



KENT COUNTY BOARD OF PUBLIC WORKS

June 4, 2015

8:30 AM

Earl G. Woodworth Building
Meeting Room Chambers
1500 Scribner Avenue NW
Grand Rapids, Michigan 49504

MEMBERS PRESENT: Commissioners Vonk, Shroll, VanderMolen, Byl, Bulkowski

MEMBERS ABSENT: Commissioner Morgan, Groenleer

OTHERS PRESENT: Darwin Baas, Director; Elissa Soto, Office Manager; Kimberly Williams, Finance Division Director; Molly Sherwood, Environmental Compliance Manager; Chris Robinson, WTE Operations Manager; Dan Rose, Solid Waste Operations Manager; Cal Brinks, Purchasing Division; Tracey Croskery; Linda Howell, Corporate Counsel; James Hurt, City of Grand Rapids

I. Call to Order

The meeting was called to order at 8:30 a.m.

II. Public Comment

None

III. Consent Agenda

A. Review and Approval of Minutes

B. Monetary Outlays

C. NKTS Site Truck Replacement – Action Request

Review and approve the purchase of a 2015 Chevrolet Silverado 1500 Site Truck for the North Kent Transfer Station at a cost of \$23,997.

D. SKL Litter Screen – Action Request

Review and approve the purchase of portable litter screening manufactured by Metta Technologies at a cost of \$27,600.00. Price include six (6) sections, each 24 feet in length and fifteen feet in height.

MOTION

It was moved by Commissioner VanderMolen and seconded by Commissioner Byl to approve the consent agenda.

Motion carried unanimously.

IV. Administration

A. 2016 Budget Review

Staff requested the review and approval of the Department Budget for 2016. The budget as presented follows the format of the 2015 budget where the department is reported as one fund with the individual organizations (orgs).

- The Revenue section of the budget is based on type of revenues: tipping fee, energy revenue and sales.
- Expenses are presented in an org format by operational area: South Kent Landfill, Waste to Energy, Administration, etc.

Kimberly Williams, Finance Director reported the following highlights to the Budget:

- MRF sales revenues consists of a \$10 per ton tipping fee and revenue from the sale of single stream recyclables. Recyclable revenue varies from year to year and are based on commodity pricing which adjusts on a monthly basis. Staff estimates that 40,000 tons of recyclables will be processed in 2016 and approximately 34,000 commodity tons sold.
- Salaries and wages increased 2%, taking into consideration step adjustments. Benefits were estimated based on current rates and anticipated cost increases. Health insurance is estimated to increase 25%.
- WTE expenses were increased based on 2014 actual expenses. \$610,000 is added to the rate stabilization fund to maintain the \$45 per ton rate.
- South Kent Landfill shows a 38% increase due to the anticipated increase in tons processed as reflected in the 2014 actual expenses.
- North Kent Transfer station shows an \$800,000 increase to more accurately reflect the operational expense of the NKTS as reported in the 2014 actual expenses.

MOTION

It was moved by Commissioner VanderMolen and seconded by Commissioner Byl to approve the 2016 Budget for the Department of Public Works for submittal to the County Administration.

Motion carried unanimously.

V. Resource Recovery and Recycling Operations

A. Strategic Materials Contract - Action Request

Staff requested the review and approval for the Director to execute a Service Agreement with Strategic Materials, Inc. for the hauling, processing and recycling of 3-Mix glass generated at the Kent County Recycling & Education Center.

Nearly 4,000 tons of glass bottles and jars (3-Mix glass) were processed at the MRF in 2014. Historically, glass is a difficult material for MRFs to process and recycle with the challenge of separating colors. Processing costs to achieve a clean cullet and the transportation costs generally leave no revenue.

Under a contract expiring in May 2015, Kent County has worked with Strategic Materials, Inc. in Chicago since 2011 to process 3-Mix grade glass from Kent County's single stream recycling facility. Strategic Materials screens, optically sorts and recycles the glass into products including fiberglass insulation, food and beverage containers, reflective materials and other consumer and industrial products.

Under the current proposal, Strategic will pay transportation and not charge or compensate Kent County for the material unless the baseline quality changes. The cost/revenue are determined by the enclosed Tipping Fee Calculator and based on amounts of non-glass residue (bottle caps, shredded paper and other debris) and fines (material less than 3/8" in diameter). Currently no other outlet for glass recycling available to Kent County. Landfill cost avoidance for this glass would exceed \$90,000.

Corporate Counsel has reviewed the Agreement.

MOTION

It was moved by Commissioner Byl and seconded by Commissioner VanderMolen to authorize the Director to execute a Service Agreement with Strategic Materials, Inc. for the hauling, processing and recycling of 3-Mix glass generated at the Kent County Recycling & Education Center.

Motion carried unanimously.

VI. Environmental Compliance Management

A. Kentwood Landfill Gas Collection System Installation - Action Request

Staff presented a request to review and approve Catskill Remedial Contracting Services of Otsego, Michigan to construct and install a gas collection system at the Kentwood Landfill in accordance with Kent County Purchasing Specification 1587 and associated Addenda.

Requirements set forth in the October 2014 Kentwood Landfill Five Year Review Report issued by U.S. EPA include installation of a methane gas collection system to prevent migration of gas to offsite receptors. The designed landfill gas collection system will utilize existing gas vents to draw methane from the landfill and prevent offsite migration.

The design of the landfill gas collection system was approved by MDEQ and U.S. EPA prior to initiating a competitive bidding process through Kent County Purchasing. On May 28, 2015, the following bids were received.

- **Catskill Remedial Contracting Services** **\$350,869.40**
- Landmarc Environmental Systems \$383,641.00
- CB&I Environmental & Infrastructure \$417,792.00
- Advance One Development \$472,354.00
- Terra Contracting Services \$633,942.00

Staff recommends awarding the construction and installation contract to Catskill Remedial Contracting Services, Inc. at a cost of \$350,869.40, the low bid.

Commissioner Shroll asked the difference between the contractors. Ms. Sherwood stated that all contractors listed are very competent. The low bidder is using a manufacturer that can provide parts/services at a much lower price. They are also local which brings down certain mobilization costs.

MOTION

It was moved by Commissioner Byl and seconded by Commissioner Shroll to approve Catskill Remedial Contracting Services to construct and install a gas collection system at Kentwood Landfill in accordance with Specification 1587 and its associated addenda in the amount of \$350,869.40.

Motion carried unanimously.

VII. Waste-to-Energy Facility Operations

A. Leidos Engineering Agreement – Action Request

Approval to an Amendment extending the Consulting Services Agreement with Leidos Engineering for three (3) years through June 1, 2018 was requested.

The Department utilizes engineering consulting services for the WTE Facility. The Consulting Engineer generates an Annual Audit and Inspection Report required by the Facility's Power Purchase Agreement with Consumers Energy Company. The Engineer also represents the County on Service Agreement technical issues with Covanta Kent.

The original three-year contract for these services was bid in February 2009. This is specialized work and only two responses were received. The low bid was from R.W. Beck, Inc. at a total cost of \$63,000. The other bid was for \$187,574. In August, 2009, SAIC Energy, Environmental & Infrastructure, LLC acquired R.W. Beck and consolidated its operations and now is known as Leidos Engineering LLC (Leidos). Key personnel providing services for the County have remained the same.

A first amendment extending the agreement for three years expired March 31, 2015. To maintain continuity, staff requested that Leidos submit a proposal to extend the Consulting Services Agreement for an additional three (3) years through June 1, 2018. Leidos has submitted a fixed fee of \$23,000 for year seven, \$23,500 for year eight and for year nine \$24,000 for a combined total for the third three year period of \$70,500, and an overall contract total of \$201,000. All other terms and conditions of the Agreement will remain in full force and effect.

The second amendment to the Consulting Services Agreement has been reviewed by Corporate Counsel.

MOTION

It was moved by Commissioner VanderMolen and seconded by Commissioner Bulkowski to approve and authorize the director to sign an Amendment extending the Consulting Services Agreement with Leidos Engineering for three (3) years through June 1, 2018.

Motion carried unanimously.

B. GBB ZWTL Proposal – Action Request

Staff presented a request to approve and authorize the Director to sign the Zero Waste to Landfill study from Gershman, Brickner & Bratton in the amount not-to-exceed \$50,000.

Since coming on line in 1990, the DPW has operated an efW facility with two MSW combustion trains. The facility was constructed to accommodate a third combustion unit. With the upturn in the economy and increased business activity the WTE facility is receiving increased tonnage and transferring due to capacity limitations.

Major brands and manufacturers are gaining interest in certification in Zero Waste to Landfill (ZWLF) certification and increasing, local companies are pursuing ZWLF options. Due to capacity limitations at the WTE and the high heating value of discards from manufacturing, particularly wood and plastics, the DPW in collaboration with The Right Place is partnering with local industry to determine how much feed stock is available for ZWLF use and determine the economic development value.

This effort will explore available technologies including traditional MSW combustion, alternative WTE technology, as well as conversion technology infrastructure such as

gasification, RDF production, pyrolysis, anaerobic digestion and composting and the economics of each. Local companies including Grand Rapids Label, Haworth, Herman Miller, Landscape Forms and Trendway have committed \$5000 towards this effort. GBB will utilize the services of the Sustainable Research Group, a local company who has been coordinating this effort to help identify additional companies with similar need.

The proposal has been reviewed and approved by Purchasing and Corporate Counsel.

MOTION

It was moved by Commissioner Byl and seconded by Commissioner Shroll to approve and authorize the Director to sign the GBB Zero Waste to Landfill study from Gershman, Brickner & Bratton in the amount not-to-exceed \$50,000.

Motion carried unanimously.

VIII. Director’s Report

- A. Solid Waste Management Ordinance Update – the ordinance is proceeding through the Board of Commissioner committee process.
- B. WM Sustainable Business Forum Trash Study – the DPW continues to work with the WM Sustainable Business Forum through a grant from the MDEQ to quantify the value of waste that is disposed at the South Kent Landfill, WTE and North Kent Transfer Station.
- C. Administrative Offices Study – as a result of the County space needs study and discussions with the Road Commission about possibly moving from the Scribner campus, the department is working with Facilities Management and Progressive AE to determine whether space for administrative needs is available at the Recycling and Education Center.

IX. Miscellaneous

None

X. Adjournment

The meeting adjourned at 9:16 a.m.