SWEETWATER SPRINGS WATER DISTRICT

TO: Board of Directors **AGENDA NO. V- D**

FROM: Ed Fortner, General Manager

Meeting Date: October 3, 2019

Subject: Backup Generator Power for PG&E Outages

RECOMMENDED ACTION:

Receive report from the General Manager. Discussion and possible action.

FISCAL IMPACT:

None

DISCUSSION:

At the September 5th Board meeting, there was some discussion about generators and fuel preparedness to plan for any scheduled PG&E electric outages that may last for several days. The staff has done an extensive review of all sites with generators and sites that portable generators can be used. The data shows a very good preparedness level for the vast majority of the service area. Some intermittent lack of water may occur while portable generators are being moved. Fuel delivery should not be an issue as the tanker truck resides in our service area and the fuel loading station also has generator backup. The fuel vendor can also deliver 55-gallon drums if necessary. There are two generator purchases recommended. The smaller generator will be purchased right away, and the larger generator will be budgeted for FY 2021. Attachment A details more data around locations, storage and days of run-time per full tank of fuel.

GENERATOR LOCATION	SIZE	FUEL SIZE (Gallons)	FUEL TYPE	SUMMER DAYS OF FUEL	WINTER DAYS OF FUEL	STORAGE W/O GENERATOR	MOBILE
El Bonita	250 KW	335	diesel	2.25	3.75	1.0 Days (Summer)/ 1.75 Days (Winter)	YES
Monte Rio Filter Plant	125KW	240	diesel	6.5	11	1.0 Days (Summer)/ 1.75 Days (Winter)	Yes
Canyon Three Booster	45 KW	200	propane	5.5 gal propane /hour	1.5-days		YES
Park Avenue Booster	55 KW	100	diesel	0.86 gal diesel /hour	4.75-days		YES
Highland Treatment Plant	10 KW	100	diesel	1 gal diesel /hour	4-days		NO
SSWD Office	10 KW	96	propane	1.75 gal propane/hour	2.25-days		NO
LOCATIONS W/O GENERATORS PLUGS	**NOTES**	**RECOMMENDATIONS**					
Eagles Nest Booster/Tank	Five Services	Bottled Water					
Canyon four booster	4-5 Services	Bottled Water					
Monta Rosa booster		Install Generator Connection					
Hidden Valley Boosterr	15-20 psi w/o Power	No Action					
Santa Rosa Booster	Two Services; Lower Pressure w/ No Power	Bottled Water					
Crespo Booster	Bypass Valve Available to Feed System	Bottled Water (1 Service)					
Northwood Booster	3 Services; Bypass Valve Will be Installed to Feed System	Install Bypass Valve					
Upper Summit Avenue Booster	35 psi at Upper Site When Summit Booster	No Action					
	is Running						
LOCATIONS WITH GENERATOR PLUGS	**SIZE**	**FUEL SIZE**	**FUEL TYPE**	**DAYS OF FUEL**	**RECOMMENDATIONS**		
Harrison Tank and Booster	None (Can Use 45KW OR 55KW)	N/A	N/A	3 Gal Per Hour	**Purchase 55KW Diesel Generator**		
Lower Summit Booster and Tank	45KW OR 55KW	N/A	N/A	3 Gal Per Hour			
Wright Drive Booster and Tank	6.5kw	Six Gallons	Gas	1.5 Gal Per Hour			
Shoenman Booster and Tank	6.5kw	Six Gallons	Gas	1.5 Gal Per Hour			
Schoolhousse Booster and Tank	None (Can Use 6.5KW)	N/A	N/A	N/A	**Purchase 6.5KW Generator**		
NOTE: THE 45 AND 55 KW GENERATORS ARE ON PORTABLE TRAILERS							
AND CAN BE USED AT HARRISON BOOSTER,PARK AVE BOOSTER,LOWER SUMMIT BOOSTER							
AND CANYON THREE BOOSTER.							
WE HAVE TWO HONDA EM 6500 SX GENERATORS THAT CAN PLUG INTO AND POWER							
WRIGHT DRIVE BOOSTER, SHOENMAN BOOSTER, AND SCHOOL HOUSE BOOSTER.							
FUEL DELIVERY FROM REDWOOD COAST HAS BEEN CONFIRMED. TANKER RESIDES IN SERVICE AREA AND LOADING FACILITY HAS GENERATOR. ALSO, 55 GALLON DRUMS CAN BE DELIVER IF NEEDED.							