



METROPOLITAN SERVICE DISTRICT

6400 S.W. CANYON COURT PORTLAND, OREGON 97221 (503) 297-3726

BOARD OF DIRECTORS

PORTLAND WATER BUREAU
1800 SW 6TH AVE.
AUDITORIUM

JULY 26, 1974
2:00 P.M.

A G E N D A

- I. MINUTES
- II. AUTHORIZATION OF ACCOUNTS PAYABLE
- III. MSD DIRECTION COMMITTEE REPORT
- IV. MSD/CRAG CONTRACT
- V. SECOND PUBLIC HEARING - ORDINANCE NO. 15
Establishing procedure to be followed by the MSD in holding meetings and acting on ordinances
- VI. EMERGENCY ORDINANCE NO. 16
An ordinance approving DEQ Grant Offer of up to \$274,175 for project SWP 111 commencing July 1, 1974; authorizing the Chairman to sign the Grant Offer for the MSD and declaring an emergency
- VII. TIRE PROCESSING CENTER AND TIRE CARRIER PERMITS AUTHORIZATION APPROVAL
- VIII. JOHNSON CREEK DRAINAGE PROGRAM
- IX. OTHER BUSINESS



JULY 26, 1974

TO: MSD BOARD OF DIRECTORS
FROM: MSD STAFF
SUBJECT: STAFF REPORT FOR JULY 26, 1974

Presented to the Board for transmittal and recommended action are the following items:

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| 1 | I. MINUTES
Action - <u>Approval</u> |
| 8 | II. AUTHORIZATION OF ACCOUNTS PAYABLE
Action - <u>Approval</u> |
| 9 | III. MSD DIRECTION COMMITTEE REPORT
Action - <u>Approval</u> |
| 10 | IV. MSD/CRAG CONTRACT
Action - <u>Hold</u> insufficient information |
| 11 | V. SECOND PUBLIC HEARING - ORDINANCE NO. 15
Establishing procedure for the MSD in holding meetings and acting on ordinances.
Action - Assuming no additional information -
<u>Adopt</u> ordinance. |

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- 21 VI. EMERGENCY ORDINANCE NO. 16
An ordinance approving the DEQ Grant Offer of up to \$274,175 for project SWP111 commencing July 1, 1974; authorizing the Chairman to sign the Grant Offer for the MSD and declaring an emergency.
Action - Adopt ordinance with unanimous vote
- 26 VII. TIRE PROCESSING CENTER AND TIRE CARRIER PERMITS AUTHORIZATION APPROVAL
Action - Approve the report regarding authorizing the Scrap Tire Processing Center and Scrap Tire Carrier Permits.
- 34 VIII. JOHNSON CREEK DRAINAGE PROGRAM
Action - Approve the staff report
- 37 IX. OTHER BUSINESS
- A. Site selection for the North Portland Road Station, COR-MET
Action - Approve North Portland Road Station site No. 2 for preparation of EIA
- B. City of Portland Cost Estimate, COR-MET
Action - Accept COR-MET report and authorize staff to transmit to the City of Portland.
- C. Request for Funding Estimate
Action - Accept staff report and authorize seeking manufacturing industry input by distributing request.

I. MINUTES

The following pages contain minutes and public hearing testimony for the Board meeting of July 26, 1974. The staff recommends approval of the minutes.

APPROVED METROPOLITAN
SERVICE DISTRICT
BOARD OF DIRECTORS

ACTION NO. 74-177

DATE 8-9-74

BY Jean Marie Wood
CLERK OF THE BOARD

II. AUTHORIZATION OF ACCOUNTS PAYABLE

The following Accounts Payable are recommended for dispersment.

<u>CHARGE NO.</u>	<u>REQUISITION NUMBER</u>	<u>PAYMENT TO</u>	<u>AMOUNT</u>
Q101-305	49900051	Van Nuys	\$ 290.55
Q101-306	15	Enterprize Courier	6.43
Q101-306	13	Daily Journal	33.27
Q101-306	48	PSU	8.50
Q101-306	60	Outlook Publish	7.14
Q101-306	61	Daily Journal	7.68
Q101-308	76	Printshop	23.35
Q101-315	01	Andersons	74.70
Q101-315	58	Andersons	27.60
Q101-318	62	Municipal Finance	10.50
Q103-306	25	Portland Stamp	13.11
Q103-306	48	PSU	34.90
Q103-306	76	Printshop	475.00
Q201-306	61	Daily Journal	23.24
			\$1,035.97

APPROVED METROPOLITAN
SERVICE DISTRICT
BOARD OF DIRECTORS

ACTION NO. 74-164

DATE 7-26-74

BY Jean M. Wood
CLERK OF THE BOARD

III. MSD DIRECTION COMMITTEE

The staff mailed to the Board last week a summary report from the MSD Direction Committee. A complete report will be distributed at this meeting.

The staff recommends the Board approve the report and authorize distribution to interested persons.

Held over!

IV. MSD/CRAG CONTRACT

Hold over until next meeting - insufficient information.

No action.

Held over.

V. SECOND PUBLIC HEARING - ORDINANCE NO. 15

This is the second public hearing for Ordinance No. 15 that establishes procedures to be followed by the MSD Board in holding meetings and acting on ordinances. No modifications or corrections have been proposed since the first public hearing in June 1974. The staff recommends adoption of Ordinance No. 15 (see following pages).

APPROVED METROPOLITAN
SERVICE DISTRICT
BOARD OF DIRECTORS

ACTION NO. 74-168

DATE 7-26-74

BY Jean McWade
CLERK OF THE BOARD

METROPOLITAN SERVICE DISTRICT

ORDINANCE NO. 15

An ordinance establishing procedures to be followed by the Metropolitan Service District in the conduct of its official business.

ORDINANCE . N O. 15

BE IT ORDAINED BY THE GOVERNING BODY OF THE METROPOLITAN SERVICE DISTRICT:

SECTION I. Repeal

Order No. 1 of the Metropolitan Service District, Rules of Procedure Governing Proceedings pursuant to ORS 268.200(5), and the Guidelines and Policy Statement of the Metropolitan Service District are hereby repealed:

SECTION II. Board of Directors

The Governing Body of the Metropolitan Service District may hereafter be referred to as the Board of Directors of the Metropolitan Service District.

SECTION III. Election and Duties of Chairman, Vice-Chairman and Other Officers

1. The Board of Directors at the first meeting held after January 1 of each year shall elect a chairman as presiding officer to serve for a one-year period. The chairman will preside at all meetings and will have additional powers at the discretion of the Board.
2. A Vice-Chairman shall also be elected at the same time as the Chairman. During the absence of the Chairman, he will serve as, and will have, the authority of the Chairman.
3. Other officers may be elected at the discretion of the Board.

SECTION IV. Regular Meetings

1. The Board of Directors shall meet regularly on the second and fourth Friday of each month at 2:00P.M. unless otherwise specified by the Chairman at the last regular meeting.

2. Regular meetings shall be held at a place designated in the published agenda of the meeting.
3. Regular meetings may be adjourned to a specific time and place before the day of the next regular meeting. Published notice of the time and the place of an adjourned meeting is not required. Matters included on the agenda of the regular meeting that is adjourned to a later date need not be republished. New matters to be considered at the adjourned meeting shall be published in the same manner as the agenda for a regular meeting, as prescribed herein.

SECTION V. Agenda and Public Notices

An agenda that sets forth the time, date, and place of the meeting, that includes a brief description of the ordinances to be considered, and that states that copies of ordinances are available at the office of the Metropolitan Service District shall be published in a newspaper of general circulation within the District not more than ten nor less than four days before a regular meeting of the Board of Directors. If an executive session only will be held pursuant to this Ordinance, then notice shall be given to the members of the Board of Directors and to the general public stating the specific provision of the law authorizing the executive session.

SECTION VI. Special Meetings

The Chairman of majority of the Board of Directors may call a special meeting on 48 hours written notice to the Directors. The agenda shall be limited to the purposes for which the meeting is called. Except for the provisions of this section, special meetings are subject to the same rules as regular meetings. At least 24 hours notice shall be given to the general public. If possible, the agenda and time and place of meeting should be published in a newspaper of general circulation in the District. If publication is not possible, the provisions

for notifying the public of emergency meetings in Section VII should be followed.

SECTION VII. Emergency Meetings

If an emergency exists the chairman or majority of the Board of Directors may call an emergency meeting by telephone or written notice to the Directors. The agenda for emergency meetings shall be limited to the purposes for which the meeting is called. To the extent possible, telephone call and press releases to the press and interested persons shall be made to give public notice of the agenda and time and place of the emergency meeting.

SECTION VIII. Ordinances

1. The legislative action of the Metropolitan Service District Board of Directors shall be by ordinance.
2. Except as provided in sub-section 4 of this section, before an ordinance is adopted it shall be read during two regular meetings of the Board of Directors on two different days at least six days apart. The reading shall be full and distinct unless at the meeting:
 - (a) A copy of the proposed ordinance is available for each person who desires a copy; and
 - (b) The Board of Directors directs by motion that the reading be by title only.
3. Except as provided by sub-section 4 of this section, the affirmative vote of a majority of the members of the Board of Directors is required to adopt an ordinance and the vote of each Director shall be recorded.
4. An ordinance to meet an emergency may be introduced, read once and put on its final passage at a regular or special meeting of the Board of Directors, without being described in a published agenda, if the reasons requiring immediate action are described in the ordinance. The unanimous approval of all members of the Board of Directors at the meeting, a quorum being present, is required to adopt an emergency ordinance.

SECTION IX. Filing of Ordinances

1. Within seven days after adoption of an ordinance, the enrolled ordinance shall be:
 - (a) Signed by the Chairman of the Board of Directors;
 - (b) Attested by the person who served as recording secretary of the Board of Directors at the session at which the Board of Directors adopted the ordinance; and
 - (c) Filed in the records of the District.
2. A certified copy of each ordinance shall be filed with the Division of Courts Process of Multnomah County, available for public inspection.
3. Within 15 days after adoption of an emergency ordinance notice of adoption of the ordinance shall be published in a newspaper of general circulation within the Metropolitan Service District. The notice shall:
 - (a) Briefly describe the ordinance;
 - (b) State the date when the Ordinance was adopted and the effective date of the Ordinance; and
 - (c) State that a copy is on file at the office of the Metropolitan Service District and at the office of the Division of Courts Process of Multnomah County, available for public inspection.

SECTION X. Effective Date of Ordinances

1. Except as provided by sub-section 2 of this section an ordinance shall take effect the 30th day after it is adopted, unless a later date is described in the ordinance. If an ordinance is referred to the voters of the Metropolitan Service District, it shall not take effect until approved by a majority of those voting on the ordinance.
2. An emergency ordinance may take effect upon adoption.

SECTION XI. Resolutions

1. All matters other than legislation coming before the Board of Directors and requiring Board action shall be handled by resolution.
2. Resolutions shall be by voice vote unless a Director requests a roll call vote and the recording of the vote of each Director.
3. The affirmative vote of a majority of the Directors present and voting, a quorum being present, is required to adopt a resolution:
4. The Board may require a public hearing on any resolution prior to taking action thereon.

SECTION XII. Petition to Adopt, Amend or Repeal Ordinance or Resolution

Any interested person who is a voter or landowner within the Metropolitan Service District may petition the Board of Directors to adopt, amend or repeal an ordinance or resolution. Any such person may appear at any regular meeting of the Board and shall be given a reasonable opportunity to be heard.

SECTION XIII. Meetings

1. A quorum for transacting official business shall consist of a majority of the Board's membership.
2. (A) Minutes of each meeting shall be prepared recording:
 - (1) All members of the Board of Directors present;
 - (2) All motions, proposals, resolutions, ordinances and other measures proposed and their dispositions;
 - (3) The results of all votes, and upon request of one member, by name;
 - (4) The substance of any discussion on any matter.(B) Minutes of executive sessions may be limited to material the disclosure of which is not inconsistent with 1973 ORS 192.660.

- (C) A book of minutes shall be maintained as a permanent record of the actions of the Board of Directors.
3. The meetings shall be conducted according to Roberts Rules of Order.

SECTION XIV. Meetings Open to the Public

1. All meetings of the Board of Directors shall be open to the public unless an executive session is called pursuant to this section.
2. The Board of Directors may hold executive session during any meeting of the Board after the Chairman has identified the authorization for the executive session under Chapter 172, Oregon Laws 1973. Executive session may be held under this sub-section only:
 - (a) To consider the employment of an officer, employee, staff member or individual agent, or other personnel matters of the Metropolitan Service District.
 - (b) To consider the dismissal or disciplining of, or to hear complaints or charges brought against an officer employee, staff member or individual agent of the Metropolitan Service District, unless such officer, employee, staff member, or individual agent requests an open hearing.
3. The Board of Directors may hold executive session during any meeting of the Board upon a two-thirds vote of the members of the Board and after identification by the Chairman of the authorization under 1973 ORS 192.660 for the executive session. Executive session may beheld under this sub-section only:
 - (a) To conduct deliberation concerning the authority of persons designated by the Board of Directors to carry on labor negotiations or to negotiate the purchase of real property.
 - (b) To consider records that are exempt by law from public inspection.

4. Representatives of the news media shall be allowed to attend executive sessions under such conditions governing the disclosure of information as may be agreed to by the Board of Directors and the representatives of the news media prior to the executive session.
5. No executive session may be held for the purpose of taking any final action or making any final decision.

Date of Adoption

Chairman

Vice- Chairman

VI. EMERGENCY ORDINANCE NO. 16

This ordinance approves the DEQ Grant Offer of extending SWP 111 project up to \$274,175 beginning July 1, 1974. The following pages contain the Ordinance No. 16 and proposed grant offer.

APPROVED METROPOLITAN
SERVICE DISTRICT
BOARD OF DIRECTORS
ACTION NO. 74-170
DATE 7-26-74
BY *Jean M. Warden*
CLERK OF THE BOARD

O R D I N A N C E N O. 16

An Ordinance approving the DEQ Grant Offer of up to \$274,175 for the continuation of Project No. SWP 111, commencing July 1, 1974; authorizing the Chairman to sign the Grant Offer for the MSD; and declaring an emergency.

THE METROPOLITAN SERVICE DISTRICT ORDAINS:

SECTION 1: The Board approves the Planning Grant Offer to the MSD from the Department of Environmental Quality for the State of Oregon for the continuation of Project No. SWP 111, beginning July 1, 1974 and ending on June 30, 1975, said grant in an amount up to \$274,175. A copy of the Grant Offer is attached and made a part of this ordinance.

SECTION 2: The Board authorizes the Chairman to sign after review by legal counsel the acceptance of the Planning Grant Offer described in SECTION 1 and any other documents necessary for the timely commencement of the project.

SECTION 3: For the project described in SECTION 1 to begin on schedule, the immediate passage of this ordinance is necessary, and an emergency is declared to exist. This ordinance takes effect upon passage.

July 26, 1974

Robert Schumacher, Chairman
Board of Directors

James Robnett, Vice Chairman
Board of Directors

DEPARTMENT OF ENVIRONMENTAL QUALITY
1234 S. W. Morrison Street
Portland, Oregon 97205

PLANNING GRANT OFFER AND ACCEPTANCE
(Pursuant to ORS 468.220)

Project No. (SWP 111)
Accounting Data ()

SECTION I OFFER

A. Legal Name and Address of Applicant

METROPOLITAN SERVICE DISTRICT (hereinafter called "MSD")
Robert Schumacher, Chairman
6400 S. W. Canyon Court
Portland, Oregon 97221

B. Project Financing Under Terms of This Offer

Total estimated project cost (up to \$274,175)

Revised grant offered for planning period (up to \$274,175 including
the \$81,667 previously
granted on SWP 111)


The Director, Department of Environmental Quality, (hereinafter called "DEQ") acting in behalf of the Environmental Quality Commission, pursuant to ORS 468.220 hereby offers to MSD a revised supplemental grant for the above referenced project to further assist DEQ in the preparation of the Statewide Solid Waste Management Implementation Plan as described in MSD's "Phase II" application to DEQ dated October 26, 1973, and as amended to conform with the amount of up to \$274,175 including \$81,667 of the original grant and the July 1, 1975 project completion date of this offer; provided the Director receives from MSD the assurances in Section II hereof and the completed Section VI hereof; and provided the acceptance is made within 14 days of receipt of this offer; and subject to the conditions and covenants in Section I, Section III, Section IV and Section V hereof. It is a condition of this grant offer that the amount of this revised grant be deducted from the amount of any grant authorized hereafter to MSD pursuant to ORS 468.220 (1)(d). (To be included in the total project cost and 30 percent grant limit.) If MSD shall fail to comply with any of the requirements hereof, DEQ may, in its sole discretion and without incurring any liability therefor, refuse to further perform under this Planning Grant Offer and Acceptance, except that DEQ shall nevertheless make further disbursement to MSD necessary to pay for services accrued but not paid prior to the date of such refusal and, in case of such refusal, MSD, upon demand by DEQ, shall promptly repay to DEQ any unobligated grant funds previously disbursed to MSD by DEQ.

The commencement date of the project shall be January 15, 1974.

The completion date of the project shall be July 1, 1975.

For the State of Oregon, Environmental Quality Commission.

KESSLER R. CANNON
Director



Date

SECTION II ASSURANCES

DEFINITIONS

Director - Director of DEQ

Project - The MSD's solid waste planning and implementation project contained in MSD's amended "Phase II" application for State Solid Waste Management Grant Planning funds as approved by the Director.

1. That the total funds granted hereby shall be expended only for carrying out directly MSD's planning project as approved by the Director. That the supported work shall be over and above MSD's normal responsibility and operating program.
2. That the plan will be consistent with any applicable solid waste management standards established pursuant to current law and will recommend means for their maintenance and improvement.
3. That MSD will make such reports, in such form and containing such information, as the Director may reasonably require, including mid-project reports of progress and expenditures.
4. That the offer and acceptance of this grant is conditioned by all provisions of DEQ program requirements, the applicant's approved application, applicable statutes and rules and ORS 468.220.
5. That adequate accounting and fiscal records will be maintained which fully disclose the amount, receipt, and disposition of the grant assistance provided, the total cost of the project in connection with which the grant has been offered, and the amount and identification of that portion of the costs of the project supplied from other sources.
6. That approval of DEQ shall be obtained by MSD for MSD's third party agreements for services in order for payments for such services to be a part or all of the eligible costs of this planning project.
7. That MSD agrees to include in all of MSD's subcontracts hereunder a provision to the effect that the subcontractor agrees that the Attorney General of the State of Oregon and the Director or any of their duly authorized representatives, shall, until the expiration of three years after final payment under the subcontract, have access to and the right to examine any direct pertinent books, documents, papers, and records of such subcontractor involving transactions related to the subcontract. The term "subcontractor" as used in this clause excludes a public utility providing services at rates established for uniform applicability to the general public.

SECTION III SPECIAL CONDITIONS

The following Special Conditions represent those tasks, not necessarily contained in the MSD Grant Application, that DEQ requests be integrated into MSD's project. MSD shall perform the following tasks by the time(s) indicated, unless modification of task(s) and/or performance date(s) is requested in writing by MSD with reasons stated, and such requests are approved in writing by the Director.

1. MSD shall seek resolutions of Solid Waste Management Planning endorsement and agreement from Clackamas, Multnomah, and Washington counties and the City of Portland. Those resolutions obtained shall accompany the Final Report on Project SWP #111.
2. Concurrently with Project SWP #111 planning, MSD shall seek approval of the Final Plan Report on Project SWP #110 from the major local governmental units involved with the Final Plan and proceed with formal adoption procedures after such approval is obtained.
3. This offer and "Phase II" project discussed herein shall be considered a continuation of Project SWP #110, but all communications, accounting records, and reports shall be separated under the heading of Project SWP #111.
4. Investigative work on any proposed disposal sites shall be done following Department concurrence on a site-by-site basis of the need for, type of, and methods to be utilized in such work.
5. The MSD shall submit to the Department interim project status reports. Such reports shall include the accomplishments of the report period, the financial standing of the project at the end of the report period, and a projection of needed accomplishments for the ensuing period. Reports shall be submitted with the requests for grant funds advance concurrently with the payment schedule as specified in Section V herein.
6. The MSD shall assist the DEQ in any presentation(s) before the 1975 session of the State Legislature on the MSD Solid Waste Management Plan and Implementation Schedule as requested by the State Emergency Board.
7. A Final Report covering the activities and expenditures of SWP #111 shall be submitted to the Department by July 15, 1975.

SECTION IV GENERAL COVENANTS AND CONDITIONS

1. Should litigation develop between the parties, the prevailing party shall be entitled attorney's fees and costs from the other party.
2. It is agreed that time is of the essence in this agreement.

SECTION V GRANT DISBURSEMENT SCHEDULE

MSD shall submit to DEQ an itemized Task Expenditure Report and Payment Request prior to each of the following scheduled grant disbursement dates and DEQ shall make grant disbursements according to such schedule while MSD is in compliance with the Planning Grant Offer and Acceptance:

January 30, 1974	\$40,000
April 1, 1974	up to \$73,000 including prior disbursements
August 1, 1974	up to 140,000 including prior disbursements
October 15, 1974	up to 205,000 including prior disbursements
January 15, 1974	up to 246,555 including prior disbursements
July 15, 1974	up to 274,175 including prior disbursements

SECTION VI ACCEPTANCE

On behalf of MSD, I the undersigned, being duly authorized to take such action, do hereby accept this offer and make the assurances and accept the conditions contained in Sections I through V of this Grant Offer and Acceptance.

Date

Signature

VII. TIRE PROCESSING CENTER AND TIRE CARRIER PERMITS AUTHORIZATION APPROVAL

The following is a staff report concerning permits for scrap tire carriers and scrap tire processing centers. It is the staff's recommendation that the following be approved by the Board:

1. Authorize granting individual scrap tire carrier permits to those indicated in Table 1.
2. Authorize granting temporary 60-day general scrap tire carrier permits for the purpose of transporting scrap tires in designated service areas to those applicants indicated in Table 2.
3. Authorize granting a five-year permit for an individual scrap tire processing center to Firestone Tire Company, Retread Division.
4. Authorize granting a five-year permit for a general scrap tire processing center to Metropolitan Disposal Corporation to operate a facility located at the Rossman Landfill in Oregon City.
5. Authorize Charles C. Kemper, Program Manager, to sign permits for scrap tire carrier and scrap tire processing centers as directed by the MSD Board.
6. Approve the revised "Procedure for Evaluating Tire Carrier Application" indicated in Table 3.

AMENDMENT: Items 1 through 4 be set for public hearing.

APPROVED METROPOLITAN
SERVICE DISTRICT
BOARD OF DIRECTORS

ACTION NO. 74-171

DATE 7-26-74

- 26 - BY Jean Wood
CLERK OF THE BOARD



July 26, 1974

TO: MSD Board
FROM: MSD Staff
SUBJECT: AUTHORIZE GRANTING PERMITS FOR SCRAP TIRE CARRIERS
AND SCRAP TIRE PROCESSING CENTERS

SCRAP TIRE CARRIERS

The Solid Waste Committee has reviewed the applications for individual and general scrap tire carriers. Individual scrap tire carriers will be permitted to carry only those scrap tires generated as a normal course of his business. A general scrap tire carrier will be required to transport all scrap tires generated within designated service areas.

The Solid Waste Committee recommends approval of individual scrap tire carrier permits to those indicated in Table 1.

The Board at their last meeting directed that temporary 60-day permits be issued to qualified general scrap tire carriers. These temporary permits would enable the Tire Disposal Program to begin August 1, 1974.

The counties of Washington and Clackamas have solid waste franchises that include scrap tires. The tire carriers have formed an association to sub-contract with the refuse association in these two counties for the purpose of carrying scrap tires. This will satisfy any franchise requirements and allow the existing tire carriers to continue providing a much needed service.

Therefore, the Solid Waste Committee recommends that temporary 60-day permits to transport scrap tires in designated service areas be granted to those applicants indicated in Table 2.

SCRAP TIRE PROCESSING CENTERS

The Committee also reviewed the applications for individual and general scrap tire processing centers. Individual processing center permits will allow firms to process only those scrap tires generated as a normal course of its business. General scrap tire processing centers shall accept and process all scrap tires up to and including those with an outside diameter of 48" that are delivered to the center by tire carriers and the general public.

Firestone Tire and Rubber Company - Retread Division was the only applicant for an individual scrap tire processing center. The SWC recommends a five-year permit for an individual scrap tire processing center be granted to Firestone Tire and Rubber Company - Retread Division.

Two applications for general scrap tire processing centers were received from the Metropolitan Disposal Corporation. One for the existing facility at the Rossman Landfill in Oregon City and the other for a processing center to be located at the St. Johns Landfill. A third application was received from Larry Burright of Oregon Recycling and Disposal for a proposed processing center located in the Waybo Gravel Pit, 7800 NE Killingsworth. This application was determined incomplete.

Because the existing facility located in Oregon City meets all the MSD requirements, the Solid Waste Committee recommends granting a five-year permit to the Metropolitan Disposal

Corporation to operate a general scrap tire processing center located at the Rossman Landfill in Oregon City. Regarding the application from MDC for the St. Johns facility and Oregon Recycling and Disposal (Burrright) proposal the Solid Waste Committee made the following motion:

"It is moved to table the subject of Burrrights pending application and the MDC St. Johns application until next meeting and direct staff to proceed with developing information on unit costs, location of sites and number of total sites in the MSD area."

The staff will submit recommendations concerning the above at the August 9, 1974 Board meeting.

The staff also recommends that Charles C. Kemper, Program Manager, be authorized to sign scrap tire carrier permits and scrap tire processing permits as directed by the MSD Board.

REVISED EVALUATION PROCEDURE FOR TIRE CARRIER APPLICATION

The following Table 3 is a revised procedure for evaluating scrap tire carrier applications in the future. You will note that MSD will issue 60 day temporary permits and notify local government that a final permit will be allowed after that time period has passed. This will take the staff and Board out of the position of enforcing local regulations.

The staff recommends the MSD Board approve the revised staff procedure.

T A B L E 1
 SUMMARY OF APPLICANTS FOR
INDIVIDUAL
SCRAP TIRE CARRIER PERMITS

NAME OF FIRM	TYPE OF BUSINESS	BOND RECIEVED	NO. OF VEHICLES	PERMIT FEES PAID	SWC RECOMMENDS ISSUANCE OF PERMITS
Firestone Tire & Rubber Co. - Retread Division	Retreading	coming	3	no	yes
CTW - Inc.	Retail-Wholesale	yes	1	no	yes
Willamette Valley Service Station Supply	Sales	coming	2	yes	yes
Jim Bacon Tire Inc.	Retreading	yes	1	no	yes
General Tire Co.	Retail	yes	1	yes	yes
Tire Distributor Inc.	Retail	yes	1	yes	yes

T A B L E 2
SUMMARY OF APPLICANTS FOR
GENERAL
SCRAP TIRE CARRIER PERMITS

NAME OF FIRM	BOND RECEIVED	NO. OF VEHICLES	MEMBER OF TIRE CARRIER ASSOC.	REQUESTED SERVICE AREA	SERVICE AREA SWC RECOMMENDS AUTHORIZING TEMP. PERMIT	SWC RECOMMENDS WITHHOLDING PERMIT FOR SERVICE AREAS
Bunch Tire	coming	2	yes	2	2	-
Del's Baled Tire Disposal	coming	2	yes	1	1	-
Ore. Recycle and Disposal	coming	2	yes	1,2,3,4	1,2,3,4	-
Thurman Hawkin	yes	1	yes	1,2,3,4	1,2,3,4	-
Bill Stone	coming	3	no	1,2,3,4	2,3	1,4
Youngblood Disp.	coming	1	no	2,3	2,3	-
Junk Tire Haulers	coming	2	yes	2,3	2,3	-
Clyde Ellis	coming	1	no	1,2	2	1
Clack. Cty. Refuse Assoc.	coming	1	no	4	4	-
Oreg. Drop Box Assoc.	coming	4	no	1,2,3,4	2,3	1,4
Lucy Binger	coming	2	no	1	-	1
Mult. Cty. Refuse Assoc.	coming	14	no	3	3	-

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T A B L E 2 (cont.)

NAME OF FIRM	BOND RECEIVED	NO. OF VEHICLES	MEMBER OF TIRE CARRIER ASSOC.	REQUESTED SERVICE AREA	SERVICE AREA SWC RECOMMENDS AUTHORIZING TEMP. PERMIT	SWC RECOMMENDS WITHHOLDING PERMIT FOR SERVICE AREAS
Tire Disposal Inc.	coming	4	yes	1,2,3,4	1,2,3,4	-
Washington Cty. Refuse Assoc.	coming		no	1	1	-

T A B L E 3

PROCEDURES FOR EVALUATING SCRAP TIRE CARRIER APPLICATIONS

1. Receive applications.
2. Attorney to review penal bond.
3. Review applicant's requested service areas for conflicts with other franchises, or contract agreements.
4. Review applicant's past performance as a tire carrier.
 - . Local governments
 - . DEQ
 - . Others
5. Verify with P.U.C. if application is for general scrap tire carrier.
6. Staff makes recommendations to Solid Waste Committee.
7. Solid Waste Committee recommends to MSD Board.
8. MSD Board authorizes 60-day temporary permits to qualified scrap tire carriers.
9. Send list of temporary permittees to local jurisdictions within respective service areas for their review. In addition, send list to DEQ for review and publish in local papers. Indicate that permanent permits will be issued after 60-days if no objections are received.
10. MSD Board authorizes permanent permits to qualified scrap tire carriers after 60-day review period.

VIII. JOHNSON CREEK DRAINAGE PROGRAM

At the April 26, 1974 meeting of the Metropolitan Service District, the Board authorized the staff to formally request funding of Phase I of the MSD Proposed Drainage Management Program for the Johnson Creek Basin. The funding proposal based on land areas was adopted as follows:

	<u>Area (Sq.Mi)</u>	<u>Loan (\$)</u>
Clackamas County	13.60	4,777.00
Multnomah County	29.50	10,360.00
City of Portland	6.70	2,363.00
State of Oregon (DEQ)	<u>fixed</u>	<u>7,500.00</u>
TOTAL	49.75	25,000.00

However, Multnomah County was not satisfied with the allocation of funding. Therefore, at the request of Mr. Dan Uman, Director of the Department of Environmental Services, Multnomah County, a meeting was held on July 17, 1974, to discuss the status of the various local and federal agencies with respect to Johnson Creek. The meeting was attended by representatives of Clackamas County Public Works, Gresham Public Works, Multnomah County Department of Environmental Services, Oregon State DEQ, the U.S. Army Corps of Engineers, the Soil Conservation Service, Foster Boosters, Johnson Creek Citizens Committee, CRAG and MSD.

After a discussion of the status of the various agencies concerning Johnson Creek, a reduced and revised recommendation for allocation of loans to the MSD was agreed upon. The committee generally agreed that MSD should be the sponsoring agency and that the projected budget for Phase I of the Proposed Drainage Management Program for the Johnson Creek Basin should be reduced from \$25,000 to \$17,500. It was,

further, agreed that the MSD staff could rely on staff support from the local jurisdictions to compensate for the reduction. This support would be particularly centered in the data collection process and would not be charged to MSD.

Several methods of allocating the \$17,500 among the local jurisdictions were considered. Finally, the representatives of the local jurisdictions agreed to recommend to their respective political bodies that Alternative #1 be adopted as a maximum contribution in support of the project.

**APPROVED METROPOLITAN
SERVICE DISTRICT
BOARD OF**

ALTERNATIVE #1

	<u>Jurisdiction</u>	<u>Area (Sq.Mi.)</u>	<u>Loan (\$)</u>
ACTION NO. <u>74-172</u>	Clackamas County	18.35	5,687.00
DATE <u>7-26-74</u>	Multnomah County	22.00	7,000.00
BY <u>Jean M. Wood</u>	City of Portland	6.70	2,363.00
CLERK OF THE BOARD	City of Gresham	<u>7.50</u>	<u>2,450.00</u>
	<u>TOTAL</u>	54.55	17,500.00

The Committee also recommended that state funds be requested. At this time there are three alternative sources of state funds: The Oregon Department of Transportation (drainage), the Department of Environmental Quality (water quality), and the Metropolitan Service District (drainage or water quality).

The staff recommends that Alternative #1 be adopted as the maximum figure for local participation and that resolutions be requested from the local jurisdictions supporting this proposal.

The staff further recommends that the Board authorize the staff to prepare a proposal to the State Emergency Board requesting \$5,000 in support of the Drainage Management Program. This proposal should be made with the support of DEQ and O.D.O.T. if possible. Any money secured from state funds would be proportionately distributed among the local

jurisdictions as a decrease from the maximum participation requested. Alternative #2 reflects the allocation if \$5,000 in state funds are approved.

ALTERNATIVE #2

<u>Jurisdiction</u>	<u>Area (Sq.Mi.)</u>	<u>Loan (\$)</u>
Clackamas County	18.35	4,205.00
Multnomah County	22.00	5,041.00
City of Portland	6.70	1,535.00
City of Gresham	7.50	1,719.00
MSD	-	<u>5,000.00</u>
TOTAL	54.55	17,500.00

At the July 17, 1974 meeting the Soil Conservation Service requested the MSD staff to send an official notice of its intention to locally sponsor the S.C.S. projects on Johnson Creek if determined feasible. The S.C.S. requested that the notice be sent to the State Office of the S.C.S. and the State Engineer in order to help boost the priority of the Johnson Creek reservoir study. Therefore, the staff requests authorization to respond to this request.

Finally, it should be pointed out that the CRAG staff will be investigating the feasibility of a building moratorium in the Johnson Creek Basin. The prime concern of this investigation will be the benefits and economic impacts of a moratorium on private and public entities. A report and recommendation will be submitted to the CRAG Executive Board on September 19, 1974.

APPROVED METROPOLITAN
SERVICE DISTRICT
BOARD OF DIRECTORS

ACTION NO. 74-172

DATE 7-26-74

- 36 - BY Jean W. Wood
CLERK OF THE BOARD

IX. OTHER BUSINESS

A. Site Selection, North Portland Road Station, COR-MET

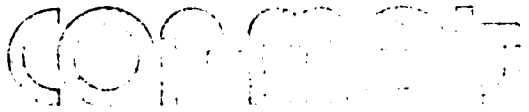
The following pages contain a report from COR-MET regarding recommendations on the North Portland Road Station site selection. The staff recommends the MSD Board approve site No. 2 for development of the Environmental Impact Assessment.

APPROVED METROPOLITAN
SERVICE DISTRICT
BOARD OF DIRECTORS

ACTION NO. 74-173

DATE 7-26-74

BY Jean M. Walker
CLERK OF THE BOARD



CORNELL, HOWLAND, HAYES & MERRYFIELD
METCALF & EDDY

200 S.W. MARKET STREET, 12TH FLOOR PORTLAND, OREGON 97201 503/224-9190

22 July 1974

Metropolitan Service District Board
6400 S.W. Canyon Court
Portland, Oregon 97221

Gentlemen:

Subject: North Portland Road Milling-
Transfer Station Site Selection

The Multnomah County Department of Environmental Services has reviewed the potential milling-transfer station sites in the North Portland Road Area. That review found Site No. 2, south of Suttle Road, the best site of those submitted, however, the question of site availability for MSD acquisition was raised. Accordingly, Multnomah County suggested that three alternative sites be explored.

COR-MET has reviewed the possibility of utilizing the suggested alternative sites and found that a milling-transfer station would not be compatible with any of the three alternative sites. In addition, the MSD right-of-way agent has contacted representatives of the owner of Site No. 2 regarding site availability. The site was initially acquired for plant expansion purposes, however, the owners currently anticipate no future expansion. The owners of Site No. 2 did indicate that MSD could consider Site No. 2 available for acquisition.

Decision Point: Does the MSD Board wish to consider Site No. 2, south of Suttle Road, as the first-priority site for the North Portland Road Milling-Transfer Station?

The environmental impact assessment work is proceeding on the East Washington County Station, the 205-North Station, and the Rossman Station. This work will be expanded to include the North Portland Road Site, upon Board approval. COR-MET is continuing

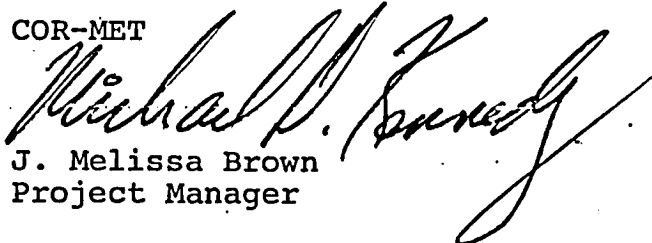


Metropolitan Service District Board
Page 2
22 July 1974

to work with the local government staffs during preparation of the environmental impact assessments. COR-MET staff remain available to assist the MSD staff at public meetings and planning agency presentations, on an on-call basis.

Sincerely,

COR-MET



J. Melissa Brown
Project Manager

By Michael D. Kennedy

pjo

B. City of Portland Cost Estimate

The MSD staff has been requested by the City of Portland to assist in developing cost data for developing a typical solid waste system for the City of Portland. These data were prepared and summarized by COR-MET for the MSD Board. The staff recommends the MSD Board accept the report and authorize transmittal of the information to the City of Portland.

AMENDMENT: Staff will present the report to the City Council with cover letter of explanation.

APPROVED METROPOLITAN
SERVICE DISTRICT
BOARD OF DIRECTORS

ACTION NO. 24-174

DATE 7-26-74

BY Jean M. Woods
CLERK OF THE BOARD

CORNELL, HOWLAND, HAYES & MERRYFIELD
METCALF & EDDY

200 S.W. MARKET STREET, 12TH FLOOR PORTLAND, OREGON 97201 503/224-9190

22 July 1974

Metropolitan Service District Board
6400 S.W. Canyon Court
Portland, Oregon 97221

Gentlemen:

Subject: Cost Estimate--City of Portland
Milling-Transfer Station

A rough cost estimate of a milling-transfer station sized to process wastes generated within the City of Portland limits only, has been completed, as requested by the MSD staff. The attached report shows: (1) an estimated total quantity of processible waste generated within the City of Portland, (2) the approximate capital cost for an appropriately sized milling-transfer facility, (3) an estimated annual operations and maintenance cost, and (4) a cost comparison between the MSD regional milling-transfer system and the City of Portland system.

Basic assumptions and exclusions made in this cost-estimate include:

- o No land acquisition costs are included.
- o No credits are taken for sale of recovered materials.
- o City of Portland facility is located at the St. Johns Disposal Site.
- o All capital costs amortized at 6% over a 10-year period, (A/P = 0.1359).
- o All costs based on the Engineering News Record Cost Index = 2035 for July, 1974.

The major findings of the analysis include:

- o The City of Portland will generate approximately 6,675 tons per week of processible refuse in 1975.
- o The total capital cost for a milling-transfer facility, sized to process City of Portland refuse only, is estimated to cost \$5,978,000.
- o The annual operation and maintenance of said facility is estimated to cost \$719,000 in the initial year of operation.
- o The annual cost to the City of Portland would be \$1,531,600, or a unit cost of \$4.40 per ton of incoming refuse.
- o The unit cost of the proposed MSD regional milling-transfer system is \$4.70 per ton of incoming refuse, about 7% higher than the City of Portland facility. The accuracy of the cost estimate for the City of Portland facility is $\pm 10\%$.

The COR-MET Solid Waste Management Action Plan determined that the total cost of collection, haul, and disposal in Multnomah County is \$28.20 per ton. Any new processing facility costs will be added to this cost to obtain a new total systems cost, as shown below:

	City of Portland System	MSD Regional System
Collection, haul, and disposal	\$28.20/ton	\$28.20/ton
Processing Cost	\$ 4.40/ton	\$ 4.70/ton
Total Cost	\$32.60/ton	\$32.90/ton
Relative Cost Index	1.0	1.01

Metropolitan Service District Board

Page 2

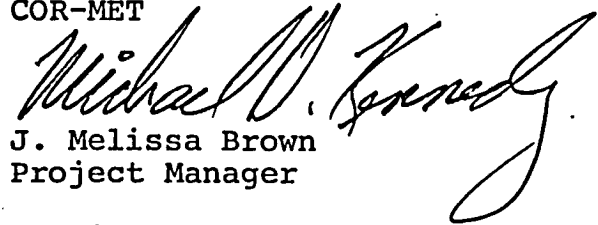
22 July 1974

The total cost for the MSD regional solid waste system is about 1% higher than the estimated cost of the City of Portland system.

We trust this rough estimate, detailed in the attached report, will meet the needs of the MSD staff. COR-MET remains available to assist the MSD staff in evaluation of these costs. These results may also be of interest to the City of Portland and COR-MET will work with representatives of the City, as directed by MSD.

Sincerely,

COR-MET



J. Melissa Brown
Project Manager

By Michael D. Kennedy

pjo
Enclosure

COST ESTIMATE

CITY OF PORTLAND MILLING-TRANSFER STATION

Objectives:

1. Determine the estimated 1975 processible refuse quantities that will be available to a milling-transfer station serving only the City of Portland.
2. Determine approximate capital costs for construction of a milling-transfer station adequate to process the refuse generated within the City of Portland.
3. Determine approximate milling-transfer station operating costs for the appropriately sized facility.
4. Analyze the comparative costs of the MSD regional solid waste system and the City of Portland facility.

Objective 1

Data:

Using the 1975 refuse quantities from each refuse generation center, as compiled during the COR-MET study, and an estimated amount of the refuse within the City of Portland for those centers cut by the City of Portland's limits; we can determine an approximated refuse quantity for the entire City.

The following table details the quantity calculations:

1975 Processible Refuse Quantity
City of Portland Only

Refuse centers 100% within City of Portland limits:

30, 32, 33, 34, 35, 38, 39, 42, 43, 45

Refuse Centers partially within City of Portland limits:

29--70%, 31--40%, 36--95%, 37--50%, 40--10%,
41--80%, 46--25%, 47--15%

Total 1975 processible refuse quantity:

6675.4 TPW

Result No. 1:

1975 processible refuse quantity,
City of Portland only:

or 6,675.4 TPW
953.6 TPD₇

Objective 2

Capital Cost Calculation:

Assumptions:

1. ENR = 2,035; July, 1974.
2. Total design quantity = 6,675 TPW.
3. Operation of the facility will be restricted to 6 days/week.
4. Facility layout will be the basic 2 mill arrangement identified in the COR-MET study.
5. Station will be equipped to air-separate milled refuse.
6. Station will be equipped to magnetically reclaim ferrous metal.
7. Effective machine capacity will be 80% of manufacturers rated capacity.
8. No land acquisition costs will be included.
9. Plant located at St. Johns landfill

Equipment Capital Costs:

Mill - 80 TPH, each	\$ 224,700
Hoppers & Conveyors, per mill	198,000
Motor and Starter, per mill	50,830
Controls, per mill	21,400
Dust Collection Equipment, per mill	64,200
Freight	15,000
Magnetic separator, each	23,500
Scales, each	32,000
Rubber tired loader, each	9,600
Air separation equipment, each	200,000
Building, 75,000 SF	\$1,875,000

Based on the proportion of building area to site area for facility layout generated during COR-MET study, total site area required is 10 acres.

Grading, paving, utilities, and other site development not associated directly with processing building -- \$2.20/SF.

Subtotal Facility Capital Cost:	\$4,548,960
Engineering @ 10%	454,900
Contingencies @ 15%	682,350
Transport Equipment	<u>292,000</u>
TOTAL	<u>\$5,978,200</u>

Result No. 2

Total capital cost for milling-transfer station adequate to process City of Portland's refuse is:

\$5,978,200

Amortized over 10 years @ 6% interest this results in a unit cost of:

(A/P = 0.1359) \$2.35/ton

Operating & Maintenance Cost Calculation

Due to the number and detail of calculations required to estimate a truly accurate O & M cost, use of cost curves developed during the COR-MET study will be made. Reference Figure 17, page 13-17, COR-MET Action Plan, Volume I.

Based on 6675 TPW and an initial operating day of 9 hours, a total of approximately 21 employees would be required to operate and maintain the facility.

Other components of O & M cost:

- Mill Maintenance
- Mill, Conveyor, and Equipment Power Costs
- Lighting Cost
- Water and Sewer Cost
- Air Separator Power & Maintenance Cost
- Compactor Maintenance Cost
- Tractor and Loader O & M
- Building and Grounds Maintenance
- Insurance
- Data Processing

Current O & M costs would be:

\$10,100/week plus transport O & M
Transport O & M = 194,000/year (based on calculations
for N. Portland Road Station
Annual O & M cost = \$719,200.

O & M unit cost - \$2.07/ton

Result No. 3:

Approximate O & M costs for proposed facility are:

\$719,200/year

SUMMARY

1. Refuse quantities from the City of Portland only are estimated to be 6,675 TPW in 1975, exclusive of all nonprocessible waste.
2. 1975 total capital cost for a milling-transfer facility to process City of Portland waste only, is estimated at \$5,978,000.
3. 1975 operations and maintenance cost for the milling-transfer station is estimated at \$719,000/year.
4. Based on 6% interest on capital investment over a 10-year period, the total annual cost to the City of Portland for O & M and capital repayment would be approximately \$1,531,600.
5. The total unit cost for facility ownership and O & M would be \$4.40/ton.

Items excluded from cost estimate:

1. No land costs are included for facility siting.
2. No transport costs for removal of products are included, as specific location of markets is unknown.
3. No credits are taken for sale of recovered material.
4. No collection costs are included.

Objective 4

Comparative Cost Analysis:

Objective: To compare the unit cost of the MSD regional program with that for a City of Portland operation only.

A. MSD regional system unit cost.

Total capital cost--including transport equipment: (table 64)*

1975 price = 13,088,400 (ENR = 2,035)

Total 1975 waste quantity--860,100 tons per year (table 60).

1975 O & M Cost = \$2,269,200 (table 64)

At 6% interest and 10 year payback period on borrowed capital, the annual capital cost is:

\$1,778,800 (A/P = 0.1359)

*All tables referenced from COR-MET, Volume I, Solid Waste Action Plan.

Total Annual Cost = \$4,048,000

1975 unit cost - \$4.70/ton

Result 4

Comparative Costs

City of Portland vs. MSD System

<u>Item</u>	<u>City of Portland System</u>	<u>MSD System</u>
1975 Processible Refuse Quantity	347,100 tons	860,100 tons
Annual Capital costs	\$812,400	\$1,778,800
Annual Operation & Maintenance Costs	\$719,000	\$2,269,200
Unit Cost (\$1/ton)	\$4.40	\$4.70
Relative Cost Index	1.0	1.07

Total System Costs

From Table 25, COR-MET Action Plan, Volume I; Unit cost of collection, haul, and disposal in Multnomah County is \$28.20/ton. The cost of operating any processing facility will be added to this cost.

Total Unit Cost--Solid Waste System

	City of Portland System	MSD Regional System
Collection, haul, & disposal	\$28.20	\$28.20
Processing Cost	\$ 4.40	\$ 4.70
Total Cost	\$32.60	32.90
Relative Cost Index	1.0	1.01

C. Request for Funding Estimate

In order to obtain additional private industry cost input for our solid waste system prior to the MSD submittal for first loan obligation to the State DEQ, the staff has prepared a request for funding estimate letter that is shown on the following pages. It should be noted that MSD is requesting cost information for a turnkey (design and construction) operation for firms with demonstrated capability in facilities of this kind. Evaluation of the information received will be performed by the MSD staff, MSD Solid Waste Committee and the MSD consultants.

The staff, pending review by legal counsel, recommends the MSD Board authorize distribution of this request.

APPROVED METROPOLITAN
SERVICE DISTRICT
BOARD OF DIRECTORS

ACTION NO. 74-175

DATE 7-26-74

BY Jean M. Wood
CLERK OF THE BOARD

Revised July 26, 1974

The Metropolitan Service District (MSD) in the Portland Area has developed a Solid Waste Management Plan that stresses Resource Recovery as a primary goal. Your firm is recognized as one of a group that has demonstrated proven capability in the area of resource recovery facilities development. The purpose of this letter is to request a funding estimate as further industry input in our planning process. The MSD will present an application to the State of Oregon for grant/loan financing of this system in the early fall. Your response as well as others will be utilized by the MSD in preparing that application.

The MSD is a legally constituted municipal corporation (ORS 268) in the greater Portland, Oregon area. Approximately 95% of the population of that area is represented by the Service District. One area of responsibility for MSD is the metropolitan aspects of solid waste disposal. The MSD in conjunction with the State of Oregon Department of Environmental Quality (DEQ) has been working for nearly 18 months to develop an areawide solution for solid waste disposal that will be compatible with DEQ goals of maximum resource recovery. This Solid Waste Plan was adopted by MSD in May 1974.

The proposed system, as outlined in Attachment 1, consists of initially four transfer/processing centers and three sanitary landfills.

This request for funding estimates is concerned with the design and construction costs of the transfer/processing centers. They will include equipment to mill (shred) both commercial and residential processible refuse transported by both collection trucks and private vehicles. In addition, the facilities will include ferrous materials and light combustible materials separation equipment and ancillary conveying equipment and structures, to include reclaimed materials handling and loading equipment.

As stated before, the MSD seeks further industry input in the form of recommendations and cost estimates utilizing your expertise.

If interested, your response should be directed to the following questions:

1. Describe your demonstrated capability to perform structural/mechanical design and construction of the transfer/processing centers.
2. Describe the type, manufacturer, and specifications of each of the system components.
3. Describe the demonstrated capability of each system component.
4. Provide the estimated cost of each of the system components and the facility total cost including design cost and contingency costs that appear adequate for the next 12 months.
5. Provide an estimate of the unit cost, in dollars per ton of processed refuse of your proposed system. This should include capital, operations, maintenance and engineering costs. List all assumptions regarding capital cost amortization.
6. Provide a construction and facility activation schedule.
7. Provide any additional information that you feel important for the purposes of this effort.

It can be assumed that the following are not included:

1. Land cost
2. Landscaping and beautification
3. Special access requirements
4. Special foundation requirements due to the physical site
5. Off-site recovered materials storage facilities

The MSD will provide to you at your request, the complete engineering and financial planning documents for \$25.00. These documents consist of three volumes.

All facilities must be in compliance with all State of Oregon financial regulations and environmental standards related to noise, air and water quality. The request for funding estimates submitted will be reviewed by the MSD staff, the MSD Solid Waste Committee and the MSD consultants. The selected estimate will be utilized as an example private industry estimate for funding purposes.

The financial plan stresses that MSD seek State of Oregon financial support for implementing this system. It must be emphasized that current state regulations require a high degree of demonstrated technical feasibility on all equipment purchases.

All information submitted becomes the property of MSD and is public information. MSD reserves the right to protect any submittals and by using any of one submittal does not imply acceptance by MSD. Should private industry participation in the MSD system be desired, any firms submitting estimates may be asked to submit detailed proposals at a later date.

Due to the MSD time schedule, if your firm chooses to respond, we would request your input by September 1, 1974.

If you have any questions direct them to either:

Mr. Gary Grimes
Oregon State Department of
Environmental Quality
1234 SW Morrison
Portland, Oregon
1-503-229-5359

or myself.

Very truly yours,

Charles C. Kemper, P.E.
Program Manager

CCK/jw
encls.

A T T A C H M E N T 1

METROPOLITAN SERVICE DISTRICT
SOLID WASTE MANAGEMENT PLAN

F A C T S H E E T

TYPE OF SYSTEM:

Transfer/Processing Stations
with milling, metals recovery and
light combustible energy recovery.

Transportation to materials
markets and landfills

Sanitary Landfills

NUMBER OF FACILITIES:

4 Transfer/Processing Stations
(initial)

2 Transfer/Processing Stations
(future)

3 Sanitary Landfills

LOCATION OF FACILITIES:

See Attached Map.

KINDS OF EQUIPMENT AT TRANSFER/
PROCESSING STATIONS:

Station Location	Initial Milling Equipment	Initial Operating Time hr/wk	Station Capacity Tons/Week
East Washington County	2 - 40 ton/hr units	80	6,400
North Portland Road	2 - 32 ton/hr units	80	5,120
205-North	2 - 32 ton/hr units	80	5,120
Rossman	2 - 40 ton/hr units	80	6,400
Southeast Portland	Future	-	-
Hillsboro-Cornelius	Future	-	-
TOTAL		320	23,040
<p><u>Magnetic Separators</u> (metals recovery) at each station</p> <p><u>Air Classification</u> (supplemental Energy source) at each station</p>			

TOTAL FACILITY COST

TRANSFER/PROCESSING STATIONS:		
Station Location	Total Facility* Capital Cost	Total O & M Cost 1977/78 **
East Washington County	\$ 2,942,000	\$ 520,000
North Portland Road	2,000,000	427,000
205-North	2,579,000	435,000
Rossman	2,363,000	415,000
TOTAL TRANSPORT SYSTEM COSTS: <ul style="list-style-type: none"> . Capital Costs: \$1,620,000** . Annual O & M Costs: 627,000** (1977/78) 		
TOTAL SANITARY LANDFILL COSTS: <ul style="list-style-type: none"> . Capital Costs: \$1,576,000** . Annual O & M Costs: 406,000** (1977/78) 		

* Excludes land acquisition costs.

** Based on 1973 costs.

FINANCING METHOD:

State of Oregon Grant/Loan from
Pollution Control Bonds or private
capital.

**TOTAL FIRST OBLIGATION
(LOAN) REQUEST:**

- . Scheduled for October 1, 1974
- . Amount \$4,000,000.
- . Proposed Work
 - Land acquisition all milling centers - Durham landfill
 - Construction East Washington milling center - Durham landfill
 - Equipment acquisition - East Washington County transport equipment; Durham landfill equipment; East Washington County milling center equipment.

**TOTAL SECOND OBLIGATION
(LOAN) REQUEST:**

- . Scheduled for October 1, 1975
- . Amount \$9,100,000
- . Proposed work
 - Construct North Portland, 205 North and Rossman Milling Centers.
 - Equipment acquisition - North Portland 205 North and Rossman transport equipment; Rossman and St. Johns Landfill equipment; North Portland, 205 North and Rossman milling centers equipment.

FINANCING SUMMARY:

Total Request (Oct. 1, 1974)	
Local Capital (70%)	\$3,419,500
Funded Interest	400,000
Other Costs	<u>180,500</u>
Total Obligation #1	4,000,000
Grant-Capital (30%)	<u>1,466,000</u>
Total Request	\$5,466,000

Total Request (Oct. 1, 1975)	
Local Capital (70%)	\$7,721,700
Funded Interest	910,000
Other Costs	<u>468,300</u>
Total Obligation #2	\$9,100,000
Grant-Capital (30%)	<u>3,309,300</u>
Total Request	\$12,409,300

COST TO THE PUBLIC:

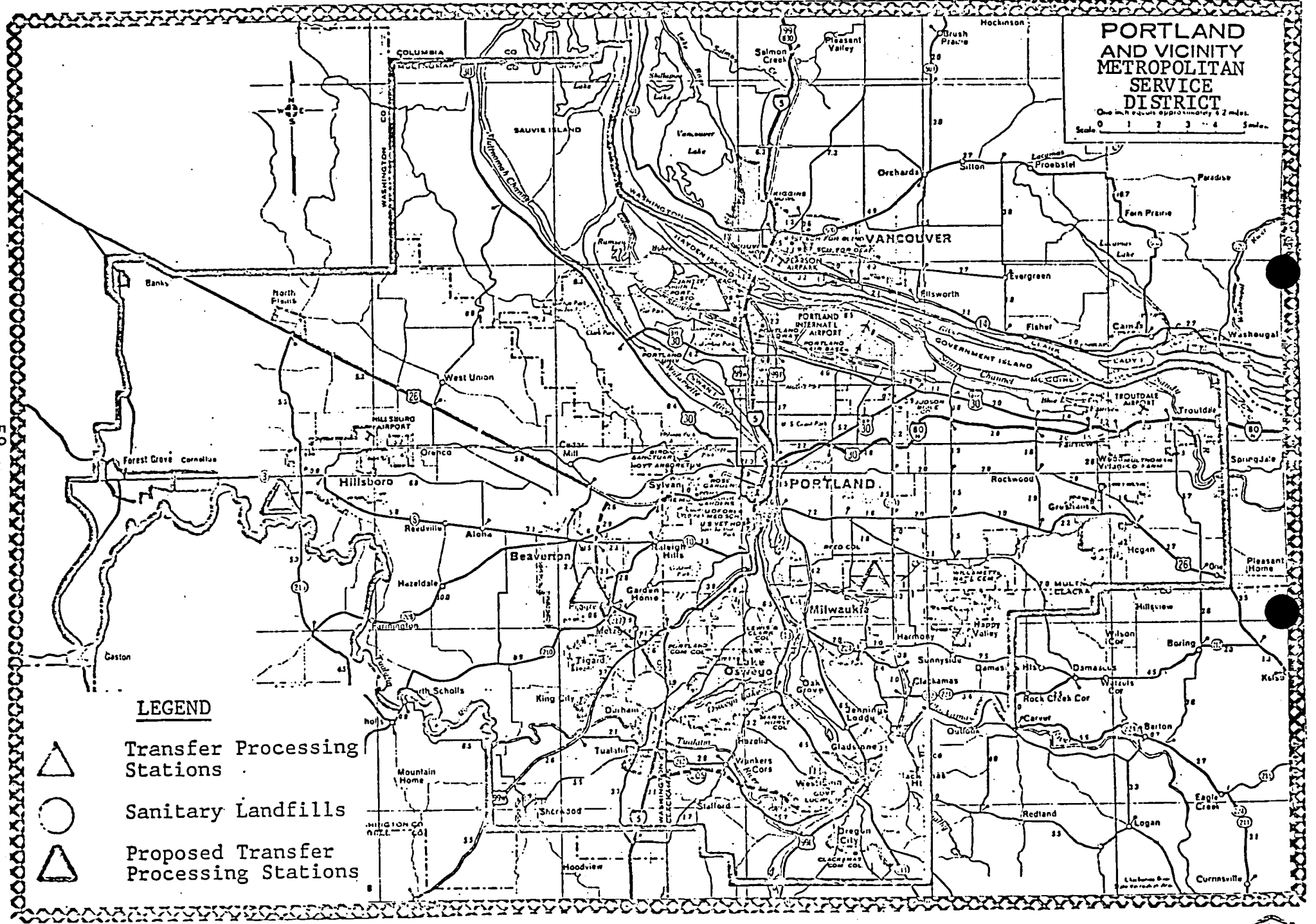
	Compacted Wastes		Loose Wastes
	YD3	Monthly Per 32 Gal. Can	
Without Resource Recovery	+0.93	+0.28	+0.41
With maximum Resource Recovery Benefits	-0.32	-0.10	-0.21

MSD RESPONSIBILITY:

- . System Planning
- . Contract with state, local government, and private industry.
- . Adopt ordinances, rules and regulations
- . Acquire property
- . Design and construct facilities
- . Manage disposal of solid waste
- . Regulate solid waste disposal

PORTLAND AND VICINITY METROPOLITAN SERVICE DISTRICT

One inch equals approximately 3.2 miles.
Scale 0 1 2 3 4 5 miles.



LEGEND

- △ Transfer Processing Stations
- Sanitary Landfills
- ▽ Proposed Transfer Processing Stations

A T T A C H M E N T 2

Requests for funding estimates were sent to:

- . American Can Company
- . Black-Clawson
- . Continental Can Company
- . Carborundum Corporation
- . Hammermills Incorporated (Pettybone Corporation)
- . Heil Company
- . Jeffrey Manufacturing Company
- . Peabody-Gallion, Inc.
- . William Patent Crusher and Pulverizer
- . Hazmag
- . Allis Chalmer
- . Pennsylvania Crusher Corporation