



Southern Alberta Energy from Waste Association (Est 2012)

Briefing Update 04.2020

Mission Statement: Research and implementation of energy recovery from NON-RECYCLABLE WASTE MATERIALS to reduce long term reliance on landfills.

Membership: Fifty communities consisting of Hamlets, Villages, small Urban and Rural Municipalities

Processing Capacity: Up to 300k tonnes per year.

Potential Outputs: +/- 50 MW electricity +/- 1m tonnes process steam

Estimated tipping fees: \$50 per tonne with higher level (non granted) government support. \$90 per tonne with debt financing.

Green House Gas Reductions (peer reviewed): 230k tonnes per year 7m tonnes over the life of the project

Engineers of Record: HDR Inc.

Funds Expended:

Higher level of Governments \$1.5m

Municipal support estimated \$2.0m

Engineering Work Completed: (FCM & ACP Funding Programs \$1.5m)

- Project Development Plan
- Regulatory Requirements Plan
- Siting Process Plan
- Communications Plan
- Procurement Process Plan

- Initial Business Plan
- Detailed Business Plan
- Waste Stream Characterization
- Member Waste Stream Current Costs
- Governance Model: Brownlee LLP/Municipal Affairs
- Siting Analysis: U of A
- Environmental Life Cycle Analysis: HDR with 3rd Party Review by O&G Sustainability and Pembina Institute

Work Completed February 2020: (ACP \$400,000)

- Site Study Evaluation Analysis completed by HDR and
- Site Announcement: Newell Regional Waste Landfill Site
- Extensive Provincial Government Engagement process completed

Work Funded Summer – Winter 2020 (CARES \$84,000)

- EfW Economic Outreach Analysis to be commissioned

2020 – 2022 Priorities - What to expect next?

1. **2020.04.17 Letter of Ask for Funding Support addressed to Hon. Jason Kenny, Premiere Alberta and Alberta Ministers, and Southern AB Caucus cc'd to members**
2. **AGM – planning moved to Fall 2020 in lieu Covid-19**
3. **Federal & Public Engagement (reaching out via electronic connection until self-isolation restrictions lifted)**
4. **2020 – 2022 Strategic Planning Alignment Process and Project Management Schedule**
5. **Sourcing Funding Opportunities and partnerships to keep project and government support momentum moving forward - \$500,000 - \$1M**

Opportunities – several funding initiatives being implemented as a stimulus to the economy

Challenges – Emissions Reduction Alberta \$5m and \$10m and FCM Brownfield Development Funding \$500,000 (all matched funding programs – where do we source 50 percent capital / project sponsor support?)

6. **3rd Party Review – Business Plan to develop Business Case based on Site Selected**
7. **Waste MOU**
8. **Transportation Review**
9. **Technology Selection**
10. **Procurement Plan**