

3.3 SOLID WASTE MANAGEMENT AND RECYCLING

3.3.1 Solid Waste Management

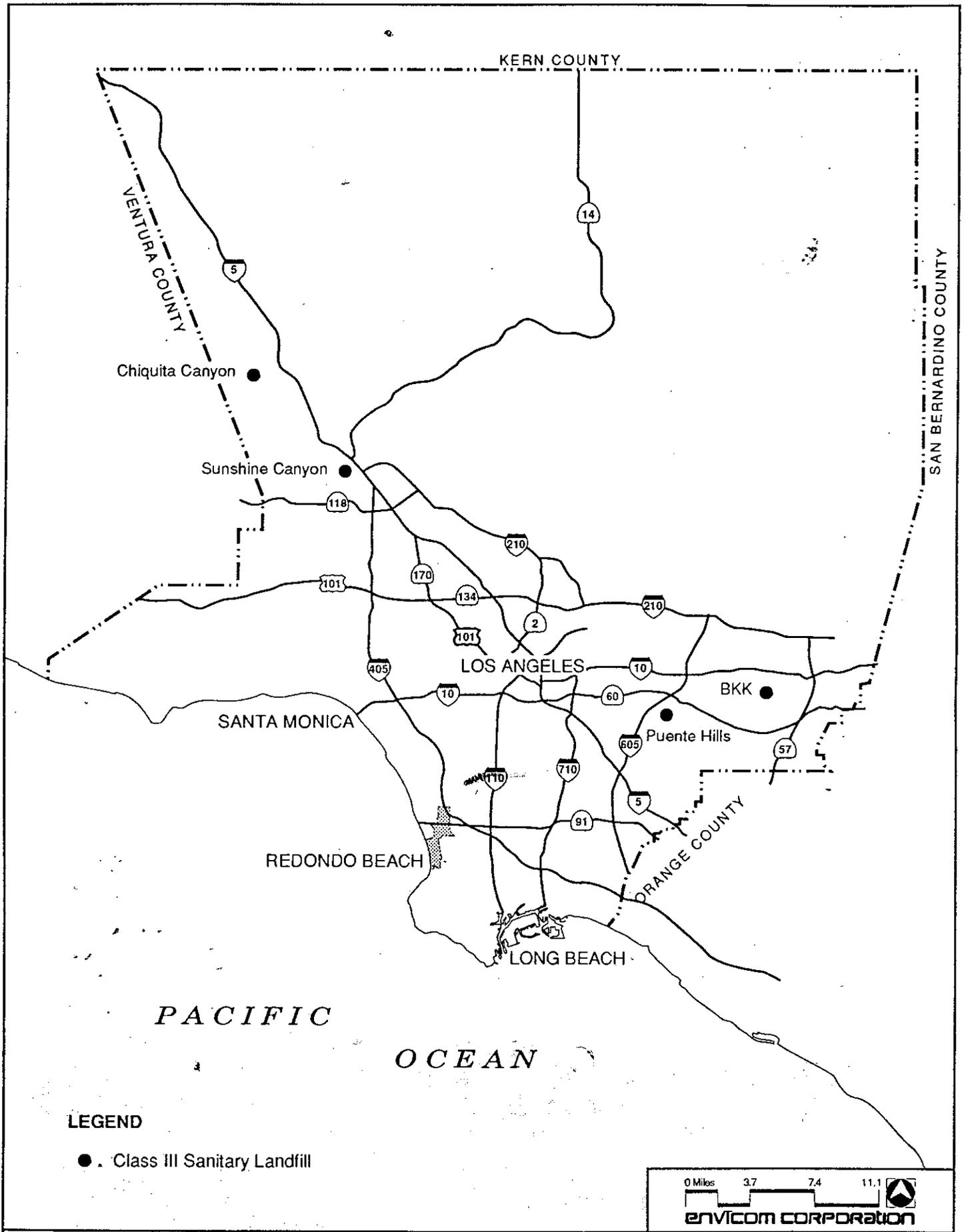
The City of Redondo Beach (including all residential, commercial, and industrial land uses) currently generates approximately 83,100 tons of solid waste per year (approximately 228 tons per day). This amount of solid waste is expected to increase proportionately in the future relative to the increase of the City's residential population and expansion of commercial/industrial activity. Solid waste collection and transportation in the City is currently provided by a private refuse collector, managed and overseen by the City of Redondo Beach Public Works Department. This mirrors the region-wide and nationwide trend of the privatization of numerous community services and utility services, as feasibility and efficiency merits.

Western Waste Industries is the specific private solid waste collector presently under formal contract to the City of Redondo Beach to service residential, commercial, and industrial properties in the community. The one exception to this exclusive service arrangement is TRW, which has been specifically excluded from the agreement with Western Waste because they are such a large generator of refuse (over 50,000 cubic yards annually).

In practice, the local garbage trucks pick up the solid waste from the source locations (homes, and businesses) and transport it to refuse transfer stations, where larger trucks haul the collected refuse to a range of different landfills across the region (**Figure 24**). Western Waste Industries operates its transfer station out of Carson which hauls the refuse to either the Chaquita Canyon, Ben K. Kazarian/West Covina, and Puente Hills landfills. A small portion of Redondo Beach's refuse is taken to the Southeast Resource Recovery Facility (SERFF), a waste-to-energy facility located in Long Beach.

Each of the aforementioned landfills serving the region (and the City of Redondo Beach) will eventually be required to close after reaching their licensed capacities. Operational permits may be granted, however, which extend the life of the landfills beyond the dates given below. The latest projected closure dates of the respective landfills are as follows:

<u>Landfill</u>	<u>Closure Date</u>	<u>Potential Capacity</u>
BKK West Covina	December, 1995	17 million tons
Chaquita Canyon	November, 1999	28.9 million tons
Puente Hills	October, 1993	70 million tons



EXISTING REGIONAL LANDFILL LOCATIONS

FIGURE 24

The primary issue facing the City of Redondo Beach in the area of solid waste disposal and management, much like the region and the country, is that of the long-term life span/availability, and environmental safety of our present system of primary solid waste removal (i.e., dumping into landfills).

Currently approximately ninety percent (90%) of solid waste in the State of California is dumped into the various landfills serving the State. All other related issues (i.e., number of companies permitted or contracted to collect solid waste in the City, length of contracts, etc., are secondary, and actually more in the line of practical implementation at the “ground-level” on a day-to-day basis).

In addition, the State Legislature, through Assembly Bill 939, The California Integrated Waste Management Act of 1989, mandated that all cities prepare, adopt, and submit a comprehensive solid waste management plan to the county within which they are located by January 1, 1992.

The plan must address and detail each individual community's efforts and intended policies in the areas of waste characterization, source reduction, recycling, composting, solid waste facilities, education/public information, funding, special wastes, and hazardous wastes. The law also mandates that communities meet certain specific identified targets for percentages of waste reduction and recycling over specified time periods (25 percent by 1995 and 50 percent by the year 2000).

In an effort to effectively meet this mandate, the City of Redondo Beach City Council has appointed a 7-member Resource Conservation Commission, who, under the auspices of the Department of Public Works, are assisting the City in developing and adopting this plan.

3.3.2 Recycling

The Beverage Container Recycling and Litter Reduction Act of 1986 requires that all convenience zones (any area within one-half mile from a grocery store) must have at least one recycling facility. As of January 1, 1988 a fee of \$100.00 per day was to be assessed to each business in the convenience zone for non-attainment.

Pursuant to this State law, the City of Redondo Beach amended its municipal code in order to conditionally permit recycling facilities in commercial and industrial zoning districts.

Reverse vending machines and bulk reverse vending machines are permitted in commercial and industrial zones following a non-discretionary approval. Small recycling collection facilities are permitted under a conditional use permit. Larger recycling

collection and processing facilities require a conditional use permit and site plan review and approval.

In addition to these local zoning code amendments permitting convenience zone recycling facilities, the City of Redondo Beach is currently implementing and continuing to develop a progressive “curbside” recycling plan relative to single family residential structures that will be expanded to include multi-family buildings in 1992.

For the single-family residential program, Western Waste provides two thirteen gallon, orange-colored bins to each dwelling unit, in order to assist in the implementation of the recycling program. One of the bins is used for glass, plastic and metal containers, while the other bin is used for the collection of mixed waste paper products, including newspaper. Western Waste picks up the recycling bins once per week with their regular trash collection. Latest available figures indicate that City-wide, residents participating in the program are presently recycling approximately nineteen percent (19%) of all household waste.

The provision of recycling services to commercial/industrial properties is addressed in the Integrated Solid Waste Management Plan, and provided for in the exclusive waste removal contract.

3.3.3 Goals, Objectives and Policies

Solid Waste Management

Goal *It shall be the goal of the City of Redondo Beach to:*

7A Promote, develop, and maintain a comprehensive plan and strategy to manage the City's solid waste collection, transportation, and management in an efficient and environmentally-sensitive manner, and in accordance with all applicable state laws.

Objective *It shall be the objective of the City of Redondo Beach to:*

7.1 Ensure that all available means of modern and efficient solid waste collection, transportation, and management are provided to the residential, commercial, and industrial users in the community, in accordance with evolving industry regulations and standards.

Policies *It shall be the policy of the City of Redondo Beach to:*

7.1.1 The City of Redondo Beach shall actively participate and interact with other local cities, state and regional governments/agencies and planning bodies, and local and regional solid waste removal purveyors in pursuing and

securing responsible long-term solutions for solid waste removal. These solutions may include, but, not be limited to: a) the securing of additional capacity and life span for existing operational landfills; b) the construction and operation of new solid waste landfills; and c) the construction and operation of “waste-to-energy” facilities.

7.1.2 The City of Redondo Beach (principally through the Department of Public Works) shall continue to analyze and interpret solid waste generation rates, waste removal practices, and other events and trends related to solid waste generation and removal, to further increase the effectiveness and efficiency of its removal and increase the potential and practice of solid waste management/reduction and recycling programs.

7.1.3 The City of Redondo Beach (principally through the Department of Public Works) shall continue to encourage, support, and monitor the efforts and activities of the City’s Environmental and Utilities Commission relative to solid waste removal and management and the creation and adoption of a comprehensive solid waste management plan. This body was appointed by the City Council to develop, adopt, and implement the City of Redondo Beach Solid Waste Management Plan, as mandated by the State Legislature in Assembly Bill 939.

7.1.4 The City of Redondo Beach shall implement a solid waste/recycling education and information dispersal campaign/program at the local level, in order to supplement those currently instituted by state and regional governments and non-profit organizations through the various television and print media.

Recycling

Goal *It shall be the goal of the City of Redondo Beach to:*

7B Increase the public awareness of the need to, and the means through which individual citizens, property owners, and business people in the community can successfully participate in local recycling programs.

Objective *It shall be the objective of the City of Redondo Beach to:*

7.2 Increase the range and amount of solid waste that is recycled throughout the community, in accordance with all applicable state and local requirements, while achieving the resultant environmental and financial benefits and advantages of such activities.

Policies *It shall be the policy of the City of Redondo Beach to:*

- 7.2.1 In an effort to increase the rate and efficiency of recycling resources and collection facilities available to the community, the City of Redondo Beach, through its revised Municipal Code, shall continue to permit the siting and construction of reverse vending machines in commercial and industrial zones, shall continue to permit small recycling collection facilities in these zones through a conditional use permit process, and shall continue to permit large recycling collection and processing facilities through conditional use permit and site plan review procedures and approvals.

- 7.2.2 The City of Redondo Beach (principally through the Department of Public Works) shall continue to analyze and interpret solid waste generation rates, waste removal practices, and other events and trends related to solid waste generation and removal, to further increase the effectiveness and efficiency of its removal and increase the potential and practice of solid waste management/reduction and recycling programs.

- 7.2.3 The City of Redondo Beach (principally through the Department of Public Works) shall continue to encourage, support, and monitor the efforts and activities of the City’s Environmental and Utilities Commission relative to integrated waste management activities. This body was appointed by the City Council to develop and implement the City of Redondo Beach Solid Waste Management Plan, as mandated by the State Legislature in Assembly Bill 939.

- 7.2.4 In the interim, the City should continue to proactively encourage, engender, and monitor its existing “curbside” recycling plan, neighborhood and group recycling plans and efforts, recycling by larger property owners and commercial and industrial businesses to increase the amount of participation and range of materials that are presently being recycled.

- 7.2.5 The City of Redondo Beach shall, as feasible and appropriate, require that all new or remodeled multi-family residential, commercial, and industrial developments develop and submit a formal “recycling plan,” designating where and through which means materials will be stored for recycling purposes. The City Department of Public Works shall assist the City Community Development Department in reviewing these plans.

3.3.4 Solid Waste Management and Recycling Implementation Programs

The following presents the respective programs which shall be carried out by the City of Redondo Beach (or the indicated designee) to implement the preceding goals, objectives,

and policies contained within the Solid Waste Management and Recycling Section. Each implementation program is followed by a number or numbers indicating the pertinent policy or policies which it is intended to help implement. Notwithstanding the language in specific implementation measures, action by the City is subject to the availability of funding and staff.

- Representatives of the City of Redondo Beach Department of Public Works shall review relevant journals and technical reports, shall attend public agency presentations and professional seminars, and shall regularly contact and meet with representatives of local, regional, state, and federal government agencies and private solid waste removal purveyors in an attempt to monitor ongoing and evolving solid waste removal and management technology and policies, and assist in the pursuit of responsible, long-term solid waste removal and management (*Policy 7.1.1*).
- Representatives of the City of Redondo Beach Department of Public Works shall continue to collect, monitor, analyze, and interpret data and events related to local solid waste generation, removal, and management. The findings of these efforts shall be used to improve local solid waste removal and management and improve source reduction activities and recycling efforts, in an effort to ensure local compliance with the adopted local Solid Waste Management Plan (*Policy 7.1.2, 7.2.2*).
- Representatives of the City of Redondo Beach Department of Public Works shall provide technical support, encouragement, and assistance to the City of Redondo Beach Environmental and Utilities Commission, as staffing and budgetary conditions allow, to assist this body in carrying out their intended role in the area of solid waste removal and management (*Policy 7.1.3, 7.2.3*).
- Representatives of the City of Redondo Beach Department of Public Works and the City of Redondo Beach Environmental and Utilities Commission shall expend all reasonable efforts to assure that a comprehensive and legally-adequate City of Redondo Beach Solid Waste Management Plan is created and adopted, in accordance with the provisions of Assembly Bill 939. It shall also be a primary responsibility of these bodies to ensure that the Plan is updated, as necessary, to reflect evolving conditions and continues to conform with future local, regional, state, and federal regulations and legal requirements (*Policy 7.1.3*).
- As staffing and budgetary conditions allow, representatives of the City of Redondo Beach Department of Public Works shall create educational and public informational programs to better inform the community about the issues and responsibilities related to solid waste removal and management. Such efforts shall include, but not be limited to: pamphlets and newsletters, speaking appearances or

presentations before local school, business, and community groups, and “seminar” format presentations that can be broadcast on a regular basis on the local cable television government access channel (*Policy 7.1.4*).

- The revised City of Redondo Beach Municipal Code shall contain specific provisions including: 1) permitting the siting and construction of reverse vending machines in local commercial and industrial zones; 2) allowing the siting and construction of small recycling collection facilities in these zones (through the conditional use permit process); and 3) allowing the siting and construction of large recycling collection and processing facilities (through the conditional use permit and site plan review process), in order to increase the rate and efficiency of local recycling efforts (*Policy 7.2.1*).
- Prior to and in addition to formal adoption of the City of Redondo Beach Solid Waste Management Plan, the City of Redondo Beach Department of Public Works shall continue to manage and monitor the existing local “curbside” recycling program. This effort shall include ongoing meetings with and presentations before local businesses, property owners, and resident or community groups to increase awareness of the need to recycle, and visits or inspections to monitor and further ensure compliance and performance in these areas by the targeted “recyclers” (*Policy 7.2.4*).
- The City of Redondo Beach shall, as feasible and appropriate, include a provision for the inclusion and review of mandated formal “recycling” plans in the environmental and site plan review and approval process of all new or remodeled multi-family residential, commercial, and industrial development proposals. This component shall be incorporated into the overall development and environmental review and approval process (potentially through a provision within the revised City of Redondo Beach Municipal Code). These “recycling” plans must specifically designate where and through which means materials will be stored, separated, and processed for recycling purposes (*Policy 7.2.5*).