

**CITY OF MILWAUKIE  
CITY COUNCIL AGENDA  
MAY 3, 1994**

**MILWAUKIE CENTER**

**1694TH MEETING**

**WORK SESSION**

5:30 - 6:30 p.m. - KOLTT Subregion Wastewater Treatment  
6:30 - 6:45 p.m. - Information Sharing

**REGULAR SESSION**

7:00 p.m.

**I. CALL TO ORDER  
Pledge of Allegiance**

**II. PROCLAMATIONS, COMMENDATIONS, SPECIAL REPORTS, AND  
AWARDS**

**Milwaukie Drug Prevention Coalition - Drug Free School Zones**

**III. PUBLIC HEARING** *(Public comment will be allowed on items appearing on this portion of the agenda following a brief staff report presenting the item and action requested. The Mayor may limit testimony.)*

**Consider Amendments to Ordinance 1752 Regarding Solid Waste and Recycling in the City of Milwaukie - Ordinance (Darrell Lyons)**

- A. Length of Franchise Term**
- B. Map of Franchise Districts**

**IV. AUDIENCE PARTICIPATION** *(The Mayor will call for statements from citizens regarding issues relating to the City. It is the intention that this portion of the agenda shall be limited to items of City business which are properly the object of Council consideration. Persons wishing to speak shall be allowed to do so only after registering on the card provided on the table at the back of the meeting area. The Council may limit the time allowed for presentation.)*

**V. OTHER BUSINESS** *(The following items will be individually presented by City staff or other appropriate individuals. A synopsis of each item together with a brief statement of the action being requested shall be made by those appearing on behalf of an agenda item.)*

- A. Consider Solid Waste and Recycling Franchise Renewal - Resolution (Darrell Lyons)**
- B. Consider Fee for Community Development Ordinance Subscriber Service - Resolution (Maggie Collins)**
- C. Consider Letting Bids for 1994 Waterline Improvement Project (Greg Drechsler)**
- D. Consider Letting Bids for Repainting Stanley Water Storage Tank (Greg Drechsler)**
- E. Consider Cable Rate Regulation and Local Certification for Cable Television (Charlene Richards)**

**VI. CONSENT AGENDA** *(Items appearing below are considered to be routine, and therefore, will not be allotted Council discussion time on the agenda. Rather, the items may be passed upon by the Council in one blanket motion. Any Council member may remove an item from the "Consent" portion of the agenda for discussion or questions by requesting such action prior to consideration of that portion of the agenda.)*

**City Council Minutes of April 19, 1994**

**VII. INFORMATION**

- A. Planning Commission Minutes of April 12, 1994**
- B. Sewer Rate Increase Information**
- C. Departmental Quarterly Reports**
- D. North Clackamas Parks and Recreation District (North Clackamas Parks and Recreation District (NCPRD) Information**
- E. Resignation of Parks and Recreation Commission (PARC) Member**
- F. Business Journal Article: *Sidewalk War***
- G. Accounts Payable Transactions**
- H. Mt. Hood Economic Alliance Minutes of April 13, 1994**

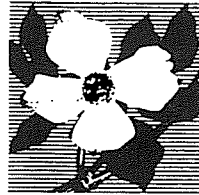
**VIII. ADJOURNMENT**

**EXECUTIVE SESSION**

*At the end of the regular meeting, the Council may hold an Executive Session under the authority of ORS 192.660 as needed.*

*For assistance/services per the Americans with Disabilities Act (ADA),  
dial TDD 659-5171.*

# CITY OF MILWAUKIE



COMMUNITY DEVELOPMENT  
PUBLIC WORKS

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MILWAUKIE, OR 97206

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## MEMORANDUM

TO: Mayor and City Council  
THRU: Dan Bartlett, City Manager *DB*  
FROM: R. Tim Corbett, Public Works Director *RTC*  
SUBJECT: Work Session to Discuss KOLTT Study  
DATE: April 19, 1994

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### Action Requested

Conduct a work session to discuss progress made to date on KOLTT study.

### Background

The City Council adopted a resolution which officially adopted the North Clackamas Service Area and City of Milwaukie Sewerage Facility Plan in March of 1993. The plan evaluated long term solutions for the area and determined that costs were extremely high to provide effective Sewerage treatment services over the next 20 years.

The Plan recommended that a regional study be conducted to evaluate whether cost savings could be realized by addressing sewerage treatment on a regional basis. As a result, the KOLTT study group was formed and entered into a contract to with McKeever Morris to study regional opportunities in sewerage treatment. The acronym KOLTT represent the plants and jurisdictions involving the study namely; Kellogg, Oak Lodge, Tri-Cities and Tryon Creek.

### Discussion

After evaluating numerous options, the study team has narrowed the options to six. The work session will focus on updating the Council on progress to date and the next steps. A member of the consultant team will be available to make a presentation and answer questions at the work session. A briefing paper and potential billing insert is attached for your review.

attachments RTC/rtc

## KOLTT NEWSLETTER INSERT

A study to identify the most cost-effective means of providing wastewater treatment services to many communities in Clackamas County has recently completed Phase I of its analysis. Early analysis indicates that new configurations of the wastewater treatment plants than currently planned and/or the governing authority and ownership of these plants may yield the best results.

The KOLTT study (which stands for the four existing wastewater treatment plants in the study area: Kellogg Creek, Oak Lodge, Tryon Creek and Tri-Cities) seeks to find the most efficient and cost effective means to provide wastewater treatment services for many of the urbanized communities in Clackamas County. Eight jurisdictions are participating in the study: Clackamas County Service District #1, the Oak Lodge Sanitary District and the Cities of Milwaukie, Gladstone, Portland, Oregon City, Lake Oswego and West Linn.

With the projected growth in this part of the county, there will be a demand for additional wastewater treatment capacity. Projections indicate that the four facilities will need to handle almost 45% more than their current collective 32.5 million gallon a day capacity.

The study initially concludes that the best technical options may include some combination of expansion at the current Oak Lodge or Tri-Cities facilities and/or building a new plant in the West Linn area. Benefits may also be available by consolidating the governance structure for all or some of the plants.

Phase I of KOLTT was completed in April. During this phase, evaluation criteria by which to determine the most efficient system were established. Also, over 60 treatment options were identified and analyzed and then the top-rated 5 specific options are recommended to be moved forward to Phase II. Phase II of KOLTT will conduct analysis in greater detail of the five specific system options. Also, a public workshop will be used for citizen input into the different options. One or two options will be forwarded for implementation by the participating jurisdictions. The study is expected to be completed by the end of the summer, 1994.

# KOLTT SUBREGION WASTEWATER TREATMENT OPTIONS STUDY

Kellogg Creek  
Oak Lodge  
Tryon Creek  
Tri-City

## EVALUATION CRITERIA, OPTIONS IDENTIFICATION AND EVALUATION

April 20, 1994

### PROJECT STATUS: WHAT'S GOING ON WITH THE KOLTT STUDY?

A study to identify the most cost-effective means of providing wastewater treatment services to many communities in Clackamas County has recently completed Phase I of its analysis. Early analysis indicates that new configurations of the wastewater treatment plants than currently planned and/or the governing authority and ownership of these plants may yield the best results.

"KOLTT" is the project and is an acronym for the four existing wastewater treatment plants in the study area: Kellogg Creek, Oak Lodge, Tryon Creek and Tri-Cities. Eight jurisdictions are participating in the study: Clackamas County Service District #1, Oak Lodge Sanitary District and Cities of Milwaukie, Gladstone, Portland, Oregon City, Lake Oswego and West Linn.

The need for this study is based on projected growth in this area and the demand it creates for sewer services. Projections indicate that the four facilities will need to handle almost 45% more wastewater flows than the current collective 32.5 million gallons a day capacity.

After analyzing over 60 different system configurations of the four treatment facilities, the five options which best met the goals of the project were selected. The five options (see the sidebar for the specific configurations) fall into one of three general categories:

- independent operations (as is currently being done);
- expanding a current facility (either the Oak Lodge or Tri-Cities facilities); or
- building a new subregional facility.

In addition, the structure of the governing authority/ownership is critical to how effective and cost-efficient sewer services are provided. A variety of different governance structures were examined. Four general governance scenarios were carried forward to the next level of analysis in case II. The four governance options include:

- status quo (continued separate governance for each treatment plant);

### SYSTEM CONFIGURATION OPTIONS AND ESTIMATED ULTIMATE COSTS FOR TOP FIVE OPTIONS

Ultimate Estimated Cost (millions)

Capital	OMR		
\$72.3	\$27.2	#1	<b>Follow Existing Plans</b> Base case. Follow facility plans. Expand each plant as needed to meet individual service area needs.
\$67.4	\$21.4	#2	<b>Expand Oak Lodge</b> Utilize Kellogg Creek, Oak Lodge, and Tryon Creek plants up to their capacity. Pump flows over their capacity to a new sub-regional facility (adjacent to Oak Lodge). Tri-City follows its facility plan.
\$45.6	\$22.7	#3	<b>Expand Tri-City</b> Tryon Creek excess flows go to USA Durham, Kellogg Creek excess flows east of I-205 go to an expanded Tri-City plant, and the Oak Lodge plant expands as needed. Note: a revised version of this option will be analyzed in Phase II which would keep all expansion within the existing site.
\$43.6	\$20.1	#4	<b>Expand Oak Lodge; Tryon Creek to USA Durham</b> Utilize Kellogg Creek and Tryon Creek up to their capacity. Tryon Creek excess flows go to USA Durham, Kellogg Creek excess flows go to a new treatment facility (adjacent to Oak Lodge). Tri-City follows its facility plan and expands as needed.
\$68.7	\$17.7	#5	<b>New Sub-regional Facility</b> A new sub-regional facility (in West Linn area) is built to accommodate growth from the Tri-City area. Some flows are diverted from the Tri-City plant to the new facility. Flows from Clackamas County east of I-205 are sent to Tri-City to free up capacity at Kellogg, allowing Kellogg to accommodate growth at its current capacity. Tryon Creek excess flows to USA Durham and the Oak Lodge plant expands to meet its own needs. Note: Option only viable if substantial new growth in Tualatin and lower Oregon City areas.

- county service district (Board of County Commissioners responsible for all treatment plants);
- a sanitary authority or district (a separately elected Board of Directors dedicated solely to governing all treatment plants); and
- ORS 190 cooperative entity and/or agreement (which retains the current governance structure but would contractually provide for cooperative delivery of certain functions).

## OPTIONS IDENTIFICATION AND EVALUATION: HOW IS THE KOLTT STUDY IDENTIFYING THE "BEST" OPTION?

The KOLTT process for identifying the more efficient means of providing wastewater treatment services included the following:

### Fact Finding

The project started by gathering the known facts about each facility (e.g., treatment capacity) and other pertinent data (e.g., rate structures). The results are detailed in KOLTT Report #1 and summarized in KOLTT Newsletter #1.

### Evaluation Criteria

It is a difficult task to identify the "best" options when "best" can be defined differently by each participant. So, in order to assure that the process will produce options that are reviewed objectively and reflect the values of the communities involved, evaluation criteria were developed by the Steering Committee (see below). Evaluation criteria are the stated values and principles that all the participating jurisdictions want to see reflected in the "best" option.

The evaluation criteria developed reflected such values as: meeting service demand, responsiveness, practicality, efficiency, equity, minimizing costs and compatibility with other public priorities.

### Options Identification and Evaluation

The consultant team identified over sixty different technical system configurations. Using the professional judgment of the project Technical Team and the consultant team, eleven options were carried forward. The top five options that were identified (see sidebar) are being forwarded to Phase II for more analysis and evaluation. Ultimately, this list will produce one or two options for detailed analysis.

In addition to the technical analysis, the consultant team examined land use, governance and finance issues. With the top five technical options determined, the analysis using these three areas will be conducted with a greater level of detail, in Phase II.

## COMMITTEE STRUCTURE: WHO DETERMINES THE "BEST" OPTIONS?

The consultant team provides the analysis and evaluation of the options. The work is then reviewed and the

options are evaluated by the project committees for approval. This project uses three different committees in order to develop consensus on this project:

The **Technical Committee**, comprised of the technical staff persons from each participating jurisdiction, reviews and guides the technical analysis of the consultant team's work.

The **Administrators Committee**, comprised of the chief administrative officers of each jurisdiction, reviews and guides the consultant team on ownership and governing analysis.

The **Steering Committee**, comprised of the members of the Technical and Administrative Committees and elected official liaisons from each jurisdiction, provides policy oversight on the technical and ownership/authority analysis.

## PHASE II: WHERE ARE WE NOW?

Phase I, which began in June, 1993, was recently completed. This included compiling the existing conditions findings, developing the evaluation criteria and the identification and evaluation of different system configuration options.

Phase II of the study will have a detailed analysis of the forwarded options. This will include more analysis of each of the five options as they relate to financial, governance, technical and land use options. Also, a public involvement workshop and worksessions with each governing board of the eight participating jurisdictions will be used to gather input on these options. Phase II will end by the eventual selection of one or two technical options, a governance structure and a plan for implementation.

Phase II will start in April and is expected to be completed by the end of the summer in 1994.

