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DEPARTMENT OF
PUBLIC WORKS

CITY OF SACRAMENTO
CALIFORNIA

OFFICE OF THE DIRECTOR

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SACRAMENTO, CA
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916-449-5283

ADMINISTRATION
916-449-8747

February 13, 1990

Budget and Finance/Transportation
and Community Development Committees
Sacramento, California

Honorable Members in Session:

SUBJECT: **ALTERNATIVES TO DIRECT HAUL PROPONENTS SELECTION**

SUMMARY

The Department of Public Works has conducted a contractor selection process to identify the most qualified firms to site, permit, design, build, own, and operate a waste recovery systems for City-collected, municipal solid waste. This facility would be an alternative to the direct haul of waste to the Sacramento County landfill. This report recommends that the Joint Committees approve a Selection Committee recommendation that three firms be invited to submit cost proposals and continue in the selection process. The firms to be invited to continue in the process are Browning-Ferris Industries; Norcal Solid Waste Systems, Inc.; and Waste Management of North American, Inc.

BACKGROUND

Solid waste collected by the City of Sacramento is currently disposed of at the City's landfill located between Business I-80 and the American River. When the City landfill reaches capacity in late 1991 or early 1992, the City proposes direct haul of City-collected solid waste to the County of Sacramento's Kiefer Boulevard landfill. The City has engaged the consulting firm of Black & Veatch to prepare and process a direct haul Environmental Impact Report (EIR) in accordance with the California Environmental Quality Act (CEQA). A requirement of the EIR process is that alternatives to a proposed project be evaluated.

Since the City Council and staff have been apprised of several alternatives to the direct haul project, City staff recommended that the City retain the services of a consultant to solicit, and thereafter evaluate, responses to a Request-for-Qualification (RFQ) from all proponents of direct haul alternatives. The consultant would evaluate the various alternatives for their fiscal and technical soundness and viability. Certain alternatives that were determined to be viable would be included and analyzed in the EIR that was done for the direct haul proposal. All alternatives selected for consideration will be discussed and analyzed to some extent in the direct haul EIR.

On July 25, 1989, the City Council approved Resolution No. 89-582 which authorized the City Manager to execute an agreement with the consulting firm of Brown, Vence & Associates (BVA) to obtain viable alternatives to the direct haul of municipal solid waste (MSW) to the County landfill. BVA is California's leading consultant in providing procurement services to clients. BVA's procurement services include (1) defining proposed projects with respect to size, technology, and location; (2) preparing solicitation documents; (3) reviewing and evaluating responses; (4) interviewing short-list firms; and (5) negotiating memorandums of understanding (MOU) and contracts, for both construction and long-term services. BVA's list of clients include (1) the City of Berkeley, California; (2) Fresno-Clovis Metro Solid Waste Commission; (3) the California Energy Commission; (4) Tri-Cities/Oakland Scavenger; and (5) San Bernardino County.

The Director of Public Works convened a Selection Committee to approve the Request-for-Qualification (RFQ) and Technical Information (TI) that was prepared by the consultant and to evaluate and screen responding applicants. The Selection Committee consisted of:

Lyta Ferris, City Councilmember
Jack Crist, Deputy City Manager
Carl Hauge, Solid Waste Advisory Committee Member
(Supervising Geologist Department of Water Resources)
Dennis Kerton, Chief of County Solid Waste Management
David Pelsler, City Solid Waste Division Manager

After a procedural announcement, 46 firms requested the RFQ-TI. RFQ-TI responses were received from 15 firms. The Selection Committee, utilizing the process in attached Exhibit A, has identified the three most qualified firms it recommends to continue in the selection process.

POLICY CONSIDERATIONS

This report asks that the City Council approve the Selection Committee's premise which placed emphasis on known and proven technologies with nominal initial cost versus advanced high technologies with limited track records and high initial costs.

This report also suggests that the City Council concur with the Selection Committee's recommendation that the six proposals that met the minimum established criteria be short-listed to three firms for final consideration.

FINANCIAL CONSIDERATIONS

This report contains no financial data.

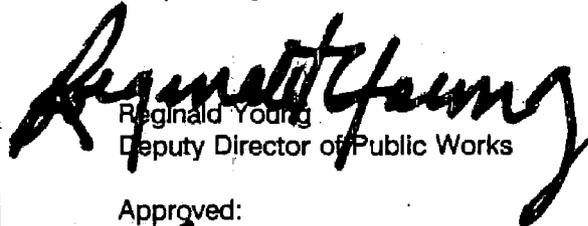
MBE/WBE

No identifiable MBE/WBE firms responded to the RFQ-TI.

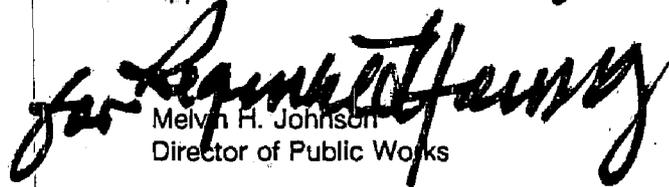
RECOMMENDATION

It is recommended that (1) the Joint Committees approve the Selection Committee's recommendation that only three firms – Brown-Ferris Industries; Norcal Solid Waste Systems, Inc.; and Waste Management of North America, Inc. -- be continued in the identification of a viable alternatives to the direct haul process and (2) the Joint Committees recommend this short-list to the full City Council.

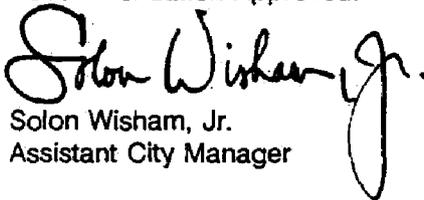
Respectfully submitted,


Reginald Young
Deputy Director of Public Works

Approved:


Melvin H. Johnson
Director of Public Works

Recommendation Approved:


Solon Wisham, Jr.
Assistant City Manager

Contact Person to Answer Questions:
Reginald Young, Deputy Director of Public Works
449-5283

February 13, 1990
All Districts

Attachments

REPORT
OF
ALTERNATIVES TO DIRECT HAUL
RFQ-TI RESPONSE EVALUATIONS

RFQ-TI RESPONSE EVALUATIONS

This report describes the process utilized to identify the initial list of qualified firms responding to the Request-for-Qualifications and Technical Information (RFQ-TI) and summarizes the evaluation method performed by the Selection Committee on January 17 and 22, 1990.

The City's Selection Committee reviewed the draft RFQ-TI presented by Brown, Vence & Associates (BVA) at a meeting convened on October 4, 1989. The document was finalized and formally issued on October 18, 1989. The RFQ-TI is attached as item #1. Announcements of the RFQ-TI were mailed to approximately 160 potentially interested firms identified by BVA and City staff and notices were placed in three trade journals (*Waste Age*, *Resource Recycling*, and *Biocycle*) during September. Requests for the RFQ-TI document were received from some 46 individual firms.

A vendors' conference was held in Sacramento on November 15, 1989, to provide responses to written questions and additional technical and procedural information relating to the RFQ-TI. Twenty-one individuals attended the conference, which was chaired by David Pelsler, City Solid Waste Division Manager. Written responses to the numerous questions raised, as well as an addendum to the RFQ-TI, were prepared by BVA, reviewed by City staff, and mailed to all interested parties on November 20, 1989 (item #2 attached). Because of the number and nature of questions raised at the vendors' conference, the City decided to make two changes to the original RFQ-TI and notify all parties through the written addendum (item #3 attached). The two changes consisted of: extending the deadline for submitting responses by two weeks, from November 29 to December 13, 1989; and deleting and minimum criterion that specifies reference facilities or processes identified in the response must be located in the United States (e.g., foreign technology would be considered in the evaluation process).

A total of 15 responses to the RFQ-TI were received by the December 13, 1989, deadline. BVA then began evaluating all responses to determine whether they fulfilled the minimum criteria stated in the RFQ-TI. During the initial review period, Selection Committee members were assigned a minimum of five responses each for their own evaluations, so that every submitted response would have been reviewed by at least two committee members as well as by BVA staff.

Of the 15 responses submitted, BVA identified six proposals that clearly met all the minimum criteria, eight that clearly did not meet the minimum criteria, and one that was questionable as to whether it should be further considered. The results of this initial review process, as well as the individual score sheets, are attached as items #4 and #5, respectively.

The results of the initial review, as well as a detailed evaluation summary of the six qualifying responses, were presented by BVA to the Selection Committee and City staff at a workshop held on January 17, 1990. The Selection Committee discussed the initial reviews performed by their own members, the review presented by BVA, and input from City staff and agreed that further evaluations should be limited to the six firms clearly meeting all of the minimum criteria and identified in item #4. The Selection Committee was then asked to weigh the five major criteria in order to proceed with the evaluations. The results of the step on weighing of criteria by the Selection Committee are summarized in the attached item #6. A second, more detailed weighing of criteria was then performed by the committee in order to more fully score and rank the six responses under consideration. The results of the step two weighing of criteria are attached as item #7. At this point in the workshop, a total of 28 criteria for evaluation had been identified and assigned a percentile weigh by the Selection Committee. The next necessary step was for the Selection Committee to score the six firms' responses to the RFQ-TI, assigning a 1 as low; 2 as medium; or 3 as high score for each of the criteria identified. The committee decided to do their individual scoring over the next four days and to meet again on January 22, 1990.

The committee members then individually evaluate the six qualified firms. At the January 22, 1990, meeting, the Selection Committee, City staff, and BVA met again to discuss which of the six firms under consideration should be short-listed and invited to submit cost proposals to the City. The recommendation made by the Selection Committee is to short-list the following three firms based on all the evaluations performed:

Recommended Short-Listed Companies

Browning-Ferris Industries
Norcal Solid Waste Systems, Inc.
Waste Management of North America, Inc.

The Selection Committee recognized the considerable effort that went into the responses submitted by the other three firms under consideration, but concluded they did not meet the criteria sufficiently to warrant being short-listed:

Not Recommended for Further Consideration

American Recovery Corporation
Central Valley Recycling
Riedel Waste Disposal Systems, Inc.

ITEM #1

**REQUEST FOR QUALIFICATIONS
AND TECHNICAL INFORMATION
(RFQ-TI)**

**REQUEST FOR QUALIFICATIONS
AND TECHNICAL INFORMATION**

CITY OF SACRAMENTO
October 18, 1989

CITY OF SACRAMENTO
Department of Public Works
915 "T" Street, Room 207
Sacramento, CA 95814

Prepared by:

BROWN, VENCE & ASSOCIATES
Energy and Waste Management Engineers
120 Montgomery Street, Suite 680
San Francisco, CA 94104

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SECTION I
GENERAL INFORMATION

Introduction

This Request for Qualifications and Technical Information (RFQ-TI) is being issued by the City of Sacramento (City) in order to identify qualified firms that can site, permit, design, build, own and operate a waste recovery system for City-collected municipal solid waste. The City Landfill reaches capacity in late 1991 or early 1992. The City is currently studying direct haul of its waste to the County Landfill. The intent of this RFQ-TI is to identify possible specific waste management systems as alternatives to the City's proposed action of direct hauling to the County Landfill. The City intends to establish a short list of qualified vendors based on the responses to this RFQ-TI process, and issue an RFP for final vendor selection. The City reserves the right to reject any and all responses to this RFQ-TI.

The City will consider proven technologies appropriate to landfill diversion, including recycling, composting, resource recovery, refuse-derived fuel production, and other waste disposal options. The City will select qualified firms based on submittals that best meet the City's goals of: (1) cost reduction of City's proposed direct haul to the County Landfill; and (2) consistency with the City's and State's recycling and waste reduction goals.

This solicitation process is made under the authority of City Resolution # 89-582.

A vendor conference will be held to review this Request for Qualifications and Technical Information and to answer any questions raised by interested proposers. The conference will be held on November 15, 1989 from 1:30 to 3:30 in City Hall, Council Chambers, 915 "I" Street, Sacramento, California. Questions submitted in writing will also be answered at the vendor conference, provided they reach the City by November 8, 1989.

The deadline for submitting responses to this RFQ-TI is 5 p.m., November 29, 1989. Ten copies of the response should be sent to:

Reginald Young, Deputy Director
City of Sacramento
Department of Public Works
915 "I" Street, Room 207
Sacramento, CA 95814-2673
(916) 449-5283

Organization of the RFQ-TI

General information regarding the RFQ-TI purpose, process and schedule are provided in this section. Section II describes background information regarding the City's waste stream, the waste management system in place and the decision to solicit proposals for an alternative to the proposed direct haul of City waste to the County Landfill. Section III addresses the City's goals and objectives regarding the RFQ-TI. Section IV specifies the minimum standards to be met in order for proposals to be considered. Section V provides instructions for submitting responses to the RFQ-TI. Section VI describes the two step selection procedure and criteria. Section VII contains appendices which provide additional information.

Proposal Schedule

The RFQ-TI is the first in a two-phase process for vendor selection. The City intends to adhere to the following schedule during the selection process. However, this schedule may be changed at the City's discretion:

TENTATIVE SCHEDULE

<u>Phase I</u>	<u>Date</u>
Release of RFQ-TI	October 18, 1989
Request for documents due	October 25, 1989
Written questions due	November 8, 1989
Vendors conference	November 15, 1989
RFQ-TI submission deadline	November 29, 1989
Clarification/interview period	November to December, 1989
Short list notification	January, 1990

<u>Phase II</u>	<u>Date</u>
Release of Request for Cost Proposals (RFCP)	March, 1990
RFCP submission deadline	April, 1990
Clarification/interview period	May, 1990
Vendor selection/contract negotiation	June, 1990

SECTION II
BACKGROUND INFORMATION

Location And Population

Sacramento, the capital of California is located in the northern part of the state approximately 85 miles northeast of San Francisco. Sacramento is one of four cities in Sacramento County (County), and has an estimated population of 339,945, which represents one-third of the total County population.

Figure 1 illustrates the City's location within Sacramento County, and the location of major transfer and disposal facilities within the County. Table 1 shows projected populations of City of Sacramento and the County.

Table 1
POPULATION DATA

Area	1988	1990	1995	2000	2010
City of Sacramento	339,995	345,265	373,646	396,812	501,372
Total County	959,345	1,023,529	1,114,662	1,206,775	1,388,533

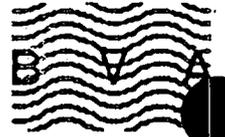
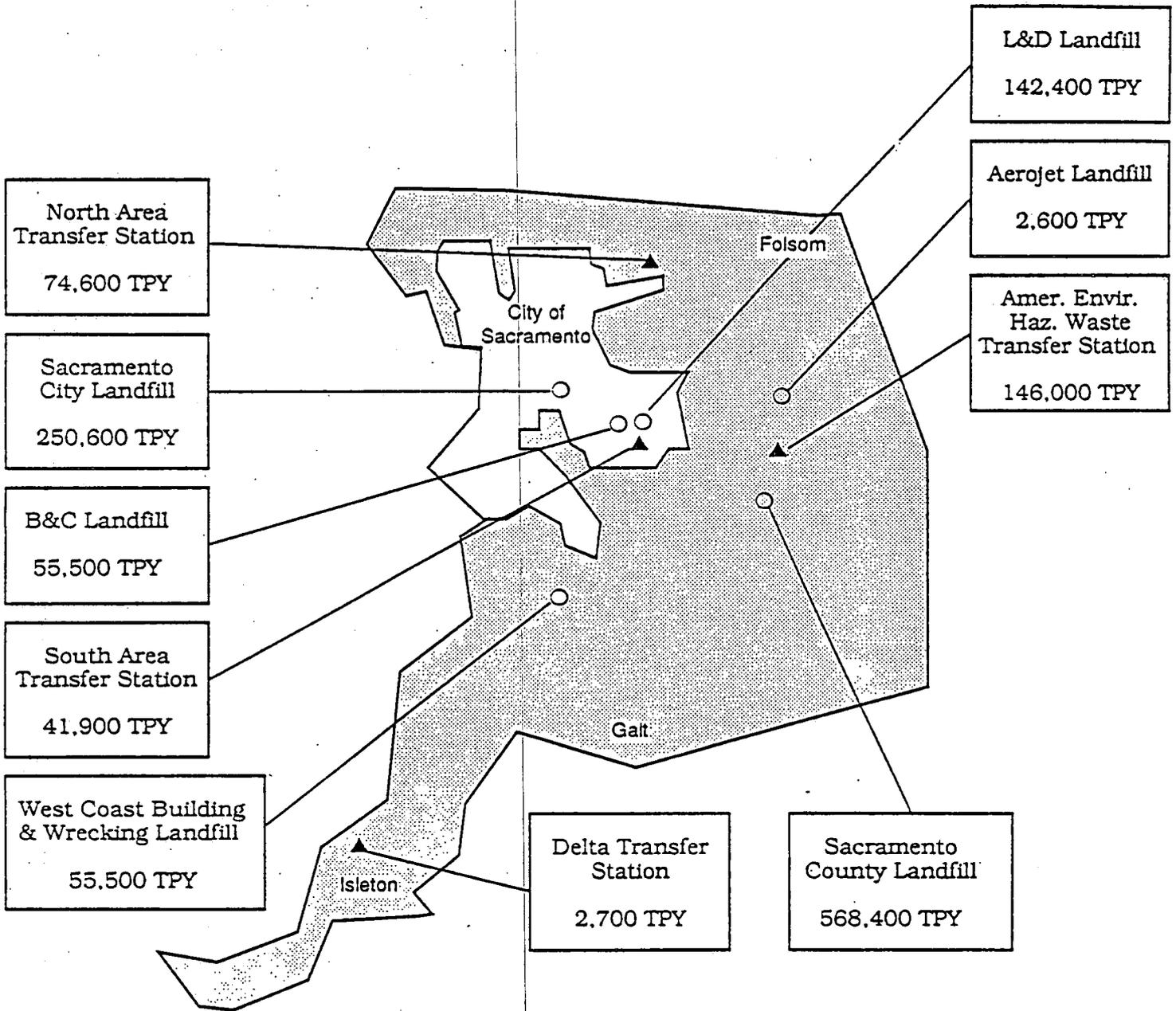


Figure 1

Sacramento County Transfer and Disposal Facilities



- Legend**
- Landfill
 - ▲ Transfer Station
 - TPY Tons Per Year.

City Waste Collection and Disposal

The City Department of Public Works collects all residential and a portion of commercial waste within the City limits. Collection of the remaining commercial waste is provided by 10 private haulers. The City collection system services 93,000 single family residential accounts, 3,215 commercial accounts (utilizing 1 to 4 cubic yard bins), and 45 compactor accounts. An average of 168 loads are disposed of daily. Collection crews work Monday through Friday full time, and a half-day on Saturday.

City collected waste is currently disposed of at the City Landfill, which is scheduled to close in late 1991 or early 1992.

The City is now conducting the EIR and permitting tasks necessary so City waste can be direct hauled to the County Landfill. It is anticipated that through this RFQ-TI process, the City will identify possible alternatives to the County Landfill disposal option.

The County Landfill currently charges a tipping fee of \$10.50 per ton for waste received. The distance from City Landfill to County Landfill is 18 miles.

Waste Stream Characteristics

Sacramento County recently performed a solid waste composition study. The results of the study indicate fairly consistent waste composition data compiled for Sacramento County and earlier City of Sacramento waste composition studies. Samples taken at the Sacramento City Landfill in April 1989 provide composition data for both the residential and commercial waste streams. Table 2 summarizes the data derived from samples taken at the City Landfill. Tables from the Solid Waste Composition Study for Sacramento County (August 1989) are included in Appendix A.

Table 2
CITY LANDFILL -- WASTE COMPOSITION DATA

Waste Categories	Residential Waste Stream	Commercial Waste Stream
Paper	24.9%	41.9%
Newspaper	6.7%	6.1%
Corrugated paper	3.8%	11.3%
Other paper	14.4%	24.5%
Plastic	5.0%	8.1%
PET bottles	0.1%	0.2%
Milk/juice containers	0.3%	0.2%
Film plastics	2.0%	4.8%
Other plastics	2.6%	2.9%
Glass	4.1%	6.6%
Containers	3.9%	6.0%
Other glass	0.2%	0.6%
Metal	3.2%	3.4%
Aluminum cans	0.3%	0.5%
Tin cans	1.2%	1.4%
Other metal	1.7%	1.5%
Rubber	0.5%	0.0%
Wood	1.3%	1.1%
Organics	50.9%	31.9%
Food	4.2%	23.0%
Yard waste	37.6%	2.5%
Leaves and grass	8.5%	6.1%
Other organics	.7%	0.3%
Other	9.6%	7.0%
Hazardous materials and containers	<u>0.6%</u>	<u>0.0%</u>
TOTAL	100%	100%

Waste Quantities

The tonnage of waste disposed during 1988 in the City Landfill is 250,577. Based on a five and one-half day per week collection schedule, the daily disposal amount is in the 800 to 1,000 tons per day range.

The residential waste category (including yard waste which is collected separately from garbage) comprises approximately 73 percent of the total waste entering the City Landfill, with commercial waste contributing the remainder. The commercial waste category also includes City-collected waste from sources such as street cleaning, parks and recreation, tree trimmings, and other miscellaneous sources.

Table 3 shows tonnages delivered to the City Landfill during 1988, and reflects major waste sources as well as seasonal variations of deliveries.

Current Recycling Activities

The City Solid Waste Division currently operates a composting program for approximately 1,200 tons of leaves and yard wastes per year. A pilot curbside recycling program servicing approximately 5,000 homes is being operated within the City by the Sacramento Local Conservation Corps. Office paper recycling programs are in place in City offices.

A wide range of other recycling opportunities are available for residents and business in the City of Sacramento. Drop-off containers for glass and newspapers are located at numerous parking lots throughout the City. Convenience centers (redemption centers for beverage containers established under California AB2020 legislation, the "Bottle Bill") are located at some 36 supermarkets within the City. Approximately 18 buy-back centers purchase various grades of paper and metal, glass, plastic, wood, and other recyclables within the City.

Table 3

TONNAGE OF WASTE DELIVERED TO CITY LANDFILL
- 1988 -

Month	Residential	Commercial	Garden Refuse	Misc.*	Parks & Rec.	Tree Contract	City Misc.	Total	Vehicles
January	9,297	4,264	5,638	29	430	292	157	20,107	3,375
February	8,762	4,189	5,075	40	582	229	181	19,058	3,293
March	10,151	4,419	6,115	23	398	6	102	21,214	3,774
April	9,839	4,373	6,007	192	386	5	357	21,159	3,929
May	9,820	4,504	5,488	814	291	--	398	21,315	4,100
June	10,292	4,300	4,599	787	324	4	364	20,670	4,304
July	9,520	3,969	4,024	673	355	--	370	18,911	3,995
August	10,580	4,536	4,552	978	391	--	391	21,428	4,531
September	9,823	4,523	4,570	986	329	16	366	20,613	4,322
October	9,512	4,528	4,753	1,302	310	20	336	20,761	4,226
November	10,254	4,480	6,926	295	341	50	370	22,716	4,179
December	10,202	4,717	7,016	--	299	7	384	22,625	4,235
Total	118,052	52,802	64,763	6,119	4,436	629	3,776	250,577	48,263

* This category contains waste from the following three sources: (a) Meredith Co. Fish processing waste = 45/ton/yr; (b) McClellan Air Force Base = 5,586 tons/yr; (c) State Fair = 89 tons/yr.

Waste Management Policy

Future recycling and waste reduction activities are strongly encouraged by the City of Sacramento. The City Council adopted Resolution # 89-685 on August 29, 1989 establishing the following recycling and waste reduction goals.

- (a) By January 1, 1992, the City shall endeavor to recycle or reduce all solid waste disposed of in the City by 30 percent, by weight;
- (b) By January 1, 1995, the City shall endeavor to recycle or reduce all solid waste disposed of in the City by 40 percent, by weight;
- (c) By January 1, 1999, the City shall endeavor to recycle or reduce all solid waste disposed of in the City by 70 percent, by weight; and
- (d) The City shall compost or utilize alternative disposal to landfilling of the maximum amount of yard and garden waste that is feasible.

In addition to establishing goals, the Resolution calls for developing an implementation plan for curbside recycling for 25% of the City's households and studying other options for recycling and waste reduction. See Appendix B for full text of the resolution.

Waste Disposal Studies

Since 1979, the City of Sacramento has commissioned and conducted numerous studies to identify options for processing and disposing of its waste. A wide range of potential options received detailed analysis. The options included: expanding the City Landfill, siting a new landfill or balefill, constructing a transfer station at the existing landfill or a new location within the City, building a baling station at the landfill or some other site, procuring a waste-to-energy facility for City waste, and processing vegetal waste into a fuel source.

A bibliography of the City's solid waste disposal studies is provided in Appendix C. These reports may be viewed by contacting:

Carol Smith, Administrative Assistant
Solid Waste Division Office
1231 "I" Street, Suite 103
Sacramento, CA 95814
Phone: (916) 449-2043

SECTION III
GOALS AND OBJECTIVES

By issuing this Request for Qualifications and Technical Information, the City intends to identify firms with sufficient management, technical, and financial capabilities to provide a viable alternative to direct hauling of City waste to the County Landfill. The City's goals are to identify an environmentally sound project that will: (1) reduce the City's need to direct haul waste to the County Landfill; (2) meet recycling and waste reduction goals recently established by City Council Resolution #89-685; (3) reduce costs associated with waste disposal; and (4) not adversely affect local air quality.

Responses are encouraged that respond to the following City objectives.

- The City is seeking vendors for a "full-service" contract. The proposer will be required to design, build, own and operate the facility or system proposed.
- The proposed project should be scaled to accommodate the entire City-collected waste stream (described in Section II). Additional wastes may be included in the project if it can be proven that doing so will benefit the City.
- The City intends to contract with a single vendor responsible for all terms of the contract. However, it also recognizes the value of joint venture or teaming arrangements and does not discourage such proposals.
- The City desires the term of the contract to be for at least 20 years.
- The City desires that proposed facilities or processes incorporate proven technologies, and that the vendor be able to demonstrate that at least one comparable project has been operating effectively in the United States for at least three years.
- The vendor shall have responsibility for obtaining all permits relevant to the project that are required by federal, state, and local regulatory agencies.

- The vendor shall be responsible for providing financing for all aspects of the project, including the development phase. The City will not provide any form of financing or financial guarantees beyond providing the waste and paying a tipping fee.
- If required by the vendor, the City will guarantee a minimum volume of waste to the project.
- The City will retain the option to pursue future programs that may affect the quantity or composition of the waste stream, such as source reduction, curbside recycling and/or yard waste composting. Proposals are encouraged to incorporate flexibility so the City's future waste reduction and recycling initiatives can be maximized.
- The vendor will be responsible for obtaining disposal contracts and hauling arrangements for any residual waste received by the project and not marketed or otherwise utilized.
- The City intends to identify vendor proposals that respond to the above objectives, and to develop a short list of qualified vendors to receive a Request for Cost Proposals (RFCP).

Responses to this request shall address all technical information required in this RFQ-TI in sufficient detail to allow for preliminary technical, managerial and environmental impact analysis. However, site specific proposals are not required at this time. Short listed firms will be requested to submit site specific proposals during the RFCP step of vendor selection.

SECTION IV
RESPONSE REQUIREMENTS

Minimum Standards For Consideration

Responses to this RFQ-TI must meet the goals and objectives of the City as outlined in Section III in order to qualify for consideration. In assessing vendor qualifications, the City requires project specific information that addresses personnel/management, financial, technical, environmental, and contractual elements of the proposal.

Proposal elements should be presented in the format used in this section so that all informational requests are addressed systematically and thoroughly. Responses should address the local conditions of the City of Sacramento.

The City recognizes there may be a wide range of technologies, facilities or systems capable of providing an alternative to direct hauling of waste to the County Landfill. Responses should therefore address the following informational requests in sufficient detail that the competitive benefits of the proposed project are conveyed.

Personnel/Management Element

Proposers shall describe their technical experience and management approach as it relates to successfully implementing projects comparable to the one proposed for Sacramento. Describe your personnel and management capabilities by providing the following information:

1. Describe the technical and project management experience of your firm as it relates to designing, constructing, and operating projects of comparable complexity and size to the one you propose for Sacramento. List and briefly describe similar projects, their date of full implementation, and current operating status. Provide names and telephone numbers of references for all listed projects.

2. Identify key personnel who would be charged with project planning and implementation should your firm be selected. Describe their technical experience relevant to the proposed project, and specific areas of responsibility they would be assigned.
3. Describe the overall management structure of your firm, and indicate how the proposed project would be managed within that structure. Provide an organizational chart for your proposed project, indicating key positions, lines of responsibility, and number of employees to be assigned in all job categories.
4. Indicate whether this proposal involves a joint venture or teaming arrangement with one or more other firms. If it does, clarify the roles of all firms in terms of specific areas of expertise and responsibilities for this project. Discuss whether your firm understands and agrees with the City's requirement to negotiate with one vendor only for the purpose of securing a "full-service" contract. Describe the past working relationships between firms proposing a joint venture project for Sacramento.
5. Describe areas of experience or knowledge your firm has regarding local (e.g., Sacramento area) issues relevant to waste management. Your discussion should address your familiarity with local markets for recyclables, compost, fuel, etc. that would be generated by your proposed project; state and local regulatory requirements regarding solid waste facility siting and permitting; local community concerns regarding environmental impacts of waste management projects; other areas that would indicate your proposal's sensitivity to the local area and issues of concern.

Financial Element

Proposers shall provide information in sufficient detail to allow the City to ascertain your firm's financial capabilities, and to perform a preliminary cost/benefit and project feasibility analysis of your proposal. More detailed cost commitments and financial analysis of proposals will be solicited through a Request for Cost Proposals (RFCP) to be

issued to the short-listed vendors at a later date. Proposers shall furnish the following information:

1. Satisfactory evidence that the proposer or the contractually responsible senior partner in a joint venture has been in existence as a going concern for at least five years and has financial resources sufficient to undertake the proposed project.
2. The most recent audited financial statement or other documentation indicating the proposing firm's net worth, operating capital, encumbrances, and credit rating.
3. Method proposed to finance the project in Sacramento, including "at-risk" development funds, equity, and long-term debt. Discuss whether and to what extent City involvement is proposed in your project financial plan. Discuss how your financial plan is compatible with the stipulation that the City will not provide any form of financing or financial guarantees beyond providing the waste and paying a tipping fee.
4. Estimated costs relative to the following major elements of the proposed project, (indicate one time or annual):
 - a. Development costs (contracts, site selection, permits, etc.).
 - b. Design, engineering, and construction of the facility/system.
 - c. Site lease or purchase.
 - d. Permitting, performance testing, other start-up costs.
 - e. Operations and maintenance (break-out labor costs).
 - f. Other major costs not listed above.
5. Estimated revenues in relation to:
 - a. Material or product sales (indicate price per ton assumptions for each material type and projected annual sales).
 - b. Tipping fees to be paid by City for waste delivered (indicate fee per ton based on 1,000 TPD deliveries).

c. Other revenue sources anticipated.

Items 4 and 5 should be summarized in a table, with fuller discussions of costs and revenues provided as needed to convey your project economics.

Technical Information Element

As stated in Section III, one of the City's objectives in issuing this RFQ-TI is to identify proposals that incorporate proven technologies. Proposals that apply commercially demonstrated and environmentally sound processes, equipment and techniques are therefore encouraged. Projects that rely on emerging or new technologies that have no track record in reference facilities or operations in the United States will be deemed unqualified by the City.

Proposers should describe in detail the design and operation of the proposed project. As a minimum, the following technical aspects of the project must be addressed:

1. List all similar operating facilities. Provide operating history including date of commencement of operations, design capacity, number of tons processed each year of operation, amount of product produced and marketed, as well as significant problems and their resolution. Provide a contact point and telephone number for each reference facility.
2. A general process description of the project which addresses waste receiving, storage, and processing; recovered materials and product storage, handling, shipment and/or utilization; and waste residue handling and disposal.
3. A materials flow chart of the system, with energy balance if appropriate.
4. Design capacity of the system in terms of daily and annual tonnage. Discuss system capabilities in terms of annual processed tonnage/annual rated capacity.

5. System flexibility to handle the City's waste flow (estimated at 800 to 1,000 TPD range) with respect to:
 - a) Daily fluctuations in tonnage collected and delivered;
 - b) Inherent seasonal variations in waste composition and quantity; and
 - c) Waste composition fluctuations due to future recycling activities.
6. System contingency capabilities in terms of standby or back-up equipment, multiple lines, etc. Discuss how routine maintenance and equipment downtime are taken into consideration in system design.
7. Method for receiving, monitoring and weighing waste delivered by City vehicles. Discuss facility capabilities or restrictions to receive loads Monday through Friday between the hours of 6:00 a.m. to 6:00 p.m., and Saturday from 6:00 a.m. to 12:00 p.m.
8. Future expansion capabilities. Describe how and to what extent system could be expanded to receive increased tonnage over a 20-year period.
9. Equipment and personnel capabilities. Discuss whether they can assure quality control and meet market specifications for recovered materials or products. Discuss system's flexibility to meet changing market specifications over time. How is process system reliability determined/maintained?
10. Full description of the type and quantities of materials that will be recycled or otherwise diverted from landfill. Use an example of 1,000 TPD waste delivery and the waste composition data provided in Table 2 (Section II) to quantify system capabilities.
11. Market availability for recovered secondary materials, compost, refuse-derived fuel, energy, or other products generated by the processing system. What market commitments have you obtained for a Sacramento project? What marketing strategy or method will be instituted to obtain market commitments/contracts for the project? Are back-up or alternative markets anticipated in your plan?

12. Project compatibility with the City and State recycling and waste reduction goals. Discuss how your proposed project will contribute to attaining the goals established by AB 939 and other applicable State regulations and City of Sacramento Resolution # 89-685 (Appendix B).
13. Schedule for completion of the project. Include development phase (contracts, permits, etc.), design, construction, and start-up.

Environmental Element

The City requires that potential environmental impacts of proposed projects be addressed in project descriptions. Although site specific descriptions are not required at this time, information regarding anticipated impacts on the environment must be provided.

Proposers should address the following points, and provide additional information as needed for a preliminary environmental review of proposed projects:

1. Site requirements of project in terms of acreage, access roads, and utilities.
2. Site layout sketches showing relative location of buildings, enclosures, outdoor storage or processing areas, parking, landscaping, and other major components of proposed facility.
3. Estimated annual consumption of utilities including electricity, water, auxiliary fuel, etc.
4. If project involves on-site combustion technology, discuss combustion/air emission control strategy; provide emissions estimates (both abated and unabated on a maximum pounds/day and annual basis); discuss proposed air emission control equipment's operating and the control efficiencies achieved.
5. Procedures anticipated for identifying and handling hazardous waste mistakenly delivered to facility.

6. Describe water runoff, waste water quality and treatment associated with the proposed project.
7. Describe other environmental impacts and their control, including odor, noise, dust, vectors, traffic circulation, and litter.
8. Discuss all types of materials coming out of the facility/processing system and the ultimate destination of those materials. Include materials intended for markets, facility residue requiring landfill, combustion ash requiring special disposal arrangements, and any other materials generated or bypassed by the system.

Contractual Information Element

Section III of this document outlines the City's goals and objectives for this procurement. The purpose of this section is to determine vendor's willingness to meet them, and to understand other contractual terms which may be required of the City.

1. Indicate your acceptance of the terms and conditions outlined. Discuss fully any exceptions you would require. Note that significant deviation may be grounds for deeming your response nonresponsive.
2. Indicate the major contractual terms required by your firm. Clearly outline any responsibilities or risks you expect of the City. Provide a model contract if available.
3. Discuss whether any form of waste guarantees will be required of the City. If so, describe your expectations for contractually addressing this matter.

SECTION V
INSTRUCTIONS FOR SUBMITTING QUALIFICATIONS
AND TECHNICAL INFORMATION

A. Step One

Send a letter of interest and \$25 filing fee requesting the RFQ-TI packet to:

Reginald Young, Deputy Director
City of Sacramento
Department of Public Works (DPW)
915 "I" Street, Room 207
Sacramento, CA 95814-2673
(916) 449-5283

By submitting the letter of interest, you will be assured of receiving a copy of any addenda or clarifications issued.

B. Step Two

Gather information. Proposers are invited to inspect City documents and gather other information helpful to developing their responses. Access to documents and studies listed in Appendix B may be obtained by contacting:

Carol Smith, Administrative Assistant
Solid Waste Division Office
1231 "I" Street, Suite 103
Sacramento, CA 95814
(916) 449-2043

To receive specific documents by mail, requests must reach Carol Smith no later than October 25, 1989. A fee will be required for documents reproduced and mailed.

C. Step Three

Submit written questions or requests for clarification regarding the RFQ-TI content or process on or before November 8, 1989. All questions must be in writing and addressed to Reginald Young (at address in Step One).

Questions regarding matters of general interest to proposers will be addressed at the Vendors Conference on November 15, 1989.

D. Step Four

Attend the Vendors Conference, during which technical, procedural, and other matters regarding the RFQ-TI will be addressed. Questions received in writing, as well as any other questions brought up at the conference, will be answered at this time. The meeting will take place on November 15, 1989 at 1:30 p.m.

Conference location is:

City Hall
Council Chambers
915 "I" Street
Sacramento, CA

Questions of consequence will be recorded at the conference, and the questions and answers will be mailed to all vendors of record.

E. Step Five

Submit ten copies of your responses to this RFQ-TI to the City on or before 5 p.m., November 29, 1989.

Proposals should be sealed and marked "RFQ-TI" on the envelope. Address proposals to:

Mr. Reginald Young, Deputy Director
City of Sacramento
Department of Public Works
915 "I" Street, Room 207
Sacramento, CA 95814-2673

F. Step Six

If you are notified that you made the initial short list of qualified vendors, you will be invited to make an oral presentation to the Selection Committee during an interview. You will be advised of the time and place.

G. Response Content

All responses shall consist of:

1. A cover letter which provides:
 - Name, address and telephone number of firm and key contact person.
 - Description of type of organization (e.g., corporation, partnership, etc.) submitting proposal.
 - If joint venture or other teaming arrangement with two or more parties, describe past working relationships on similar projects.
 - Name of entity that would sign a contract if one is negotiated for this project.
2. An executive summary (not to exceed five pages) which highlights the major elements of your qualifications and proposal. Include in your summary a response to the five minimum criteria stated in Section VI under Phase One Evaluation.
3. Responses to all the information requested in Section IV. Organize your responses into five sections, and address each question consecutively so that all requested information can be readily found:
 - a. Personnel/management element
 - b. Financial element
 - c. Technical information element
 - d. Environmental element
 - e. Contractual information element

Additional information or data relevant to your qualifications for the proposed project is optional and may be included in an appendix.

SECTION VI
SELECTION PROCEDURE AND CRITERIA

The City will evaluate responses to the RFQ-TI to determine which vendors can best provide an alternative to direct hauling of City-collected waste to the County Landfill. The criteria used for evaluating responses reflect the City's intent to: (1) procure a commercially demonstrated, environmentally sound and cost-effective system; and (2) deal with a firm which possesses the financial strength and required skills to successfully design, construct, own, and operate the project.

The City will develop a short list of qualified vendors based on responses received, and on interviews with the Selection Committee. The short-listed vendors will receive a Request for Cost Proposals, and final vendor selection will be made based on those responses.

The City will evaluate responses to this RFQ-TI in two phases. Responses that do not meet the minimum criteria of the first phase will not be considered for further evaluation.

Step One Evaluation

In the first step, responses will be evaluated to determine if they meet the minimum criteria stated below. Any response not satisfying these criteria will be considered not qualified for further evaluation.

Minimum Criteria

The responding vendor must provide evidence that the firm:

- Is providing completeness and responsiveness to all informational requests in this RFQ-TI.
- Is willing to enter into a "full-service" contract with the City. The vendor will be responsible for site identification and acquisition, design, construction, ownership, and operation of the project.

- Has been in operation at least five years, and has been profitable for at least three of those years.
- Has a net worth equivalent to 20 percent of the estimated capital costs of the proposed project.
- Will provide nonreimbursable development funds sufficient to implement the project if selected. Nonreimbursable development costs are those costs associated with obtaining all contracts, permits, site options, environmental reviews, and other related costs necessary to obtain permanent financing for the project. The amount of nonreimbursable development costs that the vendor must be willing to guarantee is to be 5 percent of the project capital costs.
- In addition to the above, the technology for the proposed project must have been successfully employed in a project of similar scale for at least three years in the United States.

Step Two Evaluation

The second step of evaluation will examine the remaining responses with respect to specific criteria.

Evaluation Criteria

The criteria for evaluating the responses will include:

1. Management capabilities and experience
2. Financial strength and program economics
3. Demonstrated technical feasibility
4. Environmental impacts
5. Contractual terms

Management Capabilities and Experience

The following considerations are included in this criterion:

- Demonstrated track record in developing waste recovery projects.
- Prior experience in design, construction, and operation of similar projects.
- Experience of key personnel.
- Organizational approach to project.
- Knowledge of local markets, issues, environmental requirements, etc.

Financial Strength and Program Economics

The following considerations are included in this criterion:

- The business operating history of the firm.
- Fiscal capability and strength of proposing firm.
- The firm's ability to secure project financing.
- Realistic estimation of program costs and revenues.
- Ability to secure markets for system products.
- Competitiveness of cost per ton tipping fee estimate.

Demonstrated Technical Feasibility

The following considerations are included in this criterion:

- Overall soundness of project and integration of project elements such as receiving, storage, processing, recovered product handling, residue handling, and disposal.
- Technical feasibility of system and equipment based on experience with similar operating systems.
- Design capacity of system.
- System flexibility with regard to fluctuations of waste quantity and composition.
- System reliability and contingency capabilities (e.g., anticipation of down time and back-up equipment needs).
- Expansion capabilities of system.
- Quality control capabilities to produce marketable products.

- Project compatibility with City's recycling and waste reduction goals.

Environmental Impacts

The following considerations are included in this criterion:

- Site requirements of proposed facility.
- Extent and proposed mitigation of air emissions if combustion is involved.
- Other impacts on environment from odor, noise, dust, vectors, litter and traffic circulation.
- Identification and control of household hazardous waste inadvertently entering system.

Contractual Terms

The following considerations are included in this criterion:

- Acceptance of "full-service" contract with vendor responsible for site identification and acquisition, design, construction, operation and ownership.
- Twenty-year minimum term of contract.
- Vendor responsibility for obtaining all necessary permits.
- Vendor responsibility for obtaining disposal contracts for system residue.
- Agreement with City's reserved right to initiate future recycling activities.

APPENDIX A

Waste Composition Tables

(from August 1989 Sacramento County Study)

TABLE 6
SACRAMENTO COUNTY
ESTIMATES TONNAGE DISPOSED BY GENERATOR TYPE (1)
(tons rounded to nearest 100)

	RESIDENTIAL	COMMERCIAL	SELF-HAUL	
SACRAMENTO COUNTY SOUTH TRANSFER STATION	200 Co. Collection ----- 200	6,000 Weighed Credit ----- 6,000	6,400 Weighed Cash 25,900 Unweighed Cash ----- 32,300	SOUTH TRANSFER STATION 38,500 TOTAL DISPOSED (4)
SACRAMENTO COUNTY NORTH TRANSFER STATION	6,600 Co. Collection 2,000 McClellan (2) ----- 8,600	11,600 Credit 8,000 McClellan (2) ----- 19,600	10,600 Weighed Cash 33,500 Unweighed Cash ----- 44,100	NORTH TRANSFER STATION 72,300 TOTAL DISPOSED (4)
SACRAMENTO COUNTY LANDFILL (KEIFER ROAD) Direct Disposal Only (Does not include transfer)	230,200 Co. Collection 2,400 Camarillo (3) 1 McClellan (2) ----- 232,600	5 McClellan (2) 600 Camarillo (3) 235,400 Credit ----- 236,000	27,200 Weighed Cash 10,600 Unweighed Cash ----- 37,800	COUNTY LANDFILL 506,400 TOTAL DISPOSED (4) (direct disposal only)
CITY OF SACRAMENTO LANDFILL	118,100 City Res. Collect. 64,800 Garden Refuse ----- 182,900	4,400 Parks and Rec. 52,800 City Com. Collect. 9,900 City Misc. 600 Tree Cont. ----- 67,700	0 ----- 0	CITY LANDFILL 250,600 TOTAL DISPOSED (5)
TOTAL.....	424,300 Residential Waste Disposed	329,300 Commercial Waste Disposed	114,200 Self-haul Waste Disposed	867,800 Total Disposed (4)
PERCENT OF TOTAL WASTE STREAM.....	49%	30%	13%	100%

- (1) The tonnage estimations do not include waste disposed at other facilities within the County (landclearing and demolition) or waste exported from the County.
(2) Waste hauled by McClellan is estimated by the County to be approximately 80% commercial and 20% residential.
(3) Waste hauled by Camarillo is estimated by the County to be approximately 20% commercial and 80% residential.
(4) This total represents only the materials disposed at the facilities named above. It does not take into account removal of some materials to salvage or unaccounted loss. Also does not account for waste disposed at the Landclearing and Demolition Landfill (142,400 tons, 1986 County Solid Waste Management Plan) or waste exported (94,600 tons, 1986 County Solid Waste Management Plan) from the County.
(5) Does not include tonnage of waste diverted to composting.

SOURCES: Sacramento County "Projected Tonnage/Transactions and Income for 1988-89", the 1987-88 estimates.
"City of Sacramento Tonnage Report 1988".

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TABLE 18
SACRAMENTO CITY AND COUNTY
CITY LANDFILL - RESIDENTIAL WASTE STREAM COMPOSITION
APRIL 1989

Sample Size = 11 loads
Total Weight Sorted = 3,316 lbs.
Average Weight Sorted per Sample = 301 lbs.

Adjustment for city loads:
Total weight sorted = 3,316 lbs.
Adjust 35% as yard waste = 1,785 lbs.

WASTE CATEGORIES	Mean Percentage	Precision Interval @ 90% Confidence (+/- percent)	Tons	Precision Interval @ 90% Confidence (+/- tons)
PAPER	24.9%		45,467	
Newspaper	6.7%	8.7%	12,263	15,930
Corrugated Paper	3.8%	3.6%	6,902	6,550
Computer Paper	0.0%	0.0%	0	0
Office Paper	0.2%	0.8%	330	1,293
Mixed Recyc. Paper	5.9%	5.8%	10,715	10,649
Non-recyc. Paper	5.1%	5.2%	9,352	9,519
Disposable Diapers	3.0%	7.1%	5,429	12,923
Supermix Paper	0.3%	0.7%	473	1,326
PLASTIC	5.0%		9,073	
PET Bottles	0.1%	0.3%	240	502
Milk/Juice Containers	0.3%	0.6%	514	1,146
Polystyrene	0.4%	0.6%	668	1,077
Film Plastics	2.0%	1.6%	3,584	2,835
Hard Plastic Packaging	1.2%	1.1%	2,158	2,041
Plastic Products	1.0%	1.5%	1,803	2,808
Supermix Plastic	0.1%	0.2%	106	371
GLASS	4.1%		7,491	
Refillable Bev. Containers	0.0%	0.0%	0	0
Cal. Redemption	1.5%	2.7%	2,914	4,911
Cal-Non-redemption	2.3%	2.8%	4,182	5,186
Plate Glass	0.0%	0.0%	0	0
Non-recyclable Glass	0.0%	0.0%	4	29
Supermix Glass	0.2%	0.7%	331	1,325
METAL	3.2%		5,789	
Aluminum Cans	0.3%	0.6%	640	1,058
Tin Cans	1.2%	1.5%	2,132	2,654
Bi-metal Cans	0.0%	0.0%	0	0
Ferrous Metals	0.4%	2.6%	676	4,717
Non-ferrous Metals	0.2%	0.4%	400	754
Insulated Wire	0.0%	0.0%	4	48
White Goods	0.0%	0.0%	0	0
Mixed Metals & Materials	1.0%	4.6%	1,831	8,443
Supermix Metals	0.1%	0.2%	106	359
RUBBER	0.5%		975	
Rubber Products	0.5%	3.3%	975	5,956
Tires	0.0%	0.0%	0	0
WOOD	1.3%		2,372	
ORGANICS	50.9%		93,139	
Food	4.2%	7.6%	7,751	13,930
Yard Waste	37.6%	9.2%	68,673	16,841
Leaves and Grass	8.5%	29.6%	15,490	54,042
Other Organics	0.1%	0.5%	194	924
Supermix Organics	0.6%	3.9%	1,032	7,066
OTHER	9.6%		17,551	
Textiles	4.7%	11.7%	8,625	20,564
Leather	0.0%	0.2%	54	343
Ash	0.1%	0.8%	190	1,468
Ceramics/Porcelain/China	0.0%	0.3%	66	458
Rock/Concrete/Bricks	0.0%	0.0%	0	0
Sand/Soil/Dirt/Fines	0.0%	0.2%	53	437
Gypsum Drywall	0.3%	2.1%	459	3,765
Fiberglass Insulation	0.0%	0.0%	0	0
Construction Debris	0.5%	2.3%	853	4,178
Bulky Waste	0.0%	0.0%	0	0
Supermix, Non-distinct Fines	4.0%	14.7%	7,252	26,893
HAZARDOUS MATERIALS & CONTAINERS	0.4%		674	
HAZARDOUS CONTAINERS-EMPTY	0.2%		285	
TOTAL	100%		182,815	

TABLE 19
SACRAMENTO CITY AND COUNTY
CITY LANDFILL - COMMERCIAL WASTE STREAM COMPOSITION
APRIL 1989

Sample Size = 6 loads
Total Weight Sorted = 2,147 lbs.
Average Weight Sorted per Sample = 358 lbs.

WASTE CATEGORIES	Mean Percentage	Precision Interval @ 90% Confidence (+/- percent)		Tons	Precision Interval @ 90% Confidence (+/- tons)	
PAPER	41.9%			28,342		
Newspaper	6.1%	12.3%		4,144		8,329
Corrugated Paper	11.3%	22.7%		7,645		15,366
Computer Paper	0.2%	0.4%		132		266
Office Paper	1.5%	3.0%		1,001		2,012
Mixed Recyc. Paper	7.3%	14.8%		4,973		9,996
Non-recyc. Paper	13.8%	27.7%		9,338		18,768
Disposable Diapers	1.5%	3.0%		1,012		2,035
Supermix Paper	0.1%	0.3%		97		195
PLASTIC	8.1%			5,517		
PET Bottles	0.2%	0.4%		129		260
Milk/Juice Containers	0.2%	0.4%		134		269
Polystyrene	0.5%	0.9%		306		615
Film Plastics	4.8%	9.8%		3,224		6,481
Hard Plastic Packaging	1.8%	3.5%		1,192		2,396
Plastic Products	0.7%	1.5%		495		995
Supermix Plastic	0.1%	0.1%		36		72
GLASS	6.6%			4,483		
Refillable Bev. Containers	0.0%	0.0%		0		0
Cal. Redemption	2.6%	5.3%		1,771		3,559
Cal Non-redemption	3.4%	6.8%		2,274		4,570
Plate Glass	0.0%	0.0%		0		0
Non-recyclable Glass	0.4%	0.8%		262		526
Supermix Glass	0.3%	0.5%		177		355
METAL	3.4%			2,269		
Aluminum Cans	0.5%	0.9%		307		618
Tin Cans	1.4%	2.8%		948		1,905
Bi-metal Cans	0.2%	0.4%		140		282
Ferrous Metals	0.4%	0.7%		244		491
Non-ferrous Metals	0.3%	0.6%		199		399
Insulated Wire	0.0%	0.0%		0		0
White Goods	0.0%	0.0%		0		0
Mixed Metals & Materials	0.6%	1.2%		407		818
Supermix Metals	0.0%	0.1%		24		48
RUBBER	0.0%			3		
Rubber Products	0.0%	0.0%		3		6
Tires	0.0%	0.0%		0		0
ORGANICS	31.9%			21,584		
Food	23.0%	46.2%		15,575		31,305
Yard Waste	2.5%	5.1%		1,708		3,433
Leaves and Grass	6.1%	12.2%		4,100		8,240
Other Organics	0.0%	0.1%		19		38
Supermix Organics	0.3%	0.5%		183		368
WOOD	1.1%			737		
OTHER	7.0%			4,732		
Textiles	2.0%	4.0%		1,334		2,681
Leather	0.1%	0.2%		69		139
Ash	0.1%	0.2%		57		114
Ceramics/Porcelain/China	0.2%	0.4%		129		260
Rock/Concrete/Bricks	0.0%	0.0%		0		0
Sand/Soil/Dirt/Fines	3.1%	6.3%		2,124		4,268
Gypsum Drywall	0.0%	0.0%		0		0
Fiberglass Insulation	0.0%	0.0%		0		0
Construction Debris	0.9%	1.8%		621		1,249
Bulky Waste	0.0%	0.0%		0		0
Supermix, Non-distinct Fines	0.6%	1.2%		397		799
HAZARDOUS MATERIALS & CONTAINERS	0.0%			0		
HAZARDOUS CONTAINERS-EMPTY	0.0%			0		
TOTALS	100.00%			67,667		

APPENDIX B

City of Sacramento Resolution

RESOLUTION NO. 89-685

CERTIFIED AS TRUE COPY
OF RESOLUTION NO. 89-685

ADOPTED BY THE SACRAMENTO CITY COUNCIL

SEP 11 1989

ON DATE OF AUG 29 1989

RESOLUTION ESTABLISHING RECYCLING AND WASTE REDUCTION GOALS AND DIRECTING STAFF TO DEVELOP RECOMMENDATIONS FOR IMPLEMENTATION OF A CURBSIDE RECYCLING PROGRAM

[Signature]
CITY CLERK

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF SACRAMENTO THAT:

1. The following recycling and waste reduction goals be established:
 - (a) by January 1, 1992, the City shall endeavor to recycle or reduce all solid waste disposed of in the City by 30%, by weight;
 - (b) by January 1, 1995, the City shall endeavor to recycle or reduce all solid waste disposed of in the City by 40%, by weight;
 - (c) by January 1, 1999, the City shall endeavor to recycle or reduce all solid waste disposed of in the City by 70%, by weight; and
 - (d) the City shall compost or utilize alternative disposal to landfilling of the maximum amount of yard and garden waste that is feasible.
2. A pilot curbside recycling program, serving at least one-quarter of the households in the City, will be implemented subject to CEQA compliance by August 1, 1990. Staff is hereby directed to develop an implementation plan, including an analysis of costs associated with various curbside recycling options. The staff recommendations shall be returned to the Joint Transportation and Community Development/Budget and Finance Committees no later than November 14, 1989.
3. The recommendations contained in the Solid Waste Advisory Committee Recycling Action Plan, titled "Subcommittee's Phase I Report" be referred to the City Manager for staff review, analysis, and recommendation in the context of the entire Solid Waste Management Program. The staff recommendations shall be returned to the Joint Transportation and Community Development/Budget and Finance Committees no later than November 14, 1989.
4. The Recycling Subcommittee of the Solid Waste Advisory Committee is hereby authorized to return to the City Council by February 6, 1990, with further recommendations on its proposed Recycling Action Plan.

ANNE RUDIN
MAYOR

ATTEST:

VALERIE BURROWES
CITY CLERK

FOR CITY CLERK USE ONLY

RESOLUTION NO.: 89-685

DATE ADOPTED: AUG 29 1989

APPENDIX C

Bibliography of Solid Waste Disposal Studies

**(from 1988 Amending Document to Sacramento County
Solid Waste Management Plan)**

TABLE 1-1

BIBLIOGRAPHY OF SOLID WASTE DISPOSAL STUDIES

Sacramento City Solid Waste Transfer Station - Site Selection by Brown and Caldwell, August 1979

Under contract from the City Solid Waste Division, Brown and Caldwell and its subcontractor Carissimi Rohrer Associates established 13 criteria for determining the location of a City Transfer Station. Subsequently, 19 potential sites were identified and evaluated to the established criteria. The results of the evaluation and analysis was that seven sites for the location of a Transfer Station were identified. The sites, in order of best to least preferred, were (1) Portion of the City Landfill, (2) Richards Boulevard Industrial Area - NW, (3) Richards Boulevard Area - NE, (4) Former Walker and Donant Landfill Site (N/A), (5) Redding and 4th Avenue, (6) Power Inn and Southern Pacific Railroad (Granite's), and (7) Portion of Elvas Farms (N/A).

Solid Waste Transfer Station Conceptual Design Report by Brown and Caldwell, February 1980.

The conceptual design described a 600 ton-per-day stationary compactor-type transfer station located at the southwestern portion of the City Landfill. This study resulted in the development and definition of the appropriate design criteria for a transfer station.

Solid Waste Transfer Station Initial Study, by J.B. Gilbert Associates, February 1980

This study was prepared to assist in a City determination as to whether an Environmental Impact Report (EIR) was needed for a project that would place a Transfer Station on a portion of the City Landfill. Based on an early draft of the Initial Study, the City Public Works Department determined that an EIR was needed.

Draft Environmental Impact Report on Solid Waste Disposal Alternatives by Brown and Caldwell, August 1980

This study evaluated the likely environmental impacts of four solid waste disposal alternatives defined by Public Works staff. The alternatives studied were (1) Direct Haul to Landfill, (2) Transfer Station at the City Landfill Site, (3) Baling Station at the City Landfill, and (4) Baling Station and Balefill at the Granite Site. All of the above disposal methods were to include resource recovery or the potential for future resource recovery. The report indicated that the only significant adverse environmental impact of the various projects was an increase in air emissions and fuel consumption.

Vegetal Waste Processing Agreement by City Staff, September 1981

This report presented to the City Council a California Department of General Services proposed contract for the purchase of organic residue (vegetal waste) from the City of Sacramento. In March of 1982, the City entered into an

agreement with the State to provide fuel for heating State offices. The project was not successful for a variety of technical reasons, thus the program was terminated.

Final Environmental Impact Report on Solid Waste Disposal Alternatives by Brown and Caldwell, January 1982

Final EIR for formerly proposed alternatives expanded to include the Vegetal Waste Processing Facility on the southwest portion of the City Landfill. The city Council approved this EIR.

Potential Land Uses of 43.38 Acre Parcel by George S. Nolte and Associates, March 1983

This study was prepared to assist the City in determining whether or not to renew its option to purchase a parcel of land across from the City Landfill then owned by the State Department of Transportation (Caltrans) and now known as the Lennane property. The study indicated that the property could best be used for either of three potential functions: (1) a consolidated City Corporation yard, (2) a church and community center and (3) an industrial/commercial office PUD. The City did not renew its option since a corporation yard was not approved for the site.

Site Technical Report and Supplemental Draft Environmental Impact Report Landfill Expansion by Brown and Caldwell, July 1983

This report presented the technical findings as to the suitability of the expansion of the City Landfill at 28th and B Street and it also documented the environmental impacts associated with the landfill's expansion. This report also identified measures to mitigate potential significant impacts.

Final Supplemental Environmental Impact Report Landfill Expansion by Brown and Caldwell, October 1983

Final EIR for a 35 acre expansion of the City Landfill. The City approved this EIR with modifications that reduced the expansion to 28 acres.

Evaluation of Diverting City Waste Through Sacramento County's Transfer Station by Cooper Engineers, Inc., December 1984

At City Council's request, a consultant engineering firm was hired to evaluate the feasibility of using the County-owned transfer station to expand the useful life of the City Landfill. The results of the evaluation indicated that the County transfer stations would require physical and permit modifications to accommodate the City's solid waste. In all cases, the use of the transfer stations would result in higher unit cost than landfilling at the City Landfill for the next three years.

Request for Proposals (RFP) Waste-to-Energy Facility, City of Sacramento by Brown, Vence & Associates, February 1985

Public Works hired the consultant firm of Brown, Vence & Associates and their subcontractors Smith Barney, Harris Upham & Co., Inc., to prepare a RFP to select a firm to design, build, own, and operate a waste-to-energy facility. Twelve firms responded to the RFP.

Evaluation of WTE Proposals for City of Sacramento by Brown, Vence & Associates, March 1985

The 12 proposals submitted were analyzed and the listed firms were recommended as viable competitors (1) Ogden-Martin, (2) American REF-FUEL, and (3) Foster Wheeler Corp. However, no contract negotiations were started pending analysis of WTE air quality offsets compatibility with local air quality requirements.

Analysis of Power Purchase Agreement and Transmission Constraints and Their Effect on the City of Sacramento Waste-to-Energy Project by Raymond H. Moseley..., October 1985

In an effort to reasonably evaluate a waste-to-energy electricity generation option. City staff obtained the services of a consultant to analyze the potential for local power purchase agreements.

The report indicated that, if the City was to consider a waste-to-energy project that generated electricity, the City should pursue selling the electricity to PG&E as opposed to the Sacramento Municipal Utilities District (SMUD).

Feasibility of Permitting a Municipal Solid Waste - Fired Resource Recovery Facility by Cooper Engineers, November 1985

This report assessed the ability to obtain the necessary air permits to operate a waste-to-energy resource recovery facility sized to process and burn 600 tons or more of municipal solid waste (msw) each day. The results of the analysis indicated a lack of sufficient air emission offsets in the Sacramento area. Thus, the WTE facility is being held in abeyance until air emission standards can be met by new facilities.

Site Technical Studies Florin-Perkins Site (Granite Quarry) by Jones and Stokes Associates, November 1985

This study was conducted to ascertain if the Granite Quarry met the California water Resources Control Board's physical and technical requirements for a municipal landfill. The study revealed that a Class III landfill was feasible at the Granite site. However, extensive site development would be required. Because of the potential high site development costs, other disposal options were studied.

Solid Waste Disposal Alternative Feasibility Study by Jones and Stokes Associates, April 1986

Jones and Stokes Associates with their subcontractor Cooper Engineers undertook a three pronged effort to plan for and develop solid waste disposal options to replace the City landfill.

The study group developed 50 criteria to evaluate nine alternatives. The alternatives include (1) direct haul, (2) several landfills, and (3) transfer and balefill. The report indicated several desirable alternatives should receive added study. Both direct haul and use of transfer stations seem to have no significant liabilities. The final choice should be based on project

specific difference. The report indicated that a Bialefill would require a more thorough analysis of its economic implications. It was also recommended that a more definitive study of using the County's landfill be undertaken.

Landfill Site Analysis by Jones and Stokes Associates, June 1986

Jones & Stokes Associates and Cooper Engineers performed a feasibility study of five potential landfill sites all of which were located outside the City in the eastern area of Sacramento County. One site at the southeast corner of the Sunrise/Kiefer Boulevard intersection, about one mile north of Jackson Road, was a better technical site than the other four.

City of Sacramento Closure Plan for 28th Street Sanitary Landfill by City Solid Waste Division, June 1986

This plan was prepared in compliance with State Water Resources Control Board's Title 23, Chapter 3, Subchapter 15 of the California Administrative Code. The plan covers the 113 acre landfill and contains all requested elements of landfill closure including final grading and final cover.

Solid Waste Transfer System Analysis by Jones & Stokes Associates, Inc., September 1986

On October 19, 1985, the City Council endorsed the implementation of a transfer station to provide for disposal of the City's solid waste. This report reflects a second study of the City's using the County transfer stations. It also developed transfer station evaluation criteria. This report recommended the City landfill as the best site for a City transfer station.

Solid Waste Transfer Station Site Analyses by Jones & Stokes Associate, Inc., September 1987

On February 17, 1987, the City Council passed a resolution which directed the Department of Public Works to conduct a detailed survey of potential sites for a solid waste transfer station. The report provides the results of an investigation of ten (10) sites excluding the City Landfill. It is recommended in this report that three of the ten (10) sites be carried on to detailed environmental and economic review. The sites proposed are North B Street, Fruitridge/Florin-Perkins and Granite's Gravel Quarry.

NOTE: In 1988, after numerous studies attempting to identify a suitable site for the City Transfer Station, the City Council directed City staff to pursue long hauling City wastes to the County Landfill in place of the City Transfer Station option.

ITEM #2

**VENDORS CONFERENCE
QUESTIONS AND RESPONSES**

CITY OF SACRAMENTO

VENDORS CONFERENCE

November 15, 1989

1. **Question:** What is the basis for the City population figures in the RFQ-TI?

Response: Figures were supplied by the City Revenue Division.

2. **Q:** Several vendors had questions regarding the City's recycling and composting programs and plans.

R: Information on City's recycling and composting programs and plans are summarized in two staff reports:

- A. Composting Yard and Garden Waste, November 14, 1989, and
- B. Matters Related to Staff Review, Analyses and Recommendations on the Solid Waste Advisory Committee's Phase I Report on Recycling, November 14, 1989,

submitted in support of Agenda Items 5 and 6 of the Joint Committee of Transportation and Community Development and Budget and Finance Meeting November 14, 1989. Copies are available from the City Clerk.

3. **Q:** How will the City calculate the waste reduction and recycling percentages?

R: The State is currently preparing guidelines for calculating percentage reduction and recycling. The City will review these guidelines when available and then determine whether to adopt the State's methodology or develop its own.

4. **Q:** Will the City reserve certain portions of the waste stream for its own programs?

R: This is negotiable based on the needs of the selected vendor.

5. **Q:** How will the responses to the RFQ-TI be used in the City's Environmental Impact Report?

R: The City wants to be sure that the EIR addresses all feasible alternatives in conformance with California Environmental Quality Act guidelines.

6. Q: Will the City negotiate long term landfill contracts?

R: It is the responsibility of the selected vendor to arrange disposal of all nonrecovered solid wastes.

7. Q: Should proposers base their costs on County Landfill tipping fees? How shall these costs be calculated?

R: Use the published County Landfill Fee Schedule (\$10.50 per ton) unless you can demonstrate in your response alternate pricing for residual disposal. Do not include escalation in your economic analyses.

8. Q: Several vendors requested information on specific sites.

R: Responses to the RFQ-TI do not require site specific information. All available information is contained in previously published reports identified in the RFQ-TI bibliography (Appendix C). Information on City owned sites is available from the Sacramento County Assessors office.

9. Q: Can information be held confidential?

R: See attached response by City Attorney.

10. Q: Will proposer be able to represent themselves if litigation arises?

R: See attached response by City Attorney.

11. Q: What is the City's annual projected transportation cost of direct haul?

R: The City does not have this information currently. The City intends to develop it in the near future.

12. Q: Will the City supply sewage sludge to the project?

R: Operation of the regional sewage treatment facility is under the jurisdiction of the County. Refer to Sacramento County Department of Public Works for further information.

13. Q: Will the City endorse or support efforts by the selected vendor to obtain private activity bonds for facility financing?

R: Yes, provided it does not effect the City's credit or bonding capabilities nor violate any condition delineated on the RFQ-TI.

14. Q: Will the City reconsider its minimum requirement that vendors demonstrate at least three years of operation of a similarly scaled plant in the United States?

R: Yes, refer to attached addendum #1.

15. Q: How are the procurement of this system and the City's plans for other recycling and composting programs compatible.

R: The City is looking for the best way to reach its waste reduction and recycling goals. Procurement of this project is considered an important step. Depending upon the nature of the proposals received the City may or may not implement other programs. This will be negotiated with the selected vendors.

16. Q: Does the reference plant have to be at least 1,000 tons per day?

R: The City may consider reference facilities less than 1,000 tons per day provided that convincing information is submitted on how the scale-up will be successfully accomplished.

17. Q: Would the City adapt collection techniques to facilitate a proposed project?

R: The City will consider collection system adaptations provided that significant changes in equipment and/or manpower are not required.

18. Q: Must the proposer have a net worth equal to at least 20 percent of the net worth of the facility?

R: Yes, the firm or joint venture partner ultimately entering into an Agreement with the City must meet this financial test.

19. Q: What are the applicable rates for sale of power?

R: Vendors are referred to the Sacramento Municipal Utility District and Pacific Gas and Electric Company for information on power sales rates.

20. Q: What is the status of air emission offsets in the area?

R: Vendors are referred to the Sacramento County Air Pollution Control District for this information.

21. Q: What annual tonnage should be used for purposes of responding to the RFQ-TI?

R: Use 250,000 tons per year. This represents the amount collected by the City (refer to Table 3 in RFQ-TI). Additional commercial wastes are collected by the private sector and are not disposed in the City's landfill. As stated on the RFQ-TI additional waste streams may be included in the project if it is advantageous. The City collects all residential wastes including multifamily within the City limits and a portion of the commercial wastes. Residential wastes are collected 5-1/2 days per week. No holidays are taken that affect the collection schedule.

22. Q: Is there a firm closure date for City Landfill?

R: No definitive date is set at this time. The current estimated closure date is late 1991 or early 1992. Final closure depends on landfill capacity as determined by the grading plan.

23. Q: Does the City RFQ-TI require proposals that are expandable in the sense that they accommodate future waste stream growth?

R: Expandable capacity is not a requirement. The City will consider proposals if they only accommodate existing waste quantities.

24. Q: Are proposals acceptable if they respond to just one segment of the City collected waste stream?

R: No. Refer to Goals and Objectives in the RFQ-TI (Page 3-1). The proposed project should be scaled to accommodate the entire City collected waste stream.

25. Q: Will the City cooperate with a vendor to utilize composted materials that is not marketable?

R: Alternatives to disposal of waste are responsive to the RFQ-TI. Whether material is sold or not is not addressed as a minimum requirement.

26. Q: Are City Council goals legally binding?

R: See Appendix B of the RFQ-TI. The recycling and waste reduction goals state that "the City shall endeavor to recycle or reduce . . ." Failure to meet goals, or subsequent penalties are not addressed in the City Council Resolution. On the other hand, state goals as established by AB 939 are legally binding on cities and counties in California.

27. Q: Will the City haul waste to a proposed site if the site is not more distant than the County landfill?

R: The City will entertain such proposals.

28. Q: Will the City provide water and sewer service to the project site?

R: The City provides such services within its jurisdiction. To determine service rates and requirements, vendors may contact:

Public Works Department
Water Division or
Flood Control and Sewers Division
1391 35th Avenue
Sacramento, CA
(916) 449-5271

29. Q: Are proposals to be considered "competitive" only in relation to the \$10.50 per ton tipping fee at the County Landfill.

R: No. Although project net costs in relation to the tipping fee is relevant, proposals may also be competitive to the extent they attain City and state goals.

30. Q: What does "knowledge of local issues" refer to?

R: The City wants proposals that are specific to Sacramento. To the extent your proposal is more specific and less general, the City will be better able to assess the merits of the project. Refer to RFQ-TI, Section IV, under Personnel/Management Element (Page 4-2) for discussion of this matter.

31. Q: Are there any new City fees, taxes or surcharges that vendors should be aware of?

R: For purposes of submitting a proposal, assume existing fee and tax structures.

32. Q: Can we get a copy of the listing of attendees at today's Vendor Conference?

R: Yes, copies are available upon request. Also available is a listing of those who received the RFQ-TI. Requests should be directed to the office of:

Reginald Young
Department of Public Works
915 "I" Street, Room 207
Sacramento, CA 95814
(916) 449-5283

33. Q: Why are there two to three months between announcement of short listed vendors and release of the Request for Cost Proposals?

R: The City is reconsidering the schedule for short list notification and will advise all parties accordingly.

34. Q: Will the city consider proposals for composting?

R: Yes, provided the proposal meets the requirements of the RFQ-TI.

35. Q: Who authorizes or signs an agreement on behalf of the City?

R: Any agreement between a vendor selected through this process and the City must be authorized by the City Council.

ITEM #3

RFQ-TI - ADDENDUM NO. 1

RFQ-TI ADDENDUM NO. 1

TO: All Proposers

DATE: November 20, 1989

FROM: Reginald Young
Deputy Director of Public Works
City of Sacramento

SUBJECT: Addendum No. 1 - Request
For Qualifications and
Technical Information
Issued By The City of
Sacramento on October 18, 1989

-
- A. In response to numerous questions submitted at the Vendors Conference on November 15, the City has determined to extend the deadline for submitting RFQ-TI responses by two weeks. The following changes to the RFQ-TI should be made:
1. Change on page 1-1. The first sentence in the last paragraph should now read: "The deadline for submitting responses to the RFQ-TI is 5 p.m., December 13, 1989."
 2. Change on page 1-2. The date listed in the Tentative Schedule for "RFQ-TI submission deadline" should now read: "December 13, 1989."
 3. Change on Page 5-2. The first sentence under E. Step Five should now read: "Submit ten copies of your responses to this RFQ-TI to the City on or before 5 p.m., December 13, 1989."
- B. The City of Sacramento has determined to delete the minimum criterion that specifies reference facilities or processes identified in the response must be located in the United States. Three specific references to the United States are deleted in Sections III, IV and VI:
1. Change on page 3-1. The fifth City objective should now read: "The City desires that proposed facilities or processes incorporate proven technologies, and that the vendor be able to demonstrate that at least one comparable project has been operating effectively for at least three years."
 2. Change on page 4-4. The third sentence under Technical Information Element should now read: "Projects that rely on emerging or new technologies that have no track record in reference facilities or operations will be deemed unqualified by the City."
 3. Change on page 6-2. The sentence immediately above Step Two Evaluation should now read: "In addition to the above, the technology for the proposed project must have been successfully employed in a project of similar scale for at least three years."
- C. In your cover letter to the RFQ-TI, please acknowledge that you received this Addendum No. 1.

ITEM #4

INITIAL REVIEW RESULTS

Initial Review Results

A. Proposals Meeting Minimum Criteria

1. American Recovery Corp.
2. Browning-Ferris Industries
3. Central Valley Recycling
4. Norcal Solid Waste Systems, Inc.
5. Riedel Waste Disposal Systems, Inc.
6. Waste Management of North America, Inc.

B. Proposals Not Meeting Minimum Criteria

<u>Company</u>	<u>Failed Criteria</u>
1. Dale Creasey	Management Financial Technical Contractual
2. International Process Systems, Inc.	All categories
3. New England CRINC	Financial Environmental Contractual
4. Pro-Syss Waste Corp.	Financial Technical
5. Recycled Wood Products	All categories
6. Resource Recovery Systems, Inc.	Financial Contractual
7. Ventech Energy Corp.	Financial Technical
8. WPF/BLI Waste Reduction Corp.	Financial

C. Questionable Proposal

1. Daneco
Financial strength &
operational history in question

ITEM #5

STEP ONE EVALUATION OF RESPONSES

STEP ONE EVALUATION - MINIMUM CRITERIA

RESPONDING VENDOR: American Recovery Corp.

Criteria	Yes	No	Nonresponsive
Response completeness in regards to:			
Ten copies received by 12/13/89	X		
Cover letter with key contract	X		
Executive summary	X		
Personnel/management element	X		
Financial element	X		
Technical information element	X		
Environmental element	X		
Contractual element	X		
Agree to provide full-service contract:			
Site acquisition	X		
Design/construction	X		
Ownership/operation	X		
Operational history:			
Minimum five years of operation	X		
Minimum three years as profitable	X		
Net worth of 20% of estimated capital costs.	X		
Will provide development funds (5% of capital costs).	X		
Proposed technology successfully employed for at least three years.	X		

STEP ONE EVALUATION - MINIMUM CRITERIA

RESPONDING VENDOR: Browning-Ferris Industries

Criteria	Yes	No	Nonresponsive
Response completeness in regards to:			
Ten copies received by 12/13/89	X		
Cover letter with key contract	X		
Executive summary	X		
Personnel/management element	X		
Financial element	X		
Technical information element	X		
Environmental element	X		
Contractual element	X		
Agree to provide full-service contract:			
Site acquisition	X		
Design/construction	X		
Ownership/operation	X		
Operational history:			
Minimum five years of operation	X		
Minimum three years as profitable	X		
Net worth of 20% of estimated capital costs.			
	X		
Will provide development funds (5% of capital costs).			
	X		
Proposed technology successfully employed for at least three years.			
	X		

STEP ONE EVALUATION - MINIMUM CRITERIA

RESPONDING VENDOR: *Central Valley Recycling*

Criteria	Yes	No	Nonresponsive
Response completeness in regards to:			
Ten copies received by 12/13/89	X		
Cover letter with key contract	X		
Executive summary	X		
Personnel/management element	X		
Financial element	X		
Technical information element	X		
Environmental element	X		
Contractual element	X		
Agree to provide full-service contract:			
Site acquisition	X		
Design/construction	X		
Ownership/operation	X		
Operational history:			
Minimum five years of operation	X		
Minimum three years as profitable	X		
Net worth of 20% of estimated capital costs.	X		
Will provide development funds (5% of capital costs).	X		
Proposed technology successfully employed for at least three years.	X		

STEP ONE EVALUATION - MINIMUM CRITERIA

RESPONDING VENDOR: *Noreal Solid Waste Systems Inc.*

Criteria

Yes

No

Nonresponsive

Response completeness in regards to:

- Ten copies received by 12/13/89
- Cover letter with key contract
- Executive summary
- Personnel/management element
- Financial element
- Technical information element
- Environmental element
- Contractual element

X		
X		
X		
X		
X		
X		
X		
X		

Agree to provide full-service contract:

- Site acquisition
- Design/construction
- Ownership/operation

X		
X		
X		

Operational history:

- Minimum five years of operation
- Minimum three years as profitable

X		
X		

Net worth of 20% of estimated capital costs.

X		
---	--	--

Will provide development funds (5% of capital costs).

X		
---	--	--

Proposed technology successfully employed for at least three years.

X		
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STEP ONE EVALUATION - M' 'UM CRITERIA

RESPONDING VENDOR: Kiedel Waste Disposal Systems, Inc.

Criteria	Yes	No	Nonresponsive
Response completeness in regards to:			
Ten copies received by 12/13/89	X		
Cover letter with key contract	X		
Executive summary	X		
Personnel/management element	X		
Financial element	X		
Technical information element	X		
Environmental element	X		
Contractual element	X		
Agree to provide full-service contract:			
Site acquisition	X		
Design/construction	X		
Ownership/operation	X		
Operational history:			
Minimum five years of operation	X		
Minimum three years as profitable	X		
Net worth of 20% of estimated capital costs.	X		
Will provide development funds (5% of capital costs).	X		
Proposed technology successfully employed for at least three years.	X		

STEP ONE EVALUATION - MINIMUM CRITERIA

RESPONDING VENDOR: *Waste Management of North America, Inc.*

Criteria	Yes	No	Nonresponsive
Response completeness in regards to:			
Ten copies received by 12/13/89	X		
Cover letter with key contract	X		
Executive summary	X		
Personnel/management element	X		
Financial element	X		
Technical information element	X		
Environmental element	X		
Contractual element	X		
Agree to provide full-service contract:			
Site acquisition	X		
Design/construction	X		
Ownership/operation	X		
Operational history:			
Minimum five years of operation	X		
Minimum three years as profitable	X		
Net worth of 20% of estimated capital costs.			
	X		
Will provide development funds (5% of capital costs).			
	X		
Proposed technology successfully employed for at least three years.			
	X		

STEP ONE EVALUATION - MINIMUM CRITERIA

RESPONDING VENDOR: Daneco

Criteria	Yes	No	Nonresponsive
Response completeness in regards to:			
Ten copies received by 12/13/89	X		
Cover letter with key contract	X		
Executive summary	X		
Personnel/management element	X		
Financial element	X		
Technical information element	X		
Environmental element	X		
Contractual element	X		
Agree to provide full-service contract:			
Site acquisition	X		
Design/construction	X		
Ownership/operation	X		
Operational history:			
Minimum five years of operation		X ¹⁾	
Minimum three years as profitable		X ¹⁾	
Net worth of 20% of estimated capital costs.			X ²⁾
Will provide development funds (5% of capital costs).			X
Proposed technology successfully employed for at least three years.	X		

JOB: 89049-MC 12/26/89

1) Parent firm in Italy qualifies, but is not the prime on project.
 2) IT Corp. would qualify, but proposal does not respond to IT role in financing.

STEP ONE EVALUATION - MINIMUM CRITERIA

RESPONDING VENDOR: Dale Creasey PE

Criteria	Yes	No	Nonresponsive
Response completeness in regards to:			
Ten copies received by 12/13/89	X		
Cover letter with key contract	X		
Executive summary	X		
Personnel/management element			X
Financial element	X		
Technical information element	X		
Environmental element	X		
Contractual element	X		
Agree to provide full-service contract:			
Site acquisition		X	
Design/construction		X	
Ownership/operation		X	
Operational history:			
Minimum five years of operation		X	
Minimum three years as profitable		X	
Net worth of 20% of estimated capital costs.			
		X	
Will provide development funds (5% of capital costs).			
		X	
Proposed technology successfully employed for at least three years.			
		X	

STEP ONE EVALUATION - MINIMUM CRITERIA

RESPONDING VENDOR: CRI Inc

Criteria	Yes	No	Nonresponsive
Response completeness in regards to:			
Ten copies received by 12/13/89	X		
Cover letter with key contract		X	
Executive summary		X	
Personnel/management element	X		
Financial element			X
Technical information element	X		
Environmental element			X
Contractual element			X
Agree to provide full-service contract:			
Site acquisition			X
Design/construction			X
Ownership/operation			X
Operational history:			
Minimum five years of operation	X		
Minimum three years as profitable	X		
Net worth of 20% of estimated capital costs.			
			X
Will provide development funds (5% of capital costs).			
			X
Proposed technology successfully employed for at least three years.			
	X		

STEP ONE EVALUATION - MINIMUM CRITERIA

RESPONDING VENDOR: Pro-Cyss Waste Corp.

Criteria	Yes	No	Nonresponsive
Response completeness in regards to:			
Ten copies received by 12/13/89	X		
Cover letter with key contract	X		
Executive summary	X		
Personnel/management element	X		
Financial element	X		
Technical information element	X		
Environmental element	X		
Contractual element	X		
Ability to provide full-service contract:			
Site acquisition	X		
Design/construction	X		
Ownership/operation	X		
Operational history:			
Minimum five years of operation	X CREC	X Pro-Cyss	
Minimum three years as profitable			
Worth of 20% of estimated capital costs.		X 1)	
Will provide development funds (5% of capital costs).			X
Proposed technology successfully employed for at least three years.		X 2)	

1) Only GE Credit Corp. qualifies, but is not prime contractor.
 2) Generic systems have history, but proprietary system not established - reference facility is for 60 TPD for Pro-Cyss

STEP ONE EVALUATION - MINIMUM CRITERIA

RESPONDING VENDOR: Recycled Wood Products

Criteria

Yes

No

Nonresponsive

Response completeness in regards to:

- Ten copies received by 12/13/89
- Cover letter with key contract
- Executive summary
- Personnel/management element
- Financial element
- Technical information element
- Environmental element
- Contractual element

Criteria	Yes	No	Nonresponsive
Ten copies received by 12/13/89		X	
Cover letter with key contract	X		
Executive summary			X
Personnel/management element			X
Financial element			X
Technical information element			X
Environmental element			X
Contractual element			X
Agree to provide full-service contract:			
Site acquisition			X
Design/construction			X
Ownership/operation			X
Operational history:			
Minimum five years of operation			X
Minimum three years as profitable			X
Net worth of 20% of estimated capital costs.			X
Will provide development funds (5% of capital costs).			X
Proposed technology successfully employed for at least three years.	X		

STEP ONE EVALUATION - MINIMUM CRITERIA

RESPONDING VENDOR: Resource Recovery Systems, Inc.

Criteria	Yes	No	Nonresponsive
Response completeness in regards to:			
Ten copies received by 12/13/89	X		
Cover letter with key contract	X		
Executive summary			X
Personnel/management element	X		
Financial element			X
Technical information element			X
Environmental element	X		
Contractual element			X
Agree to provide full-service contract:			
Site acquisition		X	
Design/construction		X	
Ownership/operation		X	
Operational history:			
Minimum five years of operation	X		
Minimum three years as profitable	X		
Net worth of 20% of estimated capital costs.			
			X
Will provide development funds (5% of capital costs).			
			X
Proposed technology successfully employed for at least three years.			
	X		

STEP ONE EVALUATION - MINIMUM CRITERIA

RESPONDING VENDOR: Ventech Energy Corp.

Criteria	Yes	No	Nonresponsive
Response completeness in regards to:			
Ten copies received by 12/13/89	X		
Cover letter with key contract	X		
Executive summary	X		
Personnel/management element	X		
Financial element	X		
Technical information element	X		
Environmental element	X		
Contractual element	X		
Agree to provide full-service contract:			
Site acquisition	X		
Design/construction	X		
Ownership/operation	X		
Operational history:			
Minimum five years of operation	X ¹⁾		
Minimum three years as profitable			X
Net worth of 20% of estimated capital costs.	X ¹⁾		
Will provide development funds (5% of capital costs).			X
Proposed technology successfully employed for at least three years.		X ²⁾	

1) Joint venture arrangement with JWP not clear

2) generic systems have history, but propriety system not established -

STEP ONE EVALUATION - MINIMUM CRITERIA

RESPONDING VENDOR: Wt./BLI Waste Reduction Corp.

Criteria	Yes	No	Nonresponsive
Response completeness in regards to:			
Ten copies received by 12/13/89	X		
Cover letter with key contract	X		
Executive summary	X		
Personnel/management element	X		
Financial element	X		
Technical information element	X		
Environmental element	X		
Contractual element	X		
Agree to provide full-service contract:			
Site acquisition	X		
Design/construction	X		
Ownership/operation	X		
Operational history:			
Minimum five years of operation	X		
Minimum three years as profitable			X
Net worth of 20% of estimated capital costs.			X ^d
Will provide development funds (5% of capital costs).			X
Proposed technology successfully employed for at least three years.	X		

d) WPF takes exception with requirement of RFQ-TI

ITEM #6

WEIGHTING OF CRITERIA
MAJOR CATEGORIES

SELECTION COMMITTEE
STEP ONE - WEIGHTING OF CRITERIA

<u>Criteria</u>	<u>Weight</u>
1. Management capabilities and experience	17%
2. Financial strength and program economics	31%
3. Demonstrated technical feasibility	34%
4. Environmental impacts	12%
5. Contractual terms	6%
Total	100%

ITEM #7

WEIGHTING OF CRITERIA
DETAILED CATEGORIES

SELECTION COMMITTEE

STEP TWO - WEIGHTING OF CRITERIA

<u>Criteria</u>	<u>Weight</u>
Management	
1. Waste recovery project experience	4.4
2. Design/construction/operation of similar projects	4.4
3. Key personnel experience	3
4. Organizational approach	2.8
5. Knowledge of local markets/issues	2.4
Subtotal points	17
Economics	
1. Firm's operating history	5.4
2. Fiscal capability and strength	6
3. Ability to secure project financing	6.6
4. Estimates of costs/revenues	3.8
5. Ability to secure markets	5.2
6. Cost per ton tipping fee estimate	4
Subtotal points	31
Technical Feasibility	
1. Overall soundness of project	4.6
2. Technical feasibility of system and equipment	5.8
3. System design capacity	3.6
4. System flexibility regarding quantity/composition of waste	4.2
5. Reliability and backup capabilities	4

SELECTION COMMITTEE

STEP TWO - WEIGHTING OF CRITERIA
(Continued)

<u>Criteria</u>	<u>Weight</u>
6. Expansion capability of system	4.4
7. Quality controls for marketable products	3
8. Compatibility with recycling/waste reduction goals	4.4
Subtotal points	34
Environmental Impacts	
1. Site requirements of proposed facility	1.6
2. Air emissions and proposed mitigation	3.4
3. Other impacts from odor, noise, dust, vectors, litter and traffic	4.2
4. Identification and control of hazardous waste	2.8
Subtotal point	12
Contractual Terms	
1. Acceptance of "full-service" for site identification and acquisition, design, construction, operation and ownership	1.4
2. Twenty-year contract	0.8
3. Vendor responsibility for all permitting	0.8
4. Vendor responsibility for residue disposal	1.6
5. Agreement with City's reserved right to initiate future recycling	1.4
Subtotal points	6