

AGENDA COVER MEMO

W. J. F.
04-5-19-9

DATE: May 19th, 2004
TO: Lane County Board of Commissioners
DEPARTMENT: Public Works
PRESENTED BY: Pete Chism, Waste Reduction Specialist
Waste Management Division

AGENDA ITEM TITLE: IN THE MATTER OF AWARDING A CONTRACT TO EARTH PROTECTION SERVICES INC. IN THE AMOUNT OF \$217,880.70 FOR ELECTRONIC RECYCLING SERVICES AT THE GLENWOOD CENTRAL RECEIVING STATION WM 04/05-01.

I. MOTION

MOVE APPROVAL OF AWARDING A CONTRACT TO EARTH PROTECTION SERVICES INC. IN THE AMOUNT OF \$217,880.70 FOR ELECTRONIC RECYCLING SERVICES AT THE GLENWOOD CENTRAL RECEIVING STATION WM 04/05-01.

II. ISSUE OR PROBLEM

Toxicity. Televisions and computer monitors contain picture tubes called cathode ray tubes (CRTs). CRTs contain on average 5 - 10 pounds of lead. Mercury, cadmium and a number of other persistent toxic compounds also exist in electronic devices. Harmless while intact, the lead in the screens may contaminate soil and groundwater supplies if the screens are crushed in a landfill. According to the Environmental Protection Agency (EPA), electronics can present an environmental hazard if they are disposed of improperly.

Technology Growth. The rapid development of technology in the last 15 years has produced a wide array of electronic devices. Computers, televisions, VCRs, stereos, cell phones, palm pilots, laptop computers and pagers are becoming a large percentage of the waste stream. In Lane County, an estimated 11,000 tons of electronic devices await some disposal action.

Technology Changes. Recycling opportunities for televisions and monitors are limited, and many end up within the municipal solid waste stream. This number may increase dramatically over the next few years. The Federal Communications Commission (FCC) has established an accelerated schedule for the national introduction of digital television (DTV). The broadcast television industry is required to convert from analog to digital transmission by 2006. This conversion will cause a dramatic increase in the number of discarded televisions in the waste stream.

Hazardous Waste Exporting. When whole electronics are exported to a country with little or no environmental regulations, the frequency of dumping hazardous materials into the environment dramatically increases. The process of dismantling some of the electronic materials has been targeted by the DEQ as a source of environmental degradation. Lane County Waste Management requests that all dismantling of electronic devices occur in the United States, where there are more stringent environmental rules.

III. DISCUSSION

A. Background

On March 9th, 2004, the Waste Management Division gave a presentation to the Lane County Finance and Audit Committee on the proposed permanent recycling collection program for electronic devices at the Glenwood Central Receiving Station. By a vote of 2 to 1, the Finance and Audit Committee recommended the proposal go to the Board of Commissioners for further approval.

On March 31st, the Waste Management Division gave a presentation to the Lane County Board of Commissioners on the preparation of fees associated with a proposed electronic recycling service at the Glenwood Central Receiving Station. By a vote of 4 to 1, the Board recommended the Waste Management Division prepare a fee structure based on the cost proposed by the selected contractor.

On April 6th, a request for proposal was released to the public. Twenty-two proposals were sent out to electronic recyclers and five were submitted. (See attachment, evaluation matrix.)

On April 26th, the Waste Management Division recommended the selection of a contractor for contract WM 04/05-01, Electronics Recycling Services at the Glenwood Central Receiving Station, Earth Protection Services Inc.

B. Analysis

Earth Protection Services Inc. (EPSI) submitted a proposal to Lane County to recycle electronic equipment, without exporting materials prior to dismantling, for \$217,880.70. Materials collected under the proposal include, but are not limited to all computer and telephone-related equipment, televisions, VCRs, DVD players, fax machines, copy machines, and video game systems.

In the proposal to Lane County, EPSI proposed handling the following materials accordingly:

Computers (CPUs) are de-manufactured at their Tigard Facility into the following components:

- Exterior case
- Chassis (frame)
- Circuit boards
- CD, DVD and floppy drives
- Hard drives
- Power supplies
- Cables and wire

Monitors are also de-manufactured at their Tigard Facility into the following components:

- Cathode Ray Tubes (CRTs)
- Exterior plastic housing
- Chassis (frame)
- Stainless steel color gun (aluminum piece that fits on the end of a CRT)
- Circuit board
- Cables and wire

After the dismantling process at the EPSI facility in Tigard, the following materials are sent to various markets for further processing.

Drives, cables, wire and power supplies. All drives, cables, wire and power supplies go to Metro Metals in Vancouver, Washington to be shredded and separated into three main streams of material:

- Metal ferrous – sold to metals markets in the form of iron and steel.
- Metal non-ferrous – sold to the metals markets in the form of aluminum, copper, and brass.
- Fluff (various plastics – used as an alternative daily coverage for landfills.

Circuit boards. Computer circuit boards are processed at a Hallmark Refining Company in Mt. Vernon, Washington. Hallmark refining shreds the material, then sends the shredded materials to a refining facility, Noranda in Canada or Umicore, in Belgium.

Cathod Ray Tubes (CRTs). CRTs are placed in Gaylord boxes and sent to Doe Run Lead Smelter in Missouri. The lead is extracted from the glass and re-entered in the commodity market, commonly in the form of lead-acid batteries.

Batteries. Batteries are separated by type and sent to INMETCO in Pennsylvania for processing.

Printers. The ink is removed from the printers and shipped to Collect Inc. in Portland, Or for reuse. The remaining parts from the computer are processed through Metro Metals in Vancouver, Wa.

Monitor Plastic Exterior Case. EPSI is currently bailing various grades of monitor plastic for recycling.

EPSI meets all of the requirements of Lane County Waste Management. On Wednesday, April 27th, Lane County staff traveled to Tigard to examine the EPSI facility and to Vancouver to visit the Metro Metals shredding operation. The EPSI program for recycling electronic materials has the potential to provide Lane County with an environmentally sound service at a reasonable price.

Hours of operation. All materials collected will be by appointment only for the following time slots, totaling 24 hours per month.

Residential electronic collections shall be held every Friday by appointment from 12 pm – 4 pm and the fourth Saturday of every month from 12 pm – 4 pm.

Commercial electronic collections shall occur on the third Wednesday of the month from 12 pm – 4pm.

C. Alternatives/Options

The Board may award or choose not to award a contract with Earth Protection Services Inc. in the amount of \$217,880.70 for Electronic Recycling Services at the Glenwood Central Receiving Station WM 04/05-01 and associated user fees.

D. Recommendation

The Waste Management Division recommends the award of a contract with Earth Protection Services Inc. in the amount of \$217,880.70 for Electronic Recycling Services at the Glenwood Central Receiving Station WM 04/05-01 and associated user fees.

E. Timing

None

IV. IMPLEMENTATION/FOLLOW-UP

None

V. ATTACHMENTS

Evaluation Matrix
Board order

Evaluation Matrix for Electronic Recycling Services WM 04/05-01

Evaluators: Pete Chism, Patti Hansen, Jeff Bishop, Larry Gibbs	Bid Bond	Contract Price (40 pts.)	Collection Schedule and Equipment (40 pts.)	Materials Markets (30 pts.)	Experience (30 pts.)	Cultural Competence (5pts.)	Additional Services (5 pts.)	Total Points
EPSI	Yes	40 pts. (\$217,880.70)	Meets needs of the County - 35 pts.	Comprehensive material markets, utilizes shredding service - 25 pts.	3 years - 20 pts.	3 pts.	Provide fluorescent lamp, PCB Ballast and Battery recycling options - 5 pts.	128 pts.
MSE Environmental	Yes	0 pts. (\$405,729.94)	Not tied to a carrier, good description of handling - 30 pts.	Vague on details of end markets - 20 pts.	3 years - 20 pts.	5 pts.	Listed in Table of Contents, but not in proposal - 3 pts.	78 pts.
ONYX Environmental	Yes	0 pts. (\$363,481.35)	Comprehensive schedule, flexible options for equipment and schedule - 25 pts.	Vague on details of end markets - 20 pts.	Listed lots of experience, not clear how much is related to RFP - 15 pts.	5 pts.	Multiple HHW service options - 5 pts.	70 pts.
PSC	Yes	0 pts. (\$325,295.84)	Variety of equipment, subcontractor, regular equipment inspections - 30 pts.	Comprehansive material markets, extra materials recycled - 25 pts.	3 years - 20 pts.	5 pts.	Could transport commingled loads with HHW - 5 pts.	85 pts.
Total Reclaim	Yes	0 pts. (\$280,058.26)	Meets needs of County, flexible - 30 pts.	Comprehensive material markets, signed pledge of stewardship - 30 pts.	5 years - 25 pts.	5 pts.	Provide recycle options for appliances, lamps, ballast. Also can provide extra help at events - 4 pts.	94 pts.

IN THE BOARD OF COUNTY COMMISSIONERS OF LANE COUNTY, OREGON

ORDER NO.) **IN THE MATTER OF AWARDING A CONTRACT TO EARTH**
) **PROTECTION SERVICES, INC. IN THE AMOUNT OF \$217,880.70**
) **FOR ELECTRONIC RECYCLING SERVICES AT THE**
) **GLENWOOD CENTRAL RECEIVING STATION WM 04/05-01.**

WHEREAS, the purpose of the program is to provide Lane County citizens the option to dispose of electronic devices, with potentially hazardous materials, in an environmentally responsible manner, through a system researched and approved by the Lane County Waste Management Division and the Lane County Resource Recovery Advisory Committee.

WHEREAS, the Lane County Board of Commissioners and the Lane County Finance and Audit Committee recommended that the Waste Management Division, a division of the Public Works Department, prepare fees for the electronic recycling collection service at the Glenwood Central Receiving Station.

WHEREAS, the Lane County Board of Commissioners approve the recommendation of Earth Protection Services Inc. for electronic recycling services at the Glenwood Receiving Station.

WHEREAS, the recycling collection program for electronic devices offers an environmentally sound recycling option and encourages the reuse of electronic devices in Lane County.

NOW THEREFORE IT IS HEREBY ORDERED, that a contract be awarded to Earth Protection Services, Inc. in the amount of \$217,880.70 and that is consistent with the terms of the County's Request For Proposal WM 04/05-01 and proposal documents submitted by Earth Protection Services, Inc.

IT IS FURTHER ORDERED, that the County Administrator be authorized to execute a contract with Earth Protection Services, Inc. that substantially conforms to this Order.

Adopted this ____ day of May, 2004.

Bobby Green
Chair, Lane County Board of Commissioners

APPROVED AS TO FORM
Date 5-11-2004 Lane County
Stephen J. Clarke
OFFICE OF LEGAL COUNSEL

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