COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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GAIL FARBER, Director

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October 20, 2010

IN REPLY PLEASE EP-4
REFER TO FILE: A3454i

TO: Each Supervisor

FROM: Gail Farber
Director of Public Works

BOARD MOTION OF APRIL 20, 2010, ITEM NO. 44
CONVERSION TECHNOLOGIES IN LOS ANGELES COUNTY
PRELIMINARY SITING ASSESSMENT

On April 20, 2010, your Board unanimously approved three Memorandums of Understanding for three conversion technology demonstration projects and awarded a contract for consultant services for Phase III and Phase IV of the Southern California Conversion Technology Demonstration Project for the purpose of developing solid waste alternatives to landfills within Los Angeles.

At that time, your Board also instructed the Director of Public Works, in coordination with appropriate stakeholders, to assess the feasibility of developing a conversion technology facility at one or more County landfills; to identify other potentially suitable sites within Los Angeles County; and to report back to the Board within six months. The attached preliminary siting assessment is in response to this request.

The Board's action on April 20, 2010, sparked an unprecedented level of interest in conversion technologies, with many jurisdictions contacting Public Works requesting more information. Over the last six months, Public Works has reached out to all 88 cities as well as solid waste facility owners and operators in Los Angeles County, soliciting expressions of interest in developing a conversion technology facility. Additionally, Public Works hosted a Conversion Technology Informational Workshop on September 23, 2010, which was attended by over 200 representatives from the cities, solid waste industry, utilities, and environmental community.

Eleven stakeholders representing cities, solid waste companies, and industrial real estate developers have submitted 16 sites for consideration as follows:

- Landfills (Calabasas, Lancaster, Pebbly Beach, and Scholl Canyon)
- Materials Recovery and Transfer Facilities (3)
- Other Sites (9)

The attached site assessment provides a brief description of each of these sites, including advantages and challenges associated with each site. This preliminary site assessment considered technical factors such as site acreage, existing infrastructure, utilities, proximity to power and gas transmission lines, proximity to sensitive ecological areas, zoning, and other factors.

This assessment is not intended to be comprehensive nor is it designed to rank the sites. It is intended to establish a basis for future, more detailed technical and environmental assessments. This will assist the County in advancing the development of an optimal number of conversion technology projects within the County, which will assist in meeting the long-term solid waste management needs of County residents and businesses while generating local renewable energy, and retaining jobs and economic resources within the County.

Based on this general assessment, all of the sites identified appear feasible for development of a conversion technology facility and merit further consideration. It should be noted that prior to development of a conversion technology facility at any of these sites, and following the necessary technical environmental assessments, sites must comply with the requirements of all applicable Federal, State, and local permitting agencies.

Public Works will continue to work with interested stakeholders to identify potential project locations within the County, evaluate various technologies with Public Works' established criteria, and provide technical assistance to potential project developers. To keep your Board regularly informed on these developments, Public Works will submit a status report to your Board every six months.

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Attach.

cc: County Counsel
Chief Executive Office
Department of Public Health
Department of Regional Planning
Sanitation Districts of Los Angeles County
Los Angeles County Solid Waste Management Committee/Integrated Waste Management Task Force

LOS ANGELES COUNTY CONVERSION TECHNOLOGY PROJECT

Preliminary Siting Assessment

October 2010

A Report to the County of Los Angeles Board of Supervisors

1.0 INTRODUCTION

1.1 Background

For over a decade, the County of Los Angeles in coordination with the Los Angeles County Solid Waste Management Committee/Integrated Waste Management Task Force has been recognized as a leader in researching and advancing the development of conversion technologies (CTs). CTs are non-combustion thermal, chemical, mechanical, and biological processes capable of converting post-recycled residual solid waste into useful products and chemicals, green fuels, and clean, renewable energy. These technologies provide an opportunity to reduce the amount of solid waste sent to landfills, create local green-collar jobs, and recover resources from our waste. Managing waste through CTs would reduce waste going to landfills and preserve landfill capacity in the County.

Consistent with the Los Angeles County Board of Supervisors' directives, the Department of Public Works (Public Works) has followed a deliberate multi-phased approach for evaluating and promoting the development of CTs. Part of this approach has been supporting Statewide legislation that would create a comprehensive regulatory framework for CT development in California consistent with your Board's direction to "support legislation which promotes the development of alternatives to landfills, such as CTs that protect public health and safety and the environment; establish a viable permitting process for these alternatives based on performance standards rather than prescriptive definitions; provide full diversion and greenhouse gas emission reduction credits for these alternatives under applicable State law; and provide that all energy produced by these CT facilities be designated as renewable energy." Several attempts have been made in California to pass legislation that would enable CTs to be developed in a streamlined fashion. This includes your Board's support for the County's sponsorship of AB 1939 (2000), five-signature letter of support for AB 1090 (2005), and other legislative efforts. To date, those attempts have not succeeded; however, the most recent legislative attempt, AB 222 (Ma/Adams), took the issue further than before with a wide base of supporters from all sectors in the State. Public Works will continue to work with the Chief Executive Office to pursue legislation that would benefit future CT development in the County.

Public Works' technology evaluation process began with Phase I, which included a preliminary evaluation, screening and ranking of CT companies and identification of material recovery facilities and transfer stations (MRF/TS) that could potentially host a CT facility. Phase II consisted of a detailed evaluation of selected technologies and MRF/TS sites. Following Phase II, Public Works issued a Request for Offers to the recommended companies and sites, which resulted in the establishment of three project development teams that connected a CT company with a local MRF operator and site owner.

On April 20, 2010, the Los Angeles County Board of Supervisors approved Memorandums of Understanding with these three project development teams and

initiated a consultant agreement with Alternative Resources, Inc. (ARI) to assist Public Works with implementing Phases III and IV of the CT effort. Phase III consists of providing technical assistance to the three project teams towards successful development. The purpose of the Phase III projects is to demonstrate the technical, economic, and environmental viability of such facilities in Southern California, and to establish pathways for permitting and financing commercial scale CT projects. These three demonstration projects are at various stages of development and include both thermal and biological conversion processes.

Phase IV focuses on facilitating the development of commercial-scale CT facilities in Los Angeles County for the purpose of providing alternatives to landfill disposal of post-recycled municipal solid waste (MSW). During Phase IV, the County will work with various key stakeholders, including cities solid waste facility owners and operators, and CT companies to encourage the development of mutually beneficial projects within the County. Similar to the demonstration projects in Phase III, the County would provide support for these projects in the form of technical support through the consultant contract with ARI, as well as assistance with permitting and grant and loan procurement, while maximizing private-sector investment.

Also on April 20, 2010, the Board unanimously adopted a motion instructing the Director of Public Works to:

a) *In coordination with appropriate stakeholders, including the County Sanitation Districts and other appropriate County departments, assess the feasibility of developing a CT facility at one or more County Landfills; and*

b) *Report back to the Board within six months, with its findings regarding the development of a CT facility at a County landfill, and identifying other potentially suitable sites within Los Angeles County.*

In accordance with the Board Motion, for the past six months, Public Works and ARI met with numerous stakeholders, including the County Sanitation Districts of Los Angeles County (Sanitation Districts), cities and solid waste facilities owners and operators to identify potential sites for development of CT facilities and discuss opportunities for collaboration. Public Works also made a presentation to the County's Regional Planning Commission regarding its Phases III and IV efforts, and will be returning for a follow-up presentation in October.

Based on these discussions, Public Works developed a preliminary list of potential sites within Los Angeles County that could host a CT facility. Development of this preliminary list included conducting outreach, attending meetings, developing evaluation criteria, and gathering information necessary to evaluate the sites. These meetings are summarized in Section 2 of this assessment.

This preliminary site assessment considered factors such as site acreage, existing infrastructure, utilities, proximity to power and gas transmission lines, proximity to sensitive ecological areas, zoning, and other factors. Based on this general

assessment, all of the sites identified appear feasible for development of a CT facility and merit further consideration.

It should be noted that prior to development of a CT facility at any of these sites, the site must undergo rigorous technical end environmental assessments as well as comply with the requirements of all applicable Federal, State, and local permitting agencies.

1.2 Purpose and Goals

The purpose of this assessment is to identify potential partners and suitable sites in Los Angeles County for development of commercial-scale CT facilities.

CTs have the potential to benefit the communities of Los Angeles County in many ways, including:

- Reducing the amount of solid waste sent to landfills
- Creating local, green-collar jobs
- Providing cost competitive solid waste management options after the Puente Hills Landfill closes
- Numerous potential environmental benefits, including:
    - Producing renewable energy and biofuels, which can displace fossil fuels
    - Net reduction of pollutants, including groundwater contamination, criteria air emissions, toxic air contaminants, and greenhouse gases
    - Reducing dependence on landfill disposal and exportation of waste to remote landfill disposal sites
    - Recovering additional recyclables and other valuable products from the waste stream that would otherwise be disposed

The County envisions one or more commercial CT facilities, ranging in size, being developed throughout the County as a means to provide long-term solid waste management capacity, to reduce dependence on landfills, and to stabilize waste disposal rates. Such facilities would process primarily post-recycled MSW, but could potentially process other materials such as food and yard waste, biosolids, non-recycled construction and demolition (C&D) materials, and other non-hazardous waste streams.

This effort reinforces the County's long-term strategy to diversify our solid waste management options and ensure a minimum of 15 years of capacity for the solid waste that is generated within the County. This includes continuing to enhance and expand our recycling and waste reduction programs; expansion of solid waste management infrastructure; and development of CTs.

2.0 METHODOLOGY

Public Works met with the Sanitation Districts, interested cities, communities, companies in the waste management sector, solid waste facility owners and operators, and industrial real estate developers to develop this list of preliminary sites. This report represents a first-level evaluation of potential sites for a CT project by identifying advantages and challenges of each site. This preliminary evaluation is not intended to be exhaustive of all potential sites in the County, and did not rank the sites evaluated. Suitable sites, potentially including additional sites not yet identified in this report, will be evaluated in more detail and presented in the next stage of site assessment as part of Phase IV of the County's CT Project.

2.1 Process for Identification of Interested Parties

As described below, several methods were used to reach out to both public and private parties to determine interest to participate in the Phase IV program.

Cities with adopted Resolutions of Interest

Prior to the initiation of Phase IV, four cities proactively adopted City Council resolutions in support of developing a CT project:

- **Calabasas** - in January 2006, the City of Calabasas unanimously adopted a resolution supporting the County's efforts and requesting consideration of a CT facility at the Calabasas Landfill.

- **Glendale** - in October 2007, the City of Glendale unanimously adopted a resolution supporting the County's efforts to evaluate and promote CTs, to support enabling legislation, and to work with the County to ensure that the Scholl Canyon Landfill is considered for any future development of CT facilities.

  In addition, on April 20, 2010, the Glendale City Council unanimously approved an action item authorizing the city manager to assemble a project team to research, analyze, report, and recommend a waste conversion project for the City of Glendale. Glendale has issued a Request for Proposals for an environmental consultant to assist them in this endeavor.

- **Lancaster** - in June 2008, the City of Lancaster unanimously adopted a resolution supporting the County's efforts to evaluate and promote CTs, to support enabling legislation, and to work with the County to ensure Lancaster is considered for any future partnerships for the development of CT facilities.

- **Long Beach** - in July 2008, the City of Long Beach unanimously adopted a resolution in support of the County's efforts to evaluate and promote CTs, to support enabling legislation, and to work with the County to ensure Long Beach is considered for any future partnerships for the development of CT facilities.

Copies of the resolutions adopted by these cities are included in Attachment 1**.**

Letters sent to all Cities, MRFs/TSs, and Landfills to solicit additional interest

In an effort to reach beyond those cities and waste industry companies that were already familiar with the County's CT efforts, Public Works sent a letter to the city managers and recycling coordinators in all 88 cities, as well as solid waste facility owners and operators including MRFs/TSs and landfills in Los Angeles County. See Attachment 2 for a copy of the letter that was distributed to all 88 cities and solid waste facilities in Los Angeles County, describing the County's efforts to promote CT development and soliciting expressions of interest.

This letter described the County efforts to promote CT development and solicited expressions of interest. Public Works developed and distributed an evaluation checklist, so that interested parties could easily identify and submit a site for consideration in this preliminary siting assessment.

Cities that have expressed interest subsequent to Board action

Since the Board's action on April 20, 2010, additional cities have expressed interest in coordinating with the County to evaluate the benefits of a CT facility. These cities contacted Public Works requesting meetings and/or suggesting possible sites. In some cases, the County team reached out to jurisdictions that it knew were involved already or interested in CT projects. At this time, cities and other public jurisdictions expressing interest include:

- Avalon
- Beverly Hills
- Carson
- Los Angeles
- Pico Rivera
- Santa Clarita
- Torrance
- Vernon

On October 5, 2010, the Vernon City Council approved a resolution authorizing the City to submit a letter of interest to the County to participate in the County's CT *Program. Please see Attachment 3.*

Private Interest

In addition to public jurisdictions, several private companies that have been involved in the solid waste and CT industry in California have also come forward at this time, expressing interest and/or offering potential sites. These include:

- BLT Enterprises (BLT)
- Calmet Services (PRR)
- Green City Development, Inc.
- Mustang Power (The Dewey Group)
- Waste Resources Recovery (WRR)

County Sponsored Workshop on September 23, 2010

To achieve maximum participation and provide the broadest opportunities for jurisdictions and private companies to participate in Phase IV efforts, the County conducted a CT workshop that was attended by approximately 200 individuals (either in person or via Webinar). At the workshop, the County explained the purpose and goals of the project, summarized progress to date for Phases I, II, III, and IV, and invited the participation of attendees. Representatives of the companies for the demonstration projects for Phase III gave brief presentations, as did several project proponents for Phase IV.

As a result of this workshop, it is anticipated that additional potential partners and sites not currently identified in this report will be considered.

2.2 Summary of Meetings with Cities, MRFs/TSs, and Landfills

Public Works has held numerous meetings with public jurisdictions and companies that have expressed interest to date. As a key stakeholder in this endeavor, Public Works met several times with the Sanitation Districts to discuss options for publicly-owned landfills, which the Sanitation Districts owns and/or operates within the County. Details of these sites are included in Section 3 of this Assessment.

Overall, the meetings were very constructive with the parties showing a willingness to work together for mutual benefit. The public jurisdictions and private companies were generally receptive to the possibility of hosting or contributing waste to a CT facility and enthusiastic about the potential of a CT to offer an alternative to landfilling. Many jurisdictions expressed the desire to develop additional options for managing their residual waste with the pending closure of the Puente Hills Landfill and the uncertainty and higher cost for waste management in the future. CT projects were also viewed as possible revenue generating facilities for those cities considering hosting regional facilities, and a means to stabilize costs in the future.

In addition to the meetings that have been held to date, several parties expressed interest but were unable to accommodate a meeting prior to the issuance of this report. These potential stakeholders include the cities of Compton, Culver City, Inglewood, Los Angeles, Santa Clarita, and Torrance, and as well as BLT Enterprises and Pacific

Coast Waste & Recycling, LLC, local solid waste companies who have a strong interest in CT development.

Public Works will continue to meet with these and other interested parties as it moves forward in the evaluation of potential sites as part of Phase IV.

3.0 SITE EVALUATION

This section of the report identifies potential sites and presents the results of the preliminary site review to determine suitable sites.

3.1 Potential Sites

Three figures are attached in the enclosures that identify sites within the County for potential project development. Figure 1 shows all areas within the County that are zoned for general industrial, heavy industrial, light industrial, miscellaneous (i.e. landfills, quarry zones), or for utility uses. Figures 2 and 3 identify all active landfills and MRF/TS facilities, respectively, that are located within Los Angeles County. Most closed landfill sites have been converted into other uses such as open space, parks or golf courses, and are also surrounded by other potentially incompatible uses, including residential development. As a result, closed landfill sites were generally not included in this preliminary siting assessment.

Figure 4 identifies a total of 16 potential CT sites that were specifically identified and brought forward by 11 stakeholders. Further discussion is needed with the site owners and operators in order to determine their level of interest and whether or a not a project at any of these sites would be mutually beneficial and financially viable.

This preliminary siting assessment will be included as an enclosure to the State-mandated Countywide Siting Element that is currently being revised. The Siting Element must demonstrate that there is a countywide or region-wide minimum of 15 years of combined permitted disposal capacity through existing or planned solid waste disposal and transformation facilities or through additional strategies. Furthermore, all facilities that require a Solid Waste Disposal Facility Permit must be identified in the Siting Element and meet the facility siting criteria established in the Siting Element. Due to current regulatory uncertainty, it is still unclear whether or not certain CT facilities will require a Solid Waste Disposal Facility Permit. As such, Public Works is proactively including this preliminary list of sites in the Siting Element to fulfill that requirement.

3.2 Overview Description of Each Site

In this section, basic information regarding each of the potential sites provided to Public Works by each of the ten stakeholders is presented below. Public Works will continue to meet with these and other interested parties as it moves forward in the evaluation of potential sites as part of Phase IV.

Stakeholder: City of Avalon

The site identified is on the small operating landfill remotely located on the western tip of Catalina Island. It serves primarily the town of Avalon, where the vast majority of the island population lives and where most tourism occurs. The landfill is owned by the City of Avalon, but is located in unincorporated Los Angeles County. It is operated by

Seagull Sanitation under contract to the City of Avalon. The current zoning (landfill) and the surrounding land use (vacant, rugged terrain, and the wastewater treatment plant) are compatible with a CT project.

Stakeholder: City of Calabasas

The City of Calabasas has identified the Calabasas Landfill as a potential site for a CT project. The facility is owned by Los Angeles County and operated by the Sanitation Districts. In 2006, the City of Calabasas adopted a resolution of support for the County's CT efforts and specifically requested consideration of a CT facility at the Calabasas Landfill.

Public Works has met with the Sanitation Districts and reviewed potential sites on the landfill property. Advantages of this site include the fact that it is an operating landfill, its use is supported as a site by the City of Calabasas and the Sanitation Districts, access off the freeway is excellent and there could be synergies with the existing landfill gas and energy recovery system. Challenges include the limited space within the property boundary, most of which is mountainous terrain; and the location of the landfill within a National Recreation Area. Current Federal regulations do not allow new waste disposal sites to be located in a national park. Due to the current regulatory uncertainty whether a CT facility is considered a disposal facility, this may require changes to Federal regulations and Federal permits as well as State and local approvals. In addition, the landfill historically received about 1,800 tons per day (tpd), but now receives about 800 tpd due to the recession and major waste haulers shipping their waste to their own landfills. Additional tonnage would likely be necessary to allow both the landfill and a CT facility to be financially viable.

Stakeholder: Calmet Services

Calmet Services, a solid waste hauling company in Los Angeles County, is in the preliminary stages of considering a CT facility that would be collocated at their MRF/TS in Paramount. The CT project could take advantage of the existing infrastructure at MRF/TS, owned and operated by Calmet Services. The site is zoned industrial and has good truck access and full utilities. The company is looking at various conversion technologies and has not yet settled on a preferred one. Calmet is the franchise hauler for several cities in the central Los Angeles basin.

This site has the advantage of being co-located with an existing MRF/TS facility and can thus make use of the existing infrastructure and processing capability. The site is of sufficient size, is zoned industrial, fully serviced with utilities, and is surrounded by other industrial uses and the Burlington Northern Santa Fe (BNSF) main line. The site also has very good truck access.

Stakeholder: City of Carson

Four sites were proposed by representatives from the City of Carson's Planning and Public Works Departments in recent meetings. Two sites are within refinery complexes,

and are industrially-zoned and currently undeveloped. Additional discussion will need to take place between the City of Carson and the property owners to determine whether a project would be feasible and mutually beneficial. Another potential advantage of locating a CT facility on these sites is the potential for these refineries to use the products from a CT facility, such as biogas, syngas, heat, or hydrogen.

The third site is a 14-acre corporate yard owned by the City and currently utilized for City public works operations. The City is planning to relocate their corporate yard, which would free up this land. This is an advantageous site due to its industrial zoning, access to rail and utilities, and City ownership.

The fourth site proposed by the City is the Joint Water Pollution Control Plant (JWPCP) which is owned and operated by the Sanitation Districts in the City of Carson. There are possible synergies between the treatment plant and the CT project in that the latter can manufacture products useful to the former such as biogas, electricity, transportation fuel, and heat. The advantages of this site are that it is located within the treatment plant in a heavy industrial area with full utilities and good access. Additional discussions are needed with the Sanitation Districts to determine if a project would be feasible and mutually beneficial.

Stakeholder: City of Glendale

The City of Glendale is investigating the possibility of utilizing Scholl Canyon Landfill as a potential site for a CT project. This 500-acre landfill is owned by the City (90 percent) and the County (10 percent), and is operated by the Sanitation Districts under a Joint Powers Authority between the City and the County. The wasteshed for the landfill is restricted to the cities of Glendale, Pasadena, South Pasadena, La Canada/Flintridge, Sierra Madre, and San Marino. The City also collects all residential and most of the commercial accounts within Glendale.

At present rate of fill, the landfill has approximately 20 years of life, plus another 10-20 years with a planned expansion. Utilities are available, including a transmission line that runs across the site.

On April 20, 2010, the Glendale City Council unanimously approved an action item authorizing the city manager to assemble a project team to research, analyze, report, and recommend a waste conversion project for the City of Glendale. Glendale has issued a Request for Proposals for an environmental consultant to assist them in this endeavor.

The advantages of this site are that it is an active landfill with a full solid waste facility permit, and primarily owned by the City of Glendale who has shown very strong support for a CT project and is continuing to pursue development of a CT project. The site is well positioned in an urban area. Access is excellent and potential synergy exists with the exiting landfill gas treatment and pipeline transportation system. A potential challenge is the limited space within the property boundary, much of which is mountainous terrain.

Stakeholder: Green City Development, Inc.

Green City Development, Inc. is an industrial land developer who owns a 115-acre parcel within the City of Santa Clarita. The site was previously used for oil drilling, but is not currently in operation, and the owner is proposing to develop a MRF and CT facility on the site, among other uses. The site has available utilities and truck access. Advantages of this site are that it is owned by the proponent, and has sufficient space, utilities, truck access, proper zoning, and is identified as an energy generation site by the California Energy Commission.

Stakeholder: City of Lancaster

The City of Lancaster met with Public Works to discuss how CTs may align with their city's environmental objectives. In 2008, the City of Lancaster unanimously adopted a resolution supporting the County's efforts to evaluate and promote CTs, to support enabling legislation, and to work with the County to ensure Lancaster is considered for any future partnerships for the development of CT facilities.

Two potential sites were discussed, the Lancaster Landfill which is located in the unincorporated area near the City, and a solar power plant located within the City boundaries. Waste Management, Inc., the owner and operator of the Lancaster Landfill, has been investing in CT companies and looking to possibly build a project at or near the landfill. Public Works may pursue additional conversations with Waste Management, Inc., and the City of Lancaster to determine if a project is mutually beneficial.

Also close to the Lancaster Landfill is the new Sun Tower Power Sierra Generating Station. The 5 MW solar power plant is located on a 95-acre parcel of which it is leasing 50 acres. Advantages of the site include sufficient space, utilities, truck access, and proper zoning. This site will require more discussion with both the City and Sun Tower Power to determine if a project is mutually beneficial.

Stakeholder: City of Long Beach

In July 2008, the City of Long Beach unanimously adopted a resolution in support of the County's efforts to evaluate and promote conversion technologies, to support enabling legislation, and to work with the County to ensure Long Beach is considered for any future partnerships for the development of CT facilities.

Public Works, in recent meetings with the City of Long Beach, discussed the possibility of siting a CT facility within the Port of Long Beach or land owned by the Port. Given the industrial zoning, proximity to utilities, truck and rail access, opportunities may exist to develop a CT facility at one or more locations. Public Works will continue to discuss options with the City and Port of Long Beach to determine if a project would be feasible and mutually beneficial.

Stakeholder: Mustang Power

Mustang Power, a CT development company, is proposing a 10-20 acre portion of a 71-acre industrially zoned site that includes approximately 14 acres previously operated as a landfill. Mustang Power owns the site in the Sylmar area in partnership with an investor group. The site has available utilities and easy truck access to the 210 and 118 freeways. Advantages of this site are that it is owned by the proponent, and has sufficient space, utilities, truck access, proper zoning, does not conflict with residential areas, and is located in a County Unincorporated area.

Stakeholder: Valley Vista Services

Valley Vista Services along with Onsite Power are in the process of developing a CT project at Valley Vista's Grand Central Recycling & Transfer Station in the City of Industry. The technology utilized would be the UC Davis Anaerobic Digestion process. The entire site of roughly 25 acres houses the MRF/TS, collection truck yard, corporate headquarters, and fueling stations. The CT facility would receive approximately 125 tpd of food waste and 125 tpd of green waste in the first phase, with the possibility to expand eventually. The project would produce pipeline quality biomethane for injection into the Gas Company distribution system. The site is fully developed and surrounded by industrial uses. This site has the advantage of being co-located with an existing MRF/TS facility and can thus make use of the existing infrastructure and processing capability. The site is of sufficient size, is zoned industrial, fully serviced with utilities, and is surrounded by other industrial uses. The site also has very good truck access.

Stakeholder: Waste Recovery and Recycling (WRR)

Public Works met with Waste Recovery and Recycling (WRR), a solid waste hauler in Los Angeles County, who is interested in co-locating a CT facility at their MRF/TS in an unincorporated area near Gardena. This site has the advantage of being co-located with an existing MRF/TS facility and can thus make use of the existing infrastructure and processing capability. The site is of sufficient size, is zoned industrial, fully serviced with utilities, is surrounded by other industrial uses, and is located in a County Unincorporated area. The site also has very good truck access. WRR is focusing on a thermal CT process.

4.0 NEXT STEPS

The next step in the Phase IV process will include a detailed comparative evaluation of the sites that were identified in this preliminary assessment. This detailed analysis will include gathering additional information that was not available at the time of the preliminary screening assessment, assessing site aspects expanding beyond the screening criteria, and continuing discussions with prospective stakeholders.

In addition to siting efforts, Public Works will continue evaluation of viable technology vendors to participate in Phase IV efforts. The conversion technology industry has matured and expanded since Public Works last conducted technology evaluations as part of Phases I and II. As such, Public Works will review the qualifications of technology vendors interested in participating in a Phase IV project and the viability of site specific projects in light of the needs expressed by the Stakeholders. Public Works will continue to work with the stakeholders identified in this Assessment, as well as others, to determine their goals and objectives, to evaluate and select a viable technology and project configuration, and to facilitate the development of suitable facilities.

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LOS ANGELES COUNTY
CONVERSION TECHNOLOGY PROJECT

Preliminary Siting Assessment

ATTACHMENTS AND FIGURES

ATTACHMENT 1

CITY RESOLUTIONS
(Calabasas, Glendale, Lancaster, Long Beach)

RESOLUTION NO. 2006-997

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CALABASAS, CALIFORNIA, SUPPORTING THE SOLID WASTE CONVERSION TECHNOLOGY AND REQUESTING A FACILITY AT THE CALABASAS LANDFILL

WHEREAS, the 2003-2004 California Waste Composition Study indicates that approximately 40 million tons of waste is landfilled in California; and

WHEREAS, Zero Waste is a primary goal of the California Integrated Waste Management Board's strategic plan; and

WHEREAS, Assembly Bill 2770 required the California Integrated Waste Management Board (CIWMB) to research and evaluate new and emerging non-combustion thermal, chemical, and biological technologies and to submit a report to the Legislature; and

WHEREAS, the Conversion Technology Report submitted to the Legislature supported the following major findings:

1. Conversion technologies are distinct from landfills and incineration, and can result in substantial environmental benefits for California, including the production of renewable energy, reduced dependency on fossil fuels, and reduction of greenhouse gases.
2. Conversion technologies can enhance landfill diversion efforts and can be complementary to the existing recycling infrastructure. The conversion technology facilities complement the local infrastructure and that they maintain or enhance the environmental benefits and economic sustainability of the Integrated Waste Management System.
3. Conversion technologies would be expected to meet federal, state, and local air emissions requirements. Local air districts in California are best equipped to review and condition conversion technology facilities.

WHEREAS, Assembly Bill 1090 reprioritizes California's waste management hierarchy to include conversion technologies and properly define these technologies based on sound science and their environmental impacts and benefits in relation to other solid waste management options.

WHEREAS, there are multiple benefits to the Conversion Technologies such as:

1. Waste materials are reduced in volume by up to 90%, significantly reducing the need for landfill space. In some cases the residual ash can be used in construction products such as concrete or brick production.

2. Synthetic gas or methane produced by these processes is used to generate electricity.
3. Co-locating these facilities with a comprehensive recycling and materials recovery operation assures that most inorganic materials and other recoverable items are removed for recycling or reuse prior to conversion processing. Advanced removal of inorganic items also reduces ash and other waste by-products requiring landfilling.
4. Significant reduction in physical space requirements compared to landfills.

WHEREAS, the Environmental Commission received testimony from the Los Angeles County engineering staff on the solid waste conversion technology during the public meeting of December 6, 2005 and made a recommendation to the City Council for approval of this resolution.

NOW THEREFORE, BE IT RESOLVED AS FOLLOWS:

1. With landfill space at a premium, and disposal rates estimated to increase, Los Angeles County must invest in landfill alternatives, such as conversion technologies, that inhibit disposal rates, generate jobs, and utilize abundant biomass and organic waste material in an environmentally beneficial manner.

2. Waste recycling must be extended to establish a statewide recycling goal and local planning requirements, develop an extensive recycling and composting infrastructure, increase removal of hazardous materials from the waste stream, establish advanced disposal fees and other manufacturer responsibility measures in conserving natural resources and reducing our dependence on landfills.

3. In supporting efforts by the Alternative Technology Advisory Subcommittee, the Calabasas City Council strongly requests that a construction of conversion technology facility at the Calabasas Landfill be considered for any future planning of facilities within Los Angeles County.

PASSED AND APPROVED AND ADOPTED this _____ day of _____ 2006.

_____
Barry Groveman, Mayor

ATTEST:

_____
Gwen Peirce, Assistant City Clerk

APPROVED AS TO FORM:

_____
Michael Colantuono, City Attorney

Adopted
10-23-07
Weaver/Quintero
All Ayes

RESOLUTION NO. 07-188

A RESOLUTION OF THE COUNCIL OF THE CITY OF GLENDALE, CALIFORNIA, SUPPORTING THE DEVELOPMENT OF SOLID WASTE CONVERSION TECHNOLOGIES

WHEREAS, each year, over 40 million tons of waste are disposed in California; and

WHEREAS, the County of Los Angeles has evaluated conversion technologies, which are capable of converting post-recycled residual solid waste into marketable products, green fuels, and clean, renewable energy, and identified a number of viable technologies for Southern California; and

WHEREAS, there are significant. potential benefits for the City of Glendale from co-locating a conversion technology facility at a solid waste facility, such as:

1. Conversion technologies can result in substantial environmental benefits, including preserving land and resources, reducing dependency on fossil fuels, and reducing air and water pollution, including greenhouse gas emissions.
2. Conversion technologies can enhance landfill diversion efforts and can be complementary to the existing recycling infrastructure, thereby reducing the volume of materials disposed at landfills and maintaining long-term landfill capacity.
3. Conversion technologies can recover marketable products and generate green fuels and renewable electricity, thereby enhancing the economic viability of the integrated waste management system and locally producing renewable energy resources to meet local demand.

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF GLENDALE,

SECTION 1. That the Council supports the County of Los Angeles' efforts to evaluate and promote development of conversion technologies that minimize landfill disposal, create "green" jobs, and utilize waste material in an environmentally beneficial manner.

SECTION 2. That City Public Works staff are authorized and directed to work with the County of Los Angeles to ensure that the Scholl Canyon Landfill is considered for any future development of conversion technology facilities.

SECTION 3. That the City's legislative advocates are authorized and directed to work, in concert with the County of Los Angeles, to support legislation that establishes a viable permitting process for conversion technologies based on performance standards rather than prescriptive definitions and provides full diversion credit for these technologies under the California Integrated Waste Management Act.

Adopted this 23rd day of October, 2007.

Mayor, City of Glendale

ATTEST:

City Clerk

APPROVED AS TO FORM

CITY ATTORNEY

DATE 10-12-07

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES)
CITY OF GLENDALE)

I, Ardashes Kassakhian, City Clerk of the City of Glendale, do hereby certify that the foregoing Resolution No. was duly adopted by the Council of the City of Glendale, California, at a regular meeting held on the 23rd day of October, 2007 and that the same was adopted by the following vote:

Ayes: Drayman, Quintero, Weaver, Yousefian, Najarian

Noes: None

Absent: None

Abstain: None

City Clerk

lancaster ca
it's positively clear.

July 3, 2008

Supervisor Yvonne B. Burke, Chair
Los Angeles County Board of Supervisors.
866 Kenneth Hahn Hall of Administration
500 West Temple Street
Los Angeles, California 90012

Re: CITY OF LANCASTER LETTER OF INTEREST FOR THE DEVELOPMENT OF CONVERSION TECHNOLOGIES IN LOS ANGELES COUNTY

Dear Supervisor Burke:

On behalf of the City of Lancaster, I wish to express our interest and support for the development of conversion technologies in Los Angeles County, and the Antelope Valley in particular. As a leader in resource conservation and environmental stewardship, Lancaster advocates local implementation of conversion technologies encompassing a variety of processes that will convert municipal waste into renewable energy, bio-fuels, and will enhance landfill diversion efforts.

The City of Lancaster applauds and supports the County's efforts to evaluate and promote development of conversion technologies that minimize landfill disposal, create "green collar" jobs, and utilize waste material in an environmentally responsible and beneficial manner. We look forward to the continued opportunity to work with the County of Los Angeles to ensure that Lancaster is considered for any future partnerships for the development of a conversion technology facility.

A resolution of the City Council adopting the development of conversion technologies in the City of Lancaster is attached. If you have any questions, please contact Mr. Peter Zorba at (661)723-6234 or at pzorba@cityoflancasterca.org.

Sincerely,

R. Rex Parris
Mayor

RRP:PZ:vp

Attachment: Resolution No. 08-49

cc: Michael D. Antonovich, Los Angeles County Supervisor, 5th District
Mark Bozigian, City Manager, City of Lancaster
Randy Williams, Public Works Director, City of Lancaster
Peter Zorba, Environmental Engineer, City of Lancaster
Coby Skye, Alternative Technology Advisory Subcommittee, Los Angeles County Department of Public Works, Environmental Programs Division

RESOLUTION NO. 08-49

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LANCASTER, CALIFORNIA, ADOPTING THE DEVELOPMENT OF CONVERSION TECHNOLOGIES IN THE CITY OF LANCASTER

WHEREAS, each year, over 40 million tons of waste are disposed in California; and

WHEREAS, the County of Los Angeles has evaluated conversion technologies, which are capable of converting post-recycled residual solid waste into marketable products, green fuels, and clean, renewable energy, and identified a number of viable technologies for Southern California; and

WHEREAS, there are significant potential benefits for the City of Lancaster from hosting a conversion technology facility, such as:

1. Conversion technologies can result in substantial environmental benefits, including preserving land and resources, reducing dependency on fossil fuels, and reducing air and water pollution, including greenhouse gas emissions.
2. Conversion technologies can enhance landfill diversion efforts and can be complementary to the existing recycling infrastructure, thereby reducing the volume of materials disposed at landfills and maintaining long-term landfill capacity.
3. Conversion technologies can recover marketable products and generate green fuels and renewable electricity, thereby enhancing the economic viability of the integrated waste management system and locally producing renewable energy and fuel resources to meet local demand.

NOW, THEREFORE, BE IT RESOLVED AND ORDERED BY THE CITY COUNCIL OF THE CITY OF LANCASTER, STATE OF CALIFORNIA, THAT:

Section 1. The Council supports the County of Los Angeles' efforts to evaluate and promote development of conversion technologies that minimize landfill disposal, create "green collar" jobs, and utilize waste material in an environmentally beneficial manner.

Section 2. City Public Works staff are authorized and directed to work with the County of Los Angeles to ensure that the City of Lancaster is considered for any future partnerships for the development of conversion technology facilities.

Section 3. The City's legislative advocates are authorized and directed to work, in concert with the County of Los Angeles, to support legislation that establishes a viable permitting process for conversion technologies based on performance standards rather than prescriptive definitions, and provides full diversion credit for these technologies under the California Integrated Waste Management Act.

PASSED, APPROVED and ADOPTED this 24th day of June, 2008, by the following vote:

AYES: Council Members: Mann, Marquez, Sileo, Vice Mayor Smith, Mayor Parris

NOES: None

ABSTAIN: None

ABSENT: None

ATTEST:

GERI K. BRYAN, CMC
City Clerk
City of Lancaster

APPROVED:

R. REX PARRIS
Mayor
City of Lancaster

STATE OF CALIFORNIA }
COUNTY OF LOS ANGELES } ss
CITY OF LANCASTER }

CERTIFICATION OF RESOLUTION
CITY COUNCIL

I, Shirley Mahoney, Assistant City Clerk City of Lancaster, California, do hereby certify that this is a true and correct copy of the original Resolution No. 08-49, for which the original is on file in my office.

WITNESS MY HAND AND THE SEAL OF THE CITY OF LANCASTER, on this 26th day of June, 2008.

(seal)

City of Long Beach

Legislative File Number 08-0670 (version 1)

Recommendation to respectfully request City Council support the County of Los Angeles' efforts to evaluate and promote development of next generation conversion technologies that minimize landfill disposal, create "green collar" jobs, and utilize waste material in an environmentally beneficial manner.

Request that City Manager work with the County of Los Angeles to ensure that Long Beach is considered for any future partnerships for the development of conversion technology facilities.

Request City's legislative advocates work with the County of Los Angeles to support legislation that establishes a viable permitting process for conversion technologies that protect public health, safety and the environment, and provides full diversion credit for these technologies under the California Integrated Waste Management Act.

The City of Long Beach is among the nation's leaders in waste diversion due to the thoughtful planning and investment by city leaders and the Environmental Services Bureau in the Southeast Resource Recovery Facility (SERRF), which began commercial operation in 1988. According to City documents, SERRF is a publicly owned solid waste management facility that uses mass burn technology to reduce the volume of solid waste by about 80% while recovering electrical energy. The facility is owned by a separate authority created by a joint powers agreement between the Sanitation Districts of Los Angeles County and the City of Long Beach, but is operated by a private company under contract. Residential and commercial solid waste from Long Beach and surrounding contracting communities is combusted in high temperature boilers to produce steam, which in turn is used to run a turbine-generator creating 36 megawatts of electricity. The SERRF site generates enough power each year to supply 40,000 residential homes with electricity and has reduced solid waste from entering landfills by over four million cubic yards. In addition, the SERRF site has allowed the City to keep the cost for waste management significantly below average, passing the savings on to our residents in their monthly bills. Each month, an average 825 tons of metal are recycled rather than sent to a landfill. As a public service and at the request of law enforcement agencies within California, SERRF began destroying narcotics and drug related paraphernalia in 1992. The program has been a tremendous success. SERRF has destroyed an average of 17,000 pounds of narcotics each month. This commitment by the City of Long Beach to assist in the removal of illegal narcotics from our cities' streets has saved law enforcement agencies hundreds of staff hours and thousands of dollars in alternative disposal costs.

The County of Los Angeles has evaluated next generation conversion technologies, which

are capable of converting post-recycled residual solid waste into marketable products, green fuels, and clean, renewable energy, and identified a number of viable technologies for Southern California. This next generation thermal conversion technology differs from our current SERRF technology in that it eliminates the residue combustion ash, which is currently treated and sent to an authorized landfill to be used as road base material. This difference is significant, since the only local landfill permitted to receive the ash is Puente Hills and it is scheduled to close in 2013.

Our existing SERRF site provides a valuable service to the residents of our city, pushing our diversion rate to 69% and converting our waste to electricity. However, next generation conversion technologies can further enhance our efforts to become our own "wasteshed", Conversion technologies may also provide us with the electricity necessary to support increased demand from cold-ironing in the harbor and Port. Just as our predecessors pursued technologies reducing the economic and environmental impacts of sending waste to local landfills, it makes sense that we explore opportunities to increase our conversion rate, better serve our residents, and further diminish our footprint on the environment.

None.

None.

Approve recommendation.

Suja Lowenthal
Councilmember, Second District

ATTACHMENT 2

LETTER TO CITIES

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (626) 458-5100
http://dpw.lacounty.gov

GAIL FARBER, Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

IN REPLY PLEASE
REFER TO FILE: EP-4

August 18, 2010

NAME
TITLE
ADDRESS
CITY, STATE, ZIP

Dear NAME:

INVITATION TO PARTICIPATE IN EFFORTS TO DEVELOP CONVERSION TECHNOLOGY FACILITIES IN LOS ANGELES COUNTY

The Los Angeles County Department of Public Works and the Integrated Waste Management Task Force continue to pursue the development of vital conversion technologies to help reduce our dependence on landfill disposal and provide new sources of renewable energy Enclosed please find a fact sheet with additional information regarding the program.

On behalf of both Public Works and the Task Force, I would like to invite you to join us in this critical effort by participating in an informational workshop, to be held on **Thursday, September 23, 2010,** from 8 a.m. to 1 p.m. at Public Works Headquarters, 900 South Fremont Avenue, Alhambra, California. Additional information regarding the workshop, including registration, is available online at www.SoCalConversion.org. Complimentary continental breakfast and lunch will be provided.

The workshop will outline three conversion technology demonstration projects recently approved by the Los Angeles County Board of Supervisors and provide the opportunity for you to learn about the County's conversion technology program and discuss regional conversion technology developments.

In addition, we would like to know if you have a site that may be suitable for development of a conversion technology facility Should you have interest in participating, we urge you to fill out and return the checklist as soon as possible so that your city can be properly represented in the report to the Los Angeles County Board of

Supervisors in October Expressing interest by filling out the checklist does not commit you to the project. It is a first step in evaluating if a project would be mutually beneficial.

If you have any further questions, or would like to meet to discuss the conversion technology program, please contact Mr Coby Skye of this office at (626) 458-5163, Monday through Thursday, 7 a.m. to 5.30 p.m., or by email at cskye@dpw.lacounty.gov.

Very truly yours,

GAIL FARBER
Director of Public Works

Pat Proano

PAT PROANO
Assistant Deputy Director
Environmental Programs Division

Enc.

TM:kp
P:\SEC\Convr Tech Mayor Mail Merge_8-17-10

cc: Each City Mayor in Los Angeles County
Each City Recycling Coordinator in Los Angeles County
Each Member of the Los Angeles County Integrated Waste Management Task Force

Checklist for Preliminary Site Information

Contact Person		**Site Information**	
Name:		Site Name:	
Affiliation:		Address/ Location:	
Address:			
Telephone:			
Email:			

Please provide as much information as possible

How big is the site (in acres)*?

Are there any known site characteristics that would reduce the acreage usable for project development, such as floodplain, wetlands, endangered/threatened species and/or critical habitat, underlying fill material (i.e. a landfill), etc.? Please describe and quantify, if possible.

**Minimum of 6-8 acres is recommended to support a commercial CT facility that is not co-located with an existing solid waste facility, larger sites (15-25 acres) provide flexibility to support larger-scale projects that may be more economically viable. Co-location with usable infrastructure can reduce size requirements.*

Please describe the current and planned future use of the site, e.g., undeveloped land; previously used and currently inactive; in current use for other purposes, etc.

Please describe current use of the properties adjacent to the subject site

Please identify existing infrastructure on the site that could be usable for a project, such as roads, weigh scales, receiving and storage buildings, recycling equipment, etc., (e.g., as may be affiliated with an existing waste management facility).

Please identify the utilities that are available at the site, such as water, reclaimed water, sewer, gas, electricity, and telephone.

What is the location of the nearest gas transmission main, electrical transmission line (i.e., 13.8 kV or greater), and/or substation for potential interconnection for sale of pipeline quality gas and/or electricity?
What is the zoning of the site (e.g., light, medium or heavy industrial, etc.)?
Does the site include a permitted Solid Waste Facility (e.g. MRF, transfer station, landfill)? If the project is anticipated to be co-located with an existing solid waste management facility: What is the current permitting capacity of that facility (tons per day)? What is the average amount of waste received (tons per day)?
Is the site located within a Coastal Zone, designated as Williamson Act land, Sensitive Ecological Area, or otherwise in an area that could complicate permitting and project development efforts?
Is the site within an Environmental Justice Zone, or are there other environmental justice issues or concerns related to the site?
What other types and quantities of solid waste may be available for a project (e.g., green waste, construction & demolition debris, industrial waste, etc.)?
Please specify who is the owner of the site, and if applicable, the operator of any existing operations at the site:

Please return your completed evaluation form to:

Los Angeles County Department of Public Works
Environmental Programs Division
ATTN: Coby Skye, Project Manager
900 S. Fremont Ave, Annex 3rd Floor
Alhambra, CA 91803

OR by e-mail to
cskye@dpw.lacounty.gov

Background

Since 2004, Public Works in conjunction with the Los Angeles County Integrated Waste Management Task Force has been evaluating and pursuing the development of conversion technologies (CTs) to reduce our dependence on landfill disposal. Conversion technology facilities include biological, non-combustion thermal, mechanical, and/or chemical processes that convert solid waste to renewable energy (electricity and fuels) and other beneficial products, providing greater than 80 percent diversion from landfill disposal and reduced air emissions. Such technologies are often paired with pre-processing equipment that recovers additional recyclable material while also preparing the waste for conversion.

To date, the County has followed a deliberate multi-phased approach in evaluating and promoting the development of conversion technologies.

- Phase I included a preliminary evaluation, screening and ranking of CT companies, and identification of material recovery facilities and transfer stations (MRF/TS) that could potentially host a CT facility

- Phase II consisted of a detailed evaluation of selected technologies and MRF/TS sites, followed by a Request for Offers that was issued to recommended companies and sites.

- Phase III is currently underway and focuses on County support to construct three CT demonstration projects in Southern California with companies that responded to the County's Request for Offers. The purpose of these projects is to demonstrate the technical, economic, and environmental viability of such facilities in Southern California. These three demonstration projects are at various stages of development and include both thermal and biological conversion processes

- The County has recently initiated Phase IV activities, which focus on establishing larger, commercial-scale CT facilities in Los Angeles County for the purpose of providing alternatives to landfill disposal of post-recycled municipal solid waste (MSW) The County envisions one or more commercial CT facilities being developed in Los Angeles County as a means to provide long-term solid waste management capacity for post-recycled MSW residuals destined to landfills, to reduce our dependence on exporting waste to remote landfill sites outside of the County, and to stabilize waste disposal rates.

Benefits of Conversion Technologies

If your City participates as a host community and/or partner in the development of a commercial CT facility, the possible advantages of such a project include:

- reduction in truck traffic due to onsite conversion of residual waste into energy
- extension of landfill life due to conversion of waste into energy
- potential for revenue and/or use of energy and other products from the CT project
- provision of a long-term, reliable, and cost-competitive means of solid waste management for your community's municipal solid waste
- if the facility is to be a regional facility, the potential for host community benefits
- potential for additional City revenue and/or use of energy and other products from the CT project (e.g electricity, transportation fuels, aggregate, compost, etc.)
- assistance from the County in applying for grants and other types of financial assistance and funding for the CT project
- assistance from the County in land use and environmental permitting
- assistance from the County in public relations and outreach activities

Next Steps

At the request of the Los Angeles County Board of Supervisors, Public Works is preparing a Siting Feasibility Study identifying potential conversion technology sites within Los Angeles County. This study will be presented to the Board of Supervisors in October 2010. In advance of this study, we will be hosting a special workshop on **Thursday, September 23, 2010,** beginning at 8 a.m. here at 900 South Fremont Avenue, Alhambra, California 91803. The purpose of this workshop is to provide more information about the County's conversion technology project and answer questions from interested parties regarding the potential benefits of participation.

The County would welcome the opportunity to identify your City as an interested participant, and to meet with you to review your goals and objectives and to obtain information on your potential site. Expressing interest does not commit you to participate, it is the first step in evaluating if a project would be mutually beneficial.

If you are interested in being considered and have one or more sites in mind that may be suitable for such a project, please fill out the enclosed checklist for preliminary site information enclosed and return to Mr. Coby Skye of this office. Mr. Skye can also be contacted at (626) 458-5163, Monday through Thursday, 7 a.m. to 5:30 p.m., or by e-mail at cskye@dpw.lacounty.gov. For More information regarding the County's conversion technology efforts, please visit www.SoCalConversion.org.

ATTACHMENT 3

CITY OF VERNON RESOLUTION

RESOLUTION NO. 2010-143

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF VERNON APPROVING AND AUTHORIZING THE CITY'S SUBMISSION OF A LETTER OF INTEREST TO PARTICIPATE IN THE LOS ANGELES COUNTY CONVERSION TECHNOLOGY PROGRAM

WHEREAS, the City of Vernon (the "City") is a municipal corporation and a chartered city of the State of California organized and existing under its Charter and the Constitution of the State of California; and

WHEREAS, since 2004, Los Angeles County has been evaluating and pursuing the development of solid waste conversion technologies to reduce dependence on landfill disposal; and

WHEREAS, Los Angeles County, through its Department of Public Works and its Integrated Waste Management Task Force, has extended an invitation to the City to participate in efforts to develop solid waste conversion technology facilities in Los Angeles County (the "Program"); and

WHEREAS, Los Angeles County's invitation included a request that the City submit a non-binding preliminary site information checklist if the City was interested in locating a solid waste conversion technology facility in the City of Vernon; and

WHEREAS, by memorandum dated September 28, 2010, the Director of Health and Environmental Control has recommended the City's submission of a letter of interest to participate in the Program.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF VERNON AS FOLLOWS:

SECTION 1: The City Council of the City of Vernon hereby

finds and determines that the recitals contained hereinabove are true and correct.

SECTION 2: The City Council of the City of Vernon hereby approves and authorizes the City's submission to Los Angeles County of a non-binding letter indicating the City's interest in participating in the Program, including submission of a preliminary site information checklist (the "Letter of Interest").

SECTION 3: The City Council of the City of Vernon hereby authorizes the City Administrator, or his designee, to take whatever actions are deemed necessary or desirable for the purpose of implementing and carrying out the purposes of this Resolution and the actions herein approved or authorized, including without limitation, execution of the Letter of Interest.

SECTION 4: The City Clerk of the City of Vernon shall certify to the passage, approval and adoption of this resolution, and the City Clerk of the City of Vernon shall cause this resolution and the City Clerk's certification to be entered in the File of Resolutions of the Council of this City.

APPROVED AND ADOPTED this 4th day of October, 2010.

Hilario Gonzales

Name: Hilario Gonzales

Title: Mayor / ~~Mayor Pro-Tem~~

ATTEST:

Willard G. Yamaguchi, City Clerk

STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

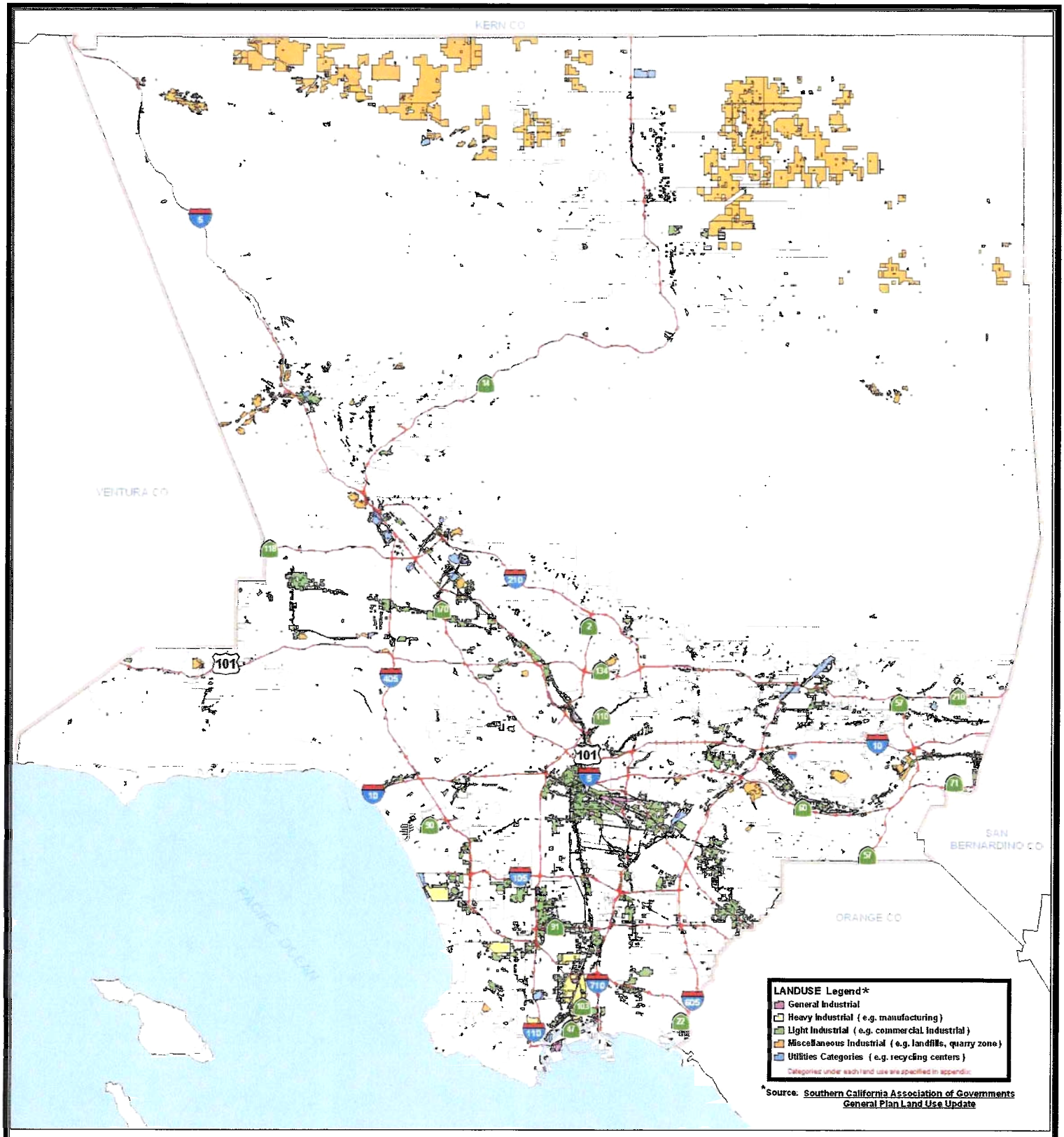
I, Willard G. Yamaguchi, City Clerk of the City of Vernon, do hereby certify that the foregoing Resolution, being Resolution No. 2010-143, was duly passed, approved and adopted by the City Council of the City of Vernon at a regular meeting of the City Council duly held on Monday, October 4, 2010, and thereafter was duly signed by the Mayor or Mayor Pro-Tem of the City of Vernon.

Executed this 5 day of October, 2010, at Vernon, California.

Willard G. Yamaguchi, City Clerk

(SEAL)

Figure 1



LEGEND

Freeways City Boundaries Adjacent Counties

N

Miles

0 5 10

PUBLIC WORKS

AREAS POTENTIALLY SUITABLE FOR SITING ALTERNATIVE TECHNOLOGY FACILITIES IN LOS ANGELES COUNTY

Figure 7-9

Data contained in this map is produced in whole or part from the Los Angeles County Department of Public Works' digital database

REF \\pwnas1\MPMGIS$\mpmgis\projects\epd\scag_sitingfacs\landuse_comboF_Fig709_8x11_revD.mxd DATE 09/10/2009

Survey/Mapping & Property Management Division, Mapping & GIS Services Section

Figure 2

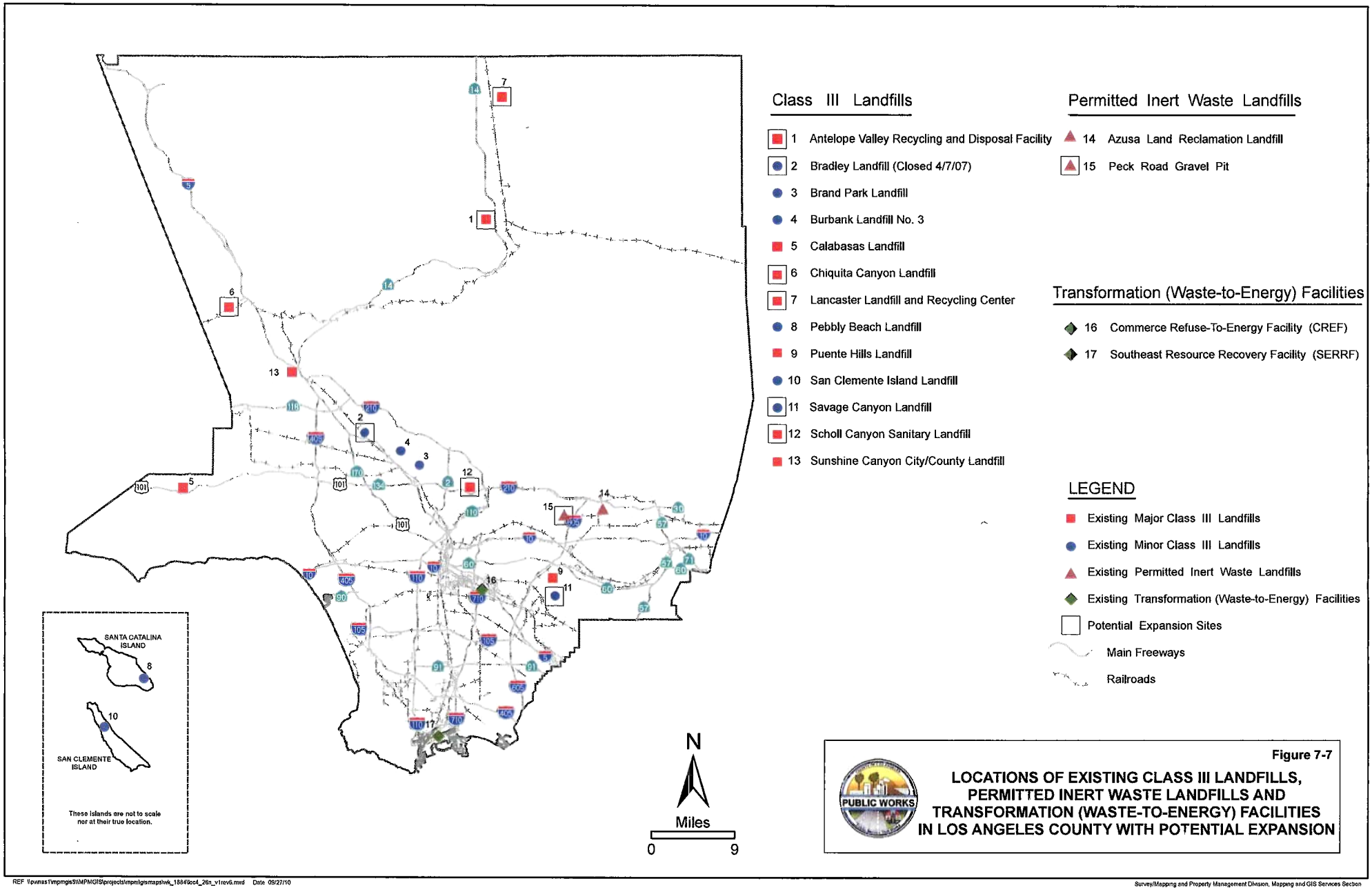
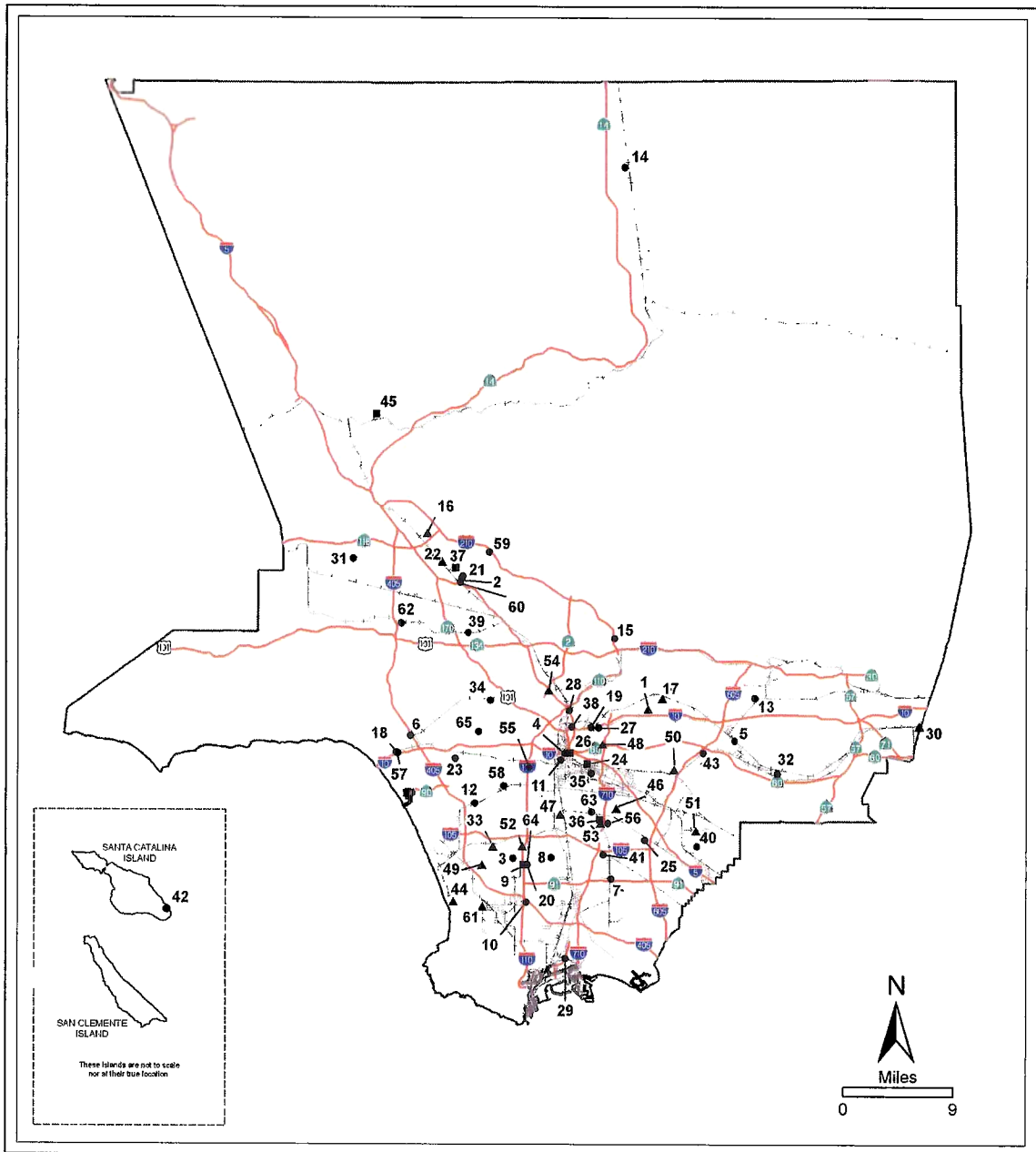

Class III Landfills
1 Antelope Valley Recycling and Disposal Facility
2 Bradley Landfill (Closed 4/7/07)
3 Brand Park Landfill
4 Burbank Landfill No. 3
5 Calabasas Landfill
6 Chiquita Canyon Landfill
7 Lancaster Landfill and Recycling Center
8 Pebbly Beach Landfill
9 Puente Hills Landfill
10 San Clemente Island Landfill
11 Savage Canyon Landfill
12 Scholl Canyon Sanitary Landfill
13 Sunshine Canyon City/County Landfill
Permitted Inert Waste Landfills
14 Azusa Land Reclamation Landfill
15 Peck Road Gravel Pit
Transformation (Waste-to-Energy) Facilities
16 Commerce Refuse-To-Energy Facility (CREF)
17 Southeast Resource Recovery Facility (SERRF)
LEGEND
Existing Major Class III Landfills
Existing Minor Class III Landfills
Existing Permitted Inert Waste Landfills
Existing Transformation (Waste-to-Energy) Facilities
Potential Expansion Sites
Main Freeways
Railroads
SANTA CATALINA ISLAND
SAN CLEMENTE ISLAND
These islands are not to scale nor at their true location.
N
Miles
0
9
PUBLIC WORKS
Figure 7-7
LOCATIONS OF EXISTING CLASS III LANDFILLS, PERMITTED INERT WASTE LANDFILLS AND TRANSFORMATION (WASTE-TO-ENERGY) FACILITIES IN LOS ANGELES COUNTY WITH POTENTIAL EXPANSION
REF \\pwnas1\mpmgis5\MPMGIS\projects\mpm\gismaps\wk_1884\loc4_26n_v1rev6.mxd Date 09/27/10
Survey/Mapping and Property Management Division, Mapping and GIS Services Section

Figure 3



NO.	FACILITY NAMES AND ADDRESSES
▲ 1	Alhambra Roll-Off Bin Transfer Station 900 South New Avenue, Alhambra, California 91801
● 2	American Waste Industries 11121 Pendleton Street, Sun Valley, California 91353
● 3	American Waste Transfer Station 1449 West Rosecrans Avenue, Gardena, California 90247
● 4	Angelus Western Paper Fibers, Inc. 2474 Porter Street, Los Angeles, California 90021
● 5	Athens Services * 14048 East Valley Boulevard, Industry, California 91746
● 6	Bel-Air Street Maintenance District Yard 11165 Missouri Avenue, Los Angeles, California 90025
● 7	Bel-Art Waste Transfer Station 2501 East 68th Street, Long Beach, California 90805
● 8	Browning Ferris Industries Waste Systems, Compton 2509 West Rosecrans Avenue, Compton, California 90220
■ 9	California Waste Services 621 West 152nd Street, Gardena, California 90247
● 10	Carson Transfer Station and Materials Recovery Facility * 321 West Francisco Street, Carson, California 90745
● 11	Central Los Angeles Recycling and Transfer Station * 2201 Washington Boulevard, Los Angeles, California 90034
● 12	City of Inglewood Transfer Station 222 West Beach Avenue, Inglewood, California 90302
● 13	City of Irwindale Limited Transfer Operation 4342 Alderson Avenue, Irwindale, California 91706
● 14	City of Lancaster Maintenance Yard, Medium Volume Transfer Station 46008 North 7th Street West, Lancaster, California 93534
▲ 15	City Yards 233 West Mountain Street, Pasadena, California 91103
▲ 16	City of San Fernando Corporate Yard 535 Glen Oaks Boulevard, San Fernando, California 91340
▲ 17	City of San Gabriel Disposal 927 East Grand Avenue, San Gabriel, California 91776
● 18	City of Santa Monica Transfer Station 2500 Michigan Avenue, Santa Monica, California 90404
● 19	City Terrace Recycling Transfer Station 1511-1525 Fishburn Avenue, City Terrace, California 90063
● 20	Coastal Materials Recovery Facility and Transfer Station 357 West Compton Boulevard, Gardena, California 90248
● 21	Community Recycling/Resource Recovery, Inc. 9147 De Garmo Avenue, Sun Valley, California 91352
▲ 22	Cordova Construction Services 12506 Montague Street, Pacoima, California 91331
● 23	Culver City Transfer and Recycling Station 9255 West Jefferson Boulevard, Culver City, California 90232
■ 24	Direct Disposal Construction & Demolition Recycling 3720 Noakes Street, Los Angeles, California 90023
● 25	Downey Area Recycling and Transfer Station (DART) * 9770 Washburn Road, Downey, California 90241
■ 26	Downtown Diversion 2424 East Olympic Boulevard, Los Angeles, California 90021
● 27	East Los Angeles Recycling and Transfer Station 1512 N. Bonnie Beach Place, City Terrace, California 90063
● 28	East Street Maintenance District Yard 452 San Fernando Road, Los Angeles, California 90065
● 29	Falcon Refuse Center, Inc. 3031 East "I" Street, Wilmington, California 90744
▲ 30	First Street Transfer Station 1730 East First Street, Pomona, California 91769
● 31	Granada Hills Street Maintenance District Yard 10210 Etiwanda Avenue, Northridge, California 91325
● 32	Grand Central Recycling and Transfer Station * 999 Hatcher Avenue, City of Industry, California 917448
▲ 33	H & C Disposal Company 3249 W. El Segundo Boulevard, Hawthorne, California 90250

NO.	FACILITY NAMES AND ADDRESSES
● 34	Hollywood Street Maintenance District Yard 6640 Romaine Street, Hollywood, California 90038
● 35	Innovative Waste Control * 4133 Bandini Boulevard, Vernon, California 90023
■ 36	Interior Removal Specialists, Incorporated, CDI 9309 Rayo Avenue, South Gate, California 90280
■ 37	Looney Bins/East Valley Diversion 11616 Sheldon Street, Sun Valley, California 91352
● 38	Mission Road Recycling and Transfer Station 840 South Mission Road, Los Angeles, California 90033
● 39	North Hollywood-Studio City Maintenance District Yard 10811 Chandler Boulevard, North Hollywood, California 91601
● 40	Norwalk Transfer Station 13780 East Imperial Highway, Santa Fe Springs, California 90670
● 41	Paramount Resource Recycling Facility 7230 Petterson Lane, Paramount, California 90723
● 42	Pebbly Beach (Avalon) Disposal Site 1 Dump Road, Avalon, California 90704
● 43	Puente Hills Materials Recovery Facility * 2800 Workman Mill Road, Whittier, California 90601
▲ 44	Redondo Beach Transfer Station 1513 Beryl Street, Redondo Beach, California 90277
■ 45	Rent-A-Bin 20745 Santa Clara Street, Santa Clarita, California 91351
▲ 46	Road Maintenance Division #4, Small Volume Transfer Station 11282 South Garfield Avenue, Downey, California 90201
▲ 47	Road Maintenance Division #141/241, Small Volume Transfer Station 2120 E. 90th Street, Los Angeles, California 90002
▲ 48	Road Maintenance Division #142, Small Volume Transfer Station 4304 Eugene Street, Los Angeles, California 90022
▲ 49	Road Maintenance Division #232, Small Volume Transfer Station 4055 West Marine Avenue, Lawndale, California 90260
▲ 50	Road Maintenance Division #446, Small Volume Transfer Station 9251 East Beverly Boulevard, Pico Rivera, California 90660
▲ 51	Road Maintenance Division #446A, Small Volume Transfer Station 13671 Telegraph Road, Whittier, California 90604
▲ 52	Rob's Roll-Off and Recycling 416 West 130th Street, Los Angeles, California 90061
▲ 53	Salt Lake Transfer Station 9599 Salt Lake Avenue, South Gate, California 90280
▲ 54	Silverlake Maintenance Station 2187 Riverside Drive, Los Angeles, California 90039
● 55	Southeast Street Maintenance District Yard 4206 South Main Street, Los Angeles, California 90037
● 56	South Gate Transfer Station * 9530 South Garfield Avenue, South Gate, California 90280
● 57	Southern California Disposal Recycling and Transfer Station 1908 Frank Street, Santa Monica, California 90404
● 58	Southwest Street Maintenance District Yard 5860 South Wilton Place, Los Angeles, California 90047
● 59	Sunland Street Maintenance District Yard 9401 Wentworth Street, Sunland, California 91040
● 60	Sun Valley Paper Stock Materials Recovery Facility and Transfer Station 8701 N. San Fernando Road, Sun Valley, California 91352
▲ 61	Torrance City Services Facility 20500 Madrona Avenue, Torrance, California 90503
● 62	Van Nuys Street Maintenance District Yard 15145 Oxnard Street, Van Nuys, California 91411
● 63	Waste Management South Gate Transfer Station 4459 Ardine Street, South Gate, California 90280
● 64	Waste Resources Recovery 357 West Compton Boulevard, Gardena, California 90248
● 65	Wilshire Street Maintenance District Yard 1274 South Cochran Avenue, Los Angeles, California 90019

Note:

* These sites were identified in Los Angeles County Countywide Siting Element, dated June 1997, as sites with potential rail-loading capability.

Legend

- ● Materials Recovery Facilities
- ▲ Transfer Stations
- ■ Construction, Demolition & Inert (CDI) Debris Processing Facilities
- Railroads
- Major Freeways

Figure 9-5

LOCATIONS OF MATERIALS RECOVERY FACILITIES, TRANSFER STATIONS, AND CDI DEBRIS PROCESSING FACILITIES IN LOS ANGELES COUNTY

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Survey/Mapping and Property Management Division, Mapping and GIS Services Section

Figure 4

Location Map of Potential Sites