



Memorandum

MONTEREY REGIONAL WASTE MANAGEMENT DISTRICT

Reviewed by: *[Signature]* Date: 11/27/19
General Manager

DATE: November 27, 2019
TO: General Manager
FROM: LCM/HHW Manager
SUBJECT: Review of District's Household Hazardous Waste Program Fiscal Year 2018/19

BACKGROUND

The District's Household Hazardous Waste (HHW) Collection Program began in 1987. It was one of the first permanent programs of its type in the US. District residents may turn in paint, used motor oil, household cleaners, pesticides, and various other household hazardous materials at no charge. A unique aspect of the program is the "drop and swap" component. Usable products are made available to the public for free at the Last Chance Mercantile. The HHW program has been able to consistently reuse 20% of all materials collected which significantly reduces program costs.

DISCUSSION

Each year staff prepares a report (303a) that is sent to the Department of Toxic Substances Control in Sacramento, listing all materials collected at the District's HHW program. The report includes the amount of materials collected, the number of participants, and the amount of pounds disposed, diverted, or recycled. During Fiscal Year (FY) 2018/19 the HHW program collected 738,376 lbs. of household hazardous waste from 13,067 resident and small business turn-ins. The number of HHW turn-ins increased by 534 (4.3%) from FY 2017/18. The total amount of waste material collected increased by 46,197 lbs. (6.7%) The amount of materials collected and number of turn-ins in FY 2018/19 are both all-time highs for the program. Over a five-year period, the amount of yearly turn-ins from residents and businesses has increased by 2,467 (23%). The amount of material collected has increased by 231,089 lbs. (45%) in the same five-year period.

Of the 738,376 lbs. of materials collected at the program, 505,751 lbs. (68%) were reused or recycled. The approximately 197,702 lbs. (20,810 gallons) of latex paint and 104,500 lbs. (11,000 gallons) of used motor oil contribute to the high reuse and recycled number.

The table below represents the number of turn-ins, the amount of materials collected, and the average amount of materials collected per turn-in visit, over a five-year period.

	FY 2014/15	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19
Turn-Ins	10,600	11,188	11,300	12,533	13,067
Pounds of Materials Collected	507,287	534,453	604,741	692,179	738,376
Average Pounds per Visit	47.85	47.77	53.52	55.22	56.50

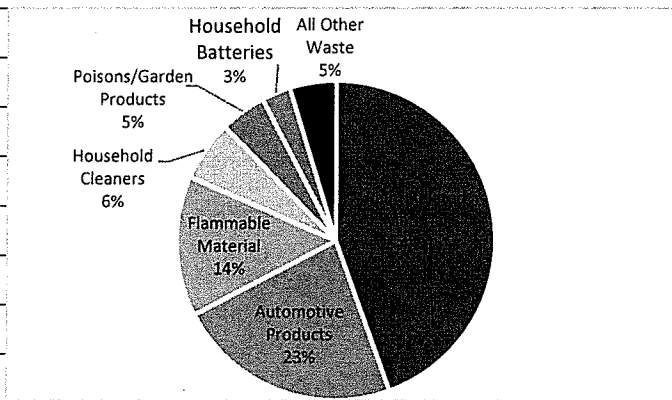
Turn-ins by City. The following shows the number of turn-ins from each member agency areas, out of District areas, CESQG's, and materials diverted from the Materials Recovery Facility in FY 2018/19.

City	Turn-Ins
Monterey	2,695
Marina	2,510
Seaside	1,474
Pacific Grove	1,273
Carmel	1,187
LCM, MRF, Out-of- District, CESQG**	1,031
Castroville	820
Monterey Co. (In-District)	736
Carmel Valley	743
Pebble Beach*	181
Big Sur	179
Moss Landing	121
Del Rey Oaks	75
Sand City	42
TOTAL	13,067

* Pebble Beach offers their residents a once a year free collection event.
 ** Includes Conditionally Exempt Small Quantity Generators (small businesses- CESQGS), Out of District turn-ins, HHW diverted at the Materials Recovery Facility (MRF), and HHW items that are found in LCM donations.
 *** The District held its fifth annual off-site collection event in June of 2019 that had 640 participants.

Material Collected. The following shows a breakdown of the types of material collected at the HHW program in fiscal year 2018/19. Paint related material continues to be the main waste material received at the program, followed by automotive products. This past year, we saw a 40% increase in the amount of motor oil collected compared to FY 2017/18.

Turn-In By type	(in Pounds)
Paint Related Material	328,224
Automotive Products	168,832
Flammable Material	104,832
Household Cleaners	45,146
Poisons/Garden Products	34,585
Household Batteries	21,720
All Other Waste	35,037



FINANCIAL IMPACT

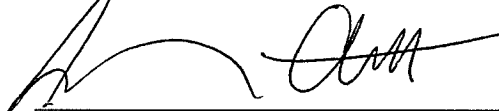
The operating cost for the HHW program in fiscal year 2018/19 was \$920,000, an increase 34% from the previous fiscal year. Most of the expense goes towards wage and benefits (\$460,000), and waste disposal (\$350,000). Waste disposal charges include HHW related disposal charges, appliance recycling, LFG waste disposal and recycling, electronic waste recycling, and the cost for the two off-site collection events.

Options for the Future.

- Staff will continue to promote disposal options for materials such as latex paint and household batteries. Both waste streams can be conveniently disposed and recycled by local outside vendors.
- Staff will look at adding more off-site collection events like the events held in Monterey and Big Sur last year.
- Continue to work with the Paintcare program for latex and oil base cost-free recycling.

CONCLUSION

The HHW program serves as an important component of the District's overall goal to divert hazardous materials from our landfill, storm drains, and sanitary sewers. It provides the District's residents and small businesses a cost-effective and safe hazardous waste drop-off and disposal service for the coastal area. In total, over 25,000 residents brought approximately 1,500,000 pounds of household hazardous waste to the two permanent facilities located in Monterey County last fiscal year.



Glen Evett