



Section 5.21:

Solid Waste



5.21 SOLID WASTE

This section analyzes the potential solid waste impacts associated with the implementation of the proposed General Plan 2035. Specifically, this section compares the solid waste generation of the proposed General Plan 2035 with the capacity of the existing landfills that accept solid waste from the City of Murrieta.

5.21.1 REGULATORY SETTING

STATE PLANS AND POLICIES FOR SOLID WASTE DISPOSAL

California Integrated Waste Management Act

The California Integrated Waste Management Act of 1989 (AB 939) requires every city and county in the state to prepare a Source Reduction and Recycling Element (SRRE) to its Solid Waste Management Plan, that identifies how each jurisdiction will meet the mandatory state waste diversion goal of 50 percent by and after the year 2000. Subsequent legislation changed the reporting requirements and threshold, but restated source reduction as a priority. The purpose of AB 939 is to “reduce, recycle, and re-use solid waste generated in the state to the maximum extent feasible.”

The term “integrated waste management” refers to the use of a variety of waste management practices to safely and effectively handle the municipal solid waste stream with the least adverse impact on human health and the environment. AB 939 established a waste management hierarchy as follows:

- Source Reduction;
- Recycling;
- Composting;
- Transformation; and
- Disposal.

LOCAL PLANS AND POLICIES FOR SOLID WASTE DISPOSAL

Local governments have an ongoing obligation to meet a 50 percent diversion goal, as mandated by AB 939. While Murrieta’s recycling program is voluntary, residents and businesses are strongly encouraged to make full use of these services. Recycling and reuse of materials extends the life of landfills, results in less use of natural resources and improves the environment.



The City requires all residential and business properties to have trash collection services. The City contracts with Waste Management of the Inland Empire to provide collection and recycling services. No other haulers are authorized. The City, in collaboration with Waste Management, provides residential customers with three separate containers for waste separation: one for trash, one for commingled recyclables, and one for green waste and organic yard materials. In addition, the City has implemented a variety of Diversion Programs including, but not limited to the Business Waste Reduction program, in which Waste Management Inc. (WMI) and Western Riverside Council of Governments (WRCOG) offer businesses in the City waste assessments to promote recycling activities; Procurement, in which the City continues to give preference to the purchase of recycled content materials when feasible; Economic Incentives; and School Recycling Programs.

CITY OF MURRIETA MUNICIPAL CODE

All solid waste disposals within the City Murrieta are subject to the requirements set forth in *Title 8, Health and Safety*, Chapter 8.28 Waste Management, as provided in the *Municipal Code*. Chapter 8.28 provides integrated waste management guidelines for service, prohibitions, and provisions of service. The provisions of service require that the City of Murrieta shall provide for or furnish integrated waste management services relating to collection, transfer, and disposal of refuse, recyclables, and compostables within and throughout the city.

5.21.2 ENVIRONMENTAL SETTING

In 2009, the City of Murrieta disposed of approximately 58,783 tons¹ of solid waste. Trash collected from the City is primarily disposed of at several landfill sites, as shown below in *Table 5.21-1, Disposal Facilities Used By Murrieta (2009)*.

As indicated in *Table 5.21-1*, the majority of solid waste generated within the City is disposed of at El Sobrante Landfill. The El Sobrante Landfill is located midway between Lake Elsinore and Corona along I-15. The landfill has a daily permitted capacity of 16,054 tons/day. In 2009, the City disposed of approximately 50,215 tons of solid waste in this landfill (approximately 137.6 tons per day). This represents approximately 0.0086 percent of this landfill’s permitted daily capacity. The El Sobrante landfill is currently slated for closure in January 2045.

The Badlands Sanitary Landfill is located on Ironwood Avenue in Moreno Valley, along SR-60. The landfill has a daily permitted capacity of 4,000 tons per day. The City disposed of approximately 8,178 tons of solid waste at this landfill (approximately 22.4 tons per day) in 2009. This represents approximately 0.0056 percent of this landfill’s permitted daily capacity. The Badlands Sanitary Landfill is slated for closure in December 2038.

¹ California Integrated Waste Management Board official website, Disposal Reporting System, 2008, <http://www.ciwmb.ca.gov/LGCentral/Reports/DRS/Destination/JurDspFa.aspx>, 2009 data, Accessed December 17, 2010



**Table 5.21-1
Disposal Facilities Used by Murrieta (2009)**

Facility	Amount Disposed from Murrieta (tons/year) ¹	Permitted Throughput (tons/day) ²	Permitted Capacity (cubic yards) ²	Remaining Capacity (cubic yards) ²	Anticipated Closure Date ²
Azusa Land Reclamation Co. Landfill	192	6,500	66,670,000	34,100,000	1/01/2025
Badlands Sanitary Landfill	8,178	4,000	30,386,332	19,477,616	1/1/2016
Bakersfield Metropolitan (Bena) Sanitary Landfill	1	4,500	53,000,000	34,994,127	12/31/2038
California Street Landfill	14	829	10,000	6,800	1/1/2042
El Sobrante Landfill	50,215	16,054	184,930,000	145,530,000	1/01/2045
Lamb Canyon Sanitary Landfill	150	3,000	34,292,000	18,955,000	4/30/2021
Olinda Alpha Sanitary Landfill	18	8,000	74,900,000	38,578,383	12/31/2013
Prima Deshecha Sanitary Landfill	2	4,000	172,900,000	87,384,799	12/31/2067
San Timoteo Sanitary Landfill	2	1,000	24,400,000	11,360,000	5/01/2016
Sycamore Sanitary Landfill	10	3,965	48,124,462	47,388,428	12/31/2031
Total	58,783	68,200	928,071,000	518,511,964	NA
¹ California Integrated Waste Management Board official website, Disposal Reporting System, 2008, http://www.ciwmb.ca.gov/LGCentral/Reports/DRS/Destination/JurDspFa.aspx , 2009 data, Accessed December 17, 2010. ² California Integrated Waste Management Board official website, Solid Waste Information System, 2010, http://www.calrecycle.ca.gov/SWFacilities/Directory/Search.aspx , accessed December 17, 2010.					

According to the Jurisdictional Profile for Murrieta, the City had a diversion rate of 49 percent in 2006². In December 2008, the California Integrated Waste Management Board found Murrieta to be in compliance with state requirements, having made a "good faith" effort to meet the 50 percent reduction goal.³

5.21.3 SIGNIFICANCE THRESHOLD CRITERIA

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, impacts to solid waste facilities and service resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

² Ibid

³ Source: Cal Recycle, <http://www.calrecycle.ca.gov/LGCentral/Tools/MARS/JurDrDtl.asp?Flag=1&Ju=329&Yr=2006>, accessed January 29, 2011.



- Is served by a landfill with insufficient permitted capacity to accommodate the project's solid waste disposal needs; and/or
- Does not comply with federal, state, and local statutes and regulations related to solid waste.

Based on these significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.21.4 PROJECT IMPACTS AND MITIGATION MEASURES

LANDFILL CAPACITY

■ IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN DEMANDS ON LOCAL LANDFILLS IN EXCEEDANCE OF CAPACITY CURRENT CAPACITY CONSTRAINTS.

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: The projected growth anticipated with implementation of the proposed General Plan 2035 would potentially impact solid waste disposal services and the capacity of landfill facilities that serve the City.

The State of California has established 50 percent as the minimum waste reduction rate for all cities. According to the City's website, the last measured diversion rate was 47 percent, and according to the Jurisdictional Profile for Murrieta, the city had a diversion rate of 49 percent in 2006⁴. Chapter 8.28 of the Municipal Code stipulates policies and procedures for the collection and management of solid waste in Murrieta, in accordance with AB 939.

As illustrated in *Table 5.21-2, Net Increase in Solid Waste Generation*, implementation of the proposed General Plan 2035 would generate an additional 348,541 lbs/day or 175 tons/day of solid waste, or 63,875 tons of solid waste per year. This represents an approximate 0.0026 percent increase of the combined daily permitted capacity all landfills currently serving the City.

⁴ Ibid



**Table 5.21-2
Net Increase in Solid Waste Generation**

Land Use	Units or Square Feet	Generation Factor ¹	Solid Waste Generation (lbs/day)
Residential	10,734 du	12.23 lbs/unit/day	131,277
Non-Residential ²	36,210,757 sf	6lbs/1000 sf/day ³	217,265
Total			348,541 lbs/day or 175 tons/day
<p>1 = Does not include demolition inert waste generation 2 = Non-residential land uses include commercial, office and research park, business park, and civic/institutional 3 = Generation Factor for business park, office, and commercial sf = square feet lbs = pounds du = dwelling units Source: California Integrated Waste Management Board, Solid Waste Information System, 2004, <i>Estimated Solid Waste Generation Rates for Residential, Commercial, Industrial and Institutional Establishments</i>, http://www.calrecycle.ca.gov/wastechar/wastegenrates/, accessed December 17, 2010</p>			

Compliance with City and County waste reduction programs and policies would reduce the volume of solid waste entering landfills. Individual development projects within the City would be required to comply with applicable State and local regulations, thus reducing the amount of landfill waste by at least 50 percent. Nonetheless, buildout associated with implementation of the proposed General Plan 2035 would increase the volume of solid waste generated in the City that is diverted to existing landfills, thus contributing to the acceleration of landfill closures or the use of more distant sites. However, the closure dates for the various landfills range from 2013 until 2067. Combined remaining capacities at the landfills would be adequate to accommodate the buildout of the proposed General Plan 2035.

The proposed General Plan 2035 Conservation Element includes goals and policies that address opportunities to reduce solid waste generation and disposal within the City. Additionally, future developments resulting from the implementation of the proposed General Plan 2035 would be reviewed on a project-by-project basis to ensure that solid waste disposal services and landfill facilities would be available to serve the development. All development projects would be required to comply with Federal, State, and local statutes and regulations related to solid waste. Therefore, implementation of proposed General Plan 2035 would result in less than significant impacts.

Goals and Policies in the Proposed General Plan 2035:

CONSERVATION ELEMENT

Goal CSV-13 Solid waste is diverted from landfills through waste reduction, re-use and recycling.



Policies

- CSV-13.1 Continue to comply with the landfill diversion requirements of the Integrated Waste Management Program.
- CSV-13.2 Ensure that non-residential and multi-family developments provide readily accessible areas for recycling (at a minimum) paper, corrugated cardboard, glass, plastics and metals, as required by California law.
- CSV-13.3 Maximize community reuse and recycling of products and materials through waste management contracts and public education.
- CSV-13.4 Incentivize businesses that provide solutions for recycling and re-use of specific waste streams such as food waste and cooking oils.
- CSV-13.5 Work with local landfills or green waste centers to develop the infrastructure for a composting program.
- CSV-13.6 Provide public outreach and education workshops and information on the composting program.
- CSV-13.7 Work with local landfills or green waste centers, or other interested parties, as appropriate, to implement a community-wide food scrap collection and composting program.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.21.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

■ **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 AND OTHER CUMULATIVE DEVELOPMENT COULD RESULT IN CUMULATIVELY CONSIDERABLE IMPACTS RELATED TO SOLID WASTE DISPOSAL SERVICES AND LANDFILL DISPOSAL CAPACITY.**

Level of Significance Before Mitigation: Less Than Significant Impact.



Impact Analysis: Future development associated with buildout of the proposed General Plan 2035 and associated cumulative projects within the local area would impact solid waste collection and disposal services within the area. Murrieta, along with cities in the surrounding area, would continue to use common landfill resources, thereby reducing the capacity of local landfills.

Although the proposed General Plan 2035 would not significantly impact existing landfill capacity, the increase in solid waste generation from the proposed project and related cumulative projects together could significantly impact the finite resources associated with solid waste disposal. Individual development projects and related cumulative projects would be required to meet current recycling goals, reducing the amount of solid waste requiring disposal at landfills. Future developments would be reviewed on a project-by-project basis; solid waste impacts would be evaluated based on existing and planned disposal facilities and capacities available.

All development projects would be required to comply with Federal, State, and local statutes and regulations related to solid waste. Pursuant to the California Integrated Waste Management Act of 1989 (AB 939), every city and county in the State is required to divert 50 percent of solid waste generated in its jurisdiction away from landfills. Implementation of source reduction measures, such as recycling and converting waste to energy, that would be implemented on a project-by-project basis would serve to divert solid waste away from landfills. The contribution of the proposed General Plan 2035 to cumulative impacts associated with increased solid waste would be less than significant. Therefore, the proposed General Plan 2035 would not result in cumulatively considerable solid waste impacts.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.21.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.21.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Solid waste impacts associated with implementation of the proposed General Plan 2035 would be less than significant by adherence to/compliance with State and local requirements and goals and policies in the proposed General Plan 2035. No significant unavoidable solid waste impacts would occur as a result of buildout of the proposed General Plan 2035.



5.21.7 SOURCES CITED

City of Murrieta Website, www.murrieta.org/services/waste/index.asp, accessed December 17, 2010

City of Murrieta Municipal Code, codified December 2010, Chapter 8.28, Waste Management, accessed December 26, 2010.

California Integrated Waste Management Board official website, Disposal Reporting System, 2008, located online at <http://www.ciwmb.ca.gov/LGCentral/Reports/DRS/Destination/JurDspFa.aspx>, 2009 data, accessed December 17, 2010

City of Murrieta Jurisdictional Waste Stream profile, located online at <http://www.calrecycle.ca.gov/Profiles/Juris/JurProfile2.asp?RG=C&JURID=329&JUR=Murrieta>, accessed December 17, 2010