CLACKAMAS C800 RADIO GROUP

BOARD OF DIRECTORS MEETING AGENDA

October 18, 2017 / 10:30AM

Meeting to be held at: CCOM - EOC 2200 Kaen Rd 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
 b. City of Gladstone h. City of West Linn
 c. City of Lake Oswego i. Canby 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 l. Estacada Fire District r. Clackamas County Health

m. Hoodland Fire District

n. Molalla Fire District

o. Sandy Fire District

- 3. *Approval of Minutes of: September 13, 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
 - c. Citizen Accountability John Hartsock
- 8. Old Business: (* Action Item)
 - a. System Management: Ron Polluconi
 - b. System Upgrade/Replacement
 - i. Project procurement John Hartsock
 - ii. Project Status John Hartsock
- 9. New Business: (* Action Item)
 - a. * Approval of Resolution 02-17 authorizing the use of Oregon LGIP for investment of C800's funds.
 - b. * Award of Contract to Alternate Power Systems for propane tank monitoring.
 - c. * Award of Contract for Replacement of the Crutcher Bench bridge
 - d. Next Board Meeting November 8, 2017 10:30A @ CCOM EOC
- 10. Open Agenda
- 11. Adjournment

CLACKAMAS C800 RADIO GROUP

Board of Directors Meeting

Meeting Minutes of the September 13, 2017 Board Meeting

Location: CCOM/EOC - 22200 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 Chair Captain James Rhodes.

2. The following were in attendance:

City of Canby / Chief Bret Smith Estacada Fire / Chief Bob Morrisey

City of Gladstone / Deputy Chief Randy Molalla Fire / Chief Vince Stafford – (Jim Davis Proxy)

Hopperstad / Lt Fryett Sandy Fire / Chief Phil Schneider

City of Lake Oswego /Capt Dale Jorgensen / TVFR / Chief Mark Havener

Leslie Taylor CCSO / Capt. James Rhodes

City of Milwaukie / Chief Steve Bartol / Capt

Clackamas County Public Health / Philip

Mark Dye

Mason
City of Molalla / Chief Rod Lucich

City of Oregon City / Chief Jim Band

Clackamas County / Laurel Butman / Brian

City of Sandy / Chief Ernie Roberts

Nava

City of West Linn / Mike Francis CCOM / Bob Cozzie / Cheryl Bledsoe

Canby Fire District / Chief Jim Davis

Motorola Solutions / Brad Steiner / Andrew

Clackamas Fire / Deputy Chief Ryan Hari / Chyterbok

Amanda Neelands C800/WCCCA / John Hartsock / Bjorn
Colton Fire / Chief Richard Beaudoin Morfin / Ron Polluconi

Colton Fire / Chief Richard Beaudoin

Morfin / Ron Polluconi

Skylands NA / Daniel Kearns

3. Approval of Minutes – August 9, 2017 Board Meeting: Jim Davis made a motion to approve the minutes as submitted and second was made by Jim Band. A unanimous vote was cast to approve the minutes.

4. **Public Comment**: None

5. Communications: None

6. Financial Report – John Hartsock: See handout. Nothing unusual to report and budget is on track.

7. Committee Reports:

- a. Executive Committee James Rhodes
 - i. Did not meet.
- b. Technical John Hartsock
 - i. Met to go over the status of ongoing preventative maintenance.
- c. Citizen Accountability Committee John Hartsock
 - i. Will meet on September 27th at 7pm in the Milwaukie Public Safety Community Meeting room.

8. Old Business:

- a. System Management
 - i. All infrastructure preventative maintenance work for winter is in progress.
 - ii. Finished up summer preventative maintenance.
 - iii. Experienced some fall out on amplifiers at a few sites, no longer able to get parts so we had to buy a few replacements.
 - iv. Overall, things are looking good coming into winter.
- b. System Upgrade/Replacement Ron Polluconi / John Hartsock
 - i. Project Procurement
 - 1. The Motorola contract is available for anyone who would like a copy.
 - 2. Working on completing bids for the first four sites.
 - 3. Our biggest struggle for site acquisition currently is working through the Forest Service process, but moving forward.
 - ii. Project Status
 - 1. See above.

9. New Business:

- a. *Award of Contract to Summit Solutions Group LLC for the construction of the Sandy, Canby, Damascus, Wilsonville sites.
 - i. A motion was made by Jim Band to approve the award to Summit Solutions Group and seconded by Bret Smith. A unanimous vote was cast to approve the award of contract to Summit Solutions LLC.
- b. *Award of Contract to Motorola Solutions for the design, furnishing, and installation of the P25 public safety radio system.
 - i. A motion was made by Jim Davis to approve the award to Motorola Solutions and seconded by Bret Smith. A unanimous vote was cast to approve the contract with Motorola Solutions for the P25 radio system.
- c. Next Board Meeting October 18, 2017 10:30am at CCOM/EOC
- 10. Open Agenda: None
- 11. Adjournment: Meeting was adjourned at 11:07 am by Chair Captain James Rhodes

PROJECT STATUS

Emergency Communication System Upgrade (ECSU)

C800 Project Leader: John Hartsock

WCCCA Project Leader: Ron Polluconi

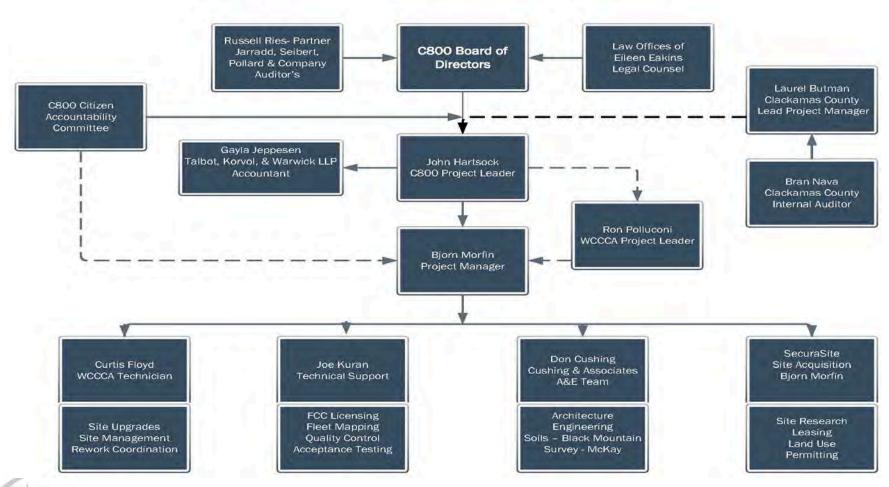
Project Manager: Ken Seymour – WCCCA/C800 Contractor

Date: October 1, 2017





C800 ECSU Project Team







Project Status Summary

	C800
New Site Acquisition & Design:	 Barton (Carver): Site Acquisition (SA) awaiting signed lease Cooks Butte / Kerr Parkway Water Tank: City is reviewing lease agreement Damascus: Building permit available – Construction has been awarded and to begin soon. Wilsonville: Land use approved. Drawings being submitted for building permit. Construction has been awarded. Sandy: Building permit available – Construction has been awarded and to begin soon. Canby: Building permit available – Construction has been awarded and to begin soon.





Project Status Summary

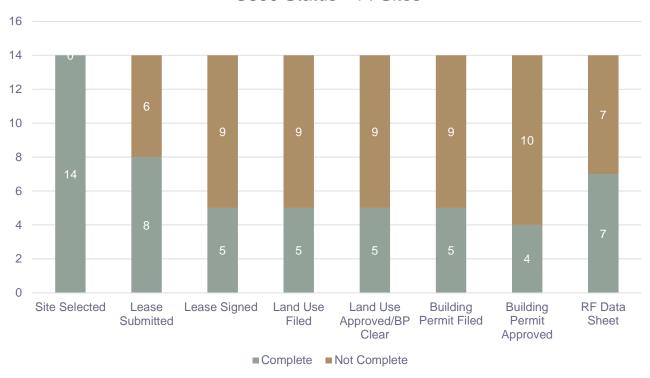
	C800
	Crutcher Bench (BLM): Awaiting BLM approval of NEPA work and lease approval
 New Site Acquisition & Design: 	Highland Butte (BLM): Awaiting BLM approval of NEPA work and lease approval
G. 2 33.g	 Tom Dick & Harry (USFS): NEPA work underway - awaiting USFS review.
	 Angel Falls (USFS) Changed to Memaloose: NEPA work underway - awaiting USFS review.
	Oak Grove Butte (USFS): NEPA work underway - awaiting USFS review
	 Whale Head (USFS): NEPA work underway - awaiting USFS review.
Existing Site Design	 Design Build Firm – Todd Hess Building Company - retained to complete design and construct the 13 existing sites. Planning work underway – construction anticipate in October.





Site Acquisition Status – C800



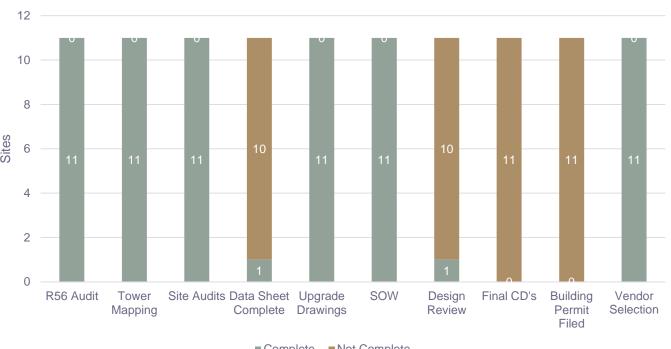






Site Upgrade Status – C800





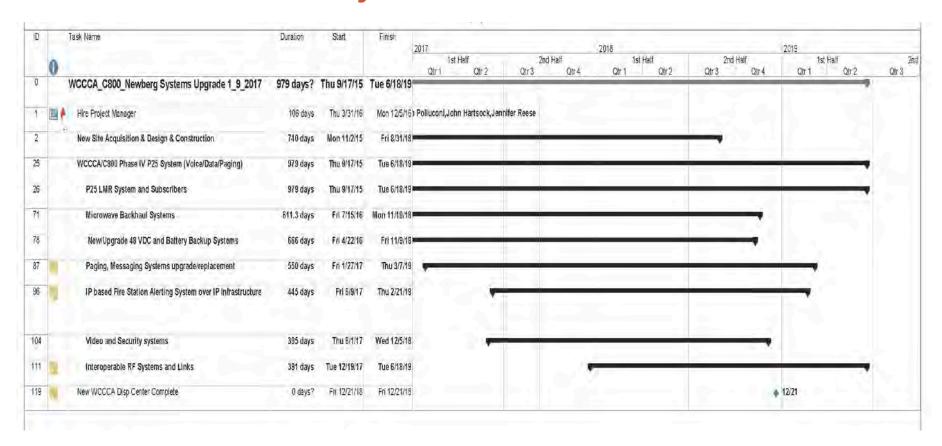
■ Complete ■ Not Complete





10/1/2017 **7**

Project Schedule





- New Site Design & Construction complete: August 2018
- Existing Sites Upgrade complete: June 2018
- System Operational Date: November 2019



C800 Radio System Upgrade Budget (1)

Project: C800 Radio System Upgrade
Date Original: 10/1/2015 Date Updated: Sept 30, 2017

Project Manager: Bjorn Morfin

ltem	Budget	Original Encumbrance	Additional Encumbrance / Change Order	Estimate to Complete	Percent Complete	Estimated Total	(Over) Under Budget	Expended
Soft Cost								
Site Acquisition Consulting - Quest	60,000	30,000	40,000	0	95.81%	70,000	(10,000)	67,069.81
Site Acquisition Consulting / Permits / Proj Mgmt - Securasite	320,000	268,500	50,000	0	57.63%	318,500	1,500	183,565.13
Site Planning A&E - Cushing	725,000	317,178	326,281	75,000	66.35%	718,459	6,541	476,706.79
Geotechnical+13:45 / Environmental Consulting - Black Mtn	200,000	89,100	61,082	50,000	52.90%	200,182	(182)	105,901.00
Survey - McKay	75,000	50,160		20,000	56.34%	70,160	4,840	39,530.00
USFS Land Use Fees	10,000	10,000		0	97.84%	10,000	0	9,783.81
Land Use Fees	25,000	268		20,000	41.34%	20,268	4,732	8,379.00
Plan Check / Permit Cost	60,000	3,000		57,000	9.59%	60,000	0	5,756.56
Printing	2,500			2,500	0.00%	2,500	0	0.00
Bid Advertising	3,500	60		3,400	12.85%	3,460	40	444.77
Materials Testing & Inspection	40,000	1,200	2,500	35,000	6.78%	38,700	1,300	2,623.75
Project Management	300,000	100,000		50,000	60.73%	150,000	150,000	91,094.10
Legal Fees	30,000	12,000	10,000	8,000	42.63%	30,000	0	12,787.60
Licensing	20,000			20,000	23.68%	20,000	0	4,735.00
Miscellaneous	30,000	6,800	2,000	4,000	57.90%	12,800	17,200	7,410.88
Sub-Total Soft Cost	1,901,000	888,266	491,863	344,900	58.89%	1,725,029	175,971	1,015,788
Construction Cost					1			
Site Construction	8,895,000	402,439		8,492,561	4.45%	8,895,000	0	395,409.59
Buildings	1,350,000	986,718		363,282	27.46%	1,350,000	0	370,756.60
Towers	660,000	511,282		148,718	27.08%	660,000	0	178,712.00
Generator	500,000	428,750		75,000	37.71%	503,750	(3,750)	189,970.00
48VDC	1,065,000			1,065,000	5.99%	1,065,000		63,816,00
Lake Oswego Antenna	18,000	17,500	0		100.07%	17,500	500	17,511.75
Existing Sites	100,000	6,400	_	93,600	6.40%	100,000	0	6,400.00
Sub-Total Construction Cost	12,588,000	2,353,089	0	10,238,161	9.71%	12,591,250	(3,250)	1,222,575.94

C800 Radio System Upgrade Budget (2)

Project: Date Original: C800 Radio System Upgrade

10/1/2015

Date Updated: Sept 30, 2017

Project Manager:

Bjorn Morfin

ltem	Budget	Original Encumbrance	Additional Encumbrance / Change Order	Estimate to Complete	Percent Complete	Estimated Total	(Over) Under Budget	Expended
Equipment Costs								
Equipment Costs	20,726,000	040 574 500 00		1,000,000	15.71%	20.571.566	454 424	3,231,985.75
Simulcast Equipment	in Simulcast	\$19,571,566.00		1,000,000	15,71%	20,571,596	154,434	0.00
Master Site Equipment						0		
Console	in Simulcast			0		0		0.00
Back up Dispatch	in Simulcast			1,200,000	0.00%	1,200,000		0.00
Spares	1,200,000			-74-50-60-60-60-60-60-60-60-60-60-60-60-60-60		-100000	0	0.00
Paging	373,000	2 454 504	2542025	373,000	0.00%	373,000	0	0.00
Subscriber Radios	5,000,000	2,151,904	8,542,935	(5,694,840)	107,76%	4,999,999	1	5,387,881.5
Unified Push to Talk	in Simuloast			188,000	0.00%	188,000		0.00
Asset Management	119,000			119,000	0.00%	119,000	0	0.00
Post Warranty / System Refresh	5,800,000			0	100.00%	5,812,085	(12,085)	5,812,058.44
Test Equipment	100,000			100,000	0.00%	100,000	0	0.00
Microwave	3,368,000	717-541-17		2,961,831	14.47%	3,368,000	0	487,448.0
Security System	1,364,000			1,364,000	0.08%	1,364,000	0	1,079,9
Subtotal Equipment Costs	38,050,000	27,941,724	8,542,935	1,610,991	39.17%	38,095,650	142,350	14,920,454
Bond Cost	300,000	290,372		0	100.00%	290,372	9,628	290,372
Subtotal Project Cost	52,839,000	31,473,451	9,034,798	12,194,052	33.11%	52,702,301	324,699	17,449,190
Contingency	6,161,027			6,161,027	0.00%	6,161,027	0	
Total Project Cost	59,000,027	31,473,451	9,034,798	18,355,079	29.64%	58,863,329	324,699	17,449,189.64

Premium

7,165,794

Bond Proceeds	5,845,000 Taxable	_
	53,155,000 Non Taxable	
in the second se	59,000,000	

10/1/2017 **10**

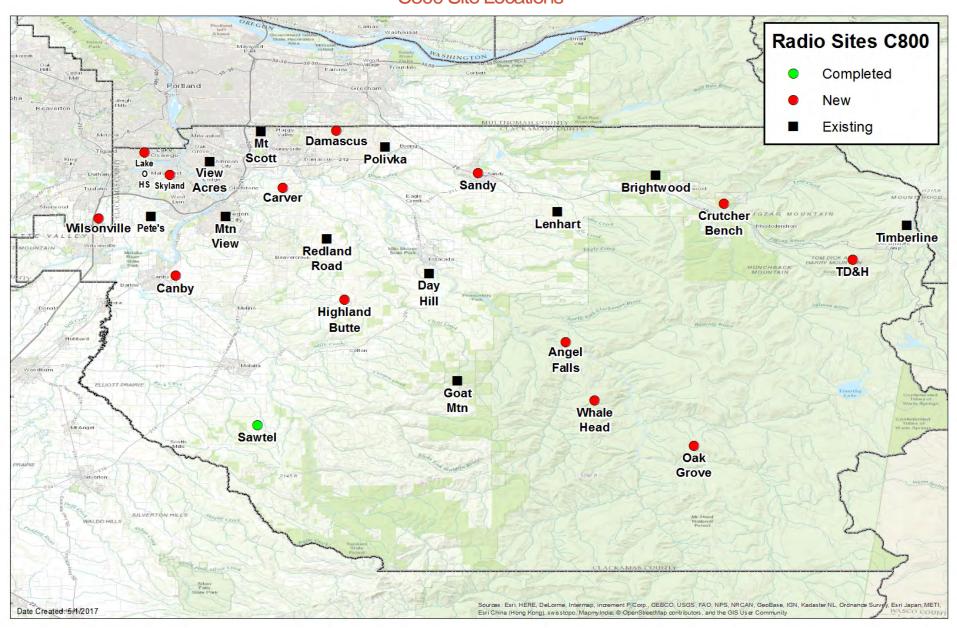
Q4'17 Quarterly Outlook

	C800
Procurement	Receive shelters for Sandy, Canby, Damascus, and Wilsonville sites
	Proceed with site plans on Cooks Butte and Lake Oswego Water Tank location
 Leases & Land Use Applications 	 Expect approval of Highland Butte & Crutcher's Bench BLM applications > move forward with Geotech and soils tests
	Obtain lease and start design on Barton site
Existing Site & Building Upgrades	Proceed with upgrade plans for civil work relating to shelter/generator foundation upgrades, doors, Electrical, and related site compound renovations. Obtain pricing for work.





Appendix C C800 Site Locations



What's Happening With the Communications Upgrade Project? September 27, 2017

The Clackamas County Board of Commissioners on behalf of Clackamas 800 Radio Group (C800) referred a Capital Construction Bond Measure to replace the countywide emergency radio communications system to the voters in the May 2016 election. The measure received a 71% approval.

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





When the public calls 9-1-1 for help, Clackamas County's emergency communications dispatchers utilize the C800 radio system to dispatch all fire/rescue, law enforcement, and ambulance providers countywide. Although the current system built in 2000 has worked for decades, manufacturers no longer make key parts and the communications towers are not designed to withstand the earthquakes predicted for Oregon.

The project includes:

- * Converting the emergency radio system to current digital technology;
- Expand coverage to county areas that currently have none by adding 6 communication sites;
- * Improve in-building coverage, so radios can function within hospitals, schools, and other large structures by adding 7 communication sites;
- ❖ Improve reliability during major disasters in part by improving 13 existing communication sites;
- * Replace approximately 1000 analog radios countywide;

The Partnership:

Clackamas 800 Radio Group partnered with Washington County Consolidated Communications Agency (WCCCA) for the development of the existing system 20 years ago, and now the new system. This has been a very successful partnership producing economies of scale, operating efficiencies, and an excellent level of service for both counties public safety providers, residents, and businesses.

The City of Newberg has joined the partnership – WCCCA / C800 / City of Newberg or WCN.





What's happened since the May 2016 voter approval:

- Preliminary system design continued
- Site acquisition efforts were commenced with four of the new sites leased / two BLM and four USFS sites under consideration through the Federal Government land use process / two sites under discussion with the City of Lake Oswego / one site with lease negotiations being finalized.
- * The bonds to provide funding were sold in December of 2016
- * A citizen oversight advisory committee has been established and meets quarterly
- Site designs completed for four sites three of which have been permitted for construction and one in the process
- **Communications** buildings for the 13 new sites have been competitively bid and awarded.
- * Communications towers for the 13 new sites have been competitively bid and awarded.
- Contract for the design and upgrades to the 13 existing sites has been competitively advertised and awarded
- * Contract for the construction of four of the new sites has been competitively advertised and awarded
- * A Request for Qualifications for the radio equipment has been developed / issued and responded to / and a vendor determined that being Motorola Solutions, Inc
- * A contract for the radio equipment was negotiated with Motorola Solutions and approved in September.
- Motorola Solutions, per their commitment, has demonstrated to the C800 Board that the pricing received was equal to or better than that provided to adjacent jurisdictions including: City of Portland / CRESA / City of Salem.





CLACKAMAS 800 RADIO GROUP

Radio Site Locations - Site Lease Cost

October 18,2017

1	Carver	12,000.00
2	Skyland	11,000.00
3	Damascus	14,000.00
4	Wilsonville	12,000.00
5	Mt Scott	0.00
6	Mt View Water Tank	0.00
7	Petes Mountain	16,150.00
8	Polivka	6,722.00
9	Sandy	12,000.00
10	View Acres	25,000.00
11	Brightwood	0.00
12	Crutcher	0.00
13	Tom Dick & Harry	0.00
14	Lindhart	0.00
15	Timberline	9,000.00
16	Canby	12,000.00
17	Day Hill	16,000.00
18	Highland	0.00
19	Redland Rd	13,178.00
20	Angel Falls	0.00
21	Oak Grove	0.00
22	Whalehead	0.00
23	Goat Mountain	24,947.00
24	Sawtell	0.00
25	LO#2	0.00
26	Canterbury	In WCCCA Cost
	Total	\$ 183,997.00



11300 SE Fuller Rd Milwaukie, Oregon 97222 (503) 780-4806 C800.0RG

Board of Directors Action Request

To: C800 Board of Directors

From: John Hartsock, Manager

Date: October 18, 2017

Re: Approval of Resolution 02-17 to Utilize LGIP for Investments

REQUEST: It is hereby requested that the C800 Board of Directors approve Resolution 02-17 authorizing the use of the Local Government Investment Pool (LGIP) for investing excess funds.

ISSUE: C800 utilizes Clackamas County Bank for our checking account. This account does not pay interest. C800 maintains a balance of approximately \$200,000 during most of the year.

Staff is recommending that we invest the excess funds over a minimum balance of \$5,000 that we have on hand in LGIP. LGIP is authorized by the State Treasure for investment of local government funds. LGIP is currently paying an interest of 1.45% daily.

FINANCE: Provides for interest payment on funds.

LEGAL: LGIP is a state authorized depository for investment of local government funds.

RECOMMENDATION: It is recommended that the C800 Board of Directors approve Resolution 02-17 authorizing the use of the Local Government Investment Pool (LGIP) for investing excess funds.

RESOLUTION 02-17

October 18, 2017

BE IT RESOLVED that the Board of Directors of the Clackamas 800 Radio Group hereby approves the use of Oregon Local Government Investment Pool (LGIP) for the investment of funds.

	approved and declared adopted this 18 th day of
October 2018.	
	Captain James Rhodes, Chair



11300 SE Fuller Rd Milwaukie, Oregon 97222 (503) 780-4806 C800.0RG

Board of Directors Action Request

To: C800 Board of Directors

From: John Hartsock, Manager

Date: October 18, 2017

Re: Issue a Purchase Order to Alternative Power Systems for LP Tank Monitoring

REQUEST: It is hereby requested that the C800 Board of Directors approve issuing a purchase order in the amount of \$64,080 to Alternative Power Systems for the furnishing and provisioning of remote LP tank monitoring systems.

ISSUE: It is critical to assure that there is adequate LP fuel at the communications sites to operate the emergency generators. The current practice has been to check fuel levels as part of technician visits. C800/WCCCA staff have determined that with the increase in the number communication sites a more automated system should be utilized to assure that the information is current.

Staff researched various solutions to this issue and located a device made specifically for this purpose. One of the systems was procured and installed at the Sawtell site as a test case. Results have met our expectations and we recommend that the units be installed at all sites.

On August 1, 2017 WCCCA staff issued a solicitation for quotations to provide and provision these units at C800's new and existing sites as a part of the Bond project. Three firms, Ferrell Gas / Blue Star Gas / Alternative Power Systems expressed interest. Only one proposal was received from Alternative Power Systems.

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

LEGAL: A C800 Purchase Order will be utilized as approved by legal counsel.

RECOMMENDATION: It is recommended that the C800 Board of Directors approve issuing a purchase order in the amount of \$64,080 to Alternative Power Systems for the furnishing and provisioning of remote LP tank monitoring systems.