



REPORT

To: Solid Waste Committee

Report Number: ENV-SWC-011

From: Paulo Eichelberger, GM of Environmental Services

Date: August 25, 2020

Subject: 2020 Solid Waste Project Update

RECOMMENDATION:

That the Solid Waste Committee receive the report titled "2020 Solid Waste Project Update ENV-SWC-011" for information.

BACKGROUND/RATIONALE:

This report provides the Solid Waste Committee (SWC) with an update on the status of solid waste projects underway since the last SWC Meeting held on July 2, 2020.

Capital Projects:

1. 2019 Bessborough Landfill Phase 1A/2 Closure, Phase 3A Construction
 - a. Brocor Construction began work again in May. Total completion was achieved by July.
 - b. The project is 100% complete.
2. 2019 Chetwynd Landfill Phase B Closure
 - a. Work began on site in June. The project was completed by Mass Construction and Western Tank and Lining. Total performance was achieved by the end of August.
 - b. The project is 100% complete.
3. 2019 Lebell Land Purchase
 - a. The purchase sales agreement has been completed, as well as the subdivision application. The purchase price of the subdivided land is \$60,000. Staff are ready to fully execute the purchase agreement and place the land on title. The expected completion date is September 15, 2020.
4. 2019 Lone Prairie Lease
 - a. The lease agreement has been put on hold until the Regional Solid Waste Management Plan (RSWMP) has been renewed.

5. 2020 Landfill/Transfer Station Software Update (CW6)
 - a. The project was kicked off in June. Paradigm has begun programming and pulling data from the current system into the new CompuWeigh 6 program. Staff training is scheduled for early September 2020.
 - b. The project was scheduled for 16 weeks. At this time the anticipated completion date is September 30th.
 - c. The project is 40% complete.
6. 2020 Bessborough Landfill Phase 1B Closure, Phase 3B Construction, Leachate impoundment
 - a. The project was kicked off in July. OCL Group has begun excavation of the leachate pond, hauling material to phase 1B closure, and stripping and excavating phase 3B pit.
 - b. The project was scheduled for 22 weeks. At this time the anticipated completion date is November 30th.
 - c. The project is 20% complete.
7. 2020 North Peace Regional Landfill, Landfill Gas Phase 2 Stage 2 Construction
 - a. The project is scheduled to begin August 26th. Knappett Industries will be completing the work in coordination with Epscan.
 - b. The project is scheduled for 6 weeks and the anticipated completion date is October 15th.
 - c. The project is 0% complete.
8. 2020 Bulky Pit Ramps
 - a. The project was kicked off in July. Chapman Industries has completed Cecil Lake site and are currently working on Rose Prairie.
 - b. The project was scheduled for 6 weeks. The anticipated completion date is October 15th; however, the project began 4 weeks earlier than intended by the contractor.
 - c. The project is 40% complete.
9. 2020 Recycling Sheds
 - a. The project was kicked off in August. Northern Portables has completed 5 buildings, which have been delivered to Rolla, Moberly Lake, Tomslake, Cecil Lake, and Rose Prairie.
 - b. The project is expected to take 9 weeks and the anticipated completion date is October 2nd.
 - c. The project is 56% complete.
10. 2020 Chetwynd Scale Design
 - a. The project was kicked off in August. Sperling Hansen Associates has begun an initial site layout, with considerations for future Transfer Station location with final contours of the Landfill, and has performed test pitting to confirm subsurface composition.
 - b. The project is expected to take 28 weeks for design.
 - c. The project is 15% complete.

Operational Projects:

1. Landfill Operations Contractor Transition
 - a. Whissell took over the landfill contract as of August 1st.
2. Regional Solid Waste Management Plan (RSWMP) Renewal
 - a. Preferred strategies under review by staff and the SWC. Refer to “SWMP Survey and Update Report” on Sept. 3, 2020 SWC Agenda.
3. Bessborough and Chetwynd Landfill Design, Operations and Control Plan (DOCP) Updates
 - a. TetraTech is consolidating information and working on a draft of each plan. The draft should be available by end of September, with the final submission ready for November 31st.
4. 2019 Annual Landfill Reports
 - a. Sperling Hansen Associates has compiled all the data and is working on creating a template for all future reports, the final copies of the 2019 reports will be ready by the first week of September.
5. Closed Landfill Closure Reports
 - a. GHD has completed the first set of site visits at all 13 sites with staff. The first draft report has been reviewed and will be the template for the remaining 12 reports. The draft reports will be ready by end of August with final reports ready by November.
6. Updating Solid Waste Agreements
 - a. Staff met with District of Tumbler Ridge staff to review current invoicing practices and discuss options for a path forward.
 - b. Staff is scheduling a meeting with City of Dawson Creek staff for early September to discuss the Waste Haulage Agreement.
7. Updating Landfill Gas (LFG) Assessments
 - a. GHD is working on the Supplemental LFG Assessment for Bessborough.
 - b. TetraTech is working on the Supplemental LFG Assessment for Chetwynd.
8. Composting
 - a. Vermicomposting pilot remains underway.
 - b. Staff is beginning to draft an RFP for Composting services, to be issued 2021.

ALTERNATIVE OPTIONS:

1. That the Solid Waste Committee receive the report titled “2020 Solid Waste Project Update” for discussion.
2. That the Solid Waste Committee provide further direction.

STRATEGIC PLAN RELEVANCE:

- ☒ Responsive Service Delivery
- ☒ Review and Amend Solid Waste Management Plan

FINANCIAL CONSIDERATION(S):

2020 Capital Project	Budgeted	Awarded	Budgeted vs Awarded	Contract Changes
Landfill/Transfer Station Software Upgrade (CW6)	\$230,000	\$232,000	-\$2,000	\$0
BBLF 3B Construction, 1B Closure, Leachate Works	\$2,836,722	\$2,961,628.05	-\$124,906.05	\$34,604.50
NPRLF LFG Phase 2 Stage 2 Construction	\$220,000	\$268,998.50	-\$48,998.50	\$0
Bulky Pit Ramps	\$470,000	\$335,797.06	\$134,202.94	\$45,985.53
Recycling Sheds	\$184,500	\$115,200	\$69,300	\$0
CHLF Scale Design, Tender.	\$250,000	\$50,267.50	\$199,732.50	\$0
TOTALS:	\$4,191,222	\$3,963,891.11	\$227,330.89	\$80,590.03

The capital envelope has a surplus of \$227,330.89 for 2020 projects. With the current contract changes for the BBLF and bulky pits, the total surplus is reduced to \$146,740.86

For 2019 projects, staff is waiting on the final invoices to be reviewed and paid on the capital construction projects. \$2,159,000 was carried forward from the 2019 program, a breakdown is provided below:

2020 Capital Carry Forward Projects	Carry Forward Budget	Invoices	Paid vs
BBLF	\$614,000	\$616,350.44	-\$2,350.44
CHLF – Phase B Closure	\$1,479,000	\$0	\$1,479,000
Lebell Land Purchase	\$60,000	\$0	\$60,000
Lone Prairie Lease	\$6,000	\$0	\$6,000
TOTALS:	\$2,159,000	\$616,350.44	\$1,542,649.56

COMMUNICATIONS CONSIDERATION(S):

None at this time.

OTHER CONSIDERATION(S):

None.