

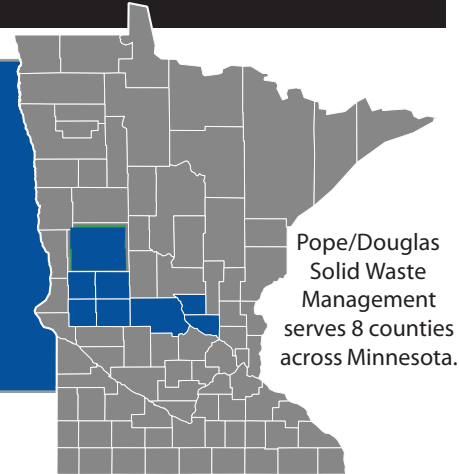
Campus Expansion and Site Renovation

We are looking for your support to create a unified waste recovery and recycling system to meet the needs of 8 counties well into the future.

Pope Douglas Solid Waste, located in Alexandria, MN, provides recycling services and household hazardous waste collection to Pope and Douglas counties and processes garbage from *eight* counties in Greater Minnesota.

The facility receives over **80,000 tons** of garbage and recycling per year and produces clean renewable energy at its Waste to Energy facility for 3M, Alomere Hospital and Alexandria Tech and Community College.

The facility has grown substantially since its original operation in 1987 and the site is very congested with no room for expansion and has daily exposure to safety risks.



Concerns with Current Operation

Concern #1: Site Congestion

- Traffic is very congested
- Many building expansions over the years
- Receive over 60 garbage trucks and over 150 cars per day



Concern #2: Household Hazardous Waste Area & Recycle Center

- Designed to handle less than 1,000 customers in 1993
- In 2018, serviced 36,000 customers
- Changing methods of processing have increased need for additional storage, processing and queuing space
- Not able to currently accept Business Haz Waste due to space limitations
- Not able to currently accept certain hazardous items due to inadequate space or facility design
- Limited product reuse area

Concern #3: Tipping Floor at Material Recovery Facility

- Designed to accept less than 1/3 of current incoming waste
- Only 1 day worth of storage capacity
- Interferes with ability to separate trash and other materials properly
- Needs to be expanded to allow more access and flexibility to process waste more efficiently and safely

Concern #4: Material Recovery Facility

- Screening and separation systems are worn out after over 17 years of use
- Equipment is limited in having the ability to only sort cardboard and metals
- Equipment is not easy to maintain and is squeezed into a small area
- Existing equipment and layout does not have flexibility built in to allow for additional equipment to be added

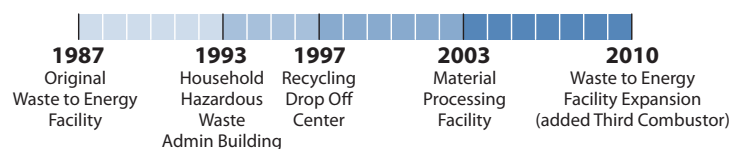
Total Grant Request
\$8.25 Million

Check out our vision



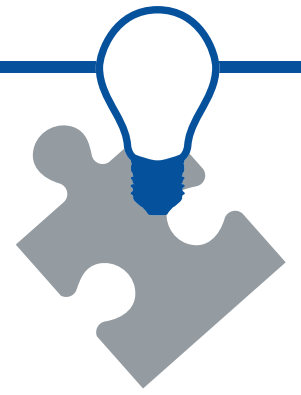
popedouglasrecycle.com

Growth Timeline



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Our Solution to **Put Waste in its Place!**



Recycling, HHW, Reuse and Education Center

Project Scope

- Construct a permanent climate controlled household hazardous waste and recycle facility to serve Pope and Douglas Counties.
- Current facility is severely undersized for the material accepted and vehicles served.
- The current combined facility is 3,200 square feet and serves 24% of the two-county population. The new facility would be 10,000 square feet to better align with HHW facilities throughout the state with similar usage levels.
- The facility is in agreement with our solid waste plan.
- The advanced recycling/reuse/education center will continue traditional recycling needs and develop recycling opportunities for niche materials and problem items.
- Separate entrances to keep truck/commercial and household/residential traffic separate.
- Will allow for relocated truck scale and scale house to queue up trucks.

Details

- Tons to be Processed: 550 currently and projected to expand to 2,000 tons with addition of niche/problem materials drop-off and recycling. Additional opportunities with site build out flexibility to meet future needs.
- Heated and Powered with clean renewable energy.
- Operating Capacity: 2,000 tons per year

Materials Recovery Facility Expansion & Renovation

Project Scope

- Construct a transfer station and material recovery facility in front of the existing Waste-to-Energy (WTE) facility.
- Current processing facility in front of the WTE facility has a low recovery rate and is in need of a major equipment upgrade.
- The current facility processes 85 - 90% of incoming MSW and has a recovery rate of 2.5%. The upgraded facility would have an estimated recovery rate of over 8% and have the ability to recover source separated organic materials that are co-collected with MSW. The equipment will also be able to recover additional plastics and problem materials.
- Allow flexibility to process from zero up to 18,000 tons per year of Single Sort Recycling (Curbside Collected Material) that is produced in the local region.
- Design for the recovery of Source Separated Organics that is co-collected with MSW.
- The facility is in agreement with our solid waste plan.
- Multiple counties already partner/contract with Pope/Douglas for the processing of their MSW.
- Project will be supported by tipping fees, recovered material sales and solid waste fees.

Details

- Tons to be Processed: 72,000 and recovering 5,700 tons of recycled material, not including organics. (An increase of 4,000 tons)
- Operating Capacity: 72,000 tons per year

