

**TO:** James L. App, City Manager  
**FROM:** Doug Monn, Public Works Director  
**SUBJECT:** Landfill Master Plan  
**DATE:** May 19, 2009

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**NEEDS:** For the City Council to consider retaining Bryan A. Stirrat & Associates and Christine Halley of TJ Cross Engineers to prepare a landfill master plan.

**FACTS:**

1. The City owns a Class III municipal solid waste landfill located near the intersection of Union Road and Highway 46.
2. The 80-acre facility has been in operation since 1970 and is permitted for non-hazardous waste.
3. For the first 23 years of operation, the landfill was operated by the trench-and-area fill method utilizing an unlined area. In 1993, disposal into lined modules began.
4. The landfill is presently operated by Pacific Waste Systems under contract to the City. It receives approximately 60,000 tons of waste per year. It is projected to reach capacity in 2051.
5. Neither comingle recycling or composting is performed at the City's landfill.
6. Methane and other gases produced by decomposing garbage are currently collected and flared.
7. California's Global Warming Solutions Act of 2006 (AB32) requires methane reduction from landfills.

**ANALYSIS &  
CONCLUSION:**

Paso Robles' landfill is a receiving facility for waste materials and meets current community solid waste disposal needs. The opportunity exists to convert waste-to-energy. Power generation from the solid waste stream would benefit the City by offsetting municipal power consumption. It is also possible to expand recycling and composting, and increase recycling of construction and demolition materials to 75%. Such sustainable operation provide economic and environmental benefits, as well as compliance with State mandates

A Landfill Master Plan will examine the feasibility, and develop strategies, to:

1. Extend the life of the landfill
2. Generate power using waste and landfill resources.
3. Minimize waste and maximize the potential reuse value of crop waste, including potential use as a biomass-to-fuel.
4. Become a 'zero' waste landfill operation.

On January 20, 2009, the City received qualification statements from five firms interested in assisting with the development of a landfill master plan:

Bryan A. Stirrat & Associates	HDR
Golder	SCS Engineers
Tetrattech	

A selection panel made up of a public works specialist, municipal solid waste manager, and representative of the City's landfill operator (Pacific Waste Systems), reviewed the submittals/references. The selection panel's finding was that both Bryan A Stirrat & Associates and Golder presented superior qualifications.

The City sought fee proposals from both and arrived at agreeable fee and terms with Bryan A. Stirrat & Associates.

Mrs. Halley managed the selection process and review of the fee proposals. It is proposed that she continue management of the landfill master plan project.

**POLICY**

**REFERENCE:** Economic Strategy

**FISCAL IMPACT:** The costs of the landfill master planning effort are budgeted as part of the Solid Waste Management Services budget (General Fund). Further, City Council allocated funds received from the sale of right-of-way at the entry to the landfill explicitly to cover the cost of the Landfill Master Plan.

A contingency is advised to address additional tasks as they arise. The budget is:

Bryan A Stirrat & Associates base fee	\$157,500
Christine Halley project management services	\$22,000
City-managed contingency	<u>\$40,000</u>
<b>Total =</b>	<b>\$219,500</b>

**OPTIONS:**

- a. Adopt Resolution No. 09-xx appropriating \$219,500 from the General Fund to prepare the landfill master plan and authorizing the City Manager to enter into contractual arrangements with Bryan A Stirrat & Associates and Mrs. Halley of TJ Cross Engineers.

- b. Amend, modify, or reject the above option.

Attachments (1) -- Resolution 09-xx

RESOLUTION NO. 09-xx

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PASO ROBLES  
AWARDING CONTRACTS TO BRYAN A STIRRAT & ASSOCIATES AND C. HALLEY OF TJ  
CROSS ENGINEERS FOR PROFESSIONAL ENGINEERING SERVICES ASSOCIATED WITH  
LANDFILL MASTER PLAN

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WHEREAS, the City of Paso Robles owns and operates a Class III solid waste landfill near the intersection of Union Road and Highway 46 under Solid Waste Facility Permit No. 40-AA-0001 from the California Integrated Waste Management Board; and

WHEREAS, the approximately 80-acre facility has been in operation since 1970, currently accepting an estimated 60,000 tons per year of waste; and

WHEREAS, California's Global Warming Solutions Act (AB 32) requires landfill methane reduction; and;

WHEREAS, evaluation of feasible techniques to reduce methane emissions from the landfill is required; and

WHEREAS, opportunities for recycling, composting, energy production or other means of reducing the community carbon footprint should be explored, and;

WHEREAS, the City invited qualifications statements from solid waste management firms to prepare a master plan of the City's landfill; subsequently a selection panel found that two of five firms submitting qualifications statements offered superior qualifications such that fee proposals were requested from both firms, and;

WHEREAS, acceptable fee and business terms were negotiated with Bryan A Stirrat & Associates, and;

WHEREAS, Ms. Christine Halley of TJ Cross Engineers represented the City in oversight of the selection process and review of fee proposals and she is available to continue management of the landfill master plan preparation and represent the City in dialogue with the Bryan A Stirrat & Associates team.

THEREFORE, BE IT RESOLVED AS FOLLOWS:

SECTION 1. The City Council of the City of Paso Robles does approve a one-time supplemental budget appropriation from the General Fund in the not to exceed amount of \$219,500 (\$157,500 for Bryan A Stirrat & Associates, \$22,000 for Mrs. Halley, plus \$40,000 contingency) to budget account 100-310-5224-432. This funding is offset by the sale of land at the landfill to Caltrans for right-of-way and

SECTION 2. The City Council does hereby award contracts to Bryan A Stirrat & Associates and Ms. Christine Halley for Professional Engineering Services associated with the preparation of a landfill master plan and authorizes the City Manager to execute such contracts.

PASSED AND ADOPTED by the City Council of the City of Paso Robles this 19<sup>th</sup> day of May 2009 by the following votes:

AYES:

NOES:

ABSTAIN:

ABSENT:

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Duane Picanco, Mayor

ATTEST:

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Cathy M. Davis, Deputy City Clerk

