

Used Oil Recycling Rate Biannual Report: Fiscal Year 2004–2005

Introduction

The California Integrated Waste Management Board is required to report industrial oil sales, lubricating oil sales, and used oil recycling rates every six months. This report presents fiscal year (July 1–June 30) oil sales and recycling data from July 1, 1994, through June 30, 2005.

The information presented in Table 1 is based on quarterly reports of oil sales from manufacturers and used oil received by recycling facilities.

Oil is categorized as lubricating oil and industrial oil. Lubricating oil includes, but is not limited to, any oil intended for use in an internal combustion engine crankcase, transmission, gearbox, or differential in an automobile, bus, truck, vessel, plane, train, heavy equipment, or other machinery powered by an internal combustion engine (Public Resources Code [PRC] section 48618).

Industrial oil includes, but is not limited to, any compressor, turbine, or bearing oil, hydraulic oil, metalworking oil, or refrigeration oil.

Industrial oil does not include dielectric fluids (PRC section 48616).

The volume of lubricating oil recycled is a measure of the total volume of used oil received by used oil recycling facilities. Recycling facilities are required to report total volumes of lubricating and industrial oil received at their facilities.

Oil sales are based on oil reported by oil manufacturers or the entity first to take title to lubricating and industrial oil for sale, use, or transfer in California.

The volumes for oil sales and used oil collections are revised as staff learns of inaccuracies from audits, discussions with reporting entities, and analysis of submitted data. For example, sales reports may be revised, since refunds for exempt lubricating oils may be accepted for up to one year after the initial sale.

Public Collection Programs

In California, automotive do-it-yourselfers (DIY) are estimated to represent 18 percent of the State's households surveyed in 2000–2001. Figure 1 and Table 2 show the used oil collection volumes based upon used oil collected from local government-operated household hazardous waste collection programs (Form 303 reports), curbside collections, and certified used oil collection centers.

Form 303. The California Integrated Waste Management Board (CIWMB) requires each jurisdiction in California to annually complete Form 303 for reporting the amount of household hazardous waste (HHW), including used oil, collected through locally administered programs. The used oil reported on Form 303 includes used oil recycled by DIYers at local government collection sites and household hazardous waste collection events.

Curbside. The curbside collection program includes used oil placed on the curb by DIYers for pickup by residential waste haulers, and includes door-to-door oil collection programs.

Certified Centers. The used oil reported by certified centers includes oil collected by automotive related businesses including, but not limited to, automotive part stores and professional oil installers. A certified collection center is eligible for the redemption of recycling fees (16 cents per gallon) on lubricating oil generated and collected providing used oil is accepted from the public.

In fiscal year (FY) 2004–2005, a total of 86.2 million gallons of used oil were recycled (the

same collection volume as for FY 2003–2004). About 25 percent of this oil was collected at public collection sites. The combined estimate for all public collections accounts for approximately 21.9 million gallons of used lubrication oil collected, or 3 percent less than the 22.6 million gallons collected in FY 2003–2004 (Table 2). The slight decrease in collection is attributed to the long-term trend towards longer oil change intervals.

Table 1. Oil Sales and Used Oil Recycling Volumes per Fiscal Year (Gallons in Millions)

	July 1994–June 1995	July 1995–June 1996	July 1996–June 1997	July 1997–June 1998	July 1998–June 1999	July 1999–June 2000	July 2000–June 2001	July 2001–June 2002	July 2002–June 2003	July 2003–June 2004	July 2004–June 2005
Lubricating oil sales	140.1	137.9	137.2	139.1	143.0	156.2	161.6	167.4	157.3	148.7	153.5
Industrial oil sales	99.0	139.8	132.0	152.6	157.2	178.5	147.0	140.8	157.3	133.8	129.6
Total oil sales	239.1	277.7	269.2	291.7	300.2	334.7	308.6	308.2	314.6	282.5	283.1
Lubricating oil recycled*	56.5	56.8	56.3	63.5	64.6	70.4	83.1	81.0	83.8	86.2**	86.2**
Industrial oil recycled*	19.1	19.9	20.5	19.3	20.0	18.5	12.9	17.6	24.4	32.7	32.8
Total oil recycled	75.6	76.7	76.8	82.8	84.6	88.9	96.0	98.6	108.2	118.9	119.0

* Figures include used oil recycled both in and out of California.

** In FY 2003–2004, a total of 86,237,000 gallons of lubricating oil were recycled (rounded down to 86.2 million gallons), and in FY 2004–2005, a total of 86,158,000 gallons of lubricating oil were recycled (rounded up to 86.2 million gallons).

Figure 1. Oil Collected by Public Collection Programs (In Millions of Gallons)

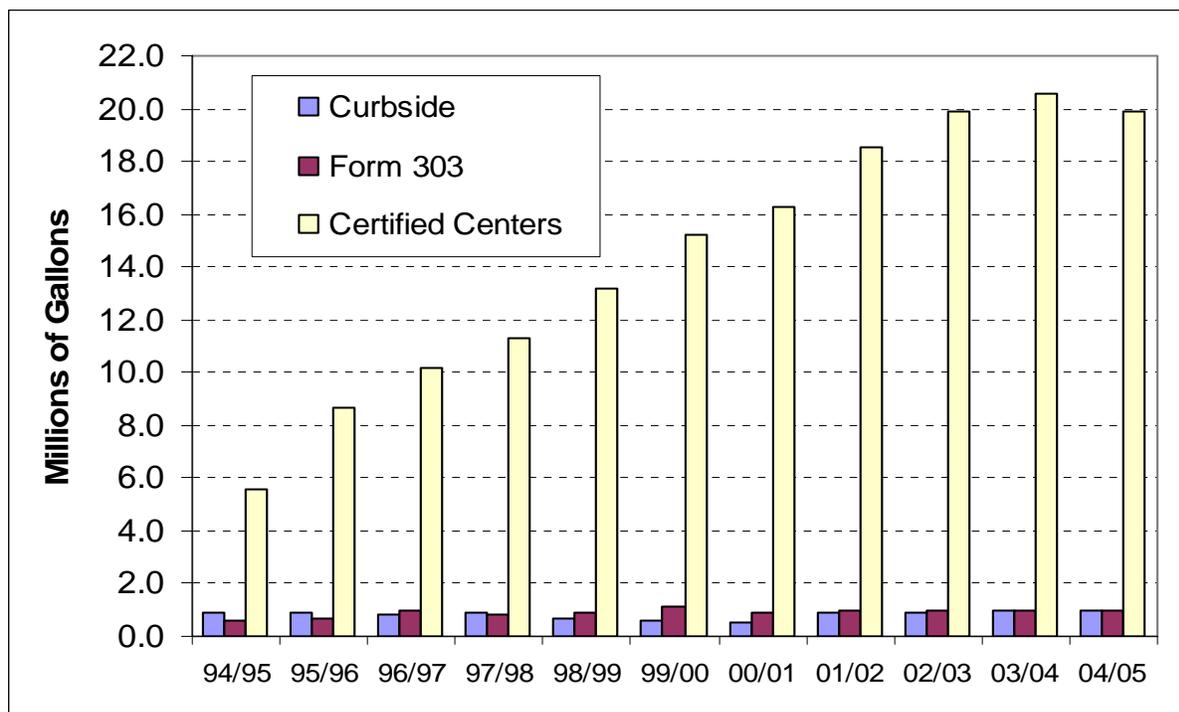


Table 2. Oil Collected by Public Collection Programs (In Millions of Gallons)

	1994–1995	1995–1996	1996–1997	1997–1998	1998–1999	1999–2000	2000–2001	2001–2002*	2002–2003*	2003–2004*	2004–2005*
Curbside	0.9	0.9	0.8	0.9	0.7	0.6	0.5	0.9	0.9	1.0	1.0
Form 303	0.6	0.7	1.0	0.8	0.9	1.1	0.9	1.0	1.0	1.0	1.0
Certified Centers	5.6	8.7	10.2	11.3	13.2	15.2	16.3	18.5	19.9	20.6	19.9
Total Oil	7.1	10.3	12.0	13.0	14.8	16.9	17.7	20.4	21.8	22.6	21.9

* Includes certified and non-certified curbside programs.