. Further to establish an allowance of \$3,930,000 for utility extensions and road improvements. Randy Hopperstad seconded the motion.
  3. Jim Band asked about the allowance amount. John explained that in total, we have ten miles of power extension that we need to do from the PGE meet point at the bottom of the hill, up the roads. They will need to do some road maintenance as well. They will need to gravel and cut the

roads a bit wider. For these additional projects, they will submit a price and need to justify the work prior to doing it. John shared that we will be monitoring this as we go along. Ryan and John noted that every bidder would have had the same allowance amount given to them.

4. Discussion about how we will know if the work done with the allowance is a fair bid. Jim requested that the group get updates on how this project is going as it goes along.
5. A unanimous vote was cast in favor.

**c. \* Authorize A Site Use Agreement with PGE**

1. John explained that PGE wants to place three radios at five of our sites. If they decide they want to add more, they have to come back to the table. PGE preferred to pay in one payment, so they can capitalize it rather than expense it out. They went through the rate schedule over fifteen years to come up with the amount they would pay in a one-time payment.
2. Jim Band made a motion to authorize the C800 Board of Directors to enter into an agreement with PGE to allow their use of the Timberline/Brightwood/Memaloose/Oak Grove Butte/Mt. Scott/CCOM for their radio system for fifteen years for a one-time compensation of \$2,675,000. James Rhodes seconded the motion. A unanimous vote was cast in favor.

**d. \* Authorize Eminent Domain Proceedings form Wilsonville Site**

1. John shared that Cynthia Fraser with Garvey Schubert Barer, P.C., the attorney C800 retained, has prepared a draft solution for obtaining the access easement to the Wilsonville site. That is to do an eminent domain proceeding. First step is to have an appraiser develop a value of the easement. This is an easement that already exists for the City of Wilsonville's access to their site. If the land was ever developed, there would be public roads that would provide access.
2. John shared that so far, they have spent three years on this site, making many contacts and looked at numerous sites. He noted they are still continuing to look at alternatives, but this is the best site they have found for coverage out there.
3. Ryan asked if John had a dollar amount of how much we have spent so far. Ryan said that about a year ago, we had spent about \$50,000 of C800 money on this site. Ryan mentioned again that the easement already exists and is already being used by the City of Wilsonville.
4. John shared that we have land use approval. He added that Roger May, the property owner, did not apposed the land use at the Citizen's meeting.
5. John also shared that originally, he thought with eminent domain, we had to take the whole property, but he said that we can do just the easement.
6. Jim Davis asked how much longer it will take, if the group is in favor of this eminent domain option. John shared that it depends on how the property owner takes it. If the owner signs, it will probably be less than a month. John noted it is hard to predict. He will have a better prediction once Cynthia has a chance to talk with the owner.
7. Randy Hopperstad made a motion to authorize the C800 Board of Directors to approve Resolution 02-19, authorizing the use of eminent domain to acquire access to the Wilsonville site access easement. Mike Corless seconded the motion. A unanimous vote was cast in favor.

**a. Next Board Meeting**

- i. Next meeting June 19, 2019, 10:00 AM at CCOM/EOC

**11. Open Agenda**

None.

**12. Meeting adjourned at 10:59 AM.**





## John Hartsock

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**From:** Russ Ries <rries@jspcpas.com>  
**Sent:** Wednesday, May 22, 2019 2:44 PM  
**To:** John Hartsock  
**Subject:** RE: Secretary of State Audit Review

John,

I've gone through the Secretary of State's letter and here are my responses:

1. State is confused over the use of the term "deferred" maintenance charges as there are now Deferred Inflow/Outflow categories on the statement of net position (which this item is not). We have reported this correctly, however, to make it clear to the State, we will rename that line "Prepaid Item" and disclose in the footnotes going forward.
2. C800 has no liabilities in excess of 1 year, so again, the State is incorrect.
3. To clarify the nature of C800's receivables, I suggest changing the description from "Receivables" to "Due from other governments" going forward.
4. State is confused over presentation of leases versus long-term debt in the footnotes. Lease disclosure does not require principal and interest separation, long-term debts do. Current presentation is correct.
5. State is correct. Since budget requirement is not mandatory for C800, the presentation of budget versus actual comparison is presented under "Supplementary Information" and not "Required Supplementary Information". We will correct this nomenclature going forward.
6. Is required in OAR's but I've never seen it in practice. Will expand address description at bottom of page 1 to read..."Address of Officers and Board Members".

***Russell T. Ries, CPA***

Jarrard, Seibert, Pollard & Company, LLC

Certified Public Accountants

phone: (503)723-7600

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**From:** John Hartsock [mailto:[john.hartsock@frontier.com](mailto:john.hartsock@frontier.com)]  
**Sent:** Sunday, May 05, 2019 11:07 AM  
**To:** Russ Ries  
**Subject:** RE: Secretary of State Audit Review

Russ,

Thanks

John Hartsock, Manager  
Clackamas 800 Radio Group  
11300 Se Fuller Rd  
Milwaukie, OR 97222  
(503) 780-4806

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**From:** Russ Ries <rries@jspcpas.com>  
**Sent:** Sunday, May 5, 2019 10:17 AM  
**To:** John Hartsock <john.hartsock@frontier.com>  
**Subject:** Re: Secretary of State Audit Review

John,

We received a copy too and I'm in the process of reviewing their comments. I do know the 1st item noted was reported correctly by C800.

The other items (that are purely immaterial items) are still under review and I'll get back to you shortly on those.

Russell T. Ries CPA  
Sent from my iPhone

On May 5, 2019, at 8:59 AM, John Hartsock <[john.hartsock@frontier.com](mailto:john.hartsock@frontier.com)> wrote:

Russ,

I received the attached review letter from the Secretary of State on the FY 17/18 audit.

Comments?

thanks

John Hartsock, Manager  
Clackamas 800 Radio Group  
11300 Se Fuller Rd  
Milwaukie, OR 97222  
(503) 780-4806

<Sec of State Review.pdf>

10:01 AM

05/07/19

Accrual Basis

# Clackamas 800 Radio Group

## Profit & Loss Budget vs. Actual

### July 2018 through April 2019

	Jul '18 - Apr 19	Budget	\$ Over Budget	% of Budget
<b>Ordinary Income/Expense</b>				
<b>Income</b>				
401-00 · Beginning Fund Balance	0.00	531,933.00	-531,933.00	0.0%
405-00 · Members Contracts	60,200.00	61,060.00	-860.00	98.6%
410-00 · Partners Fees	988,247.50	953,418.00	34,829.50	103.7%
420-00 · Partners Debt Service Zone Cont	93,689.00	93,689.00	0.00	100.0%
421-00 · Partner Debt Service Microwave	0.00	0.00	0.00	0.0%
430-00 · Subscriber Radio Payments	0.00	200,000.00	-200,000.00	0.0%
431-00 · Interest Income	153.93	2,000.00	-1,846.07	7.7%
435-00 · Lease Revenue	18,373.34	46,846.00	-28,472.66	39.2%
440-00 · Miscellaneous Income	0.00	1,000.00	-1,000.00	0.0%
450-00 · Intergovernmental-Clackamas Co	15,912,142.11	20,000,000.00	-4,087,857.89	79.6%
455-00 · Bond Interest Income	0.00	400,000.00	-400,000.00	0.0%
<b>Total Income</b>	<b>17,072,805.88</b>	<b>22,289,946.00</b>	<b>-5,217,140.12</b>	<b>76.6%</b>
<b>Gross Profit</b>	<b>17,072,805.88</b>	<b>22,289,946.00</b>	<b>-5,217,140.12</b>	<b>76.6%</b>
<b>Expense</b>				
605-00 · Site Rental	163,883.32	159,597.00	4,286.32	102.7%
610-00 · Fuel/Generators	10,464.61	15,000.00	-4,535.39	69.8%
615-00 · HVAC Maintenance	3,815.92	7,000.00	-3,184.08	54.5%
620-00 · Landscape Maintenance	8,460.00	7,500.00	960.00	112.8%
621-00 · Office Supplies	0.00	3,000.00	-3,000.00	0.0%
625-00 · Generator Maintenance	1,641.67	9,000.00	-7,358.33	18.2%
630-00 · UPS Maintenance	1,560.00	2,000.00	-440.00	78.0%
635-00 · Battery Maintenance	295.00	6,500.00	-6,205.00	4.5%
645-00 · Insurance	30,569.19	28,860.00	1,709.19	105.9%
650-00 · Utilities	38,757.45	157,500.00	-118,742.55	24.6%
655-00 · Consultant Services	38,564.44	38,400.00	164.44	100.4%
657-00 · Regional Radio Expense	0.00	1,500.00	-1,500.00	0.0%
660-00 · WCCCA System Fees	746,600.00	735,332.00	11,268.00	101.5%
665-00 · Radio Maintenance Fees	69,826.41	60,000.00	9,826.41	116.4%
670-00 · Legal Services	3,740.00	8,000.00	-4,260.00	46.8%
675-00 · Financial Services	6,480.74	8,500.00	-2,019.26	76.2%
680-00 · Audit Fees	6,285.00	7,500.00	-1,215.00	83.8%
683-00 · Capital Reserve	0.00	100,000.00	-100,000.00	0.0%
685-00 · Miscellaneous Expenses	825.12	8,052.00	-7,226.88	10.2%
686-00 · Meeting Expenses	0.00	2,000.00	-2,000.00	0.0%
703-00 · Capital Outlay				
703-01 · Buildings & Land Improvement				
703-011 · Land Improvement	2,335,207.69			
703-012 · Building	12,367,809.87			
703-013 · Tower	488,024.30			
703-014 · Generator	139,835.75			
<b>Total 703-01 · Buildings &amp; Land Improvement</b>	<b>15,330,877.61</b>			
703-02 · Radio Backbone				
703-021 · Simulcast / Master Site	7,541.50			
703-022 · Subscriber Radios	70,922.26			
703-024 · Paging	16,928.31			
<b>Total 703-02 · Radio Backbone</b>	<b>95,392.07</b>			
703-03 · Equipment				
703-034 · Microwave	1,870,026.90			
<b>Total 703-03 · Equipment</b>	<b>1,870,026.90</b>			
703-00 · Capital Outlay - Other	445,302.16	20,600,000.00	-20,154,697.84	2.2%
<b>Total 703-00 · Capital Outlay</b>	<b>17,741,598.74</b>	<b>20,600,000.00</b>	<b>-2,858,401.26</b>	<b>86.1%</b>
795-00 · Debt Service	93,688.00	94,000.00	-312.00	99.7%
800-00 · Operating Contingency	0.00	50,000.00	-50,000.00	0.0%
999-00 · Unappropriated End Fund Bal	0.00	180,704.00	-180,704.00	0.0%
<b>Total Expense</b>	<b>18,967,055.61</b>	<b>22,289,945.00</b>	<b>-3,322,889.39</b>	<b>85.1%</b>
<b>Net Ordinary Income</b>	<b>-1,894,249.73</b>	<b>1.00</b>	<b>-1,894,250.73</b>	<b>-189,424,973.0%</b>
<b>Net Income</b>	<b>-1,894,249.73</b>	<b>1.00</b>	<b>-1,894,250.73</b>	<b>-189,424,973.0%</b>

10:01 AM

05/07/19

Accrual Basis

# Clackamas 800 Radio Group Profit & Loss Detail

April 2019

Type	Date	Num	Name	Memo	Class	Amount	Balance
<b>Ordinary Income/Expense</b>							
<b>Income</b>							
<b>431-00 · Interest Income</b>							
Deposit	04/30/2019		Clackamas County Bank	Interest		28.31	28.31
Total 431-00 · Interest Income						28.31	28.31
<b>435-00 · Lease Revenue</b>							
Deposit	04/24/2019		FBI	Deposit		130.00	130.00
Deposit	04/24/2019		FBI	Deposit		130.00	260.00
Total 435-00 · Lease Revenue						260.00	260.00
Total Income						288.31	288.31
Gross Profit						288.31	288.31
<b>Expense</b>							
<b>605-00 · Site Rental</b>							
Bill	04/23/2019		McKenzie Family Land Holdings, LLC			8,100.00	8,100.00
Total 605-00 · Site Rental						8,100.00	8,100.00
<b>615-00 · HVAC Maintenance</b>							
Bill	04/01/2019	139074	Hunter-Davissan, Inc.			739.00	739.00
Total 615-00 · HVAC Maintenance						739.00	739.00
<b>625-00 · Generator Maintenance</b>							
Bill	04/11/2019	1975A	Power Systems Plus Inc.			779.17	779.17
Total 625-00 · Generator Maintenance						779.17	779.17
<b>650-00 · Utilities</b>							
Check	04/02/2019	EFT	PGE			241.84	241.84
Check	04/02/2019	EFT	PGE			295.05	536.89
Check	04/04/2019	EFT	PGE			135.72	672.61
Check	04/05/2019	EFT	PGE			355.68	1,028.29
Check	04/09/2019	EFT	PGE			329.03	1,357.32
Check	04/11/2019	EFT	PGE			142.02	1,499.34
Check	04/16/2019	EFT	PGE			270.68	1,770.02
Check	04/17/2019	EFT	PGE			266.29	2,036.31
Check	04/17/2019	EFT	PGE			462.62	2,498.93
Check	04/17/2019	EFT	PGE			539.52	3,038.45
Check	04/23/2019	EFT	PGE			381.28	3,419.73
Check	04/26/2019	EFT	Canby Utility			50.02	3,469.75
Total 650-00 · Utilities						3,469.75	3,469.75
<b>655-00 · Consultant Services</b>							
Bill	04/30/2019		Hartsock Project Mgmt.			4,790.39	4,790.39
Total 655-00 · Consultant Services						4,790.39	4,790.39
<b>665-00 · Radio Maintenance Fees</b>							
Bill	04/01/2019	INV00...	WCCCA			48.00	48.00
Total 665-00 · Radio Maintenance Fees						48.00	48.00
<b>670-00 · Legal Services</b>							
Bill	04/30/2019	12400	Eakins, Eileen			176.00	176.00
Total 670-00 · Legal Services						176.00	176.00
<b>675-00 · Financial Services</b>							
Bill	04/03/2019	157819	Talbot, Korvola & Warwick, LLP			515.00	515.00
Check	04/29/2019		Clackamas County Bank	Service Charge		20.00	535.00
Total 675-00 · Financial Services						535.00	535.00
<b>703-00 · Capital Outlay</b>							
<b>703-01 · Buildings &amp; Land Improvement</b>							
<b>703-011 · Land Improvement</b>							
Bill	04/04/2019	16799	Black Mountain Consulting		14 Lenhart	5,950.00	5,950.00
Bill	04/08/2019	1633	Capital Design Services, LLC		07 Pete's	450.00	6,400.00
Bill	04/08/2019	1634	Capital Design Services, LLC		07 Pete's	1,800.00	8,200.00
Bill	04/09/2019	16800	Black Mountain Consulting		08 Polivka	5,950.00	14,150.00
Bill	04/10/2019	9004175	Don Cushing Associates, Inc		20 Angel Falls/...	263.00	14,413.00
Bill	04/10/2019	9004176	Don Cushing Associates, Inc		21 Oak Grove B...	663.00	15,076.00
Bill	04/10/2019	9004174	Don Cushing Associates, Inc		13 Tom Dick an...	725.00	15,801.00
Bill	04/10/2019	9004177	Don Cushing Associates, Inc		22 Whale Head	1,013.00	16,814.00
Bill	04/11/2019	16802	Black Mountain Consulting		20 Angel Falls/...	371.59	17,185.59
Bill	04/11/2019	16802	Black Mountain Consulting		21 Oak Grove B...	371.59	17,557.18
Bill	04/11/2019	16802	Black Mountain Consulting		13 Tom Dick an...	371.59	17,928.77
Bill	04/11/2019	16802	Black Mountain Consulting		22 Whale Head	371.59	18,300.36
Bill	04/11/2019	16804	Black Mountain Consulting		20 Angel Falls/...	1,057.28	19,357.64
Bill	04/11/2019	16804	Black Mountain Consulting		21 Oak Grove B...	1,057.28	20,414.92
Bill	04/11/2019	16804	Black Mountain Consulting		13 Tom Dick an...	1,057.28	21,472.20
Bill	04/11/2019	16804	Black Mountain Consulting		22 Whale Head	1,057.28	22,529.48
Bill	04/11/2019	16805	Black Mountain Consulting		20 Angel Falls/...	1,126.90	23,656.38
Bill	04/11/2019	16805	Black Mountain Consulting		21 Oak Grove B...	1,126.90	24,783.28
Bill	04/11/2019	16805	Black Mountain Consulting		13 Tom Dick an...	1,126.90	25,910.18
Bill	04/11/2019	16805	Black Mountain Consulting		22 Whale Head	1,126.89	27,037.07
Bill	04/11/2019	1654	Capital Design Services, LLC		27 Hoodland Fire	1,800.00	28,837.07
Bill	04/12/2019	5277	T3 Construction LLC		01 Carver/Barton	285,000.00	313,837.07
Bill	04/23/2019	18006-2	McKay Consulting		01 Carver/Barton	745.00	314,582.07
Bill	04/30/2019	1689	Capital Design Services, LLC		17 Estacada_D...	1,200.00	315,782.07

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Accrual Basis

# Clackamas 800 Radio Group Profit & Loss Detail

April 2019

Type	Date	Num	Name	Memo	Class	Amount	Balance
Bill	04/30/2019	1690	Capital Design Services, LLC		27 Hoodland Fire	950.00	316,732.07
Bill	04/30/2019	1691	Capital Design Services, LLC		05 Mount Scott	1,650.00	318,382.07
Bill	04/30/2019	1692	Capital Design Services, LLC		13 Tom Dick an...	1,500.00	319,882.07
Bill	04/30/2019	613461	Day Wireless Systems Inc.		40 All	1,554.00	321,436.07
Bill	04/30/2019	18046	LDC, Inc.		02 Skyland/Coo...	6,350.00	327,786.07
Bill	04/30/2019	8544	Securasite LLC		01 Carver/Barton	7,373.46	335,159.53
Bill	04/30/2019	8539	Securasite LLC		01 Carver/Barton	1,187.50	336,347.03
Bill	04/30/2019	8545	Securasite LLC		11 Brightwood	67.92	336,414.95
Bill	04/30/2019	8533	Securasite LLC		11 Brightwood	712.50	337,127.45
Bill	04/30/2019	8546	Securasite LLC		26 CCOM	16.02	337,143.47
Bill	04/30/2019	8538	Securasite LLC		26 CCOM	412.50	337,555.97
Bill	04/30/2019	8524	Securasite LLC		40 All	1,973.60	339,529.57
Bill	04/30/2019	8525	Securasite LLC		40 All	9,350.00	348,879.57
Bill	04/30/2019	8526	Securasite LLC		02 Skyland/Coo...	218.75	349,098.32
Bill	04/30/2019	8536	Securasite LLC		17 Estacada_D...	307.37	349,405.69
Bill	04/30/2019	8535	Securasite LLC		17 Estacada_D...	175.00	349,580.69
Bill	04/30/2019	8547	Securasite LLC		23 Goat Mountain	52.06	349,632.75
Bill	04/30/2019	8537	Securasite LLC		23 Goat Mountain	1,125.00	350,757.75
Bill	04/30/2019	8517	Securasite LLC		18 Highland Butte	162.50	350,920.25
Bill	04/30/2019	8543	Securasite LLC		27 Hoodland Fire	1,723.01	352,643.26
Bill	04/30/2019	8542	Securasite LLC		27 Hoodland Fire	275.00	352,918.26
Bill	04/30/2019	8541	Securasite LLC		25 LO High Schl...	26.68	352,944.94
Bill	04/30/2019	8540	Securasite LLC		25 LO High Schl...	562.50	353,507.44
Bill	04/30/2019	8548	Securasite LLC		14 Lenhart	461.20	353,968.64
Bill	04/30/2019	8534	Securasite LLC		14 Lenhart	2,143.75	356,112.39
Bill	04/30/2019	8518	Securasite LLC		20 Angel Falls/...	93.75	356,206.14
Bill	04/30/2019	8549	Securasite LLC		05 Mount Scott	23.40	356,229.54
Bill	04/30/2019	8529	Securasite LLC		05 Mount Scott	137.50	356,367.04
Bill	04/30/2019	8551	Securasite LLC		21 Oak Grove B...	30.42	356,397.46
Bill	04/30/2019	8519	Securasite LLC		21 Oak Grove B...	537.50	356,934.96
Bill	04/30/2019	8550	Securasite LLC		07 Pete's	453.59	357,388.55
Bill	04/30/2019	8530	Securasite LLC		07 Pete's	768.75	358,157.30
Bill	04/30/2019	8522	Securasite LLC		40 All	217.38	358,374.68
Bill	04/30/2019	8523	Securasite LLC		40 All	3,462.50	361,837.18
Bill	04/30/2019	8552	Securasite LLC		08 Polivka	155.88	361,993.06
Bill	04/30/2019	8531	Securasite LLC		08 Polivka	906.25	362,899.31
Bill	04/30/2019	8532	Securasite LLC		10 View Acres	487.50	363,386.81
Bill	04/30/2019	8553	Securasite LLC		22 Whale Head	34.74	363,421.55
Bill	04/30/2019	8520	Securasite LLC		22 Whale Head	250.00	363,671.55
Bill	04/30/2019	8527	Securasite LLC		04 Wilsonville T...	475.00	364,146.55
Bill	04/30/2019	8528	Securasite LLC		04 Wilsonville T...	19.14	364,165.69
Bill	04/30/2019	5280	T3 Construction LLC		12 Crutcher Ben...	97,500.00	461,665.69
Bill	04/30/2019	18001...	Todd Hess Building Company		26 CCOM	10,264.75	471,930.44
Bill	04/30/2019	5279	T3 Construction LLC		01 Carver/Barton	64,000.00	535,930.44
Total 703-011 · Land Improvement						535,930.44	535,930.44
<b>703-012 · Building</b>							
Bill	04/01/2019	37986	Miller Consulting Engineers		17 Estacada_D...	4,050.00	4,050.00
Bill	04/01/2019	37989	Miller Consulting Engineers		24 Sawtell Fire ...	500.00	4,550.00
Bill	04/01/2019	37987	Miller Consulting Engineers		14 Lenhart	500.00	5,050.00
Bill	04/26/2019	33663	ACS Testing, Inc.		10 View Acres	269.54	5,319.54
Bill	04/26/2019	33664	ACS Testing, Inc.		07 Pete's	226.80	5,546.34
Bill	04/30/2019	613449	Day Wireless Systems Inc.			135,912.34	141,458.68
Total 703-012 · Building						141,458.68	141,458.68
<b>703-013 · Tower</b>							
Bill	04/09/2019	70055	Rohn Products LLC		10 View Acres	1,000.00	1,000.00
Total 703-013 · Tower						1,000.00	1,000.00
<b>703-014 · Generator</b>							
Bill	04/06/2019	SI-490...	Lile International Companies		40 All	1,559.00	1,559.00
Bill	04/30/2019	8554	Securasite LLC		13 Tom Dick an...	525.00	2,084.00
Bill	04/30/2019	8521	Securasite LLC		13 Tom Dick an...	393.75	2,477.75
Total 703-014 · Generator						2,477.75	2,477.75
Total 703-01 · Buildings & Land Improvement						680,866.87	680,866.87
<b>703-02 · Radio Backbone</b>							
<b>703-024 · Paging</b>							
Bill	04/15/2019		Sonik Messaging Systems Inc.		40 All	3,180.00	3,180.00
Bill	04/23/2019		Sonik Messaging Systems Inc.		40 All	6,225.00	9,405.00
Total 703-024 · Paging						9,405.00	9,405.00
Total 703-02 · Radio Backbone						9,405.00	9,405.00

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Accrual Basis

## Clackamas 800 Radio Group

## Profit &amp; Loss Detail

April 2019

Type	Date	Num	Name	Memo	Class	Amount	Balance
<b>703-00 - Capital Outlay - Other</b>							
Bill	04/30/2019	BOLI			20 Angel Falls/...	291.50	291.50
Bill	04/30/2019	BOLI			21 Oak Grove B...	291.50	583.00
Bill	04/30/2019	BOLI			22 Whale Head	291.50	874.50
Bill	04/30/2019	BOLI			13 Tom Dick an...	291.50	1,166.00
Bill	04/30/2019	BOLI			11 Brightwood	199.82	1,365.82
Bill	04/30/2019	BOLI			14 Lenhart	199.82	1,565.64
Bill	04/30/2019	BOLI			05 Mount Scott	199.82	1,765.46
Bill	04/30/2019	BOLI			07 Pete's	199.82	1,965.28
Bill	04/30/2019	BOLI			08 Polivka	199.82	2,165.10
Bill	04/30/2019	BOLI			12 Crutcher Ben...	457.66	2,622.76
Bill	04/30/2019	BOLI			18 Highland Butte	457.66	3,080.42
Bill	04/30/2019	BOLI			01 Carver/Barton	457.65	3,538.07
Total 703-00 - Capital Outlay - Other						3,538.07	3,538.07
Total 703-00 - Capital Outlay						693,809.94	693,809.94
Total Expense						712,447.25	712,447.25
Net Ordinary Income						-712,158.94	-712,158.94
<b>Net Income</b>						<b>-712,158.94</b>	<b>-712,158.94</b>

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Accrual Basis

## Clackamas 800 Radio Group

## Trial Balance

As of April 30, 2019

	Apr 30, 19	
	Debit	Credit
115-00 · Cash/Checking Account	314,980.08	
11000 · Accounts Receivable	154,032.94	
120-00 · Member Fees Receivable	0.00	
12000 · Undeposited Funds	65,787.54	
150-00 · Prepaid Expenses	0.00	
169-00 · CIP	8,003,794.52	
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	
175-00 · Accumulated Depreciation		10,958,322.09
180-00 · Deferred O/F-P25 Maintenance	5,812,058.44	
201-00 · Accounts Payable		708,957.50
201-02 · Other Accounts Payable	0.00	
202-00 · Partner Prepayment	0.00	
250-00 · N/P - CCB (Microwave)	0.00	
210-00 · Reimb due Clackamas County	0.00	
300-01 · GLTDAG	0.00	
300-00 · Fund Balance	0.00	
310-00 · Investment in Fixed Assets		11,227,999.38
320-00 · Retained Earnings, Prior		7,532,151.23
405-00 · Members Contracts		60,200.00
410-00 · Partners Fees		988,247.50
420-00 · Partners Debt Service Zone Cont		93,689.00
431-00 · Interest Income		153.93
435-00 · Lease Revenue		18,373.34
450-00 · Intergovernmental-Clackamas Co		15,912,142.11
605-00 · Site Rental	163,883.32	
610-00 · Fuel/Generators	10,464.61	
615-00 · HVAC Maintenance	3,815.92	
620-00 · Landscape Maintenance	8,460.00	
625-00 · Generator Maintenance	1,641.67	
630-00 · UPS Maintenance	1,560.00	
635-00 · Battery Maintenance	295.00	
645-00 · Insurance	30,569.19	
650-00 · Utilities	38,757.45	
655-00 · Consultant Services	38,564.44	
660-00 · WCCA System Fees	746,600.00	
665-00 · Radio Maintenance Fees	69,826.41	
670-00 · Legal Services	3,740.00	
675-00 · Financial Services	6,480.74	
680-00 · Audit Fees	6,285.00	
685-00 · Miscellaneous Expenses	825.12	
703-00 · Capital Outlay	445,302.16	
703-011 · Land Improvement	2,335,207.69	
703-012 · Building	12,367,809.87	
703-013 · Tower	488,024.30	
703-014 · Generator	139,835.75	
703-021 · Simulcast / Master Site	7,541.50	
703-022 · Subscriber Radios	70,922.26	
703-024 · Paging	16,928.31	
703-034 · Microwave	1,870,026.90	
795-00 · Debt Service	93,688.00	
<b>TOTAL</b>	<b>47,500,236.08</b>	<b>47,500,236.08</b>

# Clackamas 800 Radio Group

## Balance Sheet

As of April 30, 2019

	Apr 30, 19
<b>ASSETS</b>	
Current Assets	
Checking/Savings	
115-00 · Cash/Checking Account	314,980.08
Total Checking/Savings	314,980.08
Accounts Receivable	
11000 · Accounts Receivable	154,032.94
Total Accounts Receivable	154,032.94
Other Current Assets	
12000 · Undeposited Funds	65,787.54
Total Other Current Assets	65,787.54
Total Current Assets	534,800.56
Fixed Assets	
169-00 · CIP	8,003,794.52
160-00 · Buildings and Towers	10,956,645.15
165-00 · Radio Backbone	2,520,898.80
166-00 · Equipment	704,983.00
175-00 · Accumulated Depreciation	-10,958,322.09
Total Fixed Assets	11,227,999.38
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>17,574,858.38</b>
<b>LIABILITIES &amp; EQUITY</b>	
Liabilities	
Current Liabilities	
Accounts Payable	
201-00 · Accounts Payable	708,957.50
Total Accounts Payable	708,957.50
Total Current Liabilities	708,957.50
Total Liabilities	708,957.50
Equity	
310-00 · Investment in Fixed Assets	11,227,999.38
320-00 · Retained Earnings, Prior	7,532,151.23
Net Income	-1,894,249.73
Total Equity	16,865,900.88
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>17,574,858.38</b>



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## Clackamas 800 Radio Group

## A/R Aging Detail

As of April 30, 2019

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>						
Total 31 - 60						
<b>61 - 90</b>						
Total 61 - 90						
<b>&gt; 90</b>						
Invoice	05/30/2018	17-160	American Medical Response	05/30/2018	335	79,180.14
Invoice	07/31/2018	18-166	Canby FD	07/31/2018	273	11,481.80
Invoice	07/31/2018	18-183	Sandy Fire	07/31/2018	273	35,421.00
Invoice	07/31/2018	18-186	West Linn - Public Works	07/31/2018	273	18,920.00
Invoice	07/31/2018	18-188	Boring Water	07/31/2018	273	860.00
Invoice	07/31/2018	18-192	Clackamas County - Transportation Eng	07/31/2018	273	8,170.00
Total > 90						154,032.94
<b>TOTAL</b>						<b>154,032.94</b>



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06/06/19

Accrual Basis

# Clackamas 800 Radio Group

## Profit & Loss Budget vs. Actual

### July 2018 through May 2019

	Jul '18 - May 19	Budget	\$ Over Budget	% of Budget
<b>Ordinary Income/Expense</b>				
<b>Income</b>				
401-00 · Beginning Fund Balance	0.00	531,933.00	-531,933.00	0.0%
405-00 · Members Contracts	60,200.00	61,060.00	-860.00	98.6%
410-00 · Partners Fees	984,377.50	953,418.00	30,959.50	103.2%
420-00 · Partners Debt Service Zone Cont	93,689.00	93,689.00	0.00	100.0%
421-00 · Partner Debt Service Microwave	0.00	0.00	0.00	0.0%
430-00 · Subscriber Radio Payments	0.00	200,000.00	-200,000.00	0.0%
431-00 · Interest Income	164.65	2,000.00	-1,835.35	8.2%
435-00 · Lease Revenue	18,633.34	46,846.00	-28,212.66	39.8%
440-00 · Miscellaneous Income	0.00	1,000.00	-1,000.00	0.0%
450-00 · Intergovernmental-Clackamas Co	16,452,333.97	20,000,000.00	-3,547,666.03	82.3%
455-00 · Bond Interest Income	0.00	400,000.00	-400,000.00	0.0%
<b>Total Income</b>	<b>17,609,398.46</b>	<b>22,289,946.00</b>	<b>-4,680,547.54</b>	<b>79.0%</b>
<b>Gross Profit</b>	<b>17,609,398.46</b>	<b>22,289,946.00</b>	<b>-4,680,547.54</b>	<b>79.0%</b>
<b>Expense</b>				
605-00 · Site Rental	163,883.32	159,597.00	4,286.32	102.7%
610-00 · Fuel/Generators	11,119.58	15,000.00	-3,880.42	74.1%
615-00 · HVAC Maintenance	3,815.92	7,000.00	-3,184.08	54.5%
620-00 · Landscape Maintenance	8,460.00	7,500.00	960.00	112.8%
621-00 · Office Supplies	0.00	3,000.00	-3,000.00	0.0%
625-00 · Generator Maintenance	1,641.67	9,000.00	-7,358.33	18.2%
630-00 · UPS Maintenance	1,560.00	2,000.00	-440.00	78.0%
635-00 · Battery Maintenance	295.00	6,500.00	-6,205.00	4.5%
645-00 · Insurance	30,569.19	28,860.00	1,709.19	105.9%
650-00 · Utilities	42,626.57	157,500.00	-114,873.43	27.1%
655-00 · Consultant Services	44,068.52	38,400.00	5,668.52	114.8%
657-00 · Regional Radio Expense	0.00	1,500.00	-1,500.00	0.0%
660-00 · WCCCA System Fees	746,600.00	735,332.00	11,268.00	101.5%
665-00 · Radio Maintenance Fees	79,593.86	60,000.00	19,593.86	132.7%
670-00 · Legal Services	5,879.00	8,000.00	-2,121.00	73.5%
675-00 · Financial Services	7,015.74	8,500.00	-1,484.26	82.5%
680-00 · Audit Fees	6,285.00	7,500.00	-1,215.00	83.8%
683-00 · Capital Reserve	0.00	100,000.00	-100,000.00	0.0%
685-00 · Miscellaneous Expenses	825.12	8,052.00	-7,226.88	10.2%
686-00 · Meeting Expenses	140.99	2,000.00	-1,859.01	7.0%
703-00 · Capital Outlay				
703-01 · Buildings & Land Improvement				
703-011 · Land Improvement	2,720,478.94			
703-012 · Building	12,367,809.87			
703-013 · Tower	488,024.30			
703-014 · Generator	176,627.75			
<b>Total 703-01 · Buildings &amp; Land Improvement</b>	<b>15,752,940.86</b>			
703-02 · Radio Backbone				
703-021 · Simulcast / Master Site	7,541.50			
703-022 · Subscriber Radios	78,746.03			
703-024 · Paging	16,928.31			
703-026 · Cat. 6 Fire Station Alerting	39,648.00			
<b>Total 703-02 · Radio Backbone</b>	<b>142,863.84</b>			
703-03 · Equipment				
703-032 · DC Power	361,968.90			
703-034 · Microwave	1,871,585.90			
<b>Total 703-03 · Equipment</b>	<b>2,233,554.80</b>			
703-00 · Capital Outlay - Other	445,302.16	20,600,000.00	-20,154,697.84	2.2%
<b>Total 703-00 · Capital Outlay</b>	<b>18,574,661.66</b>	<b>20,600,000.00</b>	<b>-2,025,338.34</b>	<b>90.2%</b>
795-00 · Debt Service	93,688.00	94,000.00	-312.00	99.7%
800-00 · Operating Contingency	0.00	50,000.00	-50,000.00	0.0%
999-00 · Unappropriated End Fund Bal	0.00	180,704.00	-180,704.00	0.0%
<b>Total Expense</b>	<b>19,822,729.14</b>	<b>22,289,945.00</b>	<b>-2,467,215.86</b>	<b>88.9%</b>
<b>Net Ordinary Income</b>	<b>-2,213,330.68</b>	<b>1.00</b>	<b>-2,213,331.68</b>	<b>-221,333,068.0%</b>
<b>Net Income</b>	<b>-2,213,330.68</b>	<b>1.00</b>	<b>-2,213,331.68</b>	<b>-221,333,068.0%</b>

These financial statements omit the statement of cash flows and substantially all disclosures required by accounting principles generally accepted in the United States of America. These financial statements have not been subjected to an audit, review, or compilation engagement, and therefore no assurance is provided on them.

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06/06/19

Accrual Basis

# Clackamas 800 Radio Group Profit & Loss Detail

May 2019

Type	Date	Num	Name	Memo	Class	Amount	Balance
<b>Ordinary Income/Expense</b>							
<b>Income</b>							
<b>410-00 · Partners Fees</b>							
Credit Memo	05/31/2019	18-208	Sandy Fire	Partner Voice Radios		-3,870.00	-3,870.00
Total 410-00 · Partners Fees						-3,870.00	-3,870.00
<b>431-00 · Interest Income</b>							
Deposit	05/31/2019			Interest		10.72	10.72
Total 431-00 · Interest Income						10.72	10.72
<b>435-00 · Lease Revenue</b>							
Deposit	05/24/2019		FBI	Deposit		130.00	130.00
Deposit	05/29/2019		FBI	Deposit		130.00	260.00
Total 435-00 · Lease Revenue						260.00	260.00
<b>450-00 · Intergovernmental-Clackamas Co</b>							
Deposit	05/03/2019		Clackamas County - Bond Related	Deposit		8,170.00	8,170.00
Deposit	05/31/2019		Clackamas County - Bond Related	Deposit		532,021.86	540,191.86
Total 450-00 · Intergovernmental-Clackamas Co						540,191.86	540,191.86
Total Income						536,592.58	536,592.58
Gross Profit						536,592.58	536,592.58
<b>Expense</b>							
<b>610-00 · Fuel/Generators</b>							
Bill	05/28/2019	INV01...	WCCCA			654.97	654.97
Total 610-00 · Fuel/Generators						654.97	654.97
<b>650-00 · Utilities</b>							
Check	05/01/2019		PGE			229.12	229.12
Check	05/01/2019		PGE			298.21	527.33
Check	05/01/2019		PGE			75.55	602.88
Check	05/01/2019		PGE			339.91	942.79
Check	05/01/2019		PGE			338.74	1,281.53
Check	05/01/2019		PGE			163.10	1,444.63
Check	05/01/2019		PGE			284.52	1,729.15
Check	05/01/2019		PGE			244.01	1,973.16
Check	05/01/2019		PGE			418.32	2,391.48
Check	05/01/2019		PGE			506.94	2,898.42
Check	05/01/2019		PGE			406.05	3,304.47
Check	05/01/2019		PGE			46.35	3,350.82
Check	05/01/2019		PGE			228.47	3,579.29
Check	05/01/2019		PGE			289.83	3,869.12
Total 650-00 · Utilities						3,869.12	3,869.12
<b>655-00 · Consultant Services</b>							
Bill	05/07/2019		Consistent Image Web Design			200.00	200.00
Bill	05/31/2019		Consistent Image Web Design			100.00	300.00
Bill	05/31/2019		Hartsock Project Mgmt.			5,204.08	5,504.08
Total 655-00 · Consultant Services						5,504.08	5,504.08
<b>665-00 · Radio Maintenance Fees</b>							
Bill	05/10/2019	228304	TX RX Systems Inc. (Bird)			9,201.34	9,201.34
Bill	05/22/2019	SKN04...	CDW Government			566.11	9,767.45
Total 665-00 · Radio Maintenance Fees						9,767.45	9,767.45
<b>670-00 · Legal Services</b>							
Bill	05/29/2019	716775	Garvey Schubert Barer		04 Wilsonville T...	1,875.00	1,875.00
Bill	05/31/2019	12419	Eakins, Eileen			264.00	2,139.00
Total 670-00 · Legal Services						2,139.00	2,139.00
<b>675-00 · Financial Services</b>							
Bill	05/03/2019	157985	Talbot, Korvola & Warwick, LLP			515.00	515.00
Check	05/31/2019		Clackamas County Bank	Service Charge		20.00	535.00
Total 675-00 · Financial Services						535.00	535.00
<b>686-00 · Meeting Expenses</b>							
Bill	05/07/2019		Pamplin Media Group			39.51	39.51
Bill	05/17/2019		Pamplin Media Group			101.48	140.99
Total 686-00 · Meeting Expenses						140.99	140.99

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Accrual Basis

# Clackamas 800 Radio Group Profit & Loss Detail

May 2019

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	05/10/2019	33639	ACS Testing, Inc.		01 Carver/Barton	2,588.25	2,588.25
Bill	05/10/2019	33819	ACS Testing, Inc.		03 Damascus	227.27	2,815.52
Bill	05/10/2019	33992	ACS Testing, Inc.		24 Sawtell Fire ...	282.87	3,098.39
Bill	05/16/2019	1704	Capital Design Services, LLC		17 Estacada_D...	585.00	3,683.39
Bill	05/16/2019	1711	Capital Design Services, LLC		05 Mount Scott	750.00	4,433.39
Bill	05/17/2019	16813	Black Mountain Consulting		20 Angel Falls/...	973.48	5,406.87
Bill	05/17/2019	16813	Black Mountain Consulting		21 Oak Grove B...	973.48	6,380.35
Bill	05/17/2019	16813	Black Mountain Consulting		13 Tom Dick an...	973.48	7,353.83
Bill	05/17/2019	16813	Black Mountain Consulting		22 Whale Head	973.47	8,327.30
Bill	05/17/2019	8618	Securasite LLC		01 Carver/Barton	725.00	9,052.30
Bill	05/17/2019	8617	Securasite LLC		01 Carver/Barton	144.16	9,196.46
Bill	05/17/2019	8601	Securasite LLC		11 Brightwood	687.65	9,884.11
Bill	05/17/2019	8599	Securasite LLC		11 Brightwood	281.25	10,165.36
Bill	05/17/2019	8612	Securasite LLC		16 Canby	437.50	10,602.86
Bill	05/17/2019	8628	Securasite LLC		40 All	9,890.00	20,492.86
Bill	05/17/2019	8608	Securasite LLC		02 Skyland/Coo...	375.00	20,867.86
Bill	05/17/2019	8592	Securasite LLC		12 Crutcher Ben...	8.10	20,875.96
Bill	05/17/2019	8585	Securasite LLC		12 Crutcher Ben...	281.25	21,157.21
Bill	05/17/2019	8626	Securasite LLC		03 Damascus	174.33	21,331.54
Bill	05/17/2019	8609	Securasite LLC		03 Damascus	281.25	21,612.79
Bill	05/17/2019	8603	Securasite LLC		17 Estacada_D...	31.36	21,644.15
Bill	05/17/2019	8604	Securasite LLC		17 Estacada_D...	768.75	22,412.90
Bill	05/17/2019	8631	Securasite LLC		23 Goat Mountain	1,364.27	23,777.17
Bill	05/17/2019	8606	Securasite LLC		23 Goat Mountain	137.50	23,914.67
Bill	05/17/2019	8582	Securasite LLC		18 Highland Butte	31.25	23,945.92
Bill	05/17/2019	8590	Securasite LLC		27 Hoodland Fire	135.84	24,081.76
Bill	05/17/2019	8591	Securasite LLC		27 Hoodland Fire	718.75	24,800.51
Bill	05/17/2019	8621	Securasite LLC		25 LO High Schl...	44.66	24,845.17
Bill	05/17/2019	8620	Securasite LLC		25 LO High Schl...	475.00	25,320.17
Bill	05/17/2019	8602	Securasite LLC		14 Lenhart	175.00	25,495.17
Bill	05/17/2019	8600	Securasite LLC		20 Angel Falls/...	3,119.53	28,614.70
Bill	05/17/2019	8584	Securasite LLC		20 Angel Falls/...	375.00	28,989.70
Bill	05/17/2019	8583	Securasite LLC		20 Angel Falls/...	35.38	29,025.08
Bill	05/17/2019	8632	Securasite LLC		05 Mount Scott	896.36	29,921.44
Bill	05/17/2019	8593	Securasite LLC		05 Mount Scott	612.50	30,533.94
Bill	05/17/2019	8607	Securasite LLC		06 Mtn View	312.50	30,846.44
Bill	05/17/2019	8586	Securasite LLC		21 Oak Grove B...	1,701.47	32,547.91
Bill	05/17/2019	8594	Securasite LLC		07 Pete's	49.06	32,596.97
Bill	05/17/2019	8595	Securasite LLC		07 Pete's	825.00	33,421.97
Bill	05/17/2019	8630	Securasite LLC		40 All	8,000.00	41,421.97
Bill	05/17/2019	8629	Securasite LLC		40 All	492.48	41,914.45
Bill	05/17/2019	8596	Securasite LLC		08 Polivka	450.00	42,364.45
Bill	05/17/2019	8605	Securasite LLC		19 Day Hill	93.75	42,458.20
Bill	05/17/2019	8611	Securasite LLC		09 Sandy	218.75	42,676.95
Bill	05/17/2019	8619	Securasite LLC		24 Sawtell Fire ...	62.50	42,739.45
Bill	05/17/2019	8588	Securasite LLC		13 Tom Dick an...	1,672.48	44,411.93
Bill	05/17/2019	8589	Securasite LLC		13 Tom Dick an...	62.50	44,474.43
Bill	05/17/2019	8597	Securasite LLC		10 View Acres	192.51	44,666.94
Bill	05/17/2019	8598	Securasite LLC		10 View Acres	375.00	45,041.94
Bill	05/17/2019	8587	Securasite LLC		22 Whale Head	1,701.47	46,743.41
Bill	05/17/2019	8610	Securasite LLC		04 Wilsonville T...	187.50	46,930.91
Bill	05/20/2019	43	Reid Consulting/Terry Reid		20 Angel Falls/...	375.00	47,305.91
Bill	05/20/2019	43	Reid Consulting/Terry Reid		21 Oak Grove B...	375.00	47,680.91
Bill	05/20/2019	43	Reid Consulting/Terry Reid		13 Tom Dick an...	375.00	48,055.91
Bill	05/20/2019	43	Reid Consulting/Terry Reid		22 Whale Head	375.00	48,430.91
Bill	05/22/2019	8627	Securasite LLC		40 All	1,843.31	50,274.22
Bill	05/22/2019	5283	T3 Construction LLC		01 Carver/Barton	57,075.00	107,349.22
Bill	05/24/2019	5284	T3 Construction LLC		12 Crutcher Ben...	78,000.00	185,349.22
Bill	05/24/2019	SPUC...	USDA Forest Service		20 Angel Falls/...	4,031.63	189,380.85
Bill	05/24/2019	SPUC...	USDA Forest Service		21 Oak Grove B...	4,031.63	193,412.48
Bill	05/24/2019	SPUC...	USDA Forest Service		13 Tom Dick an...	4,031.63	197,444.11
Bill	05/24/2019	SPUC...	USDA Forest Service		22 Whale Head	4,031.64	201,475.75
Bill	05/28/2019	16816	Black Mountain Consulting		02 Skyland/Coo...	3,600.00	205,075.75
Bill	05/30/2019	33993	ACS Testing, Inc.		18 Highland Butte	65.84	205,141.59
Bill	05/30/2019	33994	ACS Testing, Inc.		23 Goat Mountain	65.84	205,207.43
Bill	05/30/2019	33995	ACS Testing, Inc.		02 Skyland/Coo...	65.84	205,273.27
Bill	05/30/2019	33996	ACS Testing, Inc.		25 LO High Schl...	65.84	205,339.11
Bill	05/30/2019	33997	ACS Testing, Inc.		20 Angel Falls/...	65.84	205,404.95
Bill	05/30/2019	33998	ACS Testing, Inc.		21 Oak Grove B...	65.84	205,470.79
Bill	05/30/2019	33999	ACS Testing, Inc.		22 Whale Head	65.84	205,536.63
Bill	05/30/2019	34000	ACS Testing, Inc.		12 Crutcher Ben...	59.55	205,596.18
Bill	05/30/2019	34001	ACS Testing, Inc.		04 Wilsonville T...	59.55	205,655.73
Bill	05/31/2019	1716	Capital Design Services, LLC		05 Mount Scott	1,250.00	206,905.73
Bill	05/31/2019	1738	Capital Design Services, LLC		23 Goat Mountain	750.00	207,655.73
Bill	05/31/2019	1739	Capital Design Services, LLC		23 Goat Mountain	2,100.00	209,755.73
Bill	05/31/2019	614401	Day Wireless Systems Inc.		40 All	5,494.00	215,249.73
Bill	05/31/2019	18001...	Todd Hess Building Company		26 CCOM	14,757.30	230,007.03
Bill	05/31/2019	18001...	Todd Hess Building Company		14 Lenhart	31,052.84	261,059.87
Bill	05/31/2019	18001...	Todd Hess Building Company		11 Brightwood	31,052.84	292,112.71
Bill	05/31/2019	18001...	Todd Hess Building Company		17 Estacada_D...	31,052.84	323,165.55
Bill	05/31/2019	18001...	Todd Hess Building Company		24 Sawtell Fire ...	31,052.85	354,218.40
Bill	05/31/2019	18001...	Todd Hess Building Company		23 Goat Mountain	31,052.85	385,271.25
Total 703-011 · Land Improvement						385,271.25	385,271.25

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# Clackamas 800 Radio Group Profit & Loss Detail

Accrual Basis

May 2019

Type	Date	Num	Name	Memo	Class	Amount	Balance
<b>703-014 · Generator</b>							
Bill	05/09/2019	8542	Power Systems Plus Inc.		08 Polivka	8,296.00	8,296.00
Bill	05/09/2019	8543	Power Systems Plus Inc.		09 Sandy	8,296.00	16,592.00
Bill	05/09/2019	8541	Power Systems Plus Inc.		03 Damascus	13,600.00	30,192.00
Bill	05/21/2019	2036a	Power Systems Plus Inc.		24 Sawtell Fire ...	1,650.00	31,842.00
Bill	05/21/2019	2047a	Power Systems Plus Inc.		09 Sandy	1,650.00	33,492.00
Bill	05/21/2019	2047a	Power Systems Plus Inc.		16 Canby	1,650.00	35,142.00
Bill	05/21/2019	2047a	Power Systems Plus Inc.		03 Damascus	1,650.00	36,792.00
Total 703-014 · Generator						36,792.00	36,792.00
Total 703-01 · Buildings & Land Improvement						422,063.25	422,063.25
<b>703-02 · Radio Backbone</b>							
<b>703-022 · Subscriber Radios</b>							
Bill	05/29/2019	3	Gibson Technical Services		40 All	7,823.77	7,823.77
Total 703-022 · Subscriber Radios						7,823.77	7,823.77
<b>703-026 · Cat. 6 Fire Station Alerting</b>							
Bill	05/01/2019	8432	Clackamas County Fire District #1		40 All	39,648.00	39,648.00
Total 703-026 · Cat. 6 Fire Station Alerting						39,648.00	39,648.00
Total 703-02 · Radio Backbone						47,471.77	47,471.77
<b>703-03 · Equipment</b>							
<b>703-032 · DC Power</b>							
Bill	05/28/2019	614419	Day Wireless Systems Inc.		14 Lenhart	17,262.82	17,262.82
Bill	05/28/2019	614419	Day Wireless Systems Inc.		01 Carver/Barton	12,789.82	30,052.64
Bill	05/28/2019	614419	Day Wireless Systems Inc.		02 Skyland/Coo...	12,789.82	42,842.46
Bill	05/28/2019	614419	Day Wireless Systems Inc.		03 Damascus	43,542.93	86,385.39
Bill	05/28/2019	614419	Day Wireless Systems Inc.		04 Wilsonville T...	12,789.82	99,175.21
Bill	05/28/2019	614419	Day Wireless Systems Inc.		05 Mount Scott	12,789.82	111,965.03
Bill	05/28/2019	614419	Day Wireless Systems Inc.		06 Mtn View	12,789.82	124,754.85
Bill	05/28/2019	614419	Day Wireless Systems Inc.		25 LO High Schl...	12,789.82	137,544.67
Bill	05/28/2019	614419	Day Wireless Systems Inc.		11 Brightwood	12,789.82	150,334.49
Bill	05/28/2019	614419	Day Wireless Systems Inc.		12 Crutcher Ben...	12,789.82	163,124.31
Bill	05/28/2019	614419	Day Wireless Systems Inc.		13 Tom Dick an...	12,789.82	175,914.13
Bill	05/28/2019	614419	Day Wireless Systems Inc.		15 Timberline	12,789.82	188,703.95
Bill	05/28/2019	614419	Day Wireless Systems Inc.		19 Day Hill	12,789.82	201,493.77
Bill	05/28/2019	614419	Day Wireless Systems Inc.		18 Highland Butte	12,789.82	214,283.59
Bill	05/28/2019	614419	Day Wireless Systems Inc.		19 Redland Road	12,789.82	227,073.41
Bill	05/28/2019	614419	Day Wireless Systems Inc.		20 Angel Falls/...	12,789.82	239,863.23
Bill	05/28/2019	614419	Day Wireless Systems Inc.		21 Oak Grove B...	12,789.82	252,653.05
Bill	05/28/2019	614419	Day Wireless Systems Inc.		22 Whale Head	12,789.82	265,442.87
Bill	05/28/2019	614419	Day Wireless Systems Inc.		23 Goat Mountain	12,789.82	278,232.69
Bill	05/28/2019	614419	Day Wireless Systems Inc.		24 Sawtell Fire ...	12,789.82	291,022.51
Bill	05/28/2019	614419	Day Wireless Systems Inc.		04 Wilsonville T...	3,325.03	294,347.54
Bill	05/28/2019	614419	Day Wireless Systems Inc.		07 Pete's	32,623.18	326,970.72
Bill	05/28/2019	614419	Day Wireless Systems Inc.		10 View Acres	32,623.18	359,593.90
Bill	05/31/2019	18001...	Todd Hess Building Company		24 Sawtell Fire ...	1,187.50	360,781.40
Bill	05/31/2019	18001...	Todd Hess Building Company		17 Estacada_D...	1,187.50	361,968.90
Total 703-032 · DC Power						361,968.90	361,968.90
<b>703-034 · Microwave</b>							
Bill	05/07/2019	SI4913...	Lile International Companies		40 All	1,559.00	1,559.00
Total 703-034 · Microwave						1,559.00	1,559.00
Total 703-03 · Equipment						363,527.90	363,527.90
Total 703-00 · Capital Outlay						833,062.92	833,062.92
Total Expense						855,673.53	855,673.53
Net Ordinary Income						-319,080.95	-319,080.95
<b>Net Income</b>						<b>-319,080.95</b>	<b>-319,080.95</b>

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## Clackamas 800 Radio Group

## Trial Balance

As of May 31, 2019

	May 31, 19	
	Debit	Credit
115-00 · Cash/Checking Account	208,383.58	
11000 · Accounts Receivable	118,611.94	
120-00 · Member Fees Receivable	0.00	
12000 · Undeposited Funds	31,551.00	
150-00 · Prepaid Expenses	0.00	
169-00 · CIP	8,003,794.52	
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	
175-00 · Accumulated Depreciation		10,958,322.09
180-00 · Deferred O/F-P25 Maintenance	5,812,058.44	
201-00 · Accounts Payable		851,784.41
201-02 · Other Accounts Payable	0.00	
202-00 · Partner Prepayment	0.00	
250-00 · N/P - CCB (Microwave)	0.00	
210-00 · Reimb due Clackamas County	0.00	
300-01 · GLTDAG	0.00	
300-00 · Fund Balance	0.00	
310-00 · Investment in Fixed Assets		11,227,999.38
320-00 · Retained Earnings, Prior		7,532,151.23
405-00 · Members Contracts		60,200.00
410-00 · Partners Fees		984,377.50
420-00 · Partners Debt Service Zone Cont		93,689.00
431-00 · Interest Income		164.65
435-00 · Lease Revenue		18,633.34
450-00 · Intergovernmental-Clackamas Co		16,452,333.97
605-00 · Site Rental	163,883.32	
610-00 · Fuel/Generators	11,119.58	
615-00 · HVAC Maintenance	3,815.92	
620-00 · Landscape Maintenance	8,460.00	
625-00 · Generator Maintenance	1,641.67	
630-00 · UPS Maintenance	1,560.00	
635-00 · Battery Maintenance	295.00	
645-00 · Insurance	30,569.19	
650-00 · Utilities	42,626.57	
655-00 · Consultant Services	44,068.52	
660-00 · WCCCA System Fees	746,600.00	
665-00 · Radio Maintenance Fees	79,593.86	
670-00 · Legal Services	5,879.00	
675-00 · Financial Services	7,015.74	
680-00 · Audit Fees	6,285.00	
685-00 · Miscellaneous Expenses	825.12	
686-00 · Meeting Expenses	140.99	
703-00 · Capital Outlay	445,302.16	
703-011 · Land Improvement	2,720,478.94	
703-012 · Building	12,367,809.87	
703-013 · Tower	488,024.30	
703-014 · Generator	176,627.75	
703-021 · Simulcast / Master Site	7,541.50	
703-022 · Subscriber Radios	78,746.03	
703-024 · Paging	16,928.31	
703-026 · Cat. 6 Fire Station Alerting	39,648.00	
703-032 · DC Power	361,968.90	
703-034 · Microwave	1,871,585.90	
795-00 · Debt Service	93,688.00	
<b>TOTAL</b>	<b>48,179,655.57</b>	<b>48,179,655.57</b>

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# Clackamas 800 Radio Group

## Balance Sheet

As of May 31, 2019

	May 31, 19
<b>ASSETS</b>	
<b>Current Assets</b>	
<b>Checking/Savings</b>	
115-00 · Cash/Checking Account	208,383.58
<b>Total Checking/Savings</b>	208,383.58
<b>Accounts Receivable</b>	
11000 · Accounts Receivable	118,611.94
<b>Total Accounts Receivable</b>	118,611.94
<b>Other Current Assets</b>	
12000 · Undeposited Funds	31,551.00
<b>Total Other Current Assets</b>	31,551.00
<b>Total Current Assets</b>	358,546.52
<b>Fixed Assets</b>	
169-00 · CIP	8,003,794.52
160-00 · Buildings and Towers	10,956,645.15
165-00 · Radio Backbone	2,520,898.80
166-00 · Equipment	704,983.00
175-00 · Accumulated Depreciation	-10,958,322.09
<b>Total Fixed Assets</b>	11,227,999.38
<b>Other Assets</b>	
180-00 · Deferred O/F-P25 Maintenance	5,812,058.44
<b>Total Other Assets</b>	5,812,058.44
<b>TOTAL ASSETS</b>	<b>17,398,604.34</b>
<b>LIABILITIES &amp; EQUITY</b>	
<b>Liabilities</b>	
<b>Current Liabilities</b>	
<b>Accounts Payable</b>	
201-00 · Accounts Payable	851,784.41
<b>Total Accounts Payable</b>	851,784.41
<b>Total Current Liabilities</b>	851,784.41
<b>Total Liabilities</b>	851,784.41
<b>Equity</b>	
310-00 · Investment in Fixed Assets	11,227,999.38
320-00 · Retained Earnings, Prior	7,532,151.23
Net Income	-2,213,330.68
<b>Total Equity</b>	16,546,819.93
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>17,398,604.34</b>

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**Clackamas 800 Radio Group**  
**A/R Aging Detail**  
As of May 31, 2019

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>						
Total 31 - 60						
<b>61 - 90</b>						
Total 61 - 90						
<b>&gt; 90</b>						
Invoice	05/30/2018	17-160	American Medical Response	05/30/2018	366	79,180.14
Invoice	07/31/2018	18-166	Canby FD	07/31/2018	304	11,481.80
Invoice	07/31/2018	18-186	West Linn - Public Works	07/31/2018	304	18,920.00
Invoice	07/31/2018	18-188	Boring Water	07/31/2018	304	860.00
Invoice	07/31/2018	18-192	Clackamas County - Transportation Eng	07/31/2018	304	8,170.00
Total > 90						118,611.94
<b>TOTAL</b>						<b>118,611.94</b>

These financial statements omit the statement of cash flows and substantially all disclosures required by accounting principles generally accepted in the United States of America. These financial statements have not been subjected to an audit, review, or compilation engagement, and therefore no assurance is provided on them.



# RADIO PROJECT STATUS

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## Emergency Communication System Upgrade

C800 Project Leader: John Hartsock

WCCCA Project Leader: Ron Polluconi

C800 Project Manager: Bjorn Morfin

Date: April 24, 2019



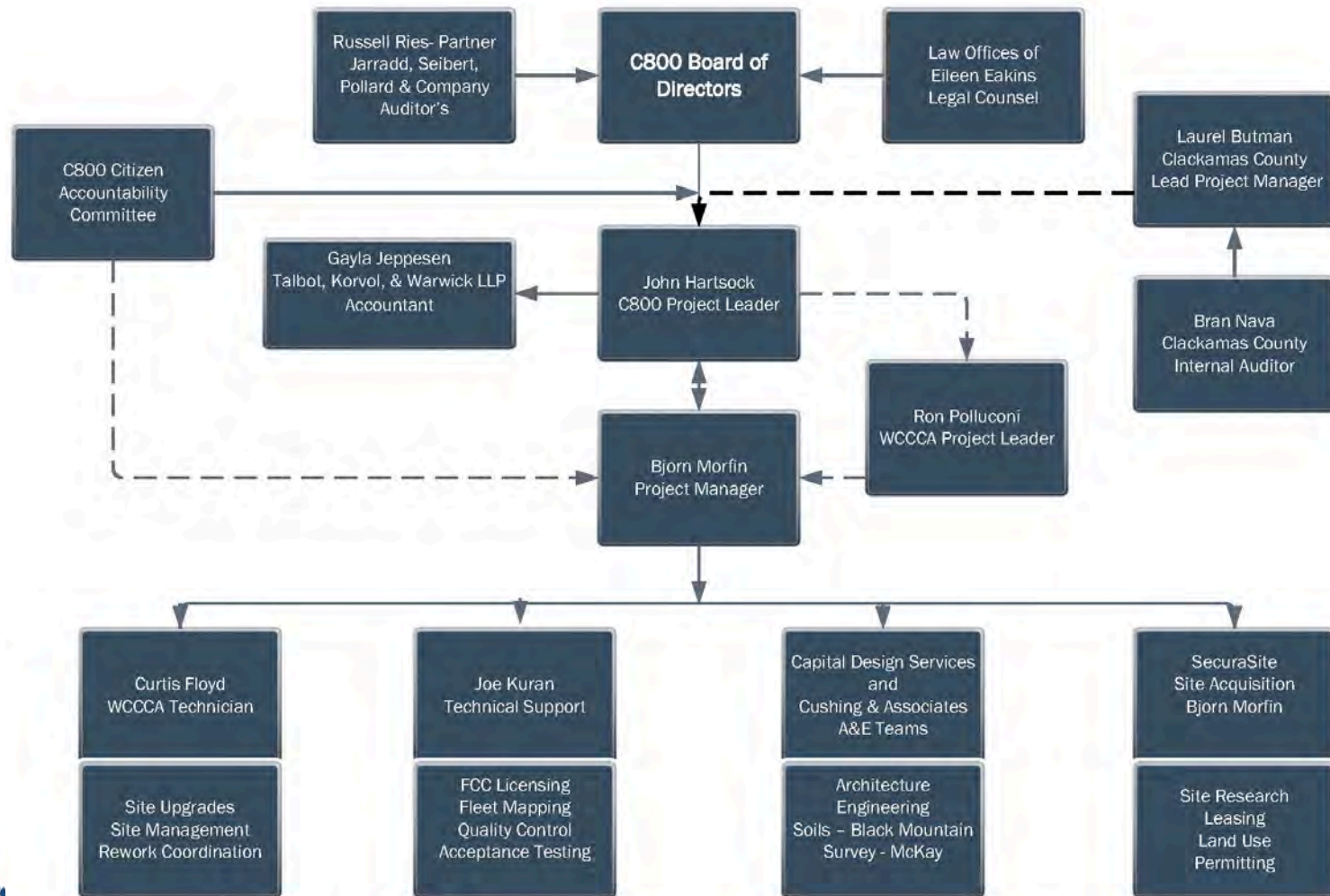
# Resiliency:

## A Primary Objective of the Upgraded System Design

- New Facilities and Towers - Designed to the Oregon Structural Specialty Code: “Essential Facilities” Risk Category IV: i.e., Essential structures in this category are used for communications across non-redundant and hardened networks such as: rescue or disaster operations, and public safety facilities. They are to withstand a magnitude 9 earthquake and continue to operate.
- Existing Facilities and Towers - Upgraded to Meet the Current Essential Facilities Codes. Includes 6 tower replacements / 5 tower upgrades and 11 building foundation upgrades.
- 48V DC Power Systems Combined with Emergency Generators - Having 1,000 gal propane fuel supply to provide up to 4 weeks of back up power.
- Redundant HVAC units to maintain environmental control.



# C800 Project Team



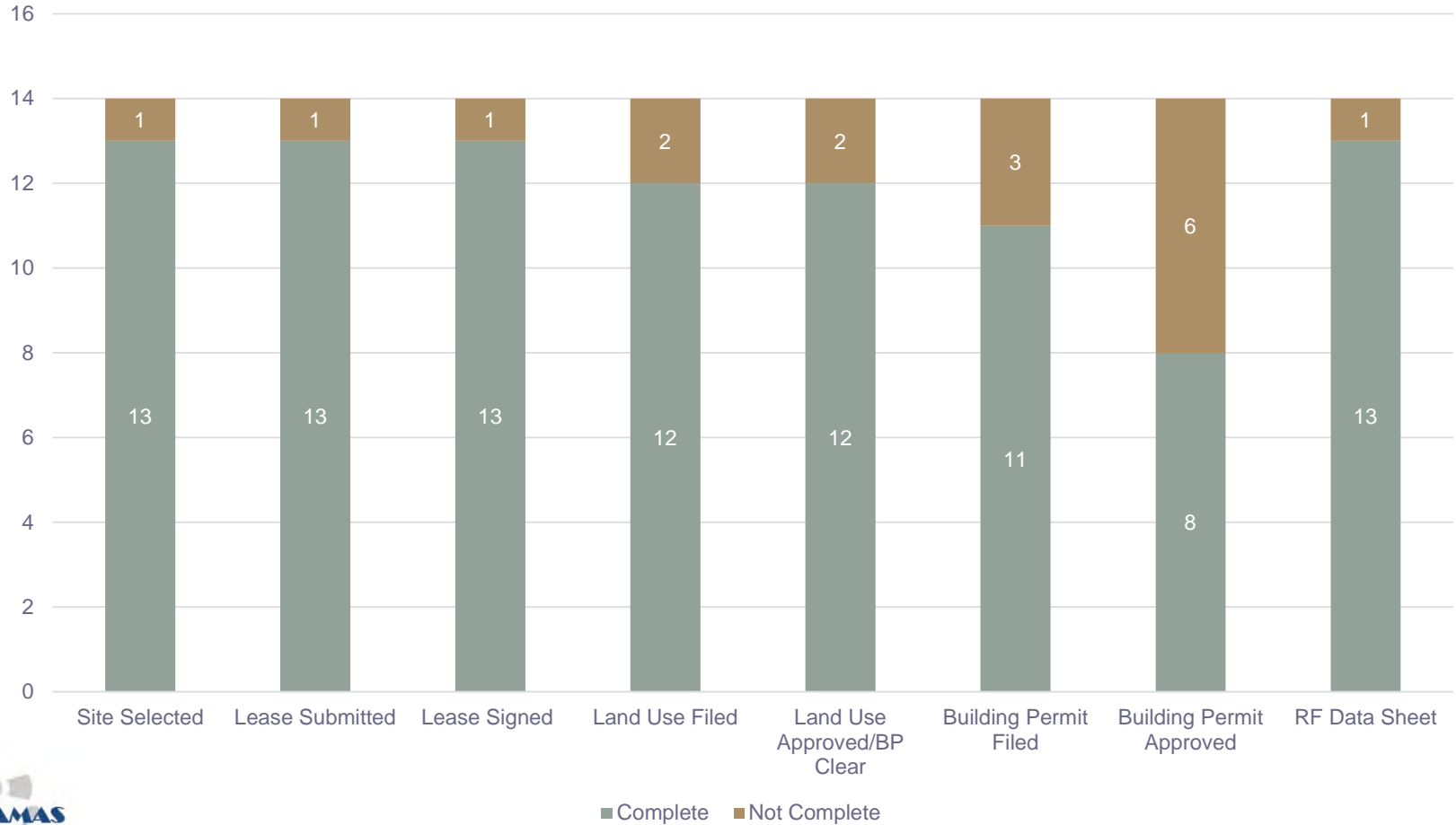
# Project Status New Sites Summary

## Fourteen New Sites Acquisition / Design / Construction:

- **Barton:** Construction complete – radio / antenna / 48V battery installation underway.
- **Cooks Butte:** Preparing land use submittal including arborist review, sensitive lands review, NEPA, for submittal by late June or early July after the neighborhood meeting.
- **Kerr Parkway Water Tank:** We are researching alternative locations.
- **Damascus / Sandy / Canby:** Construction / radio - antenna installation / 48V battery complete.
- **Wilsonville:** Working on access agreement anticipate lease by 8/1 and submit for building permit by 8/5 – construction start 9/1
- **Crutcher Bench (BLM):** Construction underway anticipated completion by July 12, 2019
- **Highland Butte (BLM):** Construction to begin in early July finalizing tree sale with BLM and additional NEPA work.
- **Tom Dick & Harry / Memaloose / Whale Head / Oak Grove (USFS):** USFS has authorized project. One building permit is available and the other three by early July. Construction to begin by July 1.
- **Hoodland Fire/Brightwood:** Land use is approved building permit is anticipated by June 21. Construction contract was bid and is to be awarded June 19th

# Site Acquisition Status – C800

C800 Status - 14 Sites



# Project Status Existing Sites Summary

	C800
13 Existing Sites Design / Construction	<ul style="list-style-type: none"> <li>• <b>Brightwood / Lenhart / Mt Scott / Pete's / Polivka:</b> Tower replacement / building foundation upgrades / 48V DC power system / new generator and 1,000 gal fuel tank / new HVAC units. Construction underway anticipate completion of all by mid August.</li> <li>• <b>Goat Mtn / Mt View / Redland Rd / Sawtell / View Acres:</b> Tower structural upgrades / building foundation upgrades / 48V DC power system / new generator and 1,000 gal fuel tank / new HVAC units. Mt View/Redland/Sawtell/View Acres complete Goat will begin in July with an anticipated September completion</li> <li>• <b>Day Hill:</b> All work complete radio/antenna/48V battery work underway</li> <li>• <b>Timberline:</b> new generator and 1,000 gal fuel tank scheduled for September</li> <li>• <b>CCOM:</b> New Uninterruptable Power System for Master Site Equipment / revisions to fire suppression system / new cable tray. Work complete.</li> </ul>



# Project Schedule

Task Name	Duration	Start	Finish	Timeline																			
				2016				2017				2018				2019				2020			
				1st Half	2nd Half	3rd Half	4th Half	1st Half	2nd Half	3rd Half	4th Half	1st Half	2nd Half	3rd Half	4th Half	1st Half	2nd Half	3rd Half	4th Half				
C800 Radio Systems Upgrade 6-1-2019	1038 days?	Wed 6/1/16	Fri 5/22/20																				
Site Acquisition & Design & Construction	1038 days	Wed 6/1/16	Fri 5/22/20																				
Aquisition - Land Leases / Survey / Soils / Geotech	848 days	Wed 6/1/16	Fri 8/30/19																				
Site Designs, Engineering /Architecture / Land Use / Permits / Bid Award Contract	828 days	Wed 11/16/16	Fri 1/17/20																				
Construct New Site	818 days	Wed 4/5/17	Fri 5/22/20																				
Upgrade Existing Communications Sites	470 days	Mon 2/5/18	Fri 11/22/19																				
WCCCA/C800 Phase IV P25 System (Voice/Data/Paging)	995 days?	Mon 8/1/16	Fri 5/22/20																				
WCCCA/C800 Phase IV P25 System (Voice/Data/Paging)	0 days?	Mon 8/1/16	Mon 8/1/16																				
P25 LMR System and Subscribers	995 days	Mon 8/1/16	Fri 5/22/20																				
Upgrade or Replace P25 Subscriber Radios	605 days	Mon 7/3/17	Fri 10/25/19																				
Upgrade P25 LMR Infrastructure	895 days	Mon 8/1/16	Fri 1/3/20																				
New/upgraded alarms, security, telemetry, site management systems, procurment	320 days	Tue 1/1/19	Mon 3/23/20																				
Upgrade or Replace P25 IV&D Radio/Dispatch Consoles	850 days	Mon 8/1/16	Fri 11/1/19																				
Recording/Logging equipment upgrade/replacement	240 days	Tue 2/5/19	Mon 1/6/20																				
Backup Dispatch (Wide and Control Station modes)	300 days	Mon 11/5/18	Fri 12/27/19																				
Site on Wheels (wide and ST modes)	300 days	Mon 11/5/18	Fri 12/27/19																				
Microwave Backhaul Systems	555 days	Mon 11/6/17	Fri 12/20/19																				
New/Upgrade 48 VDC and Battery Backup Systems	255 days	Mon 9/24/18	Fri 9/13/19																				

# Project Schedule

Task Name	Duration	Start	Finish	2016		2017		2018		2019		2020	
				Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half
Paging, Messaging Systems upgrade/replacement	540 days	Mon 2/5/18	Fri 2/28/20										
IP based Fire Station Alerting System	440 days	Mon 6/4/18	Fri 2/7/20										
Video and Security systems	195 days	Mon 6/17/19	Fri 3/13/20										
Interoperable RF Systems and Links	515 days	Mon 6/4/18	Fri 5/22/20										
System Operational May 22, 2020	0 days	Fri 5/22/20	Fri 5/22/20										

- New Site Design & Construction complete: December 2019
- Existing Sites Upgrade complete: August 2019
- System Operational Date: May 2020

# C800 Radio System Upgrade Budget (1)

Project:	<b>C800 Radio System Upgrade</b>		
Date Original:	10/1/2015	Date Updated:	May 31, 2019
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	121,300	0	87.21%	442,550	(122,550)	385,943.64
Site Planning A&E - Cushing/Capital/Cundiff/Forensic/KPFF/SDC/ToddHess	725,000	651,781	468,930	(295,500)	95.25%	825,211	(100,211)	785,974.45
Geotechnical / Environmental Consulting - Black Mtn	250,000	443,670	0	25,000	97.92%	468,670	(218,670)	458,934.17
Survey - McKay	75,000	124,240	0	0	68.48%	124,240	(49,240)	85,080.00
USFS Land Use Fees	15,000	10,000	41,000	2,500	62.32%	53,500	(38,500)	33,338.70
Land Use Fees	25,000	9,400	0	15,000	38.27%	24,400	600	9,339.00
Plan Check / Permit Cost	60,000	10,000	0	30,000	23.81%	40,000	20,000	9,525.20
Printing	2,500			2,500	0.00%	2,500	0	0.00
Bid Advertising	3,500	850	0	1,000	57.39%	1,850	1,650	1,061.65
Materials Testing & Inspection	40,000	2,700	0	15,000	14.82%	17,700	22,300	2,623.75
Project Management	300,000	80,000	245,200	0	80.15%	325,200	(25,200)	260,651.13
Legal Fees	30,000	15,000	0	8,000	55.60%	23,000	7,000	12,787.60
Licensing	20,000	69,000		5,000	93.10%	74,000	(54,000)	68,890.50
Miscellaneous	30,000	88,000	70,000	4,000	55.79%	162,000	(132,000)	90,381.88
<b>Sub-Total Soft Cost</b>	<b>1,956,000</b>	<b>1,850,891</b>	<b>991,430</b>	<b>(190,430)</b>	<b>85.66%</b>	<b>2,651,891</b>	<b>(695,891)</b>	<b>2,271,601</b>
<b>Construction Cost</b>								
Site Construction	8,895,000	5,870,634	0	3,545,000	39.49%	9,415,634	(520,634)	3,718,088.78
Buildings	1,350,000	2,018,663	0	40,000	86.46%	2,058,663	(708,663)	1,780,009.60
Towers	660,000	1,383,357	0	90,000	61.02%	1,473,357	(813,357)	899,038.14
Generator	500,000	513,196	0	35,000	72.31%	548,196	(48,196)	396,420.21
48VDC	1,065,000	1,443,767	0	15,000	24.75%	1,458,767	(393,767)	361,024.82
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>11,247,117</b>	<b>0</b>	<b>3,725,000</b>	<b>47.90%</b>	<b>14,972,117</b>	<b>(2,484,117)</b>	<b>7,172,093.30</b>

# C800 Radio System Upgrade Budget (2)

Project:	<b>C800 Radio System Upgrade</b>	
Date Original:	10/1/2015	Date Updated: May 31, 2019
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	\$19,592,515		200,000	72.08%	19,792,515	933,485	14,265,838.02
Paging	373,000	7,523		365,000	5.96%	372,523	477	22,208.31
Subscriber Radios	5,000,000	6,303,129		500,000	49.21%	6,803,129	(1,803,129)	3,347,748.70
Asset Management	119,000			119,000	0.00%	119,000	0	0.00
Post Warranty / System Refresh	5,800,000	5,812,058		0	100.00%	5,812,058	(12,058)	5,812,058.44
Test Equipment	100,000			100,000	0.00%	100,000	0	0.00
Microwave	3,368,000	0	2,349,951	250,000	95.17%	2,599,951	768,049	2,474,410.91
Security System	1,364,000			500,000	0.22%	500,000	864,000	1,079.96
Fire Station Alerting	0			1,470,000		1,470,000	(1,470,000)	
<b>Subtotal Equipment Costs</b>	<b>36,850,000</b>	<b>31,715,226</b>	<b>2,349,951</b>	<b>3,504,000</b>	<b>69.00%</b>	<b>37,569,177</b>	<b>(719,177)</b>	<b>25,923,344</b>
Bond Cost	300,000	290,372		0	111.43%	290,372	9,628	323,547
<b>Subtotal Project Cost</b>	<b>51,594,000</b>	<b>45,103,605</b>	<b>3,341,381</b>	<b>7,038,570</b>	<b>64.33%</b>	<b>55,483,556</b>	<b>(3,889,556)</b>	<b>35,690,587</b>
<b>Additional Proceeds</b>	<b>4,875,000</b>					<b>(4,875,000)</b>	<b>4,875,000</b>	
<b>Adjusted Project Costs</b>	<b>56,469,000</b>	<b>45,103,605</b>	<b>3,341,381</b>	<b>7,038,570</b>	<b>64.33%</b>	<b>50,608,556</b>	<b>985,444</b>	
<b>Contingency</b>	<b>7,406,000</b>			<b>7,406,000</b>	<b>0.00%</b>	<b>7,406,000</b>	<b>0</b>	
<b>Total Project Cost</b>	<b>63,875,000</b>	<b>45,103,605</b>	<b>3,341,381</b>	<b>14,444,570</b>	<b>61.52%</b>	<b>58,014,556</b>	<b>985,444</b>	<b>35,690,586.55</b>

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

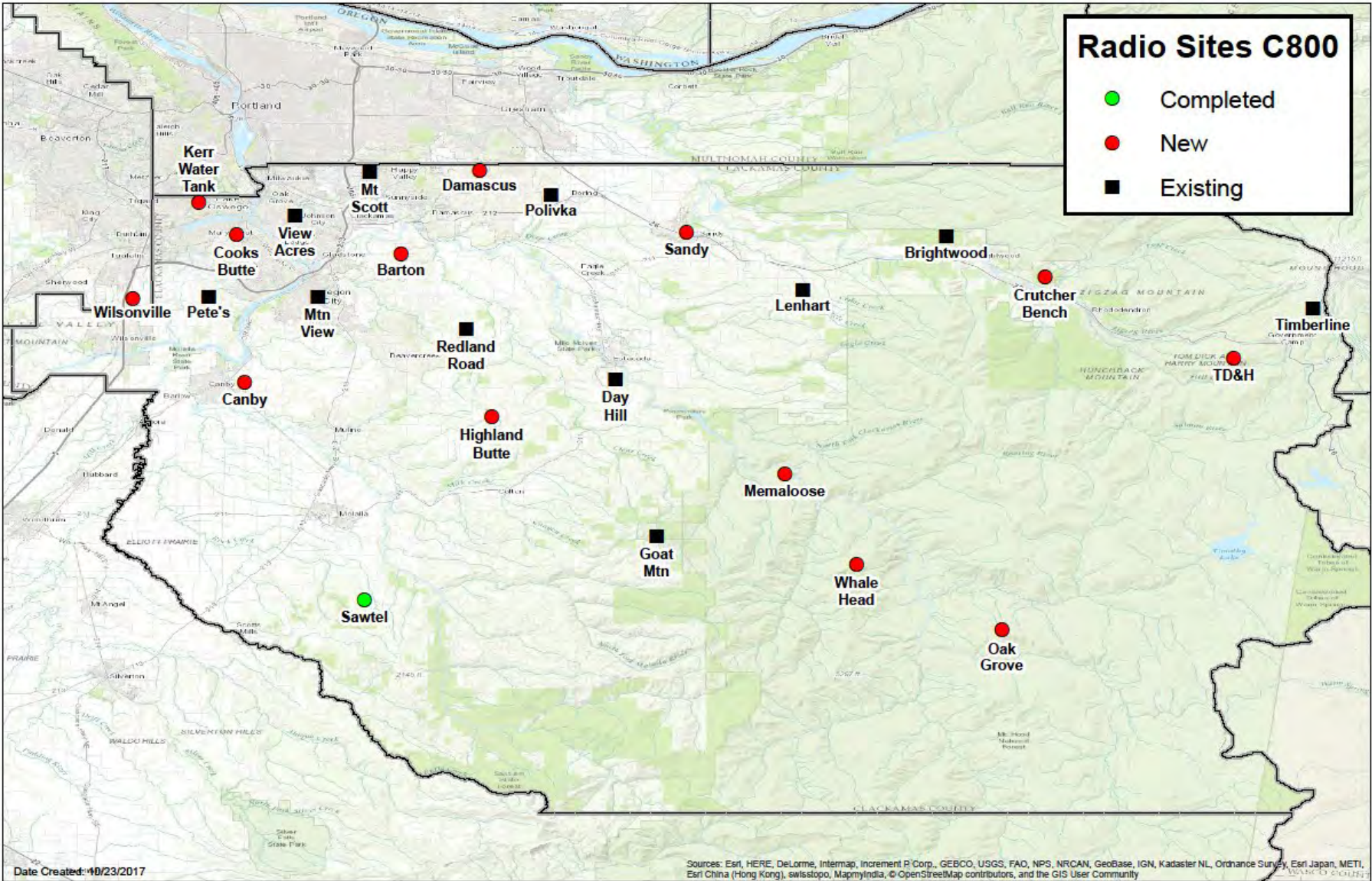
<b>Premium Bond Proceeds</b>	<b>7,165,794</b>
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# Q3 - 2019 Quarterly Outlook

	<b>C800</b>
<ul style="list-style-type: none"><li>• Procurement</li></ul>	<ul style="list-style-type: none"><li>• Bid and award asset management system</li><li>• Bid and award security/CCTV system</li></ul>
<ul style="list-style-type: none"><li>• Leases &amp; Land Use Applications</li></ul>	<ul style="list-style-type: none"><li>• Complete Cooks land use and submit for building permits</li><li>• Submit Wilsonville site for building permits</li></ul>
<ul style="list-style-type: none"><li>• Existing Site &amp; Building Upgrades</li></ul>	<ul style="list-style-type: none"><li>• Continue to construct civil work relating to shelter/generator foundation upgrades, doors, electrical, and related site compound renovations.</li><li>• Construct tower upgrades at existing sites</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>• Begin microwave system install</li><li>• Finalize subscriber radio distribution and existing radio upgrades</li></ul>



# C800 Site Locations



# Project Summary:

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

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









BARTON







Lenhart



• Canby







**11300 SE Fuller Rd  
Milwaukie, Oregon 97222  
(503) 780-4806  
C800.ORG**

## **Board of Directors Information**

**To:** C800 Board of Directors  
**From:** John Hartsock, Manager  
**Date:** June 19, 2019  
**Re:** Fire Station Alerting Project Organization Chart

**Information Item:** Attached is preliminary organization chart for the management of the fire station alerting portion of the radio system upgrade project. Please provide any comment or corrections.

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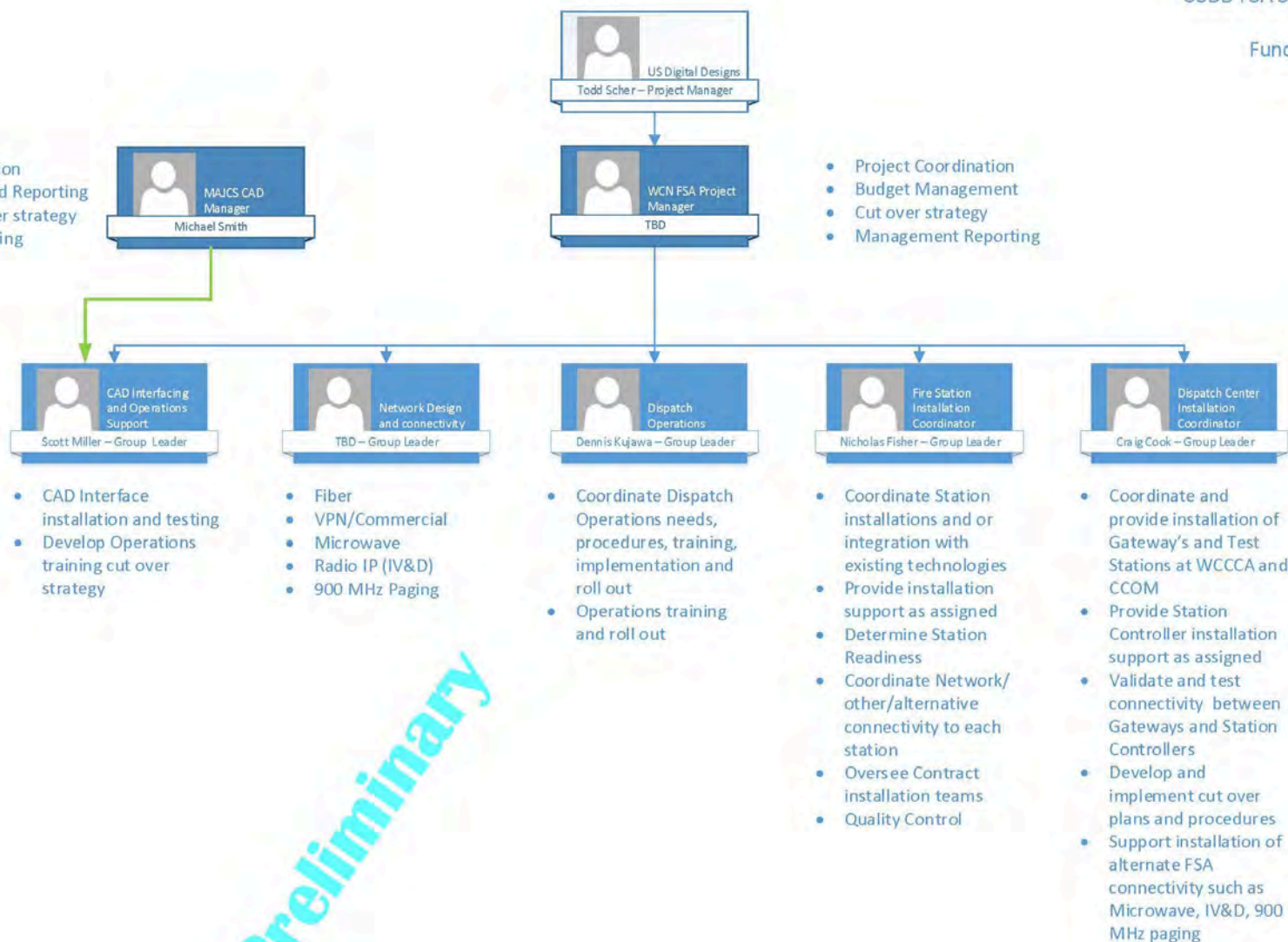




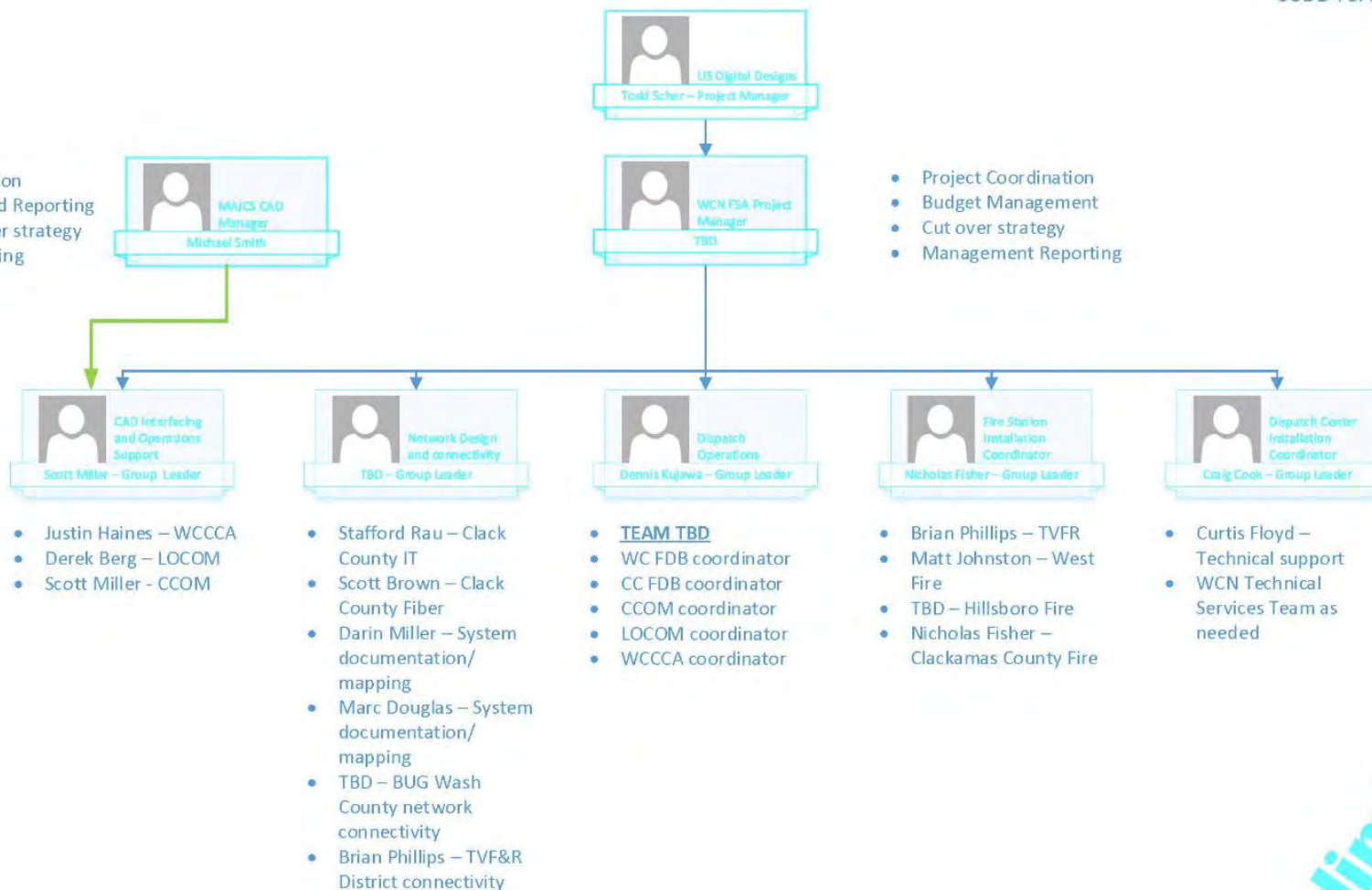
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## USDD FSA Systems Implementation Team Functional Org Chart

- MAJCS/CAD Integration
- Progress Tracking and Reporting
- System Wide Cut over strategy
- Management Reporting



- MAJCS/CAD Integration
- Progress Tracking and Reporting
- System Wide Cut over strategy
- Management Reporting



Preliminary







11300 SE Fuller Rd  
Milwaukie, Oregon 97222  
(503) 780-4806  
C800.ORG

## Board of Directors Action Request

**To:** C800 Board of Directors  
**From:** John Hartsock, Manager  
**Date:** June 19, 2019  
**Re:** Radio Purchase Stipend for Aurora Fire District

**REQUEST:** It is hereby requested that the C800 Board of Directors authorize C800 to provide Aurora Fire District a radio stipend of \$40,920 for the purchase of new digital radios for their operations.

**DESCRIPTION:** As a part of the communication system upgrade project a stipend to assist C800 agencies in purchasing required digital capable subscriber radios (portables/mobiles) was developed. In general terms the stipend was intended to cover approximately 50% or the cost of the radios the balance being paid by the respective agency. The stipend amount in the bond budget was \$5,000,000. To develop the per radio/agency value the number of radios on the system as of May 2016 was divided into the \$5M for a per radio value of \$2,727.77. The radio count includes all Partner agencies, Member agencies, and Mutual Aid agencies.

Aurora Fire, a mutual aid agency, is intending on purchasing 69 new digital radios to be able to maintain communications with Canby Fire / Molalla Fire / TVF&R. Further Aurora Fire is requesting to be dispatched by CCOM and if approved would also request to become a partner in C800. As of May 2016 Aurora Fire had 15 radios on the system and there by we budgeted a stipend of \$40,920 for them.

A concern was raised about utilizing Clackamas County Bond Funds to pay for equipment from another jurisdiction. There are two justifications for this request: 1) Aurora Fire performs many mutual aid calls into Clackamas County thus serving the citizens of the County at no additional cost to them. 2) Aurora Fire District has 13.6 square miles of its 64 square miles within Clackamas County or 21%. The 15 radios on the system is 21% of the 69 radios they intend on purchasing.

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

**LEGAL:** A memorandum of understanding will be utilized as approved by legal counsel.

**RECOMMENDATION:** It is hereby recommended that the C800 Board of Directors authorize C800 to provide Aurora Fire District a radio stipend of \$40,920 for the purchase of new digital radios for their operations.

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11300 SE Fuller Rd  
Milwaukie, Oregon 97222  
(503) 780-4806  
C800.ORG

## Board of Directors Action Request

**To:** C800 Board of Directors  
**From:** John Hartsock, Manager  
**Date:** June 19, 2019  
**Re:** Award of Construction Contract for the Hoodland-Brightwood Site.

**REQUEST:** It is hereby requested that the C800 Board of Directors authorize C800 to enter into a contract with Summit Construction Sisters, OR in the amount of \$321,329 to construct the communication site at Hoodland-Brightwood.

**DESCRIPTION:** As a part of the communication system upgrade project there is a site being added at Hoodland fire station in Brightwood. We prepared bid documents which were posted on ORPIN on May 13, 2019 for bids. Thirty firms downloaded the documents. On June 6, 2019 two firms submitted bid proposals ranging from \$321,329 to \$389,457. The project estimate was \$325,000. Both of the firms were qualified and presented the appropriate bid packages.

Summit is the firm that is constructing the Damascus, Canby, Sandy, Wilsonville sites and is performing to our expectations. We are pleased that they were the successful contractor.

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

**LEGAL:** A C800 construction contract will be utilized as approved by legal counsel.

**RECOMMENDATION:** It is hereby recommended that the C800 Board of Directors authorize C800 to enter into a contract with Summit Construction Sisters, OR in the amount of \$321,329 to construct the communication site at Hoodland-Brightwood.

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