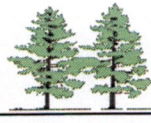
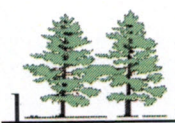


6a



REGULAR MINUTES

Wednesday, December 18, 2019

ACTION MINUTES

1. CALL TO ORDER: The meeting was called to order by Chairman Raymond at 6:00 p.m.

2. ROLL CALL:

- Director Roscoe Raymond
- Director Anita Ebbinghausen
- Director Patrick Henry
- Director Richard Miller
- Director Karla Christensen

Candi Bingham, General Manager
 Gisele Wurzburger, Board Clerk -Via Phone

3. PLEDGE OF ALLEGIANCE: Chairman Raymond led the Pledge of Allegiance.

4. AGENDA:

Board Clerk Wurzburger noted for the record the January 2020 Board meeting has been changed from January 15 to January 22 as noted on the current Agenda. Also added Agenda 9 Adopt Resolution Reciting the Fact of the General Municipal Election of November 8, 2019.

Motion by Board Member Henry, seconded by Vice-Chair Ebbinghausen, and carried by a 5 to 0 vote to approve the Regular Agenda dated December 18, 2019 as amended. Motion passed by the following vote:

- AYES:** Christensen, Ebbinghausen, Henry, Miller, Raymond
- NOES:** None
- ABSTAIN:** None
- ABSENT:** None

5. PUBLIC COMMENT FOR MATTERS NOT ON THE AGENDA:

None.

6. MINUTES: Discussion / Approval.

A. November 20, 2019 Regular Meeting.

Motion by Board Member Henry, seconded by Chairman Raymond, and carried by a 5 to 0 vote to approve the Minutes dated November 20, 2019 as amended. Motion passed by the following vote:

- AYES:** Christensen, Ebbinghausen, Henry, Miller, Raymond
- NOES:** None
- ABSTAIN:** None
- ABSENT:** None

7. CONSENT ITEMS:

- a. Monthly Financial Statements - Period Ending November 30, 2019.
- b. Expenditure Report - Submitted Check Approval through November 30, 2019.

Chairman Raymond opened the public discussion. Hearing no comments from the public, Chairman Raymond closed the public discussion.

Motion by Board Member Henry, seconded by Chairman Raymond, and carried by a 5 to 0 vote to approve the Consent Items - Period Ending November 30, 2019. Motion passed by the following vote:

AYES: Christensen, Ebbinghausen, Henry, Miller, Raymond
NOES: None
ABSTAIN: None
ABSENT: None

8. MONTHLY OPERATIONS REPORT: Discussion. Any matter requiring action will be placed on an upcoming agenda for consideration.

A. Monthly Operations Report.

The report included updates from AWA staff, construction, wastewater and water – see report for complete details for Regulatory Compliance Specialist, Wastewater, Water, Distribution and Electrical.

November 1 thru November 30, 2019 Water Production/Sold Information:

Well 2 - 494,800 gallons	Total Produced – 906,759 gallons
Well 3R – 380,700 gallons	Total Sold – 546,275 gallons
Well 6R - 31,259 gallons	Unaccounted Loss - 40%

November 1 thru November 30, 2019 Wastewater Production:

Influent flow: 1,084,500 gallons Effluent Discharged: 554,900 gallons

Chairman Raymond opened the public discussion. Hearing no comments from the public, Chairman Raymond closed the public discussion.

B. Monthly General Manager Report.

The Monthly General Manager Report included updates from the General Manager – see report for complete details.

General Manager Bingham reported there is a problem with the Scada License and requested this item be placed on the next agenda either in a Closed Session or Regular meeting for discussion and possible action.

General Manager Bingham reported there is a problem with the generator and relay switch at the eastside lift station and requested this item be placed on the next agenda for discussion and possible action.

General Manager Bingham reported she would be at the office December 16 through 21.

Chairman Raymond opened the public discussion. Hearing no comments from the public, Chairman Raymond closed the public discussion.

9. BOARD MATTERS: Discussion/Action.

a. Election Declaration - Adopt Resolution, Reciting the Facts of the General Municipal Election.

General Manager Bingham provided the Amador County Board of Supervisor's Resolution 19-149 accepting the canvass of results of votes at the consolidated General Election held on November 5, 2019.

Board Clerk Wurzburger reported tonight's action is to also adopt River Pines Public Utility District's Resolution 2019- Reciting the Fact of the General Municipal Election of November 8, 2019.

Motion by Board Member Miller, seconded by Board Member Henry, and carried by a 4 to 1 vote to approve Resolution 2019- Reciting the Fact of General Municipal Election Held on November 8, 2019, Declaring the Results of Such other Maters as Provide by Law. Motion passed by the following vote:

AYES: Christensen, Ebbinghausen, Henry, Raymond
NOES: Miller
ABSTAIN: None
ABSENT: None

b. Swearing In and Seating of New Board Members to new four year terms.

Board Clerk Wurzburger sworn in newly elected Board Members John L. Chapman and Anita M. Ebbinghausen. New sworn in Board Members took their seats on the dais.

c. Appoint Chairman and Vice-Chairman. Discussion/Action.

Motion by Vice Chairman Ebbinghausen, seconded by Chairman Raymond, and carried by a 4 to 0 vote to Nominate Patrick Henry as Chairman. Motion passed by the following vote:

AYES: Chapman, Christensen, Ebbinghausen, Raymond
NOES: None
ABSTAIN: Henry
ABSENT: None

Motion by Chairman Henry, seconded by Board Member Raymond, and carried by a 4 to 0 vote to Nominate Karla Christensen as Vice-Chairman. Motion passed by the following vote:

AYES: Chapman, Ebbinghausen, Henry, Raymond
NOES: None
ABSTAIN: Christensen
ABSENT: None

d. Well 6R – Maintenance and Repair. Discussion/Action.

No written report was submitted on this item. General Manager Bingham provided an email from Joel Mottishaw, Amador Water Agency dated October 30, 2019 regarding Well 6R – Maintenance and Repair. General Manager Bingham explained that item 2 of this email was not address at the November's meeting. The matter was regarding the Hach turbidimeter which is damage and needs to be replaced before they can operate the facility in auto without an operator present. Which would be at a cost of approximately \$3,000.

Chairman Henry opened the public discussion. Hearing no comments from the public, Chairman Henry closed the public discussion.

Motion by Chairman Henry, seconded by Board Member Raymond, and carried by a 5 to 0 vote to Research the Purchase of a used Turbidimeter in a timely manner. If this purchase cannot be completed, Staff was directed to purchase a new Turbidimeter. Motion passed by the following vote:

AYES: Chapman, Christensen, Ebbinghausen, Henry, Raymond
NOES: None
ABSTAIN: None
ABSENT: None

e. Water Leak Policy. Discussion/Action.

No written report was submitted on this item. After consideration discuss staff was directed to place this item on the next agenda for discussion and action. No action taken.

f. Universal Garbage Service. Discussion/Action.

No written report was submitted on this item. Board Member Raymond reported he had been contacted by the Amador County Environmental Heath Department regarding a Universal Garbage Service.

Board Member Ebbinghausen stated River Pines Public Utility provides Water and Sewer and that garbage issue was a County issue. She requested more information be presented for discussion.

Board Clerk Wurzburger noted Garbage Service would require a Proposition 218 Public Hearing proceeding.

After consideration discussion Board Member Raymond stated he would follow up on this item. Staff was directed to place this item on the next agenda for discussion and action. No action taken.

g. District Card – Discussion/Action.

No written report was submitted on this item. After consideration discuss staff was directed to place this item on the next agenda for discussion and action.

No action taken.

h. Local Hazard Mitigation Plan Update. Discussion only.

No written report was submitted on this item. Board Member Raymond informed Chairman Henry that the next Local Hazard Mitigation Plan meeting was scheduled for January 28. Chairman Henry stated he would take over this item and attend the meetings.

After consideration discuss staff was directed to place this item on the next agenda for discussion and action. No action taken.

i. Water Increase – 5 Year Plan. Discussion/Action.

General Manager Bingham provided the Notice of Intended Water and Water Usage Rate Change draft notice for Board review and approval.

Board Member Chapman stated he was against a water rate increase.

Board Clerk Wurzburger explained prior to being Board Member Chapman being elected to the Board, the Board at the November meeting passed a motion to select the seven (7) percent five (5) year Water Rate Increase and directed staff to start the Proposition 218 process. Tonight's item was to present the draft Notice

of Intent which outlines the water rates, water usage rates, reason for the rate increase, basis for rate increase and the Public Hearing Notice date.

Chairman Henry opened the public discussion. Hearing no comments from the public, Chairman Henry closed the public discussion.

Motion by Board Member Raymond, seconded by Board Member Ebbinghausen, and carried by a 5 to 0 vote to approve the Notice of Intent and directed staff to mail the notice with a revised Water Usage Rates per month from seven (7) tiers to a five (5) tiers with 9,000 gallons – 999,000 gallons per month usage. Motion passed by the following vote:

AYES: Chapman, Christensen, Ebbinghausen, Henry, Raymond
NOES: None
ABSTAIN: None
ABSENT: None

10. BOARD OF DIRECTORS COMMENTS/REPORTS: Discussion Only.

A. Capital Improvements and general repairs necessary at the District. Continued Item.

No action taken.

11. COMMITTEE COMMENTS/REPORTS: Continued Item.

- a. Solar Panel Committee. Discussion/Possible Action.
- b. Water Rights Committee. Discussion/Possible Action.

No action taken.

12. FUTURE AGENDA TOPICS:

- a. Water Leak Policy. Discussion/Action.
- b. Scada Issue. Discussion/Action/
- c. District Card. Discussion/Action.
- d. Universal Garage Service. Discussion.
- e. Local Hazard Mitigation Plan Update. Discussion only.
- f. Eastside Lift Station - New Generator and Relay Switch. Discussion/Action.

13. ADJOURNMENT: The meeting adjourned at 7:24 p.m.

Respectively submitted,
Gisele Wurzburger, Board Clerk

River Pines Public Utility District
Profit & Loss by Class
 December 2019

Ta

	Sewer	Water	TOTAL
Ordinary Income/Expense			
Income			
Amador County Auditor's Warrant			
HO & Timber Tax	25.91	0.00	25.91
Total Amador County Auditor's Warrant	25.91	0.00	25.91
Base Fee Income			
Maintenance Fees	350.00	350.00	700.00
Sewer	16,006.55	0.00	16,006.55
Voluntary Lock-Off	157.50	157.50	315.00
Water	0.00	12,619.42	12,619.42
Total Base Fee Income	16,514.05	13,126.92	29,640.97
Interest Income	0.00	0.42	0.42
Town Hall Rental	10.00	10.00	20.00
Variable Income			
Door Hanger Fee	0.00	80.00	80.00
Late Fees	440.75	440.74	881.49
Service Connection Fee	32.86	32.89	65.75
Water - Usage	0.00	1,688.42	1,688.42
Total Variable Income	473.61	2,242.05	2,715.66
Total Income	17,023.57	15,379.39	32,402.96
Gross Profit	17,023.57	15,379.39	32,402.96
Expense			
Bank Charges			
60400 - Bank Service Charges	5.00	5.00	10.00
Total Bank Charges	5.00	5.00	10.00
Board Members			
Stipends	225.00	225.00	450.00
Total Board Members	225.00	225.00	450.00
Contracted Expenses			
Board Clerk	150.00	150.00	300.00
Manager	2,416.66	2,416.68	4,833.34
Total Contracted Expenses	2,566.66	2,566.68	5,133.34
Sewer Expenses			
Amador Water Agency			
After Hour On-Call	244.00	0.00	244.00
Emergency Call-Out	4,268.91	0.00	4,268.91
Mandated State Reporting	174.71	0.00	174.71
Operation Repairs	137.92	0.00	137.92
Routine Service	1,281.71	0.00	1,281.71
Total Amador Water Agency	6,107.25	0.00	6,107.25
Electricity - Sewer	2,306.33	0.00	2,306.33
Sewer - Parts/Supplies	84.14	0.00	84.14
Telephone - Sewer	128.80	0.00	128.80
Testing - Sewer	214.40	0.00	214.40
Total Sewer Expenses	8,840.92	0.00	8,840.92
Town Hall Expenses			
Janitorial	60.00	60.00	120.00
Total Town Hall Expenses	60.00	60.00	120.00
Water/Distribution Expenses			
Amador Water Agency			
After Hour On-Call	0.00	488.00	488.00

River Pines Public Utility District
Profit & Loss by Class
December 2019

	Sewer	Water	TOTAL
Customer Service	0.00	108.32	108.32
Emergency Call-Out	0.00	438.71	438.71
Meter Reading	0.00	295.93	295.93
Routine Service	0.00	1,538.09	1,538.09
Total Amador Water Agency	0.00	2,869.05	2,869.05
Certification Fees	0.00	365.20	365.20
Electricity - Water	0.00	398.01	398.01
Parts/Supplies	0.00	817.75	817.75
Telephone - Water	0.00	141.63	141.63
Water Testing	0.00	350.00	350.00
Total Water/Distribution Expenses	0.00	4,941.64	4,941.64
64900 · Office Expenses			
Postage/Shipping	7.34	7.36	14.70
Software	38.49	38.50	76.99
Supplies	174.34	174.35	348.69
Website Service	25.00	25.00	50.00
Total 64900 · Office Expenses	245.17	245.21	490.38
68600 · Utilities			
Disposal	45.83	45.83	91.66
Electricity - Street Lights	57.63	57.63	115.26
Propane	1,042.08	0.00	1,042.08
68100 · Telephone - Office	31.43	31.43	62.86
Total 68600 · Utilities	1,176.97	134.89	1,311.86
Total Expense	13,119.72	8,178.42	21,298.14
Net Ordinary Income	3,903.85	7,200.97	11,104.82
Other Income/Expense			
Other Income			
Misc. Income	325.00	325.00	650.00
Wireless Site Lease	250.00	250.00	500.00
Total Other Income	575.00	575.00	1,150.00
Other Expense			
Monitor Wells - Sewer	5,737.50	0.00	5,737.50
Total Other Expense	5,737.50	0.00	5,737.50
Net Other Income	-5,162.50	575.00	-4,587.50
Net Income	-1,258.65	7,775.97	6,517.32

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River Pines Public Utility District

Account QuickReport-Board Meetings

As of December 31, 2019

Type	Date	Num	Name	Memo	Amount	Balance
Bank Accounts						14,094.81
EI Dorado Checking						14,094.81
Check	12/01/2019	debit	Candi Bingham	Deposit	-2,416.67	11,678.14
Deposit	12/02/2019			Deposit	3,973.21	15,651.35
Check	12/02/2019	eft	Google Services	District Email	183.79	15,835.14
Deposit	12/03/2019			Deposit	-36.00	15,799.14
Deposit	12/03/2019			Deposit	397.02	16,196.16
Check	12/03/2019	debit	USPS	Postage	331.73	16,527.89
Deposit	12/03/2019			Postage	-7.35	16,520.54
Deposit	12/05/2019			Deposit	951.38	17,471.92
Deposit	12/06/2019			Deposit	653.13	18,125.05
Deposit	12/09/2019			Deposit	380.92	18,505.97
Deposit	12/10/2019			Deposit	211.43	18,717.40
Deposit	12/10/2019			Deposit	1,301.75	20,019.15
Check	12/10/2019	eft	Adobe PDF	Deposit	-14.99	20,004.16
Deposit	12/10/2019			Deposit	460.84	20,465.00
Deposit	12/11/2019			Deposit	448.61	20,913.61
Deposit	12/12/2019			Deposit	3,085.06	23,998.67
Deposit	12/12/2019			Deposit	692.03	24,690.70
Check	12/13/2019	debit	USPS	Postage	-7.35	24,683.35
Deposit	12/13/2019			Deposit	170.99	24,854.34
Check	12/15/2019	debit	Candi Bingham	Deposit	-2,416.67	22,437.67
Deposit	12/16/2019			Deposit	6,901.31	29,338.98
Deposit	12/16/2019			Deposit	148.66	29,487.64
Deposit	12/17/2019			Deposit	54.32	29,541.96
Deposit	12/17/2019			Deposit	323.82	29,865.78
Deposit	12/17/2019			Deposit	443.37	30,309.15
Deposit	12/17/2019			Deposit	-128.80	30,180.35
Check	12/18/2019	debit	AT&T - Sewer	209 245-3984 701 9	-91.66	30,088.69
Bill Pmt -Check	12/18/2019	13373	Aces Waste Servic...	1175	-9,179.11	20,909.58
Bill Pmt -Check	12/18/2019	13374	Amador Water Age...	30018	-1,042.08	19,867.50
Bill Pmt -Check	12/18/2019	13375	Amerigas	Invoice Totals : 230,18;377.72;1,...	-120.00	19,747.50
Bill Pmt -Check	12/18/2019	13376	Angelica Hernandez	Town Hall - December 2019	-75.00	19,672.50
Bill Pmt -Check	12/18/2019	13377	Anita Ebbinghausen	Stipend - December 2019	-141.63	19,530.87
Bill Pmt -Check	12/18/2019	13378	AT&T - Water	209 245-4011 722 0	-890.00	18,640.87
Bill Pmt -Check	12/18/2019	13379	California Bank & T...	1030264749	-300.00	18,340.87
Bill Pmt -Check	12/18/2019	13380	Gisele L. Wurzburger	Board Clerk - December 2019	-75.00	18,265.87
Bill Pmt -Check	12/18/2019	13381	John Chapman	Stipend - December 2019	-75.00	18,190.87
Bill Pmt -Check	12/18/2019	13382	Karla Christensen	Stipend - December 2019	-75.00	18,115.87
Bill Pmt -Check	12/18/2019	13383	Patrick Henry	Stipend - December 2019	-75.00	18,040.87
Bill Pmt -Check	12/18/2019	13384	Richard Miller	Stipend - December 2019	-75.00	17,965.87
Bill Pmt -Check	12/18/2019	13385	Rocky Raymond	Stipend - December 2019	-348.69	17,617.18
Bill Pmt -Check	12/18/2019	13386	Staples	Toner Cartridges	-365.20	17,251.98
Bill Pmt -Check	12/18/2019	13387	SWRCB Fees	Invoice No. SM-1023118; Syste...	-486.00	16,765.98
Bill Pmt -Check	12/18/2019	13388	california Laborator...	Testing for November 2019	-115.26	16,650.72
Check	12/18/2019	debit	PG&E - Street Lights	7368064062-7	-398.01	16,252.71
Check	12/18/2019	debit	PG&E - Water 2	2458584137-2	-2,306.33	13,946.38
Check	12/18/2019	debit	PG&E - Sewer	8721806002-5	-26.00	13,920.38
Check	12/18/2019	debit	Database Systems ...	Deposit	-50.00	13,870.38
Check	12/18/2019	debit	Digital Deployment	Website		

River Pines Public Utility District
Account QuickReport-Board Meetings
 As of December 31, 2019

Type	Date	Num	Name	Memo	Amount	Balance
Deposit	12/18/2019			Deposit	300.80	14,171.18
Deposit	12/19/2019			Deposit	111.69	14,282.87
Deposit	12/20/2019			Deposit	1,044.55	15,327.42
Deposit	12/20/2019			Deposit	7,127.28	22,454.70
Deposit	12/20/2019			Deposit	397.95	22,852.65
Deposit	12/20/2019			Deposit	53.63	22,906.28
Check	12/23/2019	debit	Ebay	Turbidimeter - Well 6R	-777.48	22,128.80
Check	12/23/2019	eft	Eldorado Savings B...	NSF	-10.00	22,118.80
Deposit	12/23/2019			Deposit	47.72	22,166.52
Check	12/24/2019	eft	RingCentral	Office Phone	-62.86	22,103.66
Deposit	12/24/2019			Deposit	342.73	22,446.39
Deposit	12/24/2019			Deposit	148.45	22,594.84
Deposit	12/24/2019			Deposit	2,082.79	24,677.63
Deposit	12/30/2019			Deposit	350.51	25,028.14
Deposit	12/31/2019			Interest	0.42	25,028.56
Deposit	12/31/2019			Deposit	160.00	25,188.56
Deposit	12/31/2019			Deposit	200.00	25,388.56
Deposit	12/31/2019			Deposit	97.00	25,485.56
Total El Dorado Checking					11,390.75	25,485.56
Total Bank Accounts					11,390.75	25,485.56
TOTAL					11,390.75	25,485.56

River Pines Dept. Report

December 1 – December 31, 2019

Water Production/Sold

Well 2: 471,500 gallons	Total Produced: 936,247 gallons
Well 3R: 423,400 gallons	Total Sold: 439,302 gallons
Well 6R: 41,347 gallons	Unaccounted Loss: 53%

Regulatory Compliance Specialist-

- Monthly reporting for water and wastewater, including No Spill report on CIWQS
- Continued to work on access for CIWQS reporting
- Working Hazardous Materials Business Plan

Wastewater-

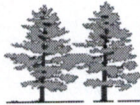
- Influent flow 1,208,600 gallons. Effluent Discharged 624,000 gallons.
- Continued to monitor collection system
- Weekly lift station monitoring
- Replaced a grinder pump assembly
- Repaired a broken sprinkler in field 3 at the wastewater plant
- Continued to exercise generators at Horseshoe and Slate Creek. The rented generator is still at East Side, a technician should be out in the second week of January to assess the issues with the existing generator.

Water-

- Completed all regulatory sampling.

Prepared by: Andrea Petretti, Administrative Assistant II

Reviewed by: Rick Ferriera, Operations Manager



River Pines Public Utility District

22900 Canyon Ave., PO BOX 70, River Pines, CA 95675
Phone: (209) 245-6723 Fax: (209) 245-5710 Email: RPPUD@RPPUD.org



AGENDA ITEM – 8B

GENERAL MANAGER’S REPORT

For the Month of December 2019/January 2020

1. Rented generator is still being used at eastside lift station. Generac specialist showed for repairs. Agenda Item.
2. Scheduled Cleaning and Inspection for Jaybird tank. It is required that tanks be cleaned and inspected every two years. Has been over 3 years. Approximate cost is \$2,875.
3. Chlorine mixer tank broke at Well 2/3R last month. AWA bypassed tank as a fix. As of right now, tank is not needed or required. No replacement is scheduled. This also contributed to the huge water loss. Building was flooded and it took a few minutes to turn water off remotely. Needed to wait for alarm and then AWA logged in and disarmed Well 2. They were on site within 30 minutes to access and repair.
4. Ordered turbidimeter for Well 6R. Found on eBay for \$799. Turbidimeter was new, however, once it was delivered it did not work. Has since been returned for a full refund. Looking for a new replacement.
5. Oak tree completely fell at slow sand filter. CalFire Youth pulled from river and cut up. Still needs to be cleaned up and removed.
6. Received letter from State Water Resources Control Board regarding distribution project. Letter was submitted to California State Historic Preservation. Letter does not affect project or funding. FYI only.
7. Bank Deposits
8. Monthly Billing & Monthly Late Notices
9. Monthly 48 Hour Notices
10. Updated Website
11. Agenda & Packets

Will be in the River Pines Office – January 20 – 23.

AQUADYNE

ASSOCIATES

710 C Street, Suite 200 • San Rafael, CA 94901
415/460-6393 • Fax: 415/460-6395

9a

January 17, 2020

River Pines Community Service District
22900 Canyon Avenue
River Pines, CA 95675

Attn: Candi Bingham

Attached is our budgetary proposal for equipment and services for the subject project based on your email exchange with Jeremy Drinkwine starting 11/15/19.

For this budgetary proposal, Primex will supply Quantity Eight (8) HRC1000 RTUs with cellular modems utilizing the Verizon cellular network. Primex cannot guarantee adequate cellular service capabilities without investigation of the proposed RTU sites. Note that, as quoted, each RTU will have the following I/O capacity: 12 Discrete Inputs, 6 Discrete Outputs, and 4 Analog Inputs (Note: Extra I/O could result in additional RTU cost and iControl service fees).

Primex will supply iControl programming to provide the end user a web hosted iControl SCADA web site with system screens and monitoring of system data.

Web hosted iControl SCADA System will have the following functionality:

- Secure, Remote Access from any Internet-enabled PC
 - Use existing desktop, laptop or notebook from office, home or mobile
- Dynamic Process Graphics
 - Equipment Status (on/off, open/closed, alarm)
 - Statistics and Trend Screens (Levels, Flows, Starts, Run-Times, etc)
- Status Monitoring
 - Equipment (H-O-A, Open/Close, etc.)
 - Set-Points (Start-Stop, Lead-Lag, Alarm Points, etc.)
- Alarm Management
 - Enable/Disable Alarm
 - Call Rosters
 - Remote Acknowledgement
 - Full Log / History
- Data and Reporting
 - Graphical Tending of all Analogs
 - Basic Reports - Starts, Run Times, Flows

BILL OF MATERIALS

1. RTUs, 115 VAC Input Power – Quantity Eight (8) Identical

- A. UL Type 4X Non-Metallic Enclosure
 - 1. Wall Mountable
- B. TVSS Module
- C. Control Power Circuit Breaker
- D. Heater with Thermostat
- E. DC Power Supply
- F. Battery Backup
 - 1. 10 Amp Hour Gel cell Battery
- G. Micro-VPAC IIT Controller
 - 1. 3.5" Grey Scale Touchscreen Display
 - 2. Twelve (12) Discrete Inputs
 - 3. Six (6) Discrete Outputs
 - 4. Four (4) Analog Inputs
- H. Cellular Modem with Panel Mount Antenna

2. SCADA

- A. Primex Programming Services to supply iControl programming and setup

3. Services

- A. Engineering
- B. Drafting
- C. Documentation
- D. Startup (One Day, One Trip Onsite)
- E. Warranty
- F. Freight (FOB Shipping Point)

iControl service fees

iControl subscription fees are for monitoring the above system utilizing cellular communication is \$40.00 per month PER SITE. Invoices are sent quarterly in advance. The monthly subscription fee is based on a 3 year commitment and may not increase more the 3% per year during the 3 year period. iControl can be purchased in advance by multiplying the monthly fee by the number of prepayment months. **A separate Master Service Agreement will be supplied to address iControl service fees.**

Equipment Budget Price: \$67,000

Start-up Services: \$1,500 per day

Est. Sales Tax: \$5,193

Est. Freight: Included

Please let me know if you have any questions.

Sincerely,

Alex Ambrosi

Aquadyne Associates

(415) 460-6393

www.aquadyneassociates.com

Items specifically not included in this proposal

1. Cellular Service Assurances
2. Instrumentation (Level Sensors can be provided, Budget \$1,500 per unit)
3. Installation of equipment and job site labor
4. Mounting of any control panels or hardware

9b



Discover it® Business Card

[See Rates & Fees](#)

⊖ Good to Excellent
Credit Recommended (670-850) ?

Apply Now

at Discover's Secure Site

Rewards Rate

1.5% Earn 1.5% cash back on every dollar spent on all purchases.

THIS CARD IS BEST FOR

✓ Cash back match at the end of your first year

Annual Fee - \$0

APR - 14.49-22.49% Variable



Bottom Line

With a competitive flat rate on purchases and the unique Discover cash back match at the end of your first year, this card is worth a look.

Intro Bonus

Cashback Match™ ?

Featured Business Card

Ink Business UnlimitedSM Credit Card

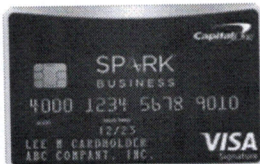
Regular APR

14.49% - 22.49% variable

Apply Now



LIMITED TIME OFFER



Capital One® Spark® Cash for Business

★★★★★ 1,100 Reviews

⊙ Good to Excellent

Credit Recommended (670-850) ?

Apply Now

at Capital One's Secure Site

Rewards Rate

2% Earn unlimited 2% cash back for your business on every purchase, everywhere, no limits or category restrictions.

*\$ annual fee 1st year
\$95/yr. thereafter*

THIS CARD IS BEST FOR

Unlimited cash back rewards

APR - 18.49% (Variable)



Bottom Line

Even with the annual fee of \$95 (waived the first year), this card's unlimited cash back and sign-up bonus reward mightily.

Intro Bonus

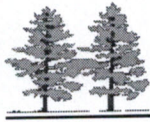
CreditCards.com uses cookies to provide you with a great experience and enables you to enjoy all the functionality of the site.
Annual Fee

\$95 waived first year

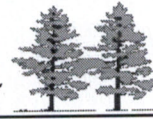
\$2000 ⊙

> [Cookie Preferences](#)

Accept Cookies



RIVER PINES PUBLIC UTILITY DISTRICT



9d

MEETING DATE: January 22, 2020
FROM: Candi Bingham, General Manager
SUBJECT: Agenda Item 9d
AGENDA TYPE: Regular Meeting
ATTACHMENTS: Yes

BACKGROUND: The generator at eastside lift station stopped working in November of 2019 during a power outage. AWA had to rent a generator in Sacramento in order to keep the lift station operating. AWA tried to assess the problem with the generator but had no luck. They made an appointment with a Generac specialist in December, but they could not get an appointment before mid-January. There is still a rental on site.

In early 2019, this generator went out and the District paid approximately \$2,700 to repair. The rental is costing the District approximately \$1,200 a month. For the Generac specialist to assess the generator it cost the District another \$250.

REPAIR INFORMATION: Lead time for a new regulator is approximately 3 weeks.

Cost:

Regulator: \$645.00 + freight.

Diodes: Approx. 50

Labor: Approx. \$400 (incl. travel)

Parts: Approx. \$60

Sales Tax

RECOMMENDATION: With the ongoing cost to the District, I recommend the District buy a new generator. This generator was purchased in the early 1980's and has lived past its use life.

BUDGET IMPACT: The following:

REPAIR: Approximately: \$1,170.50 plus an additional rental fee of \$1,200.

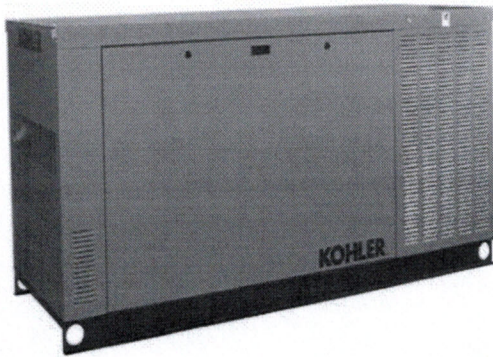
NEW: Approximately: \$10,500 (incl. battery & OnCue Plus) plus freight \$600.

Model: **24RCL**

KOHLER Power Systems

Multi-Fuel
Natural Gas/LPG

9001
KOHLER
POWER SYSTEMS
NATIONALLY REGISTERED



→ **Standard Features**

- Kohler Co. provides one-source responsibility for the generating system and accessories.
- The generator set and its components are prototype-tested, factory-built, and production-tested.
- The generator set accepts rated load in one step.
- A standard five-year or 2000 hour limited warranty covers all systems and components.
- Quick-ship (QS) models with selected features are available. See your Kohler distributor for details.
- RDC2 Controller
 - One digital controller manages both the generator set and transfer switch functions (with optional Model RXT transfer switch).
 - Designed for today's most sophisticated electronics.
 - Electronic speed control responds quickly to varying household demand.
 - Digital voltage regulation protects your valuable electronics from harmonic distortion and unstable power quality.
 - Two-line, backlit LCD screen is easy to read in all lighting conditions, including direct sunlight and low light.
- Engine Features
 - Powerful and reliable 2.2 L liquid-cooled engine
 - Electronic engine management system.
 - Simple field conversion between natural gas and LPG fuels while maintaining emission certification.
- Innovative Cooling System
 - Electronically controlled fan speeds minimize generator set sound signature.
- Certifications
 - The 60 Hz generator set engine is certified by the Environmental Protection Agency (EPA) to conform to the New Source Performance Standard (NSPS) for stationary spark-ignited emissions.
 - UL 2200/cUL listing is available (60 Hz only).
 - CSA certification is available (60 Hz only).
 - Accepted by the Massachusetts Board of Registration of Plumbers and Gas Fitters.
- Approved for stationary standby applications in locations served by a reliable utility source.

The Kohler® Advantage

- **High Quality Power**
Kohler home generators provide advanced voltage and frequency regulation along with ultra-low levels of harmonic distortion for excellent generator power quality to protect your valuable electronics.
- **Extraordinary Reliability**
Kohler is known for extraordinary reliability and performance and backs that up with a premium five-year or 2000 hour limited warranty.
- **All-Aluminum Sound Enclosure**
- **Quiet Operation**
Kohler home generators provide quiet, neighborhood-friendly performance.

Generator Set Ratings

Alternator	Voltage	Ph	Hz	Standby Ratings			
				Natural Gas		LPG	
				kW/kVA	Amps	kW/kVA	Amps
4E5.0	120/240	1	60	21/21	87	24/24	100
	120/208	3	60	21/26	73	23/28	80
	127/220	3	60	21/26	69	23/28	75
	120/240	3	60	21/26	63	23/28	69
4D5.0	277/480	3	60	21/26	32	23/28	35
	220/380*	3	50	16/20	30	17/22	33
	230/400	3	50	16/21	30	18/23	33
	240/416*	3	50	16/21	29	18/23	32

* 50 Hz models are factory-connected as 230/400 volts. Field-adjustable to 220/380 or 240/416 volts by an authorized service technician.

RATINGS: All three-phase units are rated at 0.8 power factor. All single-phase units are rated at 1.0 power factor. Due to manufacturing variations, the ratings tolerance is ±5%. Standby Ratings: Standby ratings apply to installations served by a reliable utility source. The standby rating is applicable to varying loads with an average load factor of 80% for the duration of a power outage. No overload capacity is specified for this rating. Ratings are in accordance with ISO-3046/1, BS 5514, AS 2789, and DIN 6271. GENERAL GUIDELINES FOR DERATING: Altitude: Derate 1.3% per 100 m (328 ft.) elevation above 200 m (656 ft.). Temperature: Derate 3.0% per 10°C (18°F) temperature above 25°C (77°F). Availability is subject to change without notice. The generator set manufacturer reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever. Contact your local Kohler generator distributor for availability.

Alternator Specifications

Specifications	Alternator
Manufacturer	Kohler
Type	4-Pole, Rotating Field
Exciter type	Brushless, Wound-Field
Leads: quantity, type	4, 120/240
4E5.0	12, Reconnectable
4D5.0	Solid State, Volts/Hz
Voltage regulator	NEMA MG1
Insulation:	Class H
Material	130°C, Standby
Temperature rise	1, Sealed
Bearing: quantity, type	Flexible Disc
Coupling	±1.0% Maximum
Voltage regulation, no-load to full-load	100% of Rated Standby
Unbalanced load capability	Current
One-step load acceptance	100% of Rating
Peak motor starting kVA:	(35% dip for voltages below)
240 V	4E5.0 (4 lead)
480 V, 400 V	4D5.0 (12 lead)
	37 (60 Hz)
	59 (60 Hz) 44 (50 Hz)

- NEMA MG1, IEEE, and ANSI standards compliance for temperature rise and motor starting.
- Sustained short-circuit current of up to 300% of the rated current for up to 10 seconds.
- Sustained short-circuit current enabling downstream circuit breakers to trip without collapsing the alternator field.
- Self-ventilated and drip-proof construction.
- Windings are vacuum-impregnated with epoxy varnish for dependability and long life.
- Superior voltage waveform from a two-thirds pitch stator and skewed rotor.
- Total harmonic distortion (THD) from no load to full load with a linear load is less than 5%.

Application Data

Engine

Engine Specifications	60 Hz	50 Hz
Manufacturer	Kohler	
Engine: model, type	Residential Powertrain KG2204, 2.2 L, 4-Cycle Natural Aspiration	
Cylinder arrangement	In-line 4	
Displacement, L (cu. in.)	2.2 (134.25)	
Bore and stroke, mm (in.)	91 x 86 (3.5 x 3.4)	
Compression ratio	10.5:1	
Piston speed, m/min. (ft./min.)	310 (1016)	258 (847)
Main bearings: quantity, type	5, plain alloy steel	
Rated rpm	1800	1500
Max. power at rated rpm, kW (HP)		
LPG	30 (40)	NA
Natural Gas	27 (36)	NA
Cylinder head material	Cast Iron	
Piston type and material	High Silicon Aluminum	
Crankshaft material	Nodular Iron	
Valve (exhaust) material	Forged Steel	
Governor type	Electronic	
Frequency regulation, no-load to full-load	Isochronous	
Frequency regulation, steady state	±1.0%	
Frequency	Fixed	
Air cleaner type	Dry	

Exhaust

Exhaust System	60 Hz	50 Hz
Exhaust manifold type	Dry	
Exhaust temperature at rated kW, dry exhaust, °C (°F)	633 (1171)	
Maximum allowable back pressure, kPa (in. Hg)	7.5 (2.2)	

Fuel

Fuel System	Nat. Gas	LP Gas
Fuel type	Natural Gas or LPG	
Fuel supply line inlet	1 in. NPT	
Natural gas fuel supply pressure, kPa (in. H ₂ O)	1.24-2.74 (5-11)	
LPG vapor withdrawal fuel supply pressure, kPa (in. H ₂ O)	1.24-2.74 (5-11)	
Fuel Composition Limits *	Nat. Gas	LP Gas
Methane, % by volume	90 min.	—
Ethane, % by volume	4.0 max.	—
Propane, % by volume	1.0 max.	85 min.
Propene, % by volume	0.1 max.	5.0 max.
C ₄ and higher, % by volume	0.3 max.	2.5 max.
Sulfur, ppm mass	25 max.	
Lower heating value, MJ/m ³ (Btu/ft ³), min.	33.2 (890)	84.2 (2260)

* Fuels with other compositions may be acceptable. If your fuel is outside the listed specifications, contact your local distributor for further analysis and advice.

Engine Electrical

Engine Electrical System	
Ignition system	Electronic
Battery charging alternator:	
Ground (negative/positive)	Negative
Volts (DC)	14
Ampere rating	90
Starter motor rated voltage (DC)	12
Battery, recommended rating for -18°C (0°F):	
Qty., cold cranking amps (CCA)	One, 630
Battery voltage (DC)	12
Battery group size	24

Lubrication

Lubricating System	Full Pressure
Type	4.2 (4.4)
Oil pan capacity, L (qt.)	3.3 (3.5)
Oil added during oil change (on average), L (qt.)	1, Cartridge
Oil filter: quantity, type	

Application Data

Cooling

Radiator System	60 Hz	50 Hz
Ambient temperature, °C (°F)	45 (113)	
Engine jacket water capacity, L (gal.)	2.65 (0.7)	
Radiator system capacity, including engine, L (gal.)	13.2 (3.5)	
Water pump type	Centrifugal	
Fan diameter, mm (in.)	qty. 3 @ 406 (16)	
Fan power requirements (powered by engine battery charging alternator)	12VDC, 18 amps each	

Operation Requirements

Air Requirements	60 Hz	50 Hz
Radiator-cooled cooling air, m ³ /min. (scfm) [†]	51 (1800)	51 (1800)
Combustion air, m ³ /min. (cfm)	1.4 (49)	1.2 (42)
Air over engine, m ³ /min. (cfm)	25 (900)	25 (900)

[†] Air density = 1.20 kg/m³ (0.075 lbm/ft³)

Fuel Consumption[‡]

Natural Gas, m ³ /hr. (cfh) at % load	60 Hz	50 Hz
100%	8.5 (301)	7.8 (275)
75%	6.3 (223)	6.4 (225)
50%	5.6 (199)	5.4 (192)
25%	4.0 (140)	3.3 (116)
Exercise	2.8 (97)	2.9 (103)

LP Gas, m ³ /hr. (cfh) at % load	60 Hz	50 Hz
100%	3.2 (113)	2.7 (96)
75%	2.8 (97)	2.3 (81)
50%	2.4 (84)	2.0 (72)
25%	1.8 (63)	1.7 (60)
Exercise	1.4 (51)	1.4 (48)

[‡] Nominal Fuel Rating: Natural gas, 37 MJ/m³ (1000 Btu/ft³)
LP Vapor, 93 MJ/m³ (2500 Btu/ft³)

LP vapor conversion factors:

8.58 ft.³ = 1 lb.
0.535 m³ = 1 kg.
36.39 ft.³ = 1 gal.

Sound Enclosure Features

- Sound-attenuating enclosure uses acoustic insulation that meets UL 94 HF1 flammability classification and repels moisture absorption.
- Internally mounted critical silencer.
- Skid-mounted, aluminum construction with two removable access panels.
- Fade-, scratch-, and corrosion-resistant Kohler® cashmere powder-baked finish.

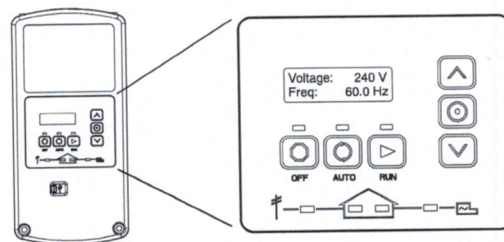
Sound Data

Model 24RCL 8 point logarithmic average sound levels are 54 dB(A) during weekly engine exercise and 61 dB(A) during full-speed generator diagnostics and normal operation. For comparison to competitor ratings, the lowest point sound levels are 52 dB(A) and 60 dB(A) respectively.*

All sound levels are measured at 7 meters with no load.

* Lowest of 8 points measured around the generator. Sound levels at other points around generator may vary depending on installation parameters.

RDC2 Controller



The RDC2 controller provides integrated control for the generator set, Kohler® Model RXT transfer switch, programmable interface module (PIM), and load management.

The RDC2 controller's 2-line LCD screen displays status messages and system settings that are clear and easy to read, even in direct sunlight or low light.

RDC2 Controller Features

- Membrane keypad
 - OFF, AUTO, and RUN push buttons
 - Select and arrow buttons for access to system configuration and adjustment menus
- LED indicators for OFF, AUTO, and RUN modes
- LED indicators for utility power and generator set source availability and ATS position (Model RXT transfer switch required)
- LCD screen
 - Two lines x 16 characters per line
 - Backlit display with adjustable contrast for excellent visibility in all lighting conditions
- Scrolling system status display
 - Generator set status
 - Voltage and frequency
 - Engine temperature
 - Oil pressure
 - Battery voltage
 - Engine runtime hours
- Date and time displays
- Smart engine cooldown senses engine temperature
- Digital isochronous governor to maintain steady-state speed at all loads
- Digital voltage regulation: ± 1.0% RMS no-load to full-load
- Automatic start with programmed cranking cycle
- Programmable exerciser can be set to start automatically on any future day and time, and to run every week or every two weeks
- Exercise modes
 - Unloaded exercise with complete system diagnostics
 - Unloaded full-speed exercise
 - Loaded full-speed exercise (Model RXT ATS required)
- Front-access mini USB connector for SiteTech™ connection
- Integral Ethernet connector for Kohler® OnCue® Plus
- Built-in 2.5 amp battery charger
- Remote two-wire start/stop capability for optional connection of a Model RDT transfer switch

See additional controller features on the next page.

Additional RDC2 Controller Features

- Diagnostic messages
 - Displays diagnostic messages for the engine, generator, Model RXT transfer switch, programmable interface module (PIM), and load management device
 - Over 70 diagnostic messages can be displayed
- Maintenance reminders
- System settings
 - System voltage, frequency, and phase
 - Voltage adjustment
 - Measurement system, English or metric
- ATS status (Model RXT ATS required)
 - Source availability
 - ATS position (normal/utility or emergency/generator)
 - Source voltage and frequency
- ATS control (Model RXT ATS required)
 - Source voltage and frequency settings
 - Engine start time delay
 - Transfer time delays
 - Fixed pickup and dropout settings
 - Voltage calibration
- Programmable interface module (PIM) status displays
 - Input status (active/inactive)
 - Output status (active/inactive)
- Load control menus
 - Load status
 - Test function

Generator Set Standard Features

- Aluminum sound enclosure with enclosed silencer
- Battery rack and cables
- Electronic, isochronous governor
- Flexible fuel line
- Gas fuel system (includes fuel mixer, electronic secondary gas regulator, two gas solenoid valves, and flexible fuel line between the engine and the skid-mounted fuel system components)
- Integral vibration isolation
- Line circuit breaker
- Oil drain extension
- OnCue® Plus Generator Management System
- Operation and installation literature
- RDC2 controller with built-in battery charger
- Standard five-year or 2000 hour limited warranty

Available Options

Approvals and Listings

- UL 2200/cUL Listing (60 Hz only)
- CSA Approval (60 Hz only)

Controller Accessories

- Programmable Interface Module (PIM) (provides 2 digital inputs and 6 relay outputs)

Electrical System

- Battery
- Battery Heater

Available Options, Continued

Starting Aids

- Oil Pan Heater, 120 V, 1 Ph
- Oil Pan Heater, 240 V, 1 Ph

Recommended for ambient temperatures below 0°C (32°F).

Automatic Transfer Switches and Accessories

- Model RDT Automatic Transfer Switch
- Model RXT Automatic Transfer Switch
- Model RXT Automatic Transfer Switch with Combined Interface/Load Management Board
- Load Shed Kit for RDT or RXT
- Power Relay Modules (use up to 4 relay modules for each load management device)

Miscellaneous

- Rated Power Factor Testing

Literature

- General Maintenance Literature Kit
- Overhaul Literature Kit
- Production Literature Kit

Warranty

- Extended 5-Year/2000 Hour Comprehensive Limited Warranty

Other Options

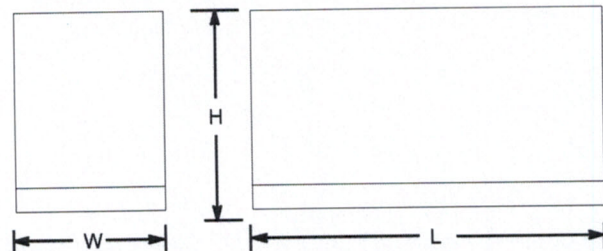
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Dimensions and Weights

Overall Size, L x W x H, mm (in.): 1880 x 836 x 1169
(74 x 32.9 x 46.0)

Shipping Weight, wet, kg (lb.): 572 (1260)

Weight includes generator set with engine fluids, sound enclosure, silencer, and packaging.



NOTE: This drawing is provided for reference only and should not be used for planning installation. Contact your local distributor for more detailed information.

DISTRIBUTED BY:

Residential/Light Commercial Generator Accessories

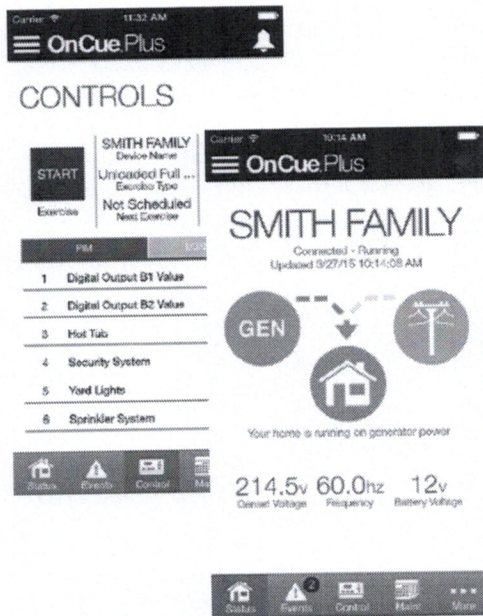
KOHLER Power Systems

Kohler® OnCue® Plus Generator Management System

ISO 9001
KOHLER
POWER SYSTEMS
NATIONALLY REGISTERED



OnCue Plus Web Application Status View



OnCue Plus Mobile Device App Views

Applicable Models

Use OnCue Plus to monitor and control Kohler Residential and Light Commercial generator sets equipped with the following controllers:

- RDC2 or DC2 Controller
- RDC or DC Controller
- VSC Controller (6VSG variable-speed DC generator set)

OnCue Plus Features

- Use a computer and/or mobile device to monitor your Kohler power system from any location in the world with Internet access.
- OnCue Plus apps for iPhone®, iPad® and Android™ devices are available on the App StoreSM and Google Play™.
- Demo button allows you to preview OnCue Plus screens and operation without creating an account or logging in.
- Simple activation: Enter the generator set serial number, controller password, and activation code into OnCue Plus just once for each generator. Then monitor your power system from your computer and/or mobile devices.
- Monitor your complete Kohler power system, including the generator, RXT automatic transfer switch, Load Control Module (LCM), and Programmable Interface Module (PIM).
- Control home automation when the generator set is paired with a Programmable Interface Module (PIM). Remote control features:
 - Remotely turn appliances, outdoor lighting, storm shutters, or other electrical equipment on or off.
 - The generator does not need to be running in order to use OnCue Plus for remote control of circuits connected to the PIM.
- Monitor your home's power consumption for full power management control at your finger tips. *
- Monitor multiple generator sets. Generator selection panel lists multiple generator systems on one account and allows for the easy selection of each system for detailed monitoring and control.
- View time- and date-stamped event history listing generator set starting and stopping, faults, and notifications. (RDC2)
- Receive alerts by email, text message, or push notification on your mobile device or PC. Customize messages by selecting the events that will prompt a notification to be sent to each recipient.
- Start and stop generator exercises from your computer or mobile device.
- Clear faults from a remote location.
- Controller password and generator set serial number protect against access by unauthorized users.
- All Ethernet communication is authenticated and encrypted for privacy.

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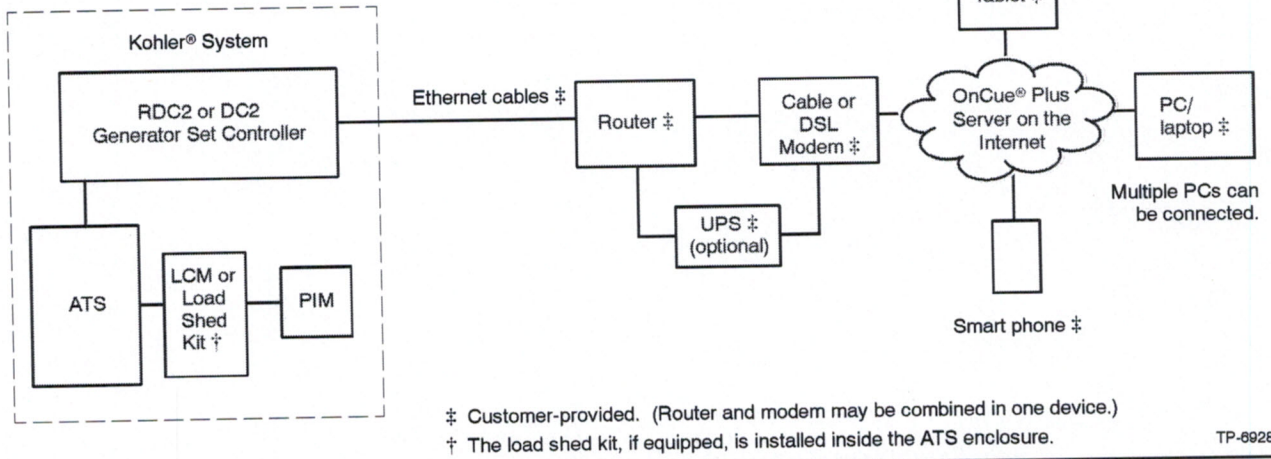
Android and Google Play are trademarks of Google Inc.

* Total power and percent of rated power can be displayed for these generator set models: 10RESV, 12RESV, 38RCL, two 14RESAs paralleled using the Kohler® PowerSync™ Automatic Paralleling Module (APM), or two 20RESAs or 20RESBs paralleled using the APM.

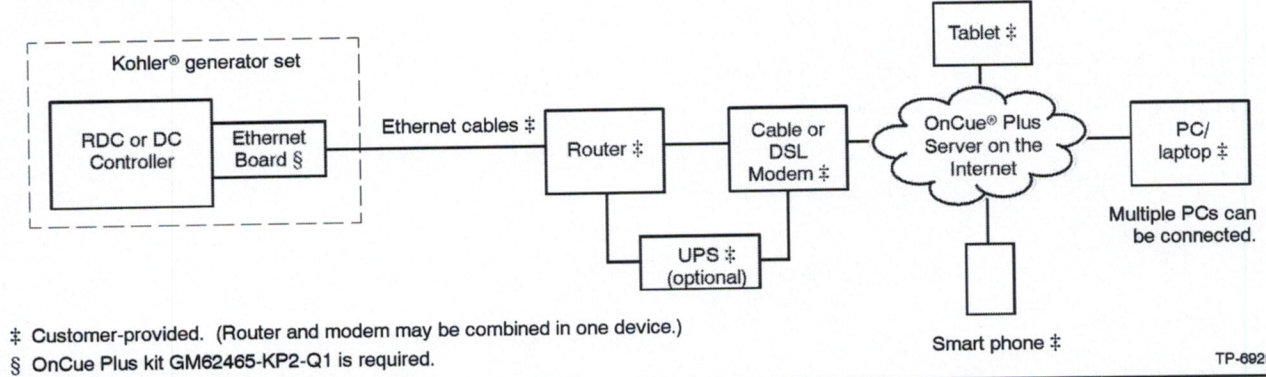
Note: Views shown in this document are samples. Actual views may vary based on customer application and OnCue Plus program updates.

Typical Connections

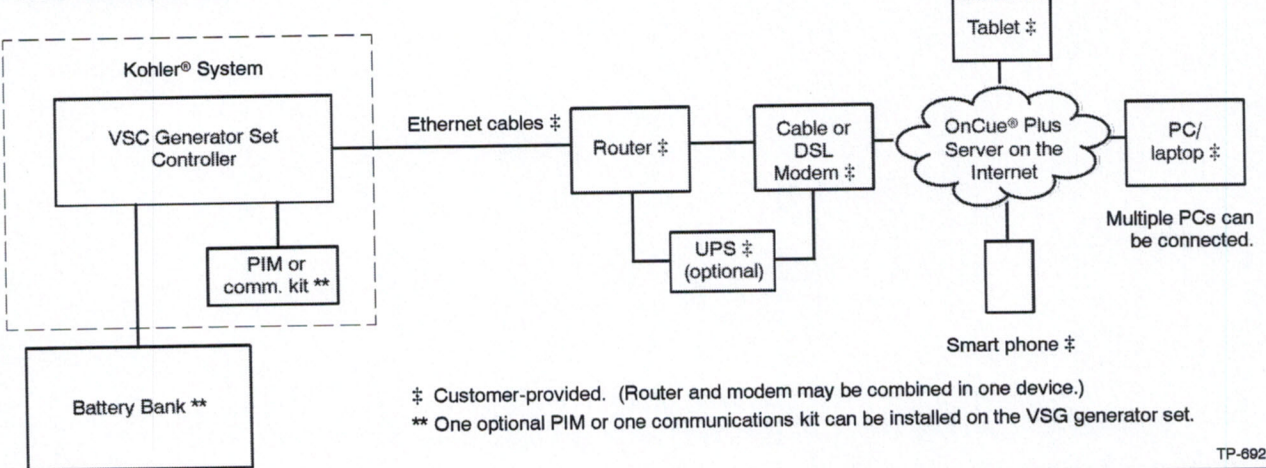
RDC2/DC2 Controller



RDC/DC Controller



VSC Controller



View System Operation Data

Generator Set

- Home is powered by the generator or utility power
- Generator set status: running, standby, shutdown, or off
- Active fault indication
- Generator voltage
- Engine starting battery voltage, VDC
- Frequency, Hz
- Generator event history
- Event details, including description, time, and date
- Exercise type
- Next scheduled exercise date and time (estimated based on last exercise date and time)
- Over 20 different parameters
- Generator power, in kW *
- Engine hours
- Last exercise date and time
- Exercise interval, duration and mode

Load Management

- Loads are added or shed automatically based on generator load
- View connected loads
- On/Off indicators for each circuit indicate status (powered or shed)
- Change load labels to identify the connected circuits

Programmable Interface Module (PIM)

- View relay status
- On/Off indicators show connected circuits
- Change input and output labels to identify connected circuits

6VSG Communications Kit

- View input and output status
- On/Off indicators show connected circuits

Notifications

Events

Email, text messages, and push notifications are sent for the following events. Notifications for selected events can be turned off or on for different recipients. Push notifications can be turned on or off using a smart phone or tablet, and then viewed on a smart phone, tablet, or personal computer.

- Exercise Start
- Exercise Ended
- Generator Running
- Generator Stopped
- Generator Not in Auto/In Auto
- Utility Loss/Restored
- Communication Loss/Restored
- Warnings Active/Cleared (includes maintenance reminders)
- Shutdowns Active/Reset

Remote Control/Home Automation

Generator Set

- Start/stop exercises remotely
- Clear or reset faults remotely
- Manage exercise interval, duration and mode

Programmable Interface Module (PIM)

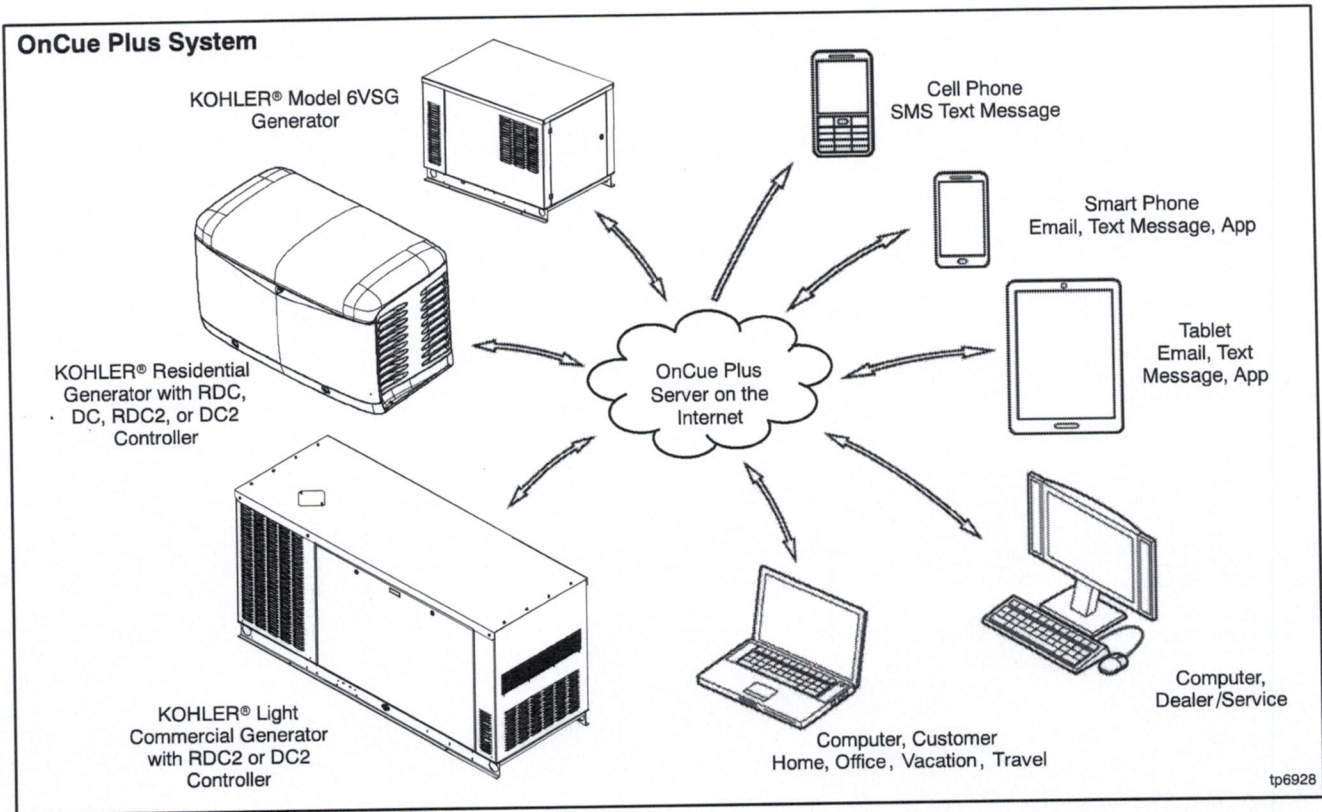
- Allows remote control of appliances and other electrical devices in your home
- Use your PC or mobile device to turn your lights or appliances on and off from any location with internet access
- The generator does not need to be running in order to use OnCue Plus for remote control of circuits connected to the PIM

System Requirements

- Personal computer (PC) requires an Internet browser with Adobe® Flash® player 12 or higher
- Mobile devices require Android™ Gingerbread 2.3 or higher or iOS 4.3 or higher
- Always-on Internet access for the generator (for example, cable, DSL, or phone line modem connected 24 hours a day)
- Internet router and network cable for generator connection to Ethernet
- Uninterruptible power supply (UPS) for modem and router (optional)

* Total power and percent of rated power can be displayed for these generator set models: 10RESV, 12RESV, 38RCL, two 14RESAs paralleled using the Kohler® PowerSync™ Automatic Paralleling Module (APM), or two 20RESAs or 20RESBs paralleled using the APM.

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OnCue® Plus System Kits

- For the RDC2/DC2/VSC controller:
 - Activation code decal
 - Ethernet connector
 - Operation manual

Note: RDC2/DC2 and VSC controllers have built-in Ethernet capability and do not require the Ethernet option board.
- For the RDC/DC controller:
 - OnCue Ethernet option board
 - Installation instructions for Ethernet board
 - Operation manual

Ethernet Option Board Specifications (RDC/DC controller only)

- Environmental specifications:
 - Operating temperature: -30°C to 70°C (-22°F to 158°F)
 - Storage temperature: -40°C to 85°C (-40°F to 185°F)
 - Humidity: 5-95% non-condensing
- Standard RJ45 jack for network connection
- Standard 10/100 Ethernet

DISTRIBUTED BY:

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