



Countywide Integrated Waste Management Plan

Countywide Non-Disposal Facility Element (NDFE)

Second Amendment

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EXECUTIVE SUMMARY

In 1989, when the Integrated Waste Management Act, or Assembly Bill 939 (AB 939), was established, California diverted only 10 percent of solid waste out of landfills and into recycling and/or reuse projects. AB 939 mandated local jurisdictions to meet solid waste diversion goals of 25 percent by 1995 and 50 percent by 2000 and beyond [Public Resources Code (PRC), Section 41780]. To ensure a jurisdiction's success to achieve the diversion goal, each jurisdiction was required to create a Countywide Integrated Waste Management Plan (CIWMP) that looked at recycling programs and waste minimization policies. The preparation, adoption and maintenance of a CIWMP is subject to AB 939 and pursuant to Public Resources Code Section 41750-41451.

In Solano County, the CIWMP is prepared and maintained by the County of Solano in cooperation with its incorporated cities of Benicia, Dixon, Fairfield, Rio Vista, Suisun City, Vacaville, and Vallejo. The CIWMP consists of the following five elements:

- **Source Reduction and Recycling Element (SRRE) [PRC Section 41780]**
Requires an implementation schedule of diversion programs that shows how the jurisdiction would achieve the mandated diversion goals through source reduction, recycling and composting activities.
- **Household Hazardous Waste Element (HHWE) [PRC Section 41500]**
Requires identification of programs for the safe collection, recycling, treatment, and disposal of hazardous wastes generated by households and should be separated from the solid waste stream.
- **Countywide Siting Element (CSE) [Title 14, CCR Section 18755]**
Requires demonstration of 15 years combined permitted disposal capacity through existing or planned solid waste disposal facilities or through additional strategies.
- **Summary Plan (SP) [PRC Section 41751]**
Provide an overview of significant waste management problems faced by the jurisdiction, along with specific steps to be taken, independently and in concert with cities within their boundaries in order to comply with AB 939.
- **Non-Disposal Facility Element (NDFE) [PRC Section 41732]**
Requires identification and description of all existing or proposed non-disposal facilities to be utilized to implement diversion programs outlined in the SRRE to meet diversion goals.

In 1994, the cities and county of Solano each prepared their own original Non-Disposal Facility Element (NDFE) of the CIWMP that was approved by the former California Integrated Waste Management Board (CIWMB), now CalRecycle. In 1998, Solano County Unincorporated was the only Solano County jurisdiction to amend its original NDFE and that first amendment included updates on all non-disposal facilities utilized by the cities and county of Solano.

In 2009, Solano County's Local Task Force for Integrated Waste Management directed the update of the CIWMP elements beginning with the NDFE. On behalf of its cities, Solano County led the preparation of

the second amendment to the NDFE and determined that the shared use of non-disposal facilities justified a single, multi-jurisdictional NDFE to be recognized as the second amendment to the Countywide Non-Disposal Facility Element of the Countywide Integrated Waste Management Plan when submitted to the respective governing authorities for adoption and approval.

The primary purpose of a NDFE is to identify new, existing, or expanding “non-disposal” facilities within a jurisdiction’s borders required to obtain a state-issued Solid Waste Facility Permit to operate for the purpose of these facilities being found in conformance with the CIWMP.

Non-Disposal Facility: A solid waste facility required to obtain a permit from CalRecycle that is a material recovery facility, compost facility, or transfer station/processing facility; a non-disposal facility is NOT a solid waste disposal facility or a transformation facility.

Solid Waste Disposal Facility: Accepts solid waste for land disposal.

***Transformation Facility:** A facility whose principal function is to process solid waste by incineration, pyrolysis, destructive distillation, or gasification for the purpose of volume reduction, synthetic fuel production, or energy recovery; biomass and composting are NOT transformation.

*NOTE: California has three transformation facilities located in the City of Commerce, City of Long Beach and Stanislaus County. CalRecycle has ceased the permitting of transformation facilities.

Non-disposal facilities in Solano County are described in a section of this NDFE as:

In-County PERMITTED Non-Disposal Solid Waste Facilities

Additionally, a NDFE may also identify facilities located within and outside jurisdictional borders that are, and are not, subject to a state-issued Solid Waste Facility permit but are utilized to meet AB 939 waste diversion goals through implementation of the Source Reduction and Recycling Element (SRRE).

These facilities are described in sections of this NDFE as:

Out-of-County PERMITTED Non-Disposal Solid Waste Facilities

In-County OPTIONAL Facilities

Out-of-County OPTIONAL Facilities

The second amendment to the Countywide Non-Disposal Facility Element is intended to update existing, identify new, and adequately describe non-disposal facilities utilized in the collection and processing of commingled recyclables, green waste and organics, and construction, demolition, and inert debris material generated within the cities and county of Solano that contribute to the mandatory waste diversion mandate under AB 939.

CalRecycle would determine this diversion rate by using a complex mathematical calculation based on estimated generation and actual disposal that could not be finalized for up to two years after each reporting year. This calculation method would later be replaced in 2007 as a result of stakeholders desiring emphasis on program implementation rather than numbers.

The Solid Waste Disposal Measurement Act of 2007 (SB 1016)

In 2007, Senate Bill (SB) 1016 was enacted to make the process of goal measurement as established by the Integrated Waste Management Act of 1989 (AB 939) simpler, more timely, and more accurate to evaluate jurisdictions' program implementation. SB 1016 does not change the 50 percent requirement in AB 939--it just measures it differently.

The 50 percent equivalent per capita disposal target is equal to the amount of disposal a jurisdiction would have had during the base period if it had been exactly at a 50 percent diversion rate. It is calculated using the average of 2003-2006 per capita generation for each jurisdiction. It then divides this generation average in half to determine the 50 percent equivalent per capita disposal target.

Per Resident Disposal Rate (RDR) / Day

	RDR Target (PPD)	2007 RDR (PPD)	2008 RDR (PPD)
Benicia	10.5	8.1	7.5
Dixon	9.9	5.7	4.5
Fairfield	8.5	5.9	5.4
Rio Vista	9.7	5.4	4.6
Suisun City	4.9	3.7	3.3
Vacaville	6.5	6.0	5.5
Vallejo	5.5	4.4	3.5
Unincorporated Solano County	7.7	5.5	4.4
Average	7.9	5.6	4.8

*Per Employee Disposal Rate (EDR) / Day

	EDR Target (PPD)	2007 EDR (PPD)	2008 EDR (PPD)
Benicia	23.3	17.1	15.5
Dixon	22.1	13.7	11.2
Fairfield	22.7	15.8	15.2
Rio Vista	39.7	26.4	22.8
Suisun City	32.8	32.8	29.3
Vacaville	24.6	21.1	19.3
Vallejo	24.1	18.5	14.3
Unincorporated Solano County	26.0	19.3	15.3
Average	26.9	20.6	17.9

*Industry employment is calculated using the same method as the population 50 percent equivalent disposal target rate. However, only employment and generation for the years 2005 and 2006 will be used since industry employment at the jurisdiction level is only available after 2005.

City of Benicia

On October 1, 2001 the City of Benicia entered into an exclusive franchise agreement with Republic Services, Inc., the parent company of Allied Waste Services (also known as Pleasant Hill Bayshore Disposal), for garbage, green waste, and recyclables collection. The agreement is due to expire on February 8, 2012.

- Commingled recyclables include aluminum and tin cans, glass bottles and jars, all plastic #1-#7, newspapers, magazines, all paper, chipboard, scrap metal and small metal items are collected bi-weekly at curbside from the residential and commercial sectors and direct-hauled to **Pacific Rim Recycling** in Benicia, CA where the material is source-separated for commodity market sales. (See Page 33)

-Yard Waste is commingled grass clippings, leaves, tree/shrub prunings, and weeds are collected bi-weekly at curbside from the residential and commercial sectors and direct-hauled to **Contra Costa Transfer Station and Recovery** in Martinez, CA and transferred for processing as alternative daily cover for use at Keller Canyon Landfill. (See Page 24)

-C & D material is source-separated by debris box and self-haul commodities are delivered to **Contra Costa Transfer Station and Recovery** in Martinez, CA where wood and green waste is ground and transported to Keller Canyon Landfill for use as alternative daily cover; concrete and asphalt are ground for winter tipping pads and access roads at Keller Canyon Landfill; clean soil is used for alternative daily cover at Keller Canyon Landfill; cardboard is direct-hauled to **Pacific Rim Recycling** in Benicia, CA where the material is processed for commodity market sales; and metal is truck-transferred to **Sims Metal Management** in Richmond, CA where ferrous and non-ferrous metals are prepared for commodity market sales. (See Page 24, 33, 42)

The Residential Disposal Rate (RDR) for the City of Benicia is as follows:

Residential Disposal Rate Target	10.5 ppd
2007 Reporting Year RDR	8.1 ppd
2008 Reporting Year RDR	7.5 ppd

*ppd = pounds per person per day

City of Dixon

On April 9, 1996 the City of Dixon entered into an exclusive franchise agreement with Recology Dixon, formerly Dixon Sanitary Service, for garbage, green waste, and recyclables collection. The agreement is due to expire December 31, 2017; the agreement is renewed every year pending City Council approval and is a rolling eight-year agreement.

- Commingled recyclables are aluminum and tin cans, glass bottles and jars, #1-#7 narrow-neck plastic bottles and jugs, newspapers, magazines, and chipboard are collected weekly at curbside from the residential and commercial sectors and delivered to Recology Hay Road for drop-off into recycling bunkers and then transferred into a tractor-trailer for transport to **Recology Vallejo** in Vallejo, CA where the material is source-separated for commodity market sales. (See Page 36)

-Yard Waste is commingled with limited organics that include grass clippings, leaves, tree/shrub prunings, weeds, bread, and kitchen fruit and vegetable scraps are collected weekly at curbside from the residential and commercial sectors and then direct-hauled to **Jepson Prairie Organics** in Vacaville, CA for processing into local residential compost use; and agricultural and landscape compost market sales. (See Page 21)

-C & D material is source-separated by debris box and direct-hauled to **Recology Hay Road** in Vacaville, CA where concrete and asphalt are ground for winter access roads and winter tipping pads; wood waste and green waste is ground for compost; clean soil is used as landfill cover; and metal is recycled by **Standard Iron & Metals Company** in Oakland, CA where ferrous and non-ferrous metals are prepared for commodity market sales. (See Page 35, 43)

The Residential Disposal Rate (RDR) for the City of Dixon is as follows:

Residential Disposal Rate (RDR) Target	9.9 ppd*
2007 Reporting Year RDR	5.7 ppd*
2008 Reporting Year RDR	4.5 ppd*

*ppd = pounds per person per day

City of Fairfield

On July 17, 2001 the City of Fairfield entered into an *exclusive franchise agreement with Republic Services, Inc., the parent company of Solano Garbage Company for garbage, green waste, and recyclables collection. The agreement is due to expire November 15, 2012.

*Construction and Demolition hauling is subject to the City of Fairfield's Construction and Demolition Ordinance and not exclusive to the franchise agreement.

- Commingled recyclables are aluminum and tin cans, glass bottles and jars, #1-#2 narrow-neck plastic bottles and jugs, newspapers, magazines, and chipboard are collected weekly at curbside from the residential and commercial sectors and delivered to Solano Garbage Company in Fairfield, CA for drop-off into recycling bunkers and then transferred into a tractor-trailer for transport to **West County Resources Recovery, Inc.** in Richmond, CA where the material is source-separated for commodity market sales. (See Page 29)

-Yard Waste is commingled with limited organics that include grass clippings, leaves, tree/shrub prunings, weeds, vegetable and fruit matter, grain products and baked goods, egg shells, coffee grounds, meat, fish, bones, and other decomposable matter are collected weekly at curbside from the residential and commercial sectors and then direct-hauled to **Potrero Hills Compost Facility** in Suisun, CA for processing. (See Page 22)

-C & D material is source-separated by debris box where metal is recycled by **Alco Iron & Metal Company** in Vallejo, CA where ferrous and non-ferrous metals are prepared for commodity market sales; concrete and asphalt are direct-hauled to **Potrero Hills Landfill** in Suisun, CA to be ground for on-site road base; wood waste and green waste is direct-hauled to **Potrero Hills Landfill** in Suisun, CA to be ground for on-site alternative daily cover; and clean soil is direct-hauled to **Potrero Hills Landfill** in Suisun, CA for on-site landfill cover. (See Page 31, 34)

Other haulers also take C&D materials to the following non-disposal facilities:
Contra Costa Transfer Station and Recovery, Page 24
Devlin Road Transfer Station, Page 25
K&M Recycling Recycle America Alliance, Page 26
M&M Services, Inc., Page 27
Concrush, Page 32

The Residential Disposal Rate (RDR) for the City of Fairfield is as follows:

Residential Disposal Rate (RDR) Target	8.5 ppd*
2007 Reporting Year RDR	5.9 ppd*
2008 Reporting Year RDR	5.4 ppd*

*ppd = pounds per person per day

City of Rio Vista

On October 1, 2002 the City of Rio Vista entered into an exclusive franchise agreement with Rio Vista Sanitation Service, Inc., whose parent company is Garaventa Enterprises, for garbage and recyclables collection. The agreement is due to expire October 1, 2011.

- Commingled recyclables are aluminum and tin cans, glass bottles and jars, #1-#7 plastics, newspapers, magazines, paper, and chipboard are collected weekly at curbside from the residential sector and direct-hauled to **Mount Diablo Recycling** in Pittsburg, CA where the material is source-separated for commodity market sales. (See Page 41)

-Yard Waste service is not included in the franchise agreement.

-C & D material is source-separated by debris box and direct-hauled to **Contra Costa Waste Service** in Pittsburg, CA where concrete and asphalt are ground and delivered to Antioch Building Materials; wood waste and green waste is ground for compost; clean soil is used as alternative daily cover at Potrero Hills Landfill in Suisun, CA; and metal is recycled by Standard Iron & Metal in Oakland, CA where ferrous and non-ferrous metals are prepared for commodity market sales. (See Page 40)

The Residential Disposal Rate (RDR) for the City of Rio Vista is as follows:

Residential Disposal Rate (RDR) Target	9.7 ppd*
2007 Reporting Year RDR	5.4 ppd*
2008 Reporting Year RDR	4.6 ppd*

*ppd = pounds per person per day

City of Suisun City

On March 17, 1998 the City of Suisun City entered into an exclusive franchise agreement with Republic Services, Inc., the parent company of Solano Garbage Company for garbage, green waste, and recyclables collection. The agreement is due to expire December 31, 2023.

- Commingled recyclables are aluminum and tin cans, glass bottles and jars, #1-#2 narrow-neck plastic bottles and jugs, newspapers, magazines, and chipboard are collected weekly at curbside from the residential and commercial sectors and delivered to Solano Garbage Company in Fairfield, CA for drop-off into recycling bunkers and then transferred into a tractor-trailer for transport to **West County Resources Recovery, Inc.** in Richmond, CA where the material is source-separated for commodity market sales. (See Page 29)

-Yard Waste is commingled with limited organics that include grass clippings, leaves, tree/shrub prunings, weeds, vegetable and fruit matter, grain products and baked goods, egg shells, coffee grounds, meat, fish, bones, and other decomposable matter are collected weekly at curbside from the residential and commercial sectors and then direct-hauled to **Potrero Hills Compost Facility** in Suisun, CA for processing. (See Page 22)

-C & D material is source-separated by debris box where metal is recycled by **Alco Iron & Metal Company** in Vallejo, CA where ferrous and non-ferrous metals are prepared for commodity market sales; concrete and asphalt are direct-hauled to **Potrero Hills Landfill** in Suisun, CA to be ground for on-site road base; wood waste and green waste is direct-hauled to **Potrero Hills Landfill** in Suisun, CA to be ground for on-site alternative daily cover; and clean soil is direct-hauled to **Potrero Hills Landfill** in Suisun, CA for on-site landfill cover. (See Page 31, 34)

The Residential Disposal Rate (RDR) for the City of Suisun City is as follows:

Residential Disposal Rate (RDR) Target	4.9 ppd*
2007 Reporting Year RDR	3.7 ppd*
2008 Reporting Year RDR	3.3 ppd*

*ppd = pounds per person per day

City of Vacaville

On July 1, 1990 the City of Vacaville entered into an exclusive franchise agreement with Recology Vacaville Solano, formerly Vacaville Sanitary Service, for garbage, green waste, and recyclables collection. The agreement is due to expire June 30, 2013.

- Commingled recyclables are aluminum and tin cans, glass bottles and jars, #1-#7 narrow-neck plastic bottles and jugs, newspapers, magazines, and chipboard are collected weekly at curbside from the residential and commercial sectors and delivered to Recology Hay Road for drop-off into recycling bunkers and transferred into a tractor-trailer for transport to **Recology Vallejo** in Vallejo, CA where the material is source-separated for commodity market sales. (See Page 36)

-Yard Waste is commingled grass clippings, leaves, tree/shrub prunings, weeds, bread, and kitchen fruit and vegetable scraps are collected weekly at curbside from the residential sector and then direct-hauled to **Jepson Prairie Organics** in Vacaville, CA for processing into local residential compost use; and agricultural and landscape compost market sales. (See Page 21)

-C & D material is source-separated by debris box and direct-hauled to **Recology Hay Road** in Vacaville, CA where concrete and asphalt are ground for winter access roads and winter tipping pads; wood waste and green waste is ground for compost; clean soil is used as landfill cover; and metal is recycled by **Standard Iron & Metals Company** in Oakland, CA where ferrous and non-ferrous metals are prepared for commodity market sales. (See Page 35, 43)

The Residential Disposal Rate (RDR) for the City of Vacaville is as follows:

Residential Disposal Rate (RDR) Target	6.5 ppd*
2007 Reporting Year RDR	6.0 ppd*
2008 Reporting Year RDR	5.5 ppd*

*ppd = pounds per person per day

City of Vallejo

On July 1, 1987 the City of Vallejo entered into an *exclusive franchise agreement with Recology Vallejo, formerly Vallejo Garbage Service, for garbage, green waste, and recyclables collection. The agreement is due to expire June 30, 2017.

*Construction and Demolition hauling is subject to the City of Vallejo's Construction and Demolition Ordinance and not exclusive to the franchise agreement.

- Commingled recyclables are aluminum and tin cans, glass bottles and jars, #1-#7 narrow-neck plastic bottles and jugs, newspapers, magazines, and chipboard are collected weekly at curbside from the residential and commercial sectors and direct-hauled to **Recology Vallejo** in Vallejo, CA where the material is source-separated for commodity market sales. (See Page 36)

-Yard Waste is commingled grass clippings, leaves, tree/shrub prunings, and weeds are collected weekly at curbside from the residential and commercial sectors and delivered to Recology Vallejo for drop-off into recycling bunkers and transferred into a tractor-trailer for transport to **Jepson Prairie Organics** in Vacaville, CA for processing into agricultural and landscape compost market sales. (See Page 21)

-C & D material is source-separated by debris box where green waste is transferred into a tractor-trailer for transport at Recology Vallejo in Vallejo, CA and direct-hauled to **Jepson Prairie Organics** in Vacaville, CA; commingled C&D is direct-hauled to **Devlin Road Transfer Station** in American Canyon, CA; wood waste and clean dirt are direct-hauled to **Napa Materials Diversion Facility**; cardboard is processed on-site at **Recology Vallejo** in Vallejo, CA for commodity market sales; concrete and asphalt are direct-hauled to **Syar Industries, Inc.** in Vallejo, CA; metal is direct-hauled to **Steel Mill Supply** in Napa, CA where ferrous and non-ferrous metals are prepared for commodity market sales. (See Page 21, 25, 28, 36, 38, 44).

The Residential Disposal Rate (RDR) for the City of Vallejo is as follows:

Residential Disposal Rate (RDR) Target	5.5 ppd*
2007 Reporting Year RDR	4.4 ppd*
2008 Reporting Year RDR	3.5 ppd*

*ppd = pounds per person per day

Unincorporated Solano County (Outside the City of Benicia)

The County of Solano has not entered into a franchise agreement with Republic Services, Inc., the parent company of Allied Waste Services (also known as Pleasant Hill Bayshore Disposal), for garbage, green waste, or recyclables collection. However, the County's service area map adopted in 2004 assigns this hauler as the designated provider. (See Page 45)

- Commingled recyclables include aluminum and tin cans, glass bottles and jars, all plastic #1-#7, newspapers, magazines, all paper, chipboard, scrap metal and small metal items are collected bi-weekly at curbside from the residential and commercial sectors and direct-hauled to **Pacific Rim Recycling** in Benicia, CA where the material is source-separated for commodity market sales. (See Page 33)

-Yard Waste is commingled grass clippings, leaves, tree/shrub prunings, and weeds are collected bi-weekly at curbside from the residential and commercial sectors and direct-hauled to **Contra Costa Transfer Station and Recovery** in Martinez, CA and transferred for processing as alternative daily cover for use at Keller Canyon Landfill. (See Page 24)

-C & D material is source-separated by debris box and self-haul commodities are delivered to **Contra Costa Transfer Station and Recovery** in Martinez, CA where wood and green waste is ground and transported to Keller Canyon Landfill for use as alternative daily cover; concrete and asphalt are ground for winter tipping pads and access roads at Keller Canyon Landfill; clean soil is used for alternative daily cover at Keller Canyon Landfill; cardboard is direct-hauled to **Pacific Rim Recycling** in Benicia, CA where the material is processed for commodity market sales; and metal is truck-transferred to **Sims Metal Management** in Richmond, CA where ferrous and non-ferrous metals are prepared for commodity market sales. (See Page 24, 33, 42)

While the unincorporated areas of Solano County are served by different solid waste providers, Solano County Unincorporated reports the sum of its areas for waste diversion and disposal to CalRecycle.

The Residential Disposal Rate (RDR) for the Unincorporated Solano County is as follows:

Residential Disposal Rate Target (pounds per day)	7.7 ppd
2007	5.5 ppd
2008	4.4 ppd

Unincorporated Solano County (Outside the Cities of Dixon and Vacaville)

On January 1, 2005 the County of Solano entered into a franchise agreement with Recology Vacaville Solano, formerly Vacaville Sanitary Service, for garbage, green waste, and recyclables collection. The agreement is due to expire December 31, 2014.

- Commingled recyclables are aluminum and tin cans, glass bottles and jars, #1-#7 narrow-neck plastic bottles and jugs, newspapers, magazines, and chipboard are collected weekly at curbside from the residential and commercial sectors and delivered to Recology Hay Road for drop-off into recycling bunkers and transferred into a tractor-trailer for transport to **Recology Vallejo** in Vallejo, CA where the material is source-separated for commodity market sales. (See Page 36)

-Yard Waste is commingled grass clippings, leaves, tree/shrub prunings, weeds, bread, and kitchen fruit and vegetable scraps that the residential sector may self-haul two times per year to **Jepson Prairie Organics** in Vacaville, CA for processing into local residential compost use; and agricultural and landscape compost market sales. (See Page 21)

-C & D material is source-separated by debris box and direct-hauled to **Recology Hay Road** in Vacaville, CA where concrete and asphalt are ground for winter access roads and winter tipping pads; wood waste and green waste is ground for compost; clean soil is used as landfill cover; and metal is recycled by **Standard Iron & Metals Company** in Oakland, CA where ferrous and non-ferrous metals are prepared for commodity market sales. (See Page 35, 43)

While the unincorporated areas of Solano County are served by different solid waste providers, Solano County Unincorporated reports the sum of its areas for waste diversion and disposal to CalRecycle.

The Residential Disposal Rate (RDR) for the Unincorporated Solano County is as follows:

Residential Disposal Rate Target (pounds per day)	7.7 ppd
2007	5.5 ppd
2008	4.4 ppd

Unincorporated Solano County (Outside the Cities of Fairfield and Suisun City)

On January 1, 2005 the County of Solano entered into an exclusive franchise agreement with Solano Garbage Company for garbage, green waste, and recyclables collection. The agreement is due to expire December 31, 2014.

- Commingled recyclables are aluminum and tin cans, glass bottles and jars, #1-#2 narrow-neck plastic bottles and jugs, newspapers, magazines, and chipboard are collected weekly at curbside from the residential and commercial sectors and delivered to Solano Garbage Company in Fairfield, CA for drop-off into recycling bunkers and then transferred into a tractor-trailer for transport to **West County Resources Recovery, Inc.** in Richmond, CA where the material is source-separated for commodity market sales.
(See Page 29)

-Yard Waste is commingled with limited organics that include grass clippings, leaves, tree/shrub prunings, weeds, vegetable and fruit matter, grain products and baked goods, egg shells, coffee grounds, meat, fish, bones, and other decomposable matter are collected weekly at curbside from the residential and commercial sectors and then direct-hauled to **Potrero Hills Compost Facility** in Suisun, CA for processing.
(See Page 22)

-C & D material is source-separated by debris box where metal is recycled by **Alco Iron & Metal Company** in Vallejo, CA where ferrous and non-ferrous metals are prepared for commodity market sales; concrete and asphalt are direct-hauled to **Potrero Hills Landfill** in Suisun, CA to be ground for on-site road base; wood waste and green waste is direct-hauled to **Potrero Hills Landfill** in Suisun, CA to be ground for on-site alternative daily cover; and clean soil is direct-hauled to **Potrero Hills Landfill** in Suisun, CA for on-site landfill cover. (See Page 31, 34)

While the unincorporated areas of Solano County are served by different solid waste providers, Solano County Unincorporated reports the sum of its areas for waste diversion and disposal to CalRecycle.

The Residential Disposal Rate (RDR) for the Unincorporated Solano County is as follows:

Residential Disposal Rate Target (pounds per day)	7.7 ppd
2007	5.5 ppd
2008	4.4 ppd

Unincorporated Solano County (Outside the City of Rio Vista)

The County of Solano has not entered into a franchise agreement with Garaventa Enterprises, Inc., the parent company of Rio Vista Sanitation Service, for garbage, green waste, or recyclables collection. However, the County's service area map adopted in 2004 assigns this hauler as the designated provider. (See Page 45)

- Commingled recyclables are aluminum and tin cans, glass bottles and jars, #1-#7 plastics, newspapers, magazines, paper, and chipboard are collected weekly at curbside from the residential sector and direct-hauled to **Mount Diablo Recycling** in Pittsburg, CA where the material is source-separated for commodity market sales. (See Page 41)

-Yard Waste service is unavailable.

-C & D material is source-separated by debris box and direct-hauled to **Contra Costa Waste Service** in Pittsburg, CA where concrete and asphalt are ground and delivered to Antioch Building Materials; wood waste and green waste is ground for compost; clean soil is used as alternative daily cover at Potrero Hills Landfill in Suisun, CA; and metal is recycled by Standard Iron & Metal in Oakland, CA where ferrous and non-ferrous metals are prepared for commodity market sales. (See Page 40)

While the unincorporated areas of Solano County are served by different solid waste providers, Solano County Unincorporated reports the sum of its areas for waste diversion and disposal to CalRecycle.

The Residential Disposal Rate (RDR) for the Unincorporated Solano County is as follows:

Residential Disposal Rate Target (pounds per day)	7.7 ppd
2007	5.5 ppd
2008	4.4 ppd

Unincorporated Solano County (Outside the City of Vallejo)

On January 1, 2005 the County of Solano entered into an exclusive franchise agreement with Recology Vacaville Solano, formerly Vacaville Sanitary Service, for garbage, green waste, and recyclables collection. The agreement is due to expire December 31, 2014.

- Commingled recyclables are aluminum and tin cans, glass bottles and jars, #1-#7 narrow-neck plastic bottles and jugs, newspapers, magazines, and chipboard are collected weekly at curbside from the residential and commercial sectors and direct-hauled to **Recology Vallejo** in Vallejo, CA where the material is source-separated for commodity market sales. (See Page 36)

-Yard Waste is commingled grass clippings, leaves, tree/shrub prunings, weeds, bread, and kitchen fruit and vegetable scraps are collected weekly at curbside from the residential sector and direct-hauled to Recology Vallejo for drop-off into recycling bunkers and transferred into a tractor-trailer for transport to **Jepson Prairie Organics** in Vacaville, CA for processing into agricultural and landscape compost market sales. (See Page 21)

-C & D material is source-separated by debris box and direct-hauled to **Recology Hay Road** in Vacaville, CA where concrete and asphalt are ground for winter access roads and winter tipping pads; wood waste and green waste is ground for compost; clean soil is used as landfill cover; and metal is recycled by **Standard Iron & Metals Company** in Oakland, CA where ferrous and non-ferrous metals are prepared for commodity market sales. (See Page 35, 43)

While the unincorporated areas of Solano County are served by different solid waste providers, Solano County Unincorporated reports the sum of its areas for waste diversion and disposal to CalRecycle.

The Residential Disposal Rate (RDR) for the Unincorporated Solano County is as follows:

Residential Disposal Rate Target (pounds per day)	7.7 ppd
2007	5.5 ppd
2008	4.4 ppd

ALPHABETICAL LIST OF FACILITIES

1. Alco Iron & Metal Company (Vallejo, CA)	Page 31
2. Concrush (Fairfield, CA)	Page 32
3. Contra Costa Transfer Station and Recovery (Martinez, CA)	Page 24
4. Contra Costa Waste Service (Concord, CA)	Page 40
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Solano County NDFE 2nd Amendment

PERMITTED Non-Disposal Solid Waste Facilities

IN-COUNTY

Facility Name: **GOODYEAR ROAD COMPOST FACILITY**
Facility Location: 1460 Goodyear Road, Benicia, CA 94510
Latitude: 38.1548 Longitude: -122.1076

SWIS #: 48-AA-0088

Facility Type: Composting

Facility Capacity: 106 tons/day

Facility Description: This facility is owned and operated by CCL Organics LLC. It processes yard waste material collected at contractors' yards.

Facility Diversion Rate: 96%

Participating Jurisdictions: City of Benicia
City of Vallejo
Unincorporated Solano County

Facility Contact: David Burnley, Managing Partner
CCL Organics LLC
1460 Goodyear Road
Benicia, CA 94510
(707) 751-0466
cclorganics@aol.com

Facility Name: JEPSON PRAIRIE ORGANICS COMPOSTING FACILITY
Facility Location: 6426 Hay Road, Vacaville, CA 95687
Latitude: 38.3136 Longitude: -121.8372

SWIS #: 48-AA-0083

Facility Type: Composting

Facility Capacity: 750 tons/day

Facility Description: This facility is owned by, and operates on portions of two parcels of, Recology Hay Road. It accepts source-separated yard waste, agricultural waste, and organic waste from residential and commercial recycling programs.

Commodities
Diversion
Rate: 98%

Participating
Jurisdictions: City of Dixon
City of Vacaville
City of Vallejo
Unincorporated Solano County

Facility Contact: Greg Pryor, General Manager
Recology Hay Road
6426 Hay Road
Vacaville, CA 95687
(707) 678-4718, x-24
gpryor@recology.com

Facility Name: POTRERO HILLS COMPOST FACILITY
Facility Location: 3675 Potrero Hills Lane, Suisun, CA 94585
Latitude: 38.2118 Longitude: -121.9808

SWIS #: 48-AA-0084
(Notification Tier)

Facility Type: Composting

Facility Capacity: 12,500 yards³ on-site at any one time

Facility Description: This facility is owned by Waste Connections, Inc. and is operated by Potrero Hills Landfill. It accepts source-separated green material with limited commingled organic material, agricultural material and wood waste from residential and commercial recycling programs to be processed and used for beneficial re-use on-site and off-site.

**Commodities
Diversion
Rate:** 90%

**Participating
Jurisdictions:** City of Fairfield
City of Rio Vista
City of Suisun City
Unincorporated Solano County

Facility Contact: Jim Dunbar, General Manager
Potrero Hills Landfill
P.O. Box 68
Fairfield, CA 94533
(707) 432-4621
JamesDu@WasteConnections.com

Solano County NDFE 2nd Amendment

PERMITTED Non-Disposal Solid Waste Facilities

OUT-OF-COUNTY

Facility Name: CONTRA COSTA TRANSFER STATION AND RECOVERY
Facility Location: 951 Waterbird Way, Martinez, CA 94553
Latitude: 38.0236 Longitude: -122.0916

SWIS #: 07-AA-0027

Facility Type: Large Volume Transfer/Processing Facility

Facility Capacity: 1,900 tons/day

Facility Description: This facility is owned and operated by Republic Services. It accepts source-separated yard waste, agricultural waste, organic waste, and processes construction, demolition and inert debris from residential and commercial recycling programs.

Commodities

Diversion

Rate: 96%

Participating

Jurisdictions: City of Benicia
City of Fairfield
Unincorporated Solano County

Facility Contact: Rick King, General Manager
Contra Costa Transfer Station and Recovery
951 Waterbird Way
Martinez, CA 94553
(925) 458-9800
rking@republicservices.com

Facility Name: **DEVLIN ROAD TRANSFER STATION**
Facility Location: 889 Devlin Road, American Canyon, CA 94558
Latitude: 38.20583 Longitude: -122.2607

SWIS #: 28-AA-0027

Facility Type: Large Volume Transfer/Processing Facility

Facility Capacity: 1,440 tons/day

Facility Description: This facility is owned and operated by the Napa-Vallejo Waste Management Authority. It processes commingled and source-separated materials accepted from residential and commercial recycling programs.

**Commodities
Diversion
Rate:** 28%

**Participating
Jurisdictions:** City of Fairfield
City of Vallejo

Facility Contact: Steve Kelley, General Manager
Northern Recycling Operations & Waste Services, LLC
Devlin Road Recycling & Transfer Facility
889-B Devlin Road
American Canyon, CA 94559
(707) 252-0500
stevek@devlinroadrecycling.com

Facility Name: K&M RECYCLING RECYCLE AMERICA ALLIANCE
Facility Location: 3562 Ramona Avenue, Sacramento, CA 95826
Latitude: 38.54306 Longitude: -121.41306

SWIS #: 34-AA-0191

Facility Type: Large Volume Construction, Demolition and Inert Debris Processing Facility

Facility Capacity: 1,000 tons/day

Facility Description: This facility is owned and operated by Waste Management Recycle America LLC. It processes commingled and source-separated construction and demolition materials for commodity market sales.

Commodities

Diversion

Rate: 70%

Participating

Jurisdictions: City of Fairfield

Facility Contact: Derek Harrington
3562 Ramona Avenue
Sacramento, CA 95826
Phone: (916) 452-0142
dharring@wm.com

Facility Name: M&M SERVICES, INC.
Facility Location: 590 Caletti Avenue, Windsor, CA 95492
Latitude: 38.52138 Longitude: -122.79234

SWIS #: 49-AA-0398

Facility Type: Medium Volume – Construction, Demolition, and Inert Debris Processing

Facility Capacity: 175 tons/day

Facility Description: This facility is owned and operated by M&M Services, Inc. This facility accepts source-separated C&D materials for sorting, separation and processing for re-use and recycling.

Commodities Diversion Rate: 73%

Participating Jurisdictions: City of Fairfield

Facility Contact: Dustin Abbott
590 Caletti Avenue
Windsor, CA 95492
(707) 838-2597
dabbott@m&mservicesinc.com

Facility Name: NAPA MATERIALS DIVERSION FACILITY
Facility Location: 820 Levitin Way, Napa, CA 94559
Latitude: 38.2104 Longitude: -122.2654

SWIS #: 28-AA-0030

Facility Type: Large Volume Transfer/Processing Facility

Facility Capacity: 360 tons/day

Facility Description: This facility is owned by the City of Napa and operated by Napa Recycling and Waste Services. It processes C&D materials from residential and commercial recycling programs.

Commodities

Diversion

Rate: 97%

Participating

Jurisdictions: City of Fairfield
City of Vallejo

Facility Contact: Greg Kelley, General Manager
Napa Recycling and Waste Services
P.O. Box 659
Napa, CA 94558
(707) 255-5200
greg@NapaRecycling.com

Facility Name: WEST COUNTY RESOURCES RECOVERY, INC.
Facility Location: 101 Pittsburg Avenue, Richmond, CA 94801
Latitude: 37.9620 Longitude: -122.3643

Facility Type: Large Volume Transfer/Processing Facility

Facility Capacity: 1,200 tons/day

Facility Description: This facility is owned by Republic Services and operated by West County Resource Recovery, Inc. It processes commingled and source-separated materials accepted from residential and commercial recycling programs.

**Commodities
Diversion
Rate:** 85%

**Participating
Jurisdictions:** City of Fairfield
City of Suisun City
Unincorporated Solano County

Facility Contact: Peter Nuti, General Manager
West County Resource Recovery, Inc.
101 Pittsburg Avenue
Richmond, CA 94801
(510) 412-4503
pnuti@republicservices.com

Solano County NDFE 2nd Amendment

OPTIONAL Facilities

IN-COUNTY

Facility Name: ALCO IRON & METAL COMPANY
Facility Location: 629 Azuar Avenue, Vallejo, CA 94592
Latitude: 38.0983 Longitude: -122.2748

Facility Type: Recycling Center – Scrap Metal Recycler and Dealer

Facility Description: This facility receives source-separated ferrous and non-ferrous scrap metal to be processed for commodity market sales.

**Commodities
Diversion
Rate:** 96%

**Participating
Jurisdictions:** City of Fairfield
City of Suisun City
Unincorporated Solano County

Facility Contact: Kari Fletcher, General Manager
Alco Iron & Metal
629 Azuar Drive
Vallejo, CA 94592
(707) 562-1107
karifletcher@alcometals.com

Facility Name: CONCRUSH
Facility Location: 2216 Cement Hill Road, Fairfield, CA 94533
Latitude: 38.2881 Longitude: -121.9793

Facility Type: Recycling Center – Construction, Demolition, and Inert Debris Processing

Facility Capacity: 822 tons/day

Facility Description: This facility is owned and operated by ConCrush, Inc. It accepts rock, concrete and asphalt for crushing to create the minimum standard road base approved by the California Department of Transportation for sale to contractors.

Commodities Diversion Rate: 96%

Participating Jurisdictions: City of Benicia
City of Dixon
City of Fairfield
City of Rio Vista
City of Suisun City
City of Vacaville
City of Vallejo
Unincorporated Solano County

Facility Contact: Allen Hochstetler, President
ConCrush, Inc.
2216 Cement Hill Road
Fairfield, CA 94533
(707) 437-1239
allen@concrush.com

Facility Name: PACIFIC RIM RECYCLING
Facility Location: 3690 Sprig Drive, Suite A, Benicia, CA 94510
Latitude: 38.0674 Longitude: -122.1254

Facility Type: Recycling Center

Facility Capacity: 197 tons/day

Facility Description: This facility is owned and operated by Pacific Rim Recycling. It processes commingled and source-separated materials accepted from residential and commercial recycling programs.

**Commodities
Diversion
Rate:** 93%

**Participating
Jurisdictions:** City of Benicia
Unincorporated Solano County

Facility Contact: Steve Moore
Pacific Rim Recycling
3690 Sprig Drive, Suite A
Benicia, CA 94510
(707) 746-6067
more1023@aol.com

Facility Name: POTRERO HILLS LANDFILL
Facility Location: 3675 Potrero Hills Lane, Suisun, CA 94585
Latitude: 38.2118 Longitude: -121.9808

Facility Type: Recycling Center – Construction, Demolition, and Inert Debris Processing

Facility Capacity: 500 tons/day

Facility Description: This facility is owned by Waste Connections, Inc. and is operated by Potrero Hills Landfill and accepts source-separated C&D materials for sorting, separation and processing for re-use and recycling.

**Commodities
Diversion
Rate:** 90%

**Participating
Jurisdictions:** City of Fairfield
City of Suisun City
Unincorporated Solano County

Facility Contact: Jim Dunbar, General Manager
Potrero Hills Landfill
P.O. Box 68
Fairfield, CA 94533
(707) 432-4621
JamesDu@WasteConnections.com

Facility Name: RECOLOGY HAY ROAD
Facility Location: 6426 Hay Road, Vacaville, CA 95687
Latitude: 38.312 Longitude: -121.8372

Facility Type: Recycling Center – Construction, Demolition, and Inert Debris Processing

Facility Description: This facility accepts source-separated C&D materials for sorting, separation and processing for re-use and recycling purposes.

Commodities
Diversion
Rate: 90%

Participating
Jurisdictions: City of Dixon
City of Vacaville
City of Vallejo
Unincorporated Solano County

Facility Contact: Greg Pryor, General Manager
Recology Hay Road
6426 Hay Road
Vacaville, CA 95687
(707) 678-4718, x-24
gpryor@recology.com

Facility Name: RECOLOGY VALLEJO
Facility Location: 2021 Broadway Street, Vallejo, CA 94589
Latitude: 38.1424 Longitude: -122.2523

Facility Type: Recycling Center

Facility Capacity: 160 tons/day

Facility Description: This facility is owned and operated by Recology. It processes commingled and source-separated recyclables accepted from residential and commercial recycling programs.

Commodities

Diversion

Rate: 92%

Participating

Jurisdictions:

City of Dixon
City of Vacaville
City of Vallejo
Unincorporated Solano County

Facility Contact: Ed Farewell, General Manager
Recology Vallejo
2021 Broadway Street
Vallejo, CA 94589
(707) 552-3110
efarewell@recology.com

Facility Name: RECYCLING ZONE
Facility Location: 4989-B Peabody Road, Fairfield, CA 94533
Latitude: 38.28918 Longitude: -121.97003

Facility Type: Recycling Center

Facility Capacity: 164 tons/day

Facility Description: It processes commingled and source-separated recyclables accepted from residential drop-off customers, buy-back centers, and commercial accounts.

**Commodities
Diversion
Rate:** 96%

**Participating
Jurisdictions:** City of Fairfield
City of Suisun City
City of Vacaville
Unincorporated Solano County

Facility Contact: Jack Waite, President
Recycling Zone
4898-B Peabody Road
Fairfield, CA 94533
(707) 437-1301
(707) 396-0078, mobile
jack.waite@recyclingzone.org

Facility Name: SYAR INDUSTRIES, INC.
Facility Location: 885 Lake Herman Road, Vallejo, CA 94591
Latitude: 38.1011 Longitude: -122.1631

Facility Type: Recycling Center – Construction, Demolition, and Inert Debris Processing

Facility Description: Recycles base rock and source separates plastic, wood, and steel for commodity market sales.

**Commodities
Diversion
Rate:** 99%

**Participating
Jurisdictions:** City of Vallejo

Facility Contact: Mike Burneson, Plant Manager
Syar Industries, Inc.
P.O. Box 2540
2301 Napa-Vallejo Highway
Vallejo, CA 94589
(707) 558-1510
mburneson@syar.com

Solano County NDFE 2nd Amendment

OPTIONAL Facilities

OUT-OF-COUNTY

Facility Name: CONTRA COSTA WASTE SERVICE
Facility Location: 1300 Loveridge Road, Pittsburg, CA 94565
Latitude: 38.0162 Longitude: -121.8588

Facility Type: Recycling Center – Construction, Demolition, and Inert Debris Processing

Facility Capacity: 500 tons/day

Facility Description: This facility is owned and operated by Contra Costa Waste Services, Inc. It processes commingled and source-separated materials accepted from residential and commercial recycling programs.

**Commodities
Diversion
Rate:** 90%

**Participating
Jurisdictions:** City of Rio Vista
Unincorporated Solano County

Facility Contact: Jim Nejedly, Manager
Contra Costa Waste Services, Inc.
4080 Mallard Drive
Concord, CA 94524
jim@garaventaent.com

Facility Name: MOUNT DIABLO RECYCLING
Facility Location: 1300 Loveridge Road, Pittsburg, CA 94565
Latitude: 38.0162 Longitude: -121.8588

Facility Type: Recycling Center

Facility Capacity: 500 tons/day

Facility Description: This facility is owned and operated by Contra Costa Waste Services, Inc. It processes commingled and source-separated materials accepted from residential and commercial recycling programs.

**Commodities
Diversion
Rate:** 95%

**Participating
Jurisdictions:** City of Rio Vista
Unincorporated Solano County

Facility Contact: Keith Nance, Source Manager
Contra Costa Waste Services, Inc.
4080 Mallard Drive
Concord, CA 94524
(925) 757-7660
keith@garaventaent.com

Facility Name: SIMS METAL MANAGEMENT
Facility Location: 600 4th Street, Richmond, CA 94801
Latitude: 37.9404 Longitude: -122.3655

Facility Type: Recycling Center – Scrap Metal Recycler and Dealer

Facility Description: Recycles all common metal-based products, such as cars, aluminum cans, steel beams and fridges; electronics and IT equipment containing both metals and plastics, including computers, televisions, mobile phones, iPods and gaming consoles; submarines and airplanes.

**Commodities
Diversion
Rate:** 99%

**Participating
Jurisdictions:** City of Benicia
Unincorporated Solano County

Facility Contact: Jerry Hatchett, Division Manager
Sims Metal Management
600 South 4th Street
Richmond, CA 94801
(510) 412-5300

Facility Name: STANDARD IRON & METALS COMPANY
Facility Location: 4525 San Leandro Street, Oakland, CA 94601
Latitude: 37.7684 Longitude: -122.2156

Facility Type: Recycling Center – Scrap Metal Recycler and Dealer

Facility Description: Recycles ferrous and non-ferrous metals; and steel plate, beams, pipe, angles, and channels.

**Commodities
Diversion
Rate:** 99%

**Participating
Jurisdictions:** City of Dixon
City of Vacaville
City of Vallejo
Unincorporated Solano County

Facility Contact: Jason Allen, President
Standard Iron & Metals Company
4525 San Leandro Street
Oakland, CA 94601
(510) 535-0222
jallen@standardiron.net

Facility Name: STEEL MILL SUPPLY OF NAPA
Facility Location: 659 Napa Junction Road, American Canyon, CA 94558
Latitude: 38.1780 Longitude: -122.2492

Facility Type: Recycling Center – Scrap Metal Recycler and Dealer

Facility Description: Recycles ferrous and non-ferrous metals; and srp steel.

Commodities
Diversion
Rate: 96%

Participating
Jurisdictions: City of Vallejo

Facility Contact: Mark Lutz, President
Steel Mill Supply of Napa
659 Napa Junction Road
American Canyon, CA 94558
(707) 226-3950
ml.steelmill@comcast.net

County of Solano Solid Waste Service Area Boundaries Established November 2004

Solid Waste Service Areas

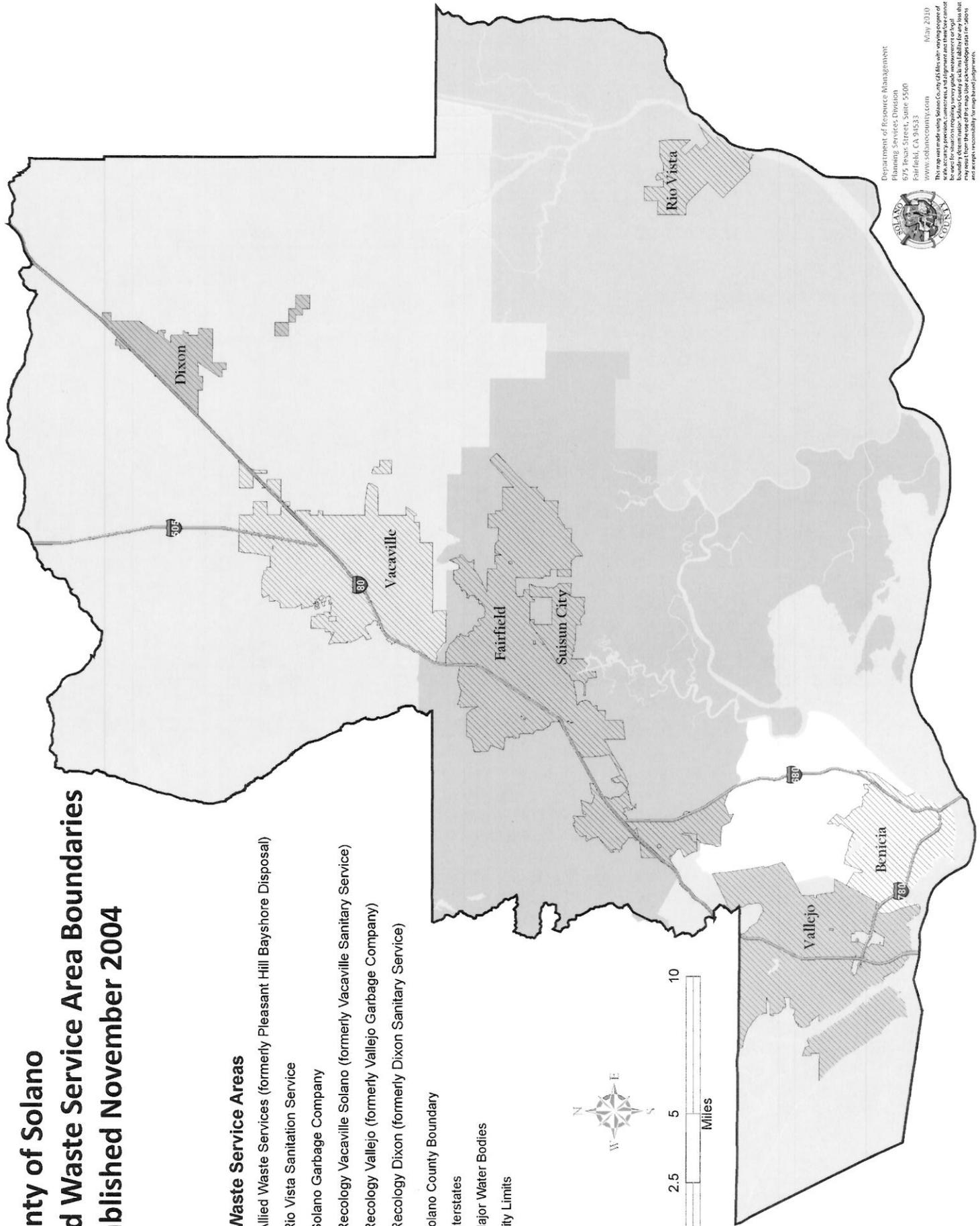
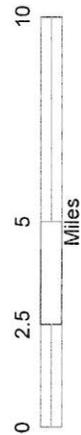
-  Allied Waste Services (formerly Pleasant Hill Bayshore Disposal)
-  Rio Vista Sanitation Service
-  Solano Garbage Company
-  Recology Vacaville Solano (formerly Vacaville Sanitary Service)
-  Recology Vallejo (formerly Vallejo Garbage Company)
-  Recology Dixon (formerly Dixon Sanitary Service)

 Solano County Boundary

 Interstates

 Major Water Bodies

 City Limits





 Department of Resource Management
 Planning Services Division
 675 Texas Street, Suite 5500
 Fairfield, CA 94533
 www.solanocounty.com
 May 2010
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