

WASHOE COUNTY

Integrity Communication Service www.washoecounty.us

STAFF REPORT MEETING DATE: October 16, 2020

DATE:	Tuesday, October 13, 2020
TO:	800 MHz Joint Operating Committee
	Shawn Tayler, Regional Communications Coordinator 775-858-5952, <u>stayler@washoecounty.us</u>
	Quinn Korbulic, Interim Chief Information Officer, Washoe County Recommendation to approve the purchase of equipment and supplies necessary to support a 48-volt power system upgrade at the Virginia Peak Communications site, not to exceed [\$70,000].

SUMMARY

In our efforts to prepare for the construction and installation of the new P25 Radio System, the Washoe County Regional Communication system team intends to upgrade power systems at radio sites where the power systems are insufficient to carry the power load of new equipment. The Virginia Peak and Slide Mountain sites have been identified as requiring substantial power system upgrades. This request will upgrade power system rectifiers, inverters, and batteries at Virginia Peak.

PREVIOUS ACTION

On September 13, 2016 the Board of County Commissioners approved the sole source purchase from Nor-Cal Battery Company of DC power systems and batteries for power upgrades at the Water tank and Snowflake Washoe County Regional Communication System radio sites at a cost not to exceed [\$200,000]

On June 9th, 2015 the Board of County Commissioners approved the sole source purchases of DC power equipment through Enersys Power/Full Solutions at a cost note to exceed [\$200,000].

BACKGROUND

The Washoe County Regional Communication System (WCRCS) team is continually performing maintenance, updates, and repairs to the current radio and microwave communication system and has begun preparation for the new P25 radio system to be installed. In preparation for the installation and construction of the new P25 system in the summer of 2021, the WCRCS team will perform certain site remediation activities such the update of grounding infrastructure and upgrade of power systems.

FISCAL IMPACT

The Washoe County Regional Communication System fund (210) has sufficient budget authority in equipment capital (781004).

RECOMMENDATION

Recommendation to approve the purchase of equipment and supplies necessary to support a 48-volt power system upgrade at the Virginia Peak Communications site, not to exceed [\$70,000].

POSSIBLE MOTION

If the committee agrees with Staff's recommendation, a possible motion would be: "move to approve the purchase of equipment and supplies necessary to support a 48-volt power system upgrade at the Virginia Peak Communications site, not to exceed [\$70,000]."



Helen Woosley

3432-D Cherokee Rd Stockton, CA 95205 209-993-7038 helen.woosley@norcalbattery.com

Quote

Customer Name:	Washoe County	Ref:	DC site replacement		
Address:					
City, State, Zip:					
Attention:	John Bylery	Quote #	HW080720R2		
Phone #:		Date:	8/7/2020		

Material				
Item	Description	Quantity	Unit Price	Total
1	054xxxx-001 (TBA) CXPS-E3,400A,4kW,Inv2k,24V/12V Dist,2BT CXPS-E3 System, 400A @ -48Vdc 207Vac Single Phase Inputs (1-feed per rectifier module, 6-Total) 6x 4kw Rectifier Module Positions CXC HP Controller 21-Load/5-Battery Breaker Positions, Bullet Type LVLD Standalone Inverter 2000, 2000W @ 120Vac Input: -48Vdc/120Vac 12Vdc 16-Position Distribution Panel, Bolt-in Type 24Vdc 16-Position Distribution Panel, Bolt-in Type 22 Pre-wired Battery Trays, each w/ 250A Breaker Disconnect 054xxxx-C5A (TBA) CSA Special Inspection at Factory		\$11,762.00	\$ 11,762.0
2	010-623-20-040 Cordex HP CXRF 48-4.0kW 208-277Vac Module, 4RU	6	\$780.00	\$ 4,680.
3				\$
4				\$
5	Load breakers 5A -50A larger ones available just ask for pricing 48V	21	\$25.00	\$ 525.0
6	Load breakers 5A -50A larger ones available just ask for pricing for 24V and 12V	32	\$37.00	\$ 1,184
7	NCR48-6-Z4 rack with 100A Battery Disconnect breaker on each tray Rack 23' with 6 tier trays for 6 additional strings – prewired for easy install.	1	\$3,500.00	\$ 3,500
8	SBS190F pure lead battery 12V 190A 5 yr full warranty	32	\$482.00	\$ 15,424
9	470-305-10 for 12V converter CB,1P,20A,80VDC,5/16" Bullet,Mid-trip	2	\$ 25.00	\$ 50.00
10	470-307-10- for 24V converter CB,1P,30A,80VDC,5/16" Bullet,Mid-trip	3	\$ 25.00	\$ 75.00
11	5901456-010- rack ext for Wilmore converters Adaptor, 19"-23" Rack, 10RU, Stl, Zn Plated	2	\$ 77.00	\$ 154.00
Labor				
Item	Description	Quantity	Unit Price	Total
	e Terms and Conditions			\$
Cal Battery standard terms and conditions, shall govern all services offered to customer under service quote and provided to customer as a result of this service quote regardless of any tilonal or different previsions contained in any document or communication from the customer, ept to the extent that any such additional or different terms are embodied in a written document ed by an authorized officer of Nor Cal Battery.			ubtotal: al Subtotal:	
ment terms: Net 30 days with approval posal based on customers' request/specifications		Ship	ping (est)	\$ 37,354.0 \$1,20
posn dused on costomers requesty specifications light terms: Prepaid and added to invoice d time: Based on current lead time sheet		Sales Tax		\$1,20
3 Origin: Facto Ie: Purchase ol	ry der to Nor Cal Battery: Forward to Helen Woosley	NI-	et Total:	
en.woosley@no	orcalbattery.com	NE		\$38,554.00

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