

BEFORE THE COUNCIL OF THE
METROPOLITAN SERVICE DISTRICT

FOR THE PURPOSE OF APPROVING) RESOLUTION NO. 89-1117
PROJECTS AND PROGRAMS FOR THE)
ONE PERCENT FOR RECYCLING PROGRAM) Introduced by Councilor Wyers

WHEREAS, A One Percent for Recycling Program was established by Ordinance No. 88-250B on July 14, 1988, to foster implementation of innovative recycling projects and programs; and

WHEREAS, A One Percent for Recycling Advisory Committee was created on July 14, 1988, with the adoption of Ordinance No. 88-250B; and

WHEREAS, The Advisory Committee developed criteria and guidelines for the One Percent for Recycling Program and held public meetings for proposers and citizens to comment on their process and objectives; and

WHEREAS, Recommended criteria, guidelines and a Request for Proposals were adopted by the Council of the Metropolitan Service District on February 23, 1989 (Resolution No. 89-1052); and

WHEREAS, The Advisory Committee received and evaluated 47 proposals and interviewed 12 proposers; and

WHEREAS, The Recycling Advisory Committee has recommended 12 projects/programs to be funded during fiscal year 1989-90; and

WHEREAS, Three hundred thousand dollars (\$300,000) for recycling projects/programs was carried over from fiscal year 1988-89 to fund the recommended projects/programs; now, therefore,

BE IT RESOLVED,

1. That the Council of the Metropolitan Service District, as provided in Section 5.04.050(a) of the Metro Code, approves the recycling projects/programs recommended by the One Percent for Recycling Committee as shown in Exhibit A.
2. That the Metro Council shall review and approve the grants for the projects/programs as shown in Exhibit A attached.

ADOPTED by the Council of the Metropolitan Service District this
27th day of July, 1989.



Mike Ragsdale, Presiding Officer

JW:RB:pa
7/11/89
A:RES1117.89

EXHIBIT A

The following projects have been approved for funding:

PROMOTION/EDUCATION

John Inskeep \$20,400
Environmental Learning Center
Clackamas Community College Campus Project Coordinator:
Oregon City, Oregon 97045 Jerry Herrmann

Waste Shed: Region Wide

Project: Exhibition and Resource Center for Alternative Waste
Technologies

This is an educational project to construct a 1,000 square foot permanent exhibit at the Environmental Learning Center in Oregon City. The facility will be designed for all age levels and provide visual displays of use of natural resources in all phases from extraction to final disposal or recycling. Methods of resource extraction, processing, product manufacturing, energy usage, and reuse and recycling techniques would be instructed, including a "working recycling operation setting" on site. Up to twelve major exhibits will be incorporated in this display to depict the "story of earth's resources from cradle to grave or recovery."

User groups would include area teachers, classroom groups, industry representatives, girl and boy scout troops and other youth groups, out of area visitors, and the general public. This facility would be used in combination with other ongoing resource conservation training programs at the Center to enhance and expand the existing curricula.

The total project cost is approximately \$90,000. The remaining portion of \$69,600 will be provided by in kind match from the Environmental Learning Center, donations of construction materials (used and new), volunteer labor, and industry financial assistance. Additionally, the project coordinator will continue a program of the center in this project, which targets disadvantaged youth for employment and training opportunities.

A primary concern of the committee is publicizing the Center and increasing public awareness of its existence. Currently about 100,000 visitors a year tour the John Inskeep Environmental Learning Center, however, there are still many residents of the region who are unaware of its existence. The Board of Directors is concentrating on publicity and exposure and anticipates launching a major promotion campaign for the Center over the next year. The grant of this award is conditional upon the Center's pursuing independent promotion

efforts and on cooperation with Metro's endeavors in promoting waste reduction in the region.

The project schedule calls for a three month construction period with a goal of opening in time for Recycling Awareness Days the third week in October.

West Linn Very Little Theater

\$10,000

22830 Willamette Drive
West Linn, Oregon 97068

Project Coordinator:
Catherine R. Kelsay

Waste Shed: Region Wide

Project: "Recycling Show" traveling theater event for schools

This is a touring show designed to instruct youth about the 3 R's of Reduce, Recycle, and Reuse. An entertaining message appealing to school age youth will be integrated into the production to demonstrate theatrically how much garbage is produced everyday in the region and why it is critical to make wise consumer choices to REDUCE the volume; explaining how to RECYCLE; and ways in which waste can be REUSED.

The one-hour program will be scheduled in class rooms and school assemblies at 50 different area schools over the next school year. It will include the show, a question and answer/discussion followup and Teacher's Packets. The Teacher's Packets will contain lesson plans, Metro recycling pamphlet, a suggested list of recycling projects for the classroom with general lesson plans, and a questionnaire to present to students to evaluate the show and, in the early stages, offer modifications to the show to improve results.

The program will be publicized by the proposer through consultation with the Metro Public Affairs Department. To avoid redundancy and maximize the exposure of the message, schools will be targeted which have a lesser history of participation with Metro's existing recycling/conservation education programs.

The term of this project is the school year.

WASTE REDUCTION

Alpine Disposal and Recycling
Truttman Sanitary Service
Kampfer Sanitary Service
P.O. Box 16674
Portland, Oregon 97216

\$15,000

Project Coordinator:
Marguerite Truttman

Waste Shed: Portland Metropolitan

Estimated
Reduction: 2,028 tons

Project: Residential Curbside Container Recycling

This grant will provide funds for a project to test the success of a specific curbside recycling container known in the industry as "the blue box." This container is manufactured from recycled plastic resins; this information will be incorporated into the imprinted signature on the sides of the box. The container will be distributed to the residents in a specified area of Northeast and/or Southeast Portland. The original proposal requested \$28,048 for the project which was to be a joint effort of three collection companies. With the reduction in funds, a scaled down version of the initial proposal will be conducted. The exact effect on the proposal is not certain as discussions with the proposer will need to continue while developing the Scope of Work for the contract. However, it is likely that not all three collection routes will be used in the project and the project implementation revised accordingly.

This project calls for distribution of 2,000 single recycling bins (down from the proposed 4,000) to residences on collection route(s) in Northeast and possibly Southeast Portland. An education program using fliers and mailed notices to residents is part of the project and will be distributed prior to container delivery along with instructions for material preparation and use. Recyclables will be picked up weekly; monthly recycling reports will be submitted to Metro by the proposer.

The committee selected this proposal while aware of other efforts Metro is commencing for curbside recycling container programs. This type of container is not being used in any of the demonstration projects. We would like to know success results from this container, to be able to make comparisons with other types of containers (multiples, stackables, BAG-ITS, etc.); reporting data for this project will be structured to a similar format so that like comparisons can be made.

The term of this project is one year from the start up date. Delivery of containers will require approximately 12 to 14 weeks, hence the project should be underway by late fall.

Citistics, Inc.
5250 S.W. Alger Street
Beaverton, Oregon 97005

\$48,530

Project Coordinator:
Tom Miller

Waste shed: Washington County Estimated
Reduction: 2,000 tons

Project: Plastics Collection and Processing Facility

This project will provide 40-cubic yard drop boxes at ten Washington County locations for the general public to drop off plastic containers for recycling. A drop off facility and processing center will be established to receive and sort five categories of plastics for processing. These plastics include: HDPE (high density polyethylene - milk jugs), polypropylene and polyethylene (dairy containers), styrene, polystyrene foam, and miscellaneous plastic containers. The processing center will operate at a site in Beaverton, near Highway 217, which offers a central location in the County to direct the materials that are collected. The sorting capacity of this facility will be used by plastic processors who will provide material in addition to that which is collected via the drop boxes.

The project will employ developmentally disabled individuals by seeking referrals from vocational service providers in Washington County. Labor requirements will be initiated via contractual arrangements between the proposer and such parties as Edwards Center, Good Shepherd Work Activity Center, Oregon Employment Service Corp., Tualatin Valley Workshop, Portland Employment Program, Vanguard Services, and Christiance Counseling.

The full cost of this project is approximately \$228,580; it is estimated that \$180,050 can be generated via resale of processed plastic and that \$48,530 is needed from the 1% Program. It should be noted that recent drops in prices for virgin plastic resins has affected the sale price of recycled processed plastics. Therefore, there may be volume reductions, dependent upon achieving stability in the marketplace. This is because the funds are requested to partially cover the cost of both collection and processing. Thus, if revenues drop as the prices of recycled plastics drop, the project may need to be revised. This issue will be dealt with in the development of the contract Scope of Work.

The term of this project is one year from the start up date.

Clackamas County and
Clackamas County Refuse
Disposal Association
902 Abernethy Road
Oregon City, OR 97045

\$11,570

Project Coordinators:
Carrie Heaton and
Susan Ziolk

Waste Shed: Clackamas County

Estimated
Reduction: 342 tons

Project: Mobile Home Park and Retirement Center Recycling
Demonstration

This project will target selected mobile home parks and retirement complexes in Clackamas County to test various methods of monthly recycling pick up to identify the most cost effective and efficient ways of collecting principal recyclable materials. Collection methods will test individual containers, both curbside and common use areas, and centrally located multi-material collection boxes. Information collected will be utilized by the County to provide a basis for future direction for a county-wide multi-family collection recycling program. Targeted materials are currently being collected in residential areas; this project is intended to provide needed base data for program design to aid collection companies in continuing effective programs after the project ends.

The original proposal called for apartment houses to be included in the project. Since the committee has selected a multi-family recycling project proposed by another applicant the proposer was asked to focus on mobile home parks and retirement complexes. Additionally, the committee is aware of Metro's project for apartment complex recycling funded this year for Lake Oswego, Portland, and Beaverton.

County staff will work with unit managers and the franchised collectors to develop a waste audit of current recycling habits of residents. Appropriate containers will be selected, based upon space limitation, collection frequency, vehicular configurations, and individual preferences. "Curbside" versus a common use area collection point will be tested at mobile home parks. Features of the retirement complex programs will be tailored to the individual designs of the centers concentrating on ease and convenience to the residents.

Education and promotion materials will be prepared and distributed quarterly and "How-to, Why-to" training sessions will be provided, focusing on various age groups. Posters and container decals will be used as continuous reinforcement to participants

The term of this project is one year from the start up date.

Cloudburst Recycling Collection Service
P.O. Box 12106
Portland, Oregon 97212

\$17,970

Project Coordinator:
David McMahon

Waste shed: Portland Metropolitan

Estimated
Reduction:
48 to 96 tons/year

Project: Enroute Yard Debris Collection and Composting Site

This was a two-phase proposal which would provide both yard debris and plastics recycling services by a garbage hauler. After reviewing, the committee selected only the yard debris portion of the proposal to fund. This is because the yard debris services were deemed to be the more timely need and in consideration of three other proposals for plastics collection which were selected for funding in this cycle.

This portion of the project will purchase machinery and equipment to set up a weekly enroute yard debris collection service and composting site at the existing Cloudburst Recycling Center in northeast Portland. A chipper and front-load containers will be purchased and a route established for yard debris pick up services allowing for chipping and shredding of materials to compact into containers for transport or leave at the property when chipping is completed. The existing site will be prepared to permit a small-scale processing and storage operation which would produce an "eco mulch" product for resale as a soil enhancer or ground cover.

Six cubic yard metal containers with forklift pockets will be used for composting the ground material. A minimum temperature of 140° will be reached prior to "turning" the materials to mix and re-aerate them, which will be done frequently to accelerate decomposition. A one to two month "curing" period will be utilized, depending on incoming volumes.

The operator proposes to target only their present customer base and provide weekly service for a fee. The geographic area of this project would include portions of the northeast Portland and Willamette Heights, and sections of the Corbett-Terwilliger/Johns Landing areas of Portland. The funds from this grant will provide the up front capital to launch the program; initial start up costs are included in the project amount, however, ongoing costs will be covered by fees charged to customers provided the service. The operator can increase material flow and reduce collection fees as the program becomes more self-sustaining through increased use by customers. The estimated useful life of the equipment and machinery is ten years.

While the volume reduction for this project is not high, it achieves the objective of recycling yard debris and providing more processing capacity to the region. At the same time, it focuses on market development as the compost material is promoted for use by Cloudburst customers. The project includes plans for providing promotional

materials to customers regarding the service and product. As markets improve and other future developments occur, this project could be expanded to serve as a drop-off center both for drop box service and the general public. This expanded function, however, is not included in the proposed project.

The term of the project is one year from the start up date.

Grimm's Fuel Company
1631 S. Shore Blvd.
Lake Oswego, Oregon 97005

\$38,500

Project Coordinators:
Rod and Jeff Grimm

Waste shed: Clackamas and Washington
Counties

Estimated
Reduction: 17,411 tons

Project: Yard Debris Product Development

This project will develop two new products using composted yard debris: 1) Hydro mulch for use in new highway, park, and lawn plantings and 2) a special ground product for use by the ornamental plant industry in soilless container mixes.

The existing processing center located in Sherwood will be used as the site for production. The grant funds will be used to purchase special grinding equipment and loading and feed machines to process the materials. Special equipment adaption will be done along with site preparation, including installation of concrete slabs and building construction as part of the project. The useful life of the equipment is estimated to be more than five years.

This project achieves a high volume of material recycling and focuses on market development. It is critical, as yard debris becomes a regularly collected principal recyclable material, not only to have increased processing capability in the region but to have new products for the market place as well. The proposer operates a well established business in nursery product supply and has designed these two products in response to customer requests. There is a popular demand particularly for the soilless mix product, however, the proposer has lacked the capital to implement it.

The term of this project is one year from the start up date.

The Plastics Partnership
1211 S.W. Fifth Avenue
Portland, Oregon 97204

\$60,000

Project Coordinators:
Peter Dorn and
Kathy Cancilla

Waste shed: Portland Metropolitan

Estimated
Reduction:
30,000 20-gallon bags
(weight unknown)

Project: Residential Enroute Collection of Plastics for Recycling

This project originally requested \$167,000 for services to be provided to 12,000 residences by the end of one year. The committee scaled the project back to \$60,000 and 3,000 residences for the year.

Five partners have joined in a cooperative effort to begin a residential curbside collection program for targeted areas in the 97202 zip code (inner southeast, Moreland area) of Portland. The partners are Portland Waste Associates, an area hauler and recycler serving 30,000 residences; Wastech, a local operator of transfer stations and recycling centers; Partek, a plastics recycling firm in Vancouver, WA; Computations, a business consulting service to recyclers; and the Rockey Company, a marketing communications firm serving northwest clients.

The hauler/recycler will distribute two "BAGIT" bags to customers and provide monthly curbside pick up to 3,000 households in inner Southeast Portland. The bags will be picked up and delivered to Oregon Processing and Recovery Center (OPRC) for cleaning, sorting, compaction, and delivery to Partek for recycling into plastic resin. Partek is an expanding company that is actively searching for guaranteed volumes of plastic to recycle for resale to customers who require volume guarantees.

The recycling consulting firm and the advertising firm will be responsible for working with the hauler to set up selected routes for collection and dispersal of educational/instructional materials.

Because of the reduction in the project dollars, a revised proposal will be developed with the proposer. However, the basic project objectives will be to provide curbside plastics recycling services to 3,000 homes by the third month of the project.

The term of the project is one year from the start up date.

PRRO'S Recycling
P.O. Box 66398
Portland, Oregon 97266

\$29,730

Project Coordinator:
Gaylen Kiltow

Waste shed: Portland Metropolitan

Estimated
Reduction: 11 tons

Project: Recycling Collection Bins at Multi-family Apartments

This project is a cooperative effort of 18 local collection and recycling companies to provide recycling services at 50 apartment complexes in North, Northeast and Southeast Portland and East Multnomah County. The proposal originally requested \$32,900 and targeted 60 apartment complexes; the committee reduced the project by \$3160, thus the number of complexes will be reduced.

This grant will provide funds to purchase compartmentalized recycling containers for deposit of source separated materials by apartment unit residents at complexes selected by servicing haulers. In general, haulers will begin with managers who have previously expressed interest in this service. The objective is to work with apartment unit managers to design an easy-to-use system for accumulating recyclables on site at locations convenient to tenants.

Apartment complexes numbering eight units or larger will be selected. Containers will generally be located in parking lot areas close to existing garbage dumpsters. The compartmentalized containers will be designed to receive clear, green and brown glass and tin. An additional box will be sited to collect newspaper and instructions will be available for preparing bundled cardboard for collection.

Promotion and Education will be conducted at three-month intervals distributing fliers and pamphlets to residents and providing one-on-one training to managers as required.

This project achieves an important waste reduction objective by targeting apartments for monthly recycling services. While Metro is beginning a program for Portland, Lake Oswego and Beaverton for recycling in apartment complexes, this program was deemed appropriate because it will be implemented immediately and add to the results. We are working with City of Portland staff to ensure that these areas are not duplicated in the program that is implemented in the Portland Metropolitan waste shed.

In general, apartment dwellers have been inactive in household recycling programs. Limited space, convenience and proximity have been contributing factors, however the ability to provide receptacles, locating willing apartment managers, and provision of regular collection have also been historic barriers. Providing funds to initiate programs that target apartments for recycling programs is critical to Metro's success in achieving the recycling goals.

The term of this project is one year from the start up date.

Sunflower Recycling Cooperative, Inc.
2345 S.E. Gladstone
Portland, Oregon 97202

Project Coordinator:
Stan Kahn

Waste shed: Portland Metropolitan

Two proposals were submitted by this proposer and both were selected for funding.

Project #1: Mixed Plastics Drop-off Center

\$18,500

Estimated
Reduction: 68 tons

This proposal will pay for purchase and installation of equipment and machinery to receive and grind plastics for recycling. The proposer will accept mixed plastics from the public at their existing site in inner Southeast Portland. Containers would be set up on site to sort the different types of resin. Sorting would be done by customers and aided by clearly marked containers with examples of the plastics attached to the side of the containers. A plastic granulator would grind the plastics collected in this manner at a rate of about 300 pounds per hour. In general, four types of plastic will be received: HDPE (High density Polyethylene), colored HDPE, polypropylene, and polystyrene foam. The materials will be received daily during business hours, ground and bagged, and then delivered to a plastics recycler for processing.

The full cost of implementing the program is estimated to be \$38,900. The balance will be covered by the operator in in-kind and direct costs, offset by sale of materials to recyclers. The useful life of the equipment is about ten years.

Promotion and education will be accomplished via fliers distributed with billings to customers, signage on and near the site, and referrals from Metro's Recycling Information Center.

The term of this project is one year from the start up date; about three months is required to order and install equipment.

Project #2: Yard Debris Transfer Station

\$25,000

Estimated
Reduction: 360 tons

This proposal will establish a small-scale yard debris transfer station adjacent to the Sunflower Recycling Center in inner southeast Portland. The facility would be located on vacant adjacent property available for lease. Funds would be used to purchase equipment and machinery to compact the materials into containers for delivery to a yard debris processor for recycling into compost.

Customers would be charged a fee to drop off yard debris at the transfer station. Two 20 cubic yard rear loading compactors would be operated to compact the materials for transport. The facility would be open daily and weekends and staffed from 9 to 5 p.m. and until 8 p.m. during summer months. The facility would be open to receive material from both residential and commercial.

The full cost of implementing the program for one year is estimated to be \$36,500. The balance will be covered by the operator in revenues collected from gate fees to receive the yard debris materials. The useful life of the equipment is about ten years.

The term of this project is one year from start up date.

The virtue of these two proposals is the expansion of an existing one-stop, all materials recycling depot to receive materials popularly requested to be recycled but which the operator is not currently equipped to handle. With yard debris now a principal recyclable material, the transfer station will provide a convenient geographic location in an area presently not served, thus avoiding long hauls of small loads to distant processors. Likewise, the plastics project will provide a convenient drop-off site for plastics for which there has been a high demand by the public. Additionally, the proposer expects the 1% funds to serve as start up funds for capital costs and will cover operational costs from gate fees and resale of materials to continue the programs on an ongoing basis. It is hoped that eventually the plastics project could be expanded to include curbside collection, however, that is not a feature of this proposal.

City of West Linn
Recycling Program
2042 8th Avenue
West Linn, Oregon 98068

\$ 7,300

Project Coordinator:
Ed Druback

Waste shed: West Linn

Estimated
Reduction: 187 tons
(1,872 cubic yards)

Project: On-call Trailers for Yard Debris Haul

This project would provide six trailers for use by West Linn residents to haul material to the City owned and operated yard debris drop off center. Trailers would be available on an on-call basis for residents to transport yard debris to a processing center for composting. City crews will deliver the trailers to residents reserving them for use. These are intended to provide service to dwellers who do not have the means to self-haul their debris to a processing facility and do not compost at home. Thus, their yard debris has been going to the landfills. The trailers may be delivered filled with compost if requested by the resident. Once filled with yard debris they will be returned to the drop-off center to be available for reuse.

The funds will be used to purchase two sizes of trailers: three with 2.5 cubic yard capacity and three with 3.5 cubic yard capacity. An educational program will be included utilizing fliers and instruction booklets. Staff time, also part of the request, is estimated to be about 73 hours.

The objective of this program is to provide start up monies for a service that, if successful, will be offered continuously by the City of West Linn. Residents will be charged a drop off fee and disposal fee equivalent to what is charged at the processing center. The fees are less costly than disposal pickup, so should therefore encourage more participation in composting of yard debris.

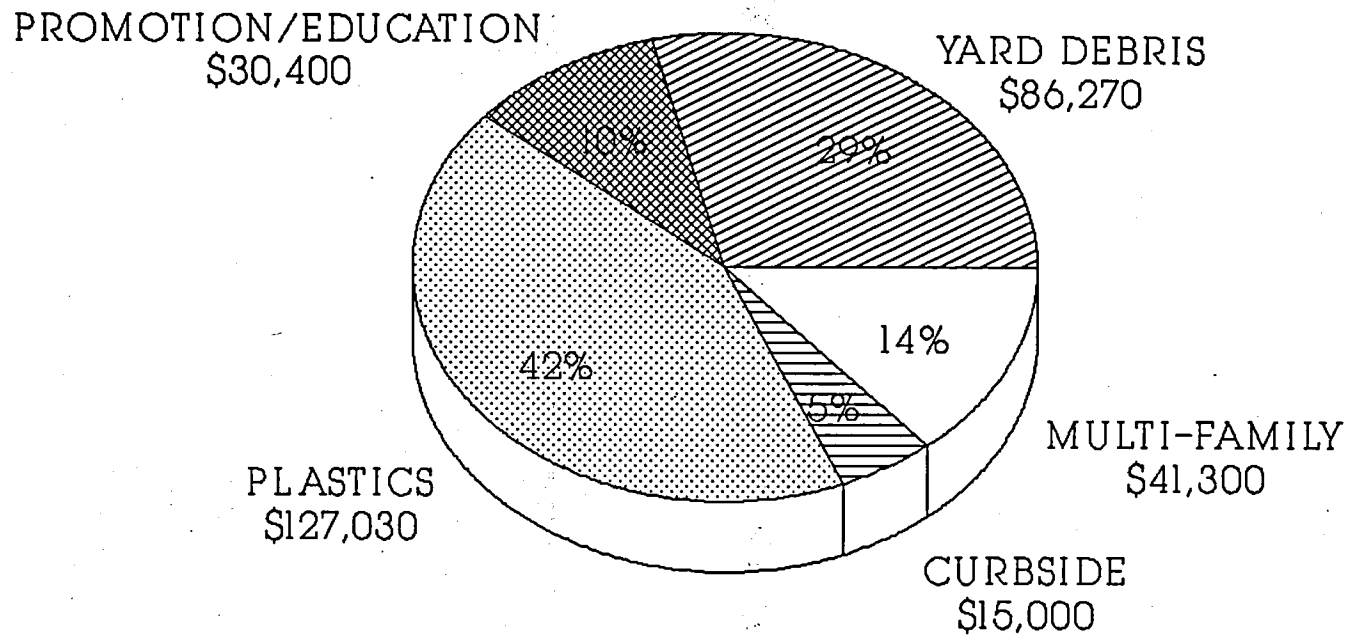
An equally important feature of this project is that it contributes to market development by expanding supply to a well established processing facility which presently sells and/or uses all materials currently available to the site. There is, in fact, a back order of compost requests on file with the City Solid Waste Department.

The term of this project is one year from start up date, inclusive of three months to order and prepare trailers.

1% WELL SPENT!

ACTUAL FY 1988-89 DISTRIBUTION

\$300,000



PROPOSAL BY TYPE

COMMITTEE REPORT

RESOLUTION NO. 89-1117, FOR THE PURPOSE OF APPROVING PROJECTS AND PROGRAMS FOR THE ONE PERCENT FOR RECYCLING PROGRAM

Date: July 12, 1989

Presented by: Councilor Wyers

Committee Recommendation: The Solid Waste Committee voted 4 to 0 to recommend Council adoption of Resolution No. 89-1117. Councilors voting: Councilors Hansen, Buchanan, Ragsdale and Wyers. Committee members absent: None (one vacancy currently exists). This action taken July 11, 1989.

Committee Discussion/Issues: The members of the One Percent for Recycling Advisory Committee presented a summary of each of the 12 projects that the Advisory Committee has recommended for funding during FY 1989-90.

The Solid Waste Committee commented regarding the high quality of the proposals and the expertise of the proposers. The Committee also stated that the Advisory Committee had done an excellent job of evaluating the proposals and recommending to Council the projects to be funded.

It was pointed out that the 12 recommended projects would be funded from the \$300,000 that was carried over from FY 1988-89 for the One Percent for Recycling Program. Additional recycling projects can be selected and funded later in the year from the additional \$400,000 budgeted for FY 1989-90.

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