

**SAN LUIS & DELTA-MENDOTA WATER AUTHORITY  
EQUIPMENT REPLACEMENT JUSTIFICATION FORM  
FY2022**

**TRUCK/TRACTOR**

**ESTIMATE COST: \$158,000**

**EXISTING EQUIPMENT INFORMATION**

<b>VEHICLE NO:</b> 8058	<b>YEAR:</b> 2008	<b>AGE (YRS.):</b> 13
<b>MAKE:</b> Sterling	<b>MODEL:</b> LT95000	
<b>DEPARTMENT:</b> Maintenance	<b>MAINTENANCE YARD:</b> LBFO	
<b>CURRENT MILES:</b> 72,000	<b>PROJECTED HOURS WHEN REPLACED:</b>	78,000
<b>MECHANICS RATING OF VEHICLE:</b>	<i>POOR:</i>	<i>FAIR: X</i> <i>GOOD:</i>

**DESCRIPTION AND JUSTIFICATION**

**DESCRIPTION OF EQUIPMENT USE WITHIN THE AUTHORITY:**

The heavy duty truck/tractors are used for pulling trailers associated with the hauling of equipment and material in much of the routine work associated with the maintenance and repair of the DMC and associated facilities. These include but are not limited to.

- Hauling heavy equipment such as excavators or motor graders
- Hauling dirt for road maintenance with the belly dump trailer
- Moving large parts and materials associated with repairs to the plants and DMC
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This piece of equipment is used between 8,000 and 10,000 miles per year.

**REASON (S) FOR REPLACEMENT:**

The Authority schedules replacement of heavy trucks between 15-20 years of service. This truck will have 13 years of service when it is replaced.

The Authority operates 3 heavy haul tractors; one for the Tracy Field Office, one for the Los Banos Field Office and the third is low use (CARB Designated) vehicle that can only be used for 1000 miles per year. The third truck is often used to haul dirt with the belly dump trailer to do road repairs. The 1,000 mile limit on the truck only allows it to be used for a couple of months per year, after that, the crews have to off load the low bed trailer and use it haul dirt, this causes a great loss of efficiency and time.

We would like to purchase a new heavy haul truck for primary use of hauling equipment. 8058 would then be used primarily for hauling the belly dump trailer and retire the low use truck. Having 2 heavy haul tractors will be very useful for scheduling during times when there is conflict with having to move equipment and haul parts for support of the plants.

The cost of renting a second truck for the amount of time needed would be \$18,000 to \$22,000 per year.

*Date Prepared: 9/15/2015*

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**SPRAY TRUCK**

**ESTIMATE COST: \$180,000**

**EXISTING EQUIPMENT INFORMATION**

<b>VEHICLE NO:</b> 2633	<b>YEAR:</b> 2000	<b>AGE (YRS.):</b> 21
<b>MAKE:</b> Sterling	<b>MODEL:</b> LT8500	
<b>DEPARTMENT:</b> Maintenance	<b>MAINTENANCE YARD:</b> LBFO	
<b>CURRENT MILES:</b> 105,000	<b>PROJECTED HOURS WHEN REPLACED:</b>	112,000
<b>MECHANICS RATING OF VEHICLE:</b>	<i>POOR:</i>	<i>FAIR: X</i> <i>GOOD:</i>

**DESCRIPTION AND JUSTIFICATION**

**DESCRIPTION OF EQUIPMENT USE WITHIN THE AUTHORITY:**

This is our large spray truck. It is used for weed control spraying along the DMC, wasteways and the San Luis Drain. This truck is used specifically for all banks that are too deep to cover with the smaller (F450 based) truck

This piece of equipment is used between 6,000 and 7,000 miles per year.

**REASON (S) FOR REPLACEMENT:**

The Authority schedules heavy trucks to be replaced after 15-20 years of service. This truck has an aftermarket exhaust regeneration system that requires the filters to be baked approximately annually, these filters are no longer available and it is unknown how much longer the existing filters will be able to be used. This truck will have 21 years of service when it is replaced. The cost of the new cab and chassis will be approximately \$90,000.

The spray system of this truck is 20 years old and due for a comprehensive overhaul; when the new cab and chassis is purchased the existing bed, tank and other components will be transferred to the new truck but the pumps, piping and wiring harnesses will be replaced. The cost of the work on the spray bed is estimated to be \$90,000. If all of the components were replaced the cost would be approximately \$120,000.

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2607

**ESTIMATE COST: \$40,000**

**EXISTING EQUIPMENT INFORMATION**

<b>VEHICLE NO:</b> 2607	<b>YEAR:</b> 1981	<b>AGE (YRS.):</b> 13
<b>MAKE:</b> GMC	<b>MODEL:</b> Dump Truck	
<b>DEPARTMENT:</b> OPP	<b>MAINTENANCE YARD:</b> LBFO	
<b>CURRENT MILES:</b> 135,000	<b>PROJECTED HOURS WHEN REPLACED:</b>	135,000
<b>MECHANICS RATING OF VEHICLE:</b>	<i>POOR:</i> X	<i>FAIR:</i> <i>GOOD:</i>

**DESCRIPTION AND JUSTIFICATION**

**DESCRIPTION OF EQUIPMENT USE WITHIN THE AUTHORITY:**

This dump truck is used for hauling the debris from the trash racks at the OPP to the dump area.

This vehicle is used approximately 200 miles per year.

**REASON (S) FOR REPLACEMENT:**

This truck will be 40 years old when it is replaced. It is starting to experience major engine and transmission problems that would require a complete engine replacement and transmission overhaul.

The plan is to convert our old crane truck 2609 (the crane can no longer be certified) to a dump truck and use it at the OPP.

This truck has low miles (78,000) and is deemed highly reliable. It will be considered a CARB low use (<1,000 miles per year)

The conversion to a dump bed is estimated to be approximately \$40,000. This truck has a long enough wheel base to install a bed long enough to catch all of the debris from the rack cleaner

*Date Prepared: 9/15/2015*