

TRI-COUNTY SOLID WASTE MANAGEMENT COMMISSION WASTE-TO-ENERGY FEASIBILITY STUDY

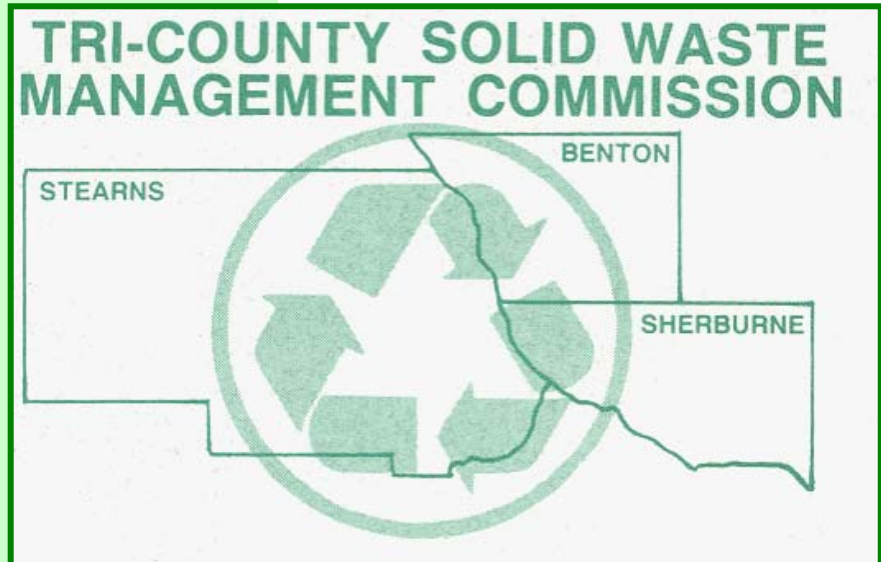
St. Cloud, Minnesota

CLIENT:

Tri-County Solid Waste
Management Commission

PROJECT FEATURES:

- Completed feasibility study for a new 500-Ton Per Day waste-to-energy facility
- Evaluated waste-to-energy technologies
- Determined attributes that characterize an advantageous site location
- Developed and applied an economic model to project required tip fees
- Prepared an implementation plan



PROJECT REFERENCES:

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Commission
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ARI, teamed with a local consultant, conducted a waste-to-energy feasibility study for a 500-TPD facility to serve the Tri-County Solid Waste Management Commission (Benton, Sherburne and Stearns Counties, MN). ARI completed evaluations of mass-burn and refuse derived fuel technologies, and guided site evaluations conducted by others. Three technology/site combinations were recommended for further consideration. For these three options, ARI prepared budgetary cost estimates (construction, operation and maintenance), developed a financial

model using the cost estimates as input values, and calculated total present value cost and required tip fee for each option. Finally, ARI conducted a number of economic sensitivity analyses to determine the impact on the projected tip fee resulting from changes in key input parameters. ARI also qualitatively addressed the issue of public or private ownership. ARI prepared an implementation plan and schedule, identifying short-term and long-term actions for project development. ARI presented the results of the feasibility study to the Commission.

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