



GAIL FARBER, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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April 25, 2012

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TO: Each Supervisor

FROM: Gail Farber *Gail Farber*
Director of Public Works

**BOARD MOTION OF APRIL 20, 2010, ITEM NO. 44
CONVERSION TECHNOLOGIES IN LOS ANGELES COUNTY
SIX MONTH STATUS UPDATE: OCTOBER 2011, THROUGH APRIL 2012 UPDATE**

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 the demonstration and commercial phases of the Southern California Conversion Technology Demonstration Project for the purpose of developing solid waste alternatives to landfills within Los Angeles County.

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. In October 2010 Public Works submitted a preliminary siting assessment in response to this request and committed to providing your Board with a status report on our efforts every six months.

The attached status update summarizes the efforts Public Works has undertaken to advance conversion technology development in Los Angeles County during the period of October 2011 through April 2012. Highlights from the last six months include:

- Advanced discussions with several site owners and operators in Los Angeles County who are interested in developing a conversion technology facility in the County. More detailed updates regarding all of the sites are presented in the report.
- Expanded outreach efforts, including development of science-based stakeholder resources and an educational forum.

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- Submitted a grant application to the California Energy Commission in the amount of \$860,000 to create the Conversion Technology Center hosted by Public Works for a 33-month period.
- One of the three approved demonstration projects in the City of Perris, California, received City Planning Commission approval. Construction is anticipated to break ground later this year.

Public Works will continue to work with stakeholders to move forward with project development activity at the sites identified within the County. Our next status report will be submitted to your Board by October 20, 2012.

TM/CS:kp

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Attach.

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

**BOARD MOTION OF APRIL 20, 2010, ITEM NO. 44
CONVERSION TECHNOLOGIES IN LOS ANGELES COUNTY
SIX MONTH STATUS UPDATE: OCTOBER 2011 TO APRIL 2012**

I. Introduction

On April 20, 2010, the Los Angeles County Board of Supervisors (Board) unanimously approved a Memoranda of Understanding (MOU) for three conversion technology (CT) demonstration projects and awarded a contract for consultant services for the demonstration and commercial phases of the Southern California Conversion Technology Demonstration Project. The purpose of this effort is to develop solid waste alternatives to landfills within the County of 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 CT facility at one or more County landfills and to identify other potentially suitable sites within the County of Los Angeles, reporting back to your Board in six months with the Department of Public Works' (Public Works) findings.

In October 2010 Public Works submitted a Preliminary Siting Assessment to your Board. That report identified 11 stakeholders, representing cities, solid waste companies, industrial real estate developers, and 16 sites submitted by the stakeholders for consideration. Based on the general assessment provided in the report, Public Works determined that all of the sites merited further consideration. Since then, Public Works has continued to work with interested stakeholders to identify and evaluate potential project locations within the County, evaluate technologies, research funding and financing opportunities, and provide technical and planning assistance to potential project developers.

To keep the Board regularly informed on these developments, Public Works committed to providing a status report every six months. This status report provides a summary of key accomplishments during the months of October 2011 to April 2012, in advancing the development of CT projects within the County and facilitating the demonstration projects.

II. Project Background

For over a decade, Public Works has evaluated the development of CT facilities as alternatives to the continued landfilling of solid waste by municipalities and communities in the County. In addition to providing an alternative method of solid waste disposal, the creation of such facilities will produce sources of renewable energy (whether as electric power or gaseous or liquid fuels), reduce environmental impacts, and create local green-collar jobs.

Together with technical and public outreach consultants, Public Works has vetted various types of non-combustion thermal, biological, chemical, and mechanical

conversion technologies, assessed potential project sites, worked with local and State agencies to create a permitting pathway for these technologies, and created a Countywide public outreach plan to educate stakeholders about the benefits of these technologies. Over the last six months, Public Works has pursued a number of local and statewide public outreach and education opportunities.

III. Public Outreach

Public Outreach is a vital component of the County's efforts to advance the development of CTs. In 2007 Public Works established a public outreach contract with Cerrell Associates. Cerrell works directly with Public Works staff to establish working relationships with local and State agencies, conduct outreach to local stakeholders and the public, and develop materials for the purposes of educating a variety of stakeholders.

Since 2007, Public Works has maintained a website dedicated to the County's program and sends a monthly e-newsletter to over 1,000 recipients. Public Works Staff are regularly contacted by jurisdictions around the world seeking information on the County's program.

Over the last six months, Public Works' public outreach team continued focused outreach to specific stakeholders, including National Resources Defense Council (NRDC), Union of Concerned Scientists, and Sierra Club. These groups were engaged in ongoing dialog concerning their reports supporting biofuels derived from CTs.

On October 28, 2011, Public Works' public outreach team collaborated with California Department of Natural Resources in conducting a forum in Sacramento for scientists, environmentalists, and other key stakeholders. The purpose of this forum was to discuss the barriers to CT development in California, how facilities would be permitted, and what incentives should be provided by State and local government. That meeting resulted in two key next steps: (1) organize material recovery facility (MRF) tours for stakeholders to understand what types of materials can actually be recycled and what materials would be better utilized through a conversion process, (2) form a statewide "working group" tasked with developing a common set of science based facts defining CTs and their attributes.

Since that time, Public Works' public outreach team coordinated with two MRF locations, Rainbow Disposal Company in Huntington Beach and the City of San Jose, who are interested in hosting tours at their facilities. Tours are expected to take place later this Spring or in early Summer.

In March, Public Works' public outreach team created a set of educational factsheets called "The Facts about Conversion Technologies". The factsheets compile research from local, State, Federal, and university reports. Topics include landfilling, incineration, recycling, green energy production, air emissions reduction, regulations, and technical reliability of CT processes. The factsheets will be used in continued State and local outreach.

Public Works provided several presentations and educational briefings at State and local events over the last six months. These venues have provided an opportunity to reach a diverse set of stakeholders, including elected officials, environmental and environmental justice organizations, relevant CT and development companies, and interested community members. Participation has included:

- Waste Conversion Congress (December 2011)
- VerdeXChange (January 2011) – The County coordinated a panel on CTs, with panelists from the National Resources Defense Council (NRDC), Waste Management, the California Energy Commission, The Gas Company, and Plasco Energy, along with Public Works.
- San Gabriel Valley Council of Governments, "The Future of Solid Waste Management Forum" (January 2012)
- Renewable Energy World Conference and Expo (February 2012)
- County Engineers Association Conference (March 2012)
- Biocycle West Coast Conference (April 2012)

IV. The Conversion Technology Center

The CT Center concept is a unique proposal being promoted by Public Works and the first of its kind in California. The CT Center would serve as the principal resource in the County as well as the State for both the public and private sectors, for planning and implementing waste-based conversion technology projects. The CT Center will strengthen and expand the extensive research, evaluation, and outreach activities Public Works has conducted over the past decade. It will be hosted by Public Works and will be a local government-based, results-oriented, and proactive information-sharing service, leveraging Public Works' ongoing planning and implementation activities to benefit the County, the 88 cities that comprise Los Angeles County, and other communities throughout the State.

On February 22, 2012, Public Works submitted an application to the California Energy Commission (CEC) under the AB 118 Alternative and Renewable Fuel and Vehicle Technology Program: Biofuels Production Solicitation for a matching fund grant to create the CT Center. Public Works estimates it will cost \$1.72 Million to establish and maintain the CT Center for a period of 33 months, and is seeking \$860,000 in support from the CEC. If the grant proposal is accepted by the CEC, Public Works will seek approval from the Board to accept the funds.

The goals of the CT Center are to establish a virtual resource center and to advance project development locally and statewide.

Specifically, the CT Center's activities would include:

- planning advice, assistance and guidance relating to project development;
- information and proven models for project planning and procurement;
- information and proven models for increased recycling with conversion technologies;
- information on greenhouse gas and air emissions reductions from conversion technologies;
- funding research and advice; and
- permitting and CEQA advice and consultation

With grant support, the CT Center will directly benefit the County by providing funding and professional resources to continue and to expand on-going research, planning, outreach, and project development activities of Public Works and its stakeholders for CT projects.

V. Update on Phase III Demonstration Project Development

Over the past six months and for future activities, Public Work's attention and focus has shifted from the demonstration project phase of the program to the commercial project phase. One of the three demonstration projects, CR&R's anaerobic digestion (AD) project in Perris, California, has made significant progress and is well on its way to successful development. This project could potentially become the first of its kind in California. The status of the three demonstration projects are briefly noted below.

- ***CR&R, Inc.***

CR&R, a local solid waste management company, is developing a 150 ton per day AD project at its MRF and Transfer Station (TS) in Perris, California. Public Works has been actively involved with CR&R, Inc., in pursuing funding opportunities, and as a result, CR&R, Inc., was awarded a grant of more than \$4.5 Million from the CEC in January 2011. The project's Conditional Use Permit (CUP) was approved by the Perris Planning Commission in November 2011, and the project is on track to reach completion within 18 months. Following a meeting with CR&R, Inc., in January 2012 Public Works and CR&R, Inc., mutually agreed that the project is well on its way to being developed and is no longer in need of technical assistance from the County. Public Works and CR&R, Inc., will continue to communicate as the project moves forward. CR&R, Inc., will continue to routinely share project information with Public Works during design, construction, and operation to allow Public Works to monitor the facility's development, observe facility construction and operation, and review non-proprietary facility performance data. CR&R will also provide Public Works opportunities to tour the facility, for the purpose of showcasing it in operation as a

successful model. This collaborative arrangement is expected to be mutually beneficial to both CR&R and Public Works, to foster the development of conversion technologies on a broader scale.

- ***International Environmental Solutions (IES)***

IES has recently undergone organizational changes within their company, including high-level management changes, putting all projects on hold until the company can reach an agreement with an equipment manufacturer. Creating standard equipment plans for their 8, 40, and 125 ton-per-day (tpd) pyrolysis units will enable them to pursue multiple project opportunities in a timely manner. During a January 2012 meeting with Public Works, IES expressed their interest in working with Public Works in the future on another project. However, due to current company organizational changes, equipment limitations, and lack of a viable site, they cannot proceed with the project as specified in the MOU.

- ***Rainbow Disposal Company (Rainbow)***

As specified in the MOU between Public Works and Rainbow, the CT facility would be sited at Rainbow's Huntington Beach MRF/TS. The facility would be designed with an initial capacity of 360 tons per day, with an expansion capability of up to 1,000 tons per day. A particular hurdle for the project is a significant reduction in the anticipated volume of waste at the Huntington Beach MRF/TS since the MOU was signed. Public Works continues to remain in contact with Rainbow. However, it appears that the company is not in a position to immediately move forward with a project.

VI. Update on Project Development within the County of Los Angeles

Table 1 on the following page shows a summary of all the proposed sites and stakeholders that County personnel have held discussions with regarding the development of CT projects.

**Table 1.
PROPOSED POTENTIAL LOCATIONS FOR ALTERNATIVE TECHNOLOGY FACILITIES IN LOS ANGELES COUNTY**

NO.	STAKEHOLDERS	SITE NAME [SITE OPERATION]	SITE LOCATION	SITE OWNER	SITE ZONING	SITE ACREAGE	POTENTIAL CAPACITY (Tpd-6)
LANDFILL SITES							
1	County of Los Angeles/ City of Calabasas/ County Sanitation Districts	Calabasas Landfill [Landfill]	Calabasas	County of Los Angeles	Landfill	TBD	700
2	City of Glendale	Scholl Canyon Landfill [Landfill]	Glendale	City of Glendale/County	Landfill	500 acres	TBD
3	City of Avalon	Pebbly Beach Landfill [Landfill]	Avalon	City of Avalon	Landfill	7.7 acres	8.0
MATERIAL RECOVERY FACILITY (MRF) / TRANSFER STATION (TS) SITES							
4	Valley Vista Services	Valley Vista Grand Central [MRF/TS]	City of Industry	Valley Vista Services	Industrial	25 acres	250 tpd
5	Calmet Services	Paramount MRF [MRF/TS]	Paramount	Calmet Services	Industrial	10 acres	15-100 tpd
6	Waste Recovery & Recycling (WRR)	WRR MRF/TS [MRF/TS]	Gardena	WRR	Industrial	8.5 acres	TBD
7	Southland Disposal	City Terrace MRF [MRF/TS]	Unincorporated Los Angeles County	Southland Disposal	Industrial	1.6 acres	20-50 tpd
OTHER SITES							
8	Green City Development, Inc.	Real Estate [Oil drilling/vacant land]	Santa Clarita	Green City Development, Inc.	Industrial	115 acres	1500
9	Green City Development, Inc.	Real Estate [Oil drilling/vacant land]	Sylmar	Green City Development, Inc.	Industrial	15 acres	TBD
10	City of Carson	City Public Works Yard [Public works operations]	Carson	City of Carson	Industrial	14 acres	TBD
11	Ecolution/Organic Energy Corporation	Real Estate [Vacant land]	Lancaster	Lancaster, CA	Industrial	40 acres	2,000 tpd
12	Pacific Coast Waste & Recycling	Real Estate [Vacant land]	Compton	Pacific Coast Waste & Recycling	Industrial	10 acres	TBD
13	Pacific Coast Waste & Recycling	Real Estate [Vacant land]	Compton	Pacific Coast Waste & Recycling	Industrial	7 acres	TBD
14	City of Lancaster	Lancaster Landfill [Landfill]	Lancaster	Waste Management Inc.	Landfill	TBD	TBD
15	City of Long Beach	Real Estate [Pier A West]	Long Beach	City of Long Beach	Industrial	80 acres	TBD
16	City of Long Beach	Real Estate [Terminal Island]	Long Beach	City of Long Beach	Industrial	TBD	TBD
17	Mustang Power	Mustang Power [Storage facilities/Vacant land]	Lopez Canyon	Mustang Power	Industrial	36 acres	TBD
18	Interior Removal Specialists, Inc	South Gate MRF [C&D Recycling]	South Gate	Interior Removal Specialists, Inc	Industrial	14 acres	20-30 tpd

Landfill Sites

- ***Calabasas Landfill, City of Calabasas/County of Los Angeles***

The Calabasas Landfill is owned by the County of Los Angeles and operated by the County Sanitation Districts (CSD). In 2011 Public Works conducted a preliminary feasibility analysis evaluating various options for siting a CT facility at the landfill that would 1) extend the life of the existing landfill, and 2) increase the financial viability of the landfill.

The feasibility analysis determined that a 700 tpd AD project at the Calabasas Landfill could provide significant benefits to both the County and the CSD, including:

- provide a high diversion rate (over 50 percent) for waste supply customers at market-competitive tipping fees;
- generate biogas to supply the existing landfill gas-to-energy facility at the site that currently has excess capacity, enhancing economics and increasing renewable energy generation, and potentially using biogas for transportation fuel uses;
- generate revenues to the landfill associated with disposal of residuals from the project;
- increase recovery of recyclables for sale to markets;
- enhance management of greenwaste at the Landfill; and
- create local jobs (construction and operation).

Public Works is currently working with the Chief Executive Office (CEO) and CSD to evaluate the feasibility and benefits of development of such a project. It is anticipated the CEO will be submitting a recommendation to your Board regarding the project in the Summer.

- ***Scholl Canyon Landfill, City of Glendale/County of Los Angeles***

The landfill is located in the City of Glendale on property owned jointly by the City (90 percent) and the County (10 percent). It is operated by CSD. In 2007 the City of Glendale adopted a resolution supporting the development of a CT project at the landfill. The City engaged the services of the consulting firm HDR to assist with this effort, and in 2011 the City received 13 submittals in response to a Request for Information. Proposals were reviewed by the Glendale Public Works Department and the Department of Water and Power. Four companies were shortlisted and issued a Request for Qualifications and Technical Information (RFQ-TI). The objective of the RFQ-TI is to help the City assess the feasibility of developing a conversion technology project. The City received responses to the RFQ-TI from the companies in March 2012. Following the review and assessment of the additional information, the City may pursue a formal procurement with the highest-rated companies. While this process is driven by

the City, Public Works will continue to coordinate with and support the City on an as-needed basis. For example, the City has asked the County to be part of its assessment team for review and consideration of the recent responses to the RFQ-TI.

- ***Pebbly Beach Landfill, City of Avalon***

In December 2011 the City of Avalon sent a letter to Public Works formally expressing their interest in participating in the County CT program. The City is interested in siting a small-scale conversion technology unit at the Pebbly Beach Landfill, a 7.7 acre site owned by the City and operated by Seagull Sanitation (Republic Services). This project would be part of the City's holistic approach to waste management that includes recyclables, green waste, biosolids, food waste, construction and demolition debris material, and other materials, as appropriate and feasible. The City's location on an island setting, with pronounced seasonal fluctuations in waste quantities associated with a tourism economy and limited remaining landfill capacity, poses unique challenges for cost-effective waste management strategies.

Public Works' technical consultant is conducting a technology assessment for the City of Avalon. The assessment identifies several possible project configurations, inclusive of AD and thermal technologies. The configurations were identified based on communications with companies that have previously been in contact with the City as well as with companies from Public Works' technology database. Preliminary economic analyses are being conducted for these potential configurations, for key variables including a range of tipping fees and potential funding scenarios. The preliminary results indicate that gasification and pyrolysis technologies are the most cost effective, while achieving sufficient diversion to enable the Pebbly Beach Landfill to retain capacity for a 20-year project duration. The consultant is completing additional sensitivities to test the overall findings and is preparing a summary report for Public Works to discuss with the City.

Material Recovery Facility (MRF)/Transfer Station (TS) Sites

- ***Grand Central Recycling and TS, Valley Vista Services***

Valley Vista Services is pursuing an AD project at their Grand Central Recycling and Transfer Station in the City of Industry. There are approximately four acres of land available for the project, which will utilize the technology developed by UC Davis and licensed by Onsite Power. Over the past year, the focus of the project has been on feedstock preparation. Valley Vista Services has shifted their focus from source-separated green and food waste, to post-recycled, post-MRF municipal solid waste. Valley Vista Services has developed a new 600 tpd MRF and start-up testing is underway. The next step in the process will be development of the AD portion of the project.

- ***Calmet Services MRF/TS***

Calmet Services is evaluating the feasibility of installing an AD system at their Paramount Resource Recycling Facility. The company recently purchased a seven-acre parcel across the street from their facility that may be a suitable project location. In October members of the Calmet team completed a tour of four Kompoferm facilities in Germany as well as the Kompoferm manufacturing plant. These AD facilities ranged from 15 to 100 tpd and featured backend composting (windrow, GORE cover system, and in tunnel aerated static pile).

- ***Waste Recovery and Recycling MRF/TS***

Waste Recovery and Recycling is proposing to locate a CT project on property adjacent to their MRF/TS in the City of Gardena. WRR is currently in escrow on the purchase of an additional four acres of land and they expect to have ownership by March 2012. They are also hoping to acquire a local railroad spur which would create a total site of 8 to 8.5 acres. WRR is proceeding with the permitting of their CT project while they complete the land acquisition.

- ***City Terrace MRF, Southland Disposal***

City Terrace MRF/TS is located in East Los Angeles/Unincorporated Los Angeles County and is owned by Southland Disposal. The company has recently submitted a CUP application to the County Department of Regional Planning to expand their facility from 700 to 1,500 tpd. This application includes a small AD facility (15-20 tpd) that would receive food waste and green waste and a conditioning system to produce CNG truck fuel from the biogas. Public Works is closely monitoring this CT project as it is the first one in the County to go into permitting.

This CT project could take advantage of existing infrastructure, including MRF/TS processing, administrative offices, scales, tipping areas, and residue load out. The site is zoned industrial and is surrounded by other industrial uses.

Other Sites

- ***Santa Clarita Site, Green City Development, Inc.***

Green City Development, Inc. owns a former oil drilling site that occupies a total of 115 acres in the City of Santa Clarita. This brownfield site is accessible from the 210, 14, and 5 Freeways and is not within close proximity to residential neighborhoods. The property owner is currently discussing potential project options with a technology vendor that was shortlisted by Public Works in Phase II of the conversion technology program.

- ***Lopez Canyon Site, Green City Development, Inc.***

Green City Development, Inc., is an industrial land developer who owns a 40 acre parcel of land in Lopez Canyon and has expressed interest in developing a CT facility at the site. The land is industrially zoned and is accessible by truck.

- ***Public Works Yard or other potential sites, City of Carson***

The City of Carson owns a 14 acre parcel that is currently used to house the City's public works operations. The City intends to relocate these operations, which would make this site available for a possible CT project. This process could take up to 2-3 years to complete. In addition to this site, the City is in discussions with two large oil refineries in the City, who may be interested in developing an integrated CT project within their complex. Follow-up meetings are being coordinated with the City.

A site in Carson previously considered is the Joint Water Pollution Control Plant (JWPCP), which is owned and operated by CSD. The JWPCP has about 30 acres to potentially use for a CT facility. At this time, however, the CSD has a pilot gasification facility on the site for biosolids management, and is focusing on the potential of using conversion technologies to manage biosolids on site rather than processing MSW.

As appropriate, Public Works will work with City staff to complete an options analysis for a CT facility within the City of Carson, and will assist City staff in providing the information to City administration.

- ***Antelope Valley Site, New Generation Technology***

The owner of a 320-acre parcel in the unincorporated area of the Antelope Valley is interested in developing a CT facility utilizing the New Generation Technology process on his property.

- ***Pacific Coast Waste & Recycling:***

Pacific Coast Waste & Recycling identified four sites in the County, where they were interested in building a CT project. After further evaluation, the company has decided not to pursue projects at their 12-acre parcel in close proximity to the 605 Freeway or the 6-acre parcel in the City of Inglewood. The company is focusing their attention on project endeavors in the City of Compton and Lancaster. There are two sites (a 10-acre and a 7-acre parcel) within the City of Compton. Both sites are industrially zoned and serviced by local utilities.

In Lancaster, Pacific Coast Waste & Recycling has partnered with Organic Energy Corporation to form Ecolution. This company will pursue a two-phase,

4,000 tpd Materials Recovery and Conversion Technology Facility. Additional information is listed below.

- ***Lancaster Area***

The project proposed by Ecolution will begin with a highly efficient MRF system to recover 20 different material categories. Organic material recovered in the MRF will be sent to a modular, induced-bed reactor anaerobic digester. The first phase will process 2,000 tpd. On February 22, 2012, the Lancaster City Council approved a Memorandum of Understanding for the development of the facility.

Lancaster will provide a 40-acre site and commit their waste stream of 800-900 tpd to the project. There are currently three site options that Ecolution is evaluating. It is anticipated that a site will be selected in April 2012.

The AD system currently under consideration by Ecolution was developed at Utah State University. Biogas from the AD system will be cleaned and used to create electricity or biofuels depending on the end user. The anticipated tipping fee is \$55/ton with 90-95 percent overall diversion; an aggressive recovery number reflecting an innovative and more intense sorting effort in the MRF.

The next step for the project is to begin the permitting process, for which the City of Lancaster will serve as the lead agency.

The City of Lancaster has expressed interest in developing a CT facility within the City or nearby in Unincorporated County areas as part of their Green Corridor. In addition to the Ecolution project, a number of other sites have been suggested for development, including the Lancaster Landfill.

Lancaster Landfill is owned and operated by Waste Management, Inc., and is located in Unincorporated Los Angeles County. In 2011 the Los Angeles County Regional Planning Commission approved Waste Management's request for a revised CUP for Lancaster Landfill. The new CUP includes provisions to encourage the development of a CT project at the site. The revised CUP is expected to take effect later this year.

- ***City of Long Beach***

The City of Long Beach has expressed interest in developing a CT facility, and has identified two potential sites. The Port of Long Beach owns approximately 80 acres at Pier A West, of which a portion could possibly be used for a non-port use such as a CT project. This location is surrounded by heavy industrial uses and several rail and trucking operations. The Port of Long Beach is planning the re-alignment of the Terminal Island Freeway, which would free up land in the harbor for a potential CT project. At this time though, the re-alignment project is not firmly funded or scheduled.

- ***Sylmar Site, Mustang Power***

Mustang Power, a CT development company and the selected CT vendor in Santa Barbara County's project at the Tajiguas Landfill, is proposing a 36-acre site that it owns for a CT project. The site is located near the Lopez Canyon Landfill in Unincorporated Los Angeles County and is currently being used for storage and as a trailer park. County Staff and project team members have had recent discussions with Mustang Power regarding this site. Project planning and development activities could begin in the near future with the identification of waste commitments for a project at this location. County staff is continuing its discussions with Mustang Power regarding the potential for a CT project at this location.

- ***South Gate MRF, IRS Demo***

IRS Demo has continued to investigate the development of a conversion technology project at their site. They have expressed interest in thermal technologies, which may be best-suited for the waste materials they handle on site. The County continues to support IRS Demo. Based on available information to the County through the technology database, the City of Avalon technology assessment, and other project resources, the County is developing recommendations for the next steps and a timeline for moving forward at the site.

VII. Update on Request for Expressions of Interest

In June 2011, Public Works issued a Request for Expressions of Interest (RFEI) to technology vendors and financial institutions. The purpose of the technical RFEI was to obtain information on CTs that are available in the U.S. market and would be available for application for one or more projects in Los Angeles County, California. Through this RFEI, the County requested from conversion technology providers and/or project developers representing such providers, information on their technology as well as qualifications and resources of their company. Another RFEI for financial service firms that are in the business of assisting in the structuring and financing of conversion technology projects was issued in parallel to the technical RFEI. In August 2011 Public Works received responses from 36 technology vendors and 11 financial firms.

The information collected through the RFEI process was reviewed, evaluated, and tabulated into a searchable/sortable database format. Following confirmation of the summary information with the RFEI respondents, the databases were uploaded onto the www.SoCalConversion.org website. The user-friendly database is intended to describe technologies and technology providers, including their capabilities and experience, to allow the County and other public and private project developers to initially identify and assess technologies that are ready for commercial application and that may be suited to their project-specific goals and objectives, and to encourage partnering for the development of commercial projects. To expand the database and ensure the

information remains current, Public Works is planning to open the RFEI process on a regular schedule, potentially on an annual basis, to provide a means for additional companies to submit information for review and publication. As previously noted, Public Works has applied for grant funding from CEC for a CT Center. If Public Works is successful with the grant application, it will be able to significantly enhance the content and expand the functionality of the databases.

VIII. Next Steps

Over the next six months, Public Works will continue to facilitate the development of local projects, including the following key activities:

- Pursue the necessary Public Works and Board of Supervisors' approvals should Public Works receive the grant from the CEC.
- Identify alternate sources of funding for the CT Center should Public Works not be awarded the requested grant funding from CEC.
- In coordination with the Third District, the CEO's Office, and CSD identify possible wastestreams from nearby jurisdictions and facilities for proposed potential AD facility at the Calabasas Landfill.
- Develop public ownership options and RFP recommendations for an AD facility at the Calabasas Landfill, in coordination with the Third District and the CEO's Office, should the County decide to pursue a project at this location.
- Present the findings of the conversion technology assessment to the City of Avalon, for a potential project at the Pebbly Beach Landfill.
- Continue to coordinate with the City of Glendale as it conducts its independent work to develop a conversion technology facility and to identify site-specific viable technologies.
- Monitor the development of Valley Vista Services' proposed conversion technology facility at Grand Central Recycling, providing support as is mutually beneficial.
- Complete an options analysis for a conversion technology facility for the City of Carson and assist City staff in providing the information to City administration.
- As mutually beneficial and in correlation with individual stakeholder project development activities and schedules, conduct more detailed site evaluations to support and facilitate project development activities.

- Continue to work with current and newly-identified stakeholders to determine their goals and objectives and to facilitate the development of suitable projects.
- Continue efforts to develop and provide information useful to stakeholders, including completion of an interactive economic model and the expansion of informational databases of conversion technologies, companies, and financial service providers to assist stakeholders in evaluating and implementing projects.

TM:kp

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