



## DEPARTMENT OF PUBLIC WORKS

Quality, Excellence, Innovation

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AMERA Governing Board  
95 Rowland Way  
Novato, CA 94945

Re: FY 13-14 Equipment Replacement Requests Status and Proposed FY 14-15 Equipment Replacement Requests

Dear Directors,

Accounting

### **FY 13-14 Replacements Status**

Airport

FY13-14, your Board authorized two equipment replacement projects.

Building Maintenance

On September 11, 2013 your Board authorized replacement of the Bay Hill Road site generator. That work is complete.

Capital Projects

Certified Unified Program  
Agency (CUPA)

On September 11, 2013 your Board authorized repairs to the Barnabe Utility Communications Building. That work is complete.

Communications  
Maintenance

In addition, on January 16, 2013, during the prior fiscal year, your Board authorized replacement of the Pt. Reyes generator. That work was also completed in FY 13-14.

County Garage

### **Proposed FY 14-15 Replacements**

Disability Access

#### **Generators**

Engineering & Survey

The MERA system utilizes back-up generators at each equipment site. The generators start automatically should the PG&E power be lost. These generators are critical to the operation of MERA and have been employed not only during severe storms but also during scheduled and unscheduled power outages. All of the MERA generators are approximately five to ten years old depending upon when the sites were installed. The average life of a generator is ten to twelve years. Attached are a recommended MERA Generator and Tank Replacement Program.

Flood Control &  
Water Resources

Land Development

Purchasing

Real Estate

We are recommending two generators be replaced this fiscal year, San Pedro Ridge and Big Rock Ridge. We estimate the cost for these replacements at \$52,000 each, for a total of \$104,000.

Reprographic Services

Road Maintenance

#### **Fuel Tank Replacement/Repair Schedule**

Stormwater Program

During the course of the Quarterly Site Maintenance it has been identified that some of the MERA site fuel tanks are aging and potentially in need of

Transportation &  
Traffic Operations

Waste Management

replacement. This is quite evident on the two coastal sites of Bay Hill Road and Pt Reyes. The degree of repairs needed range from addressing rusting tanks to valve replacement. Although all the systems are currently operational we recommend MERA starts a review of all the site fuel tanks and make the needed repairs or replacements before operational issues arise, a recommended schedule is attached.

For budget purposes we recommend using the replacement of the tank and all associated hardware, valves, etc., plus refilling the tank. If the tank is in serviceable condition and basic rust removal is all that is needed, we estimate the cost will only be about \$5,000. We are recommending four tanks be replaced/serviced this fiscal year, San Pedro Ridge, Big Rock Ridge, Bay Hill Road, and Point Reyes, with a total recommended budget of cost of \$58,500.

UPS Master/Prime Site Batteries: Batteries were last replaced June 2010 with a 3-5 year recommended manufacturer life. There are 4 strings of 18 batteries for a total of 72. We recommend the batteries be replaced in 2015, carrying MERA to the Next Generation replacement scheduled for 2018. Cost is estimated at \$46,000.

#### **FY 14-15 Surplus**

On November 11, 2013, your Board approved Surplus Property Policy and Procedures for the proper disposition of MERA surplus property. The following assets are recommended for disposal upon their replacement:

Item: San Pedro Ridge and Big Rock Ridge generators  
Method: Scrap  
Comment: Recycled, with no disposal cost to MERA.

Item: San Pedro Ridge, Big Rock Ridge, Bay Hill Road, and Point Reyes fuel tanks  
Method: Scrap  
Comment: Recycled, with no disposal cost to MERA

Item: UPS Master/Prime Site Batteries  
Method: Trade in  
Comment: Recycled, with credit provided on replacement purchase

It is recommended that MERA approve the above equipment replacements for total estimated cost of \$208,500. We also recommend you authorize disposition of certain MERA Assets as presented above.

At the MERA Executive Board meeting on May 7, 2014, staff was requested to investigate addition of a building to protect the generators from the weather. We will investigate options and costs and provide a report at an upcoming Executive Board meeting.

Very truly yours,

  
Craig Tackabery

MERA Operations Officer

ATTACHMENT: MERA Generator and Tank Replacement Program

## NERA Generator Replacement Guide

### NERA Generator and Tank Replacement Program 5/7/14

<u>Site</u>	<u>Generator Maintained By:</u>	<u>Generator Size</u>	<u>Installed</u>	<u>Replacement Date</u>	<u>Approximate Cost</u>	<u>Total Tanks</u>	<u>Installed</u>	<u>Replacement Date</u>	<u>Approximate Cost</u>
Mt. Tiburon	NERA	45 KW	2005	FY 2015/2016	52,000	1	2005	FY 2015/2016	\$11,500
Mill Valley City Hall	City of Mill Valley	125 KW	NA	NA			NA	NA	
Mill Valley PSB	City of Mill Valley		NA	NA			NA	NA	
San Pedro Ridge	NERA	45 KW	2002	FY 2014/2015		1	2002	FY 2014/2015	\$11,500
Dollar Hill	NERA	45 KW	2002	FY 2015/16	52,000	1	2002	FY 2015/2016	\$11,500
Forbes Hill	NERA	45 KW	2002	FY 2015/16	52,000	1	2002	FY 2015/2016	\$11,500
Civic Center Prime Site	Marin County		NA	NA			NA	NA	
Big Rock Ridge	NERA	45 KW	2002	FY 2014/2015	52,000	1	2002	FY 2014/2015	\$11,500
Mt. Burdell	American Tower		NA	NA			NA	NA	
Sonoma Mt.	NERA	45 KW	2003	FY 2015/2016	52,000	1	2003	FY 2015/2016	\$11,500
Bay Hill Road									
Sonoma County	NERA	125 KW	2004	DONE FY 13/14		3	2004	FY 2014/2015	\$24,000
Pt. Reyes	NERA	45 KW	2004	DONE FY 12/13		1	2004	FY 2014/2015	\$11,500
Mt. Barnabe with County Fire	NERA	45 KW	2003	FY 2015/2016	52,000	1	2003	FY 2015/2016	\$11,500
Mt. Tamalpais	American Tower		NA	NA			NA	NA	
Stewart Pt.	NERA	45 KW	2007	FY 2017/2018	52,000	1	2007	FY 2017/2018	\$11,500