



# Fairbanks North Star Borough Department of Public Works

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## MEMORANDUM

TO: Recycling Task Force

FROM: [Randy Johnson, Deputy Director](#)  
FNSB Public Works Dept.

DATE: **September 12, 2006**

SUBJECT: [FNSB Recycling Program Executive Summary](#)

The following is a summary of the proposed Fairbanks North Start Borough Recycling Program developed from meetings of the Recycling Task Force:

1. The Borough will continue the current Recycling Program. Current program costs approximately \$500,000 per year.
2. Program expansion will include voluntary source separation of recyclables by residents.
3. Borough residents shall be responsible for separating 4 to 5 items prior to delivering to collection sites within the Borough. The 4 to 5 items will be determined by the current market values but will include paper, paper products, mixed plastic, and aluminum.
4. The Borough will have collection sites at the 5 largest transfer sites, )Farmer's Loop East, Farmer's Loop West, Chena Pump, North Pole and Badger Road), the Solid Waste Landfill, and two mobile trailer locations within the City of Fairbanks. The transfer stations will have a separate fenced area with 5 bins labeled for specific recyclable products. The transfer stations will remain un-manned.
5. Materials collected at the transfer sites will be transported to the landfill per a private collection service. Anticipate 1 full time truck dedicated to collection of recyclable materials at the 5 transfer sites.
6. The landfill baler building current paper collection area will be renovated to provide a heated work space for processing recyclables with in-floor conveyor system, baler, loading dock, etc.
7. The recycling program will require new equipment including, front end loader, forklift, pick-up truck, 3 Geneva Trailers, 25 dumpster bins, and 8 employees.
8. The initial projected tonnage of recyclables collected will be approximately 4,200 tons. 2,118 tons from Transfer sites, 65 tons from Self Haul, 1,875 tons from EAFB, 42 tons from UAF, 53 tons from Fort Wainwright, and 74 tons from City of Fairbanks.
9. The current cost of shipping recyclable bales to Seattle is approximately \$70 per ton.
10. The anticipated capital cost for the program will be \$2,500,000. The Task Force recommends bonding the capital infrastructure costs at a cost of approximately \$250,000 per year (20 year term at 6%).

11. The anticipated additional operating cost for the new portion of the program will be approximately \$600,000 per year.
12. The Recycling Task Force recommends creating an Area-Wide Solid Waste Recycling Enterprise Fund to fund the recycling program. The total yearly cost for the program will be approximately \$1,350,000 (program expansion operating cost \$600,000, existing program cost \$500,000, and capital debt payment \$250,000). This will require a mill rate of approximately .17 mills, (based on area wide property value of \$8.0 billion dollars).
13. Creating a new recycling enterprise fund with an anticipated mil rate of 0.17 mills requires an Area-Wide public vote.