What's best way for Oakland to recycle paper?

Second in a series on the Oakland County solid waste plan. The writer is a member of the County Act 641 Committee studying the proposal and these are her views.

By NANCY KOURTJIAN

Recycling — making new paper from old — makes sense. Processing used paper fibers, gleaned from household and commer-

gleaned from nousehold and commer-cial waste, consumes less energy than making new paper from virgin wood. Economically, when it costs us more to bury paper in scarce landfills than to separate and recycle it, then we will recycle page.

recycle paper.
But there's a twist: Paper can also be

But there's a twist: Paper can also be a fuel.
How much paper will be needed to fuffill the requirements of the proposed Oakland County energy recovery facility? Would the energy and/or money we sake justify removing paper from the rest of the garbage?
What is the best way to separate paper?

ENERGY AND cost trade-offs will determine these choices for the Oak-land County Solid Waste Planning Committee and the county staff. A 20-year plan must be ready for the County Board of Commissioners next Decem-

ber. Regarding garbage quotas, Milton Handorf, Oakland's director of public works, indicated only 40 percent of the total waste stream will be needed. This would provide enough waste to efficiently operate the energy recovery incinerators planned for Pontiac, Wixom and Rochester.

Thus, individual companies could re-Thus, individual companies could re-move newspapers before their waste is sent to county facilities and sell them to companies such as Royal Oak Waste Paper and Metal Co. Dennis Benson of Royal Oak quoted a current paper price of \$20 a ton, deliv-

learn

by the

method

at the **French Institute**

of Detroit

register now

french

Alliance Française

exclusively taught

rend. Beason foresees a stable market for the next two years.

WHETHER IT'S done on countywide for town-by-town, paper recycling should be backed by a long-term cortext with a company willing to buy this valuable resource at a price that hance the nords.

for the next two years.

WHETHER IT'S done on countywide or town-by-town, paper recycling should be backed by a long-term contract with a company willing to buy this valuable resource at a price that balances the costs.

Once the county has a guaranteed market, a method of source separation must be chosed. There are two options:

1) a curbside system that palls out paper at the source, and 2) a centralized, mechanical separation operation at a city or county facility.

Flakt, a, company based in Stockholm, Sweden, has asked the county to consider its 2-R air classification system. This "Resource Recovery from Herius" process uses air and mechanical equipment to separate paper, glass wastes. Suited to modular units, it handles six tons an hour.

The trash is blown and flailed

wastes. Suited to modular units, it han-dles six tons an hour.

The trash is blown and flailed through various cylinders and contain-ers. Magnets remove ferrous metal, and gravity pulls out the other, heavier materials.

materials.

The remaining lighter materials are forced through openings of various sizes. This separates plastics, organics and paper. The paper is flash-dried and divided into higher and lower quality pulps, which are then baled.

THE SWEDISH firm claims its flail

THE SWEDISH firm claims its flail mill operates more effectively than the hammermills used in U.S. classifiers and uses 90 percent less electricity. Flakt designed and built Europe's first full-scale material resource recovery facility in Wijster, a tiny town in the north of the Netherlands. This commercial operation uses all separation to recover 71,000 or the 137,000 tons of domestic waste processed yearly, including 18,000 tons of paper and 44,000 tons of compost.

The large quantity of compost may

DOO-IT YOUR WAY

AT THE HANDYMAN'S HAVEN

FORMICA PARSONS TABLES

YOU CHOOSE THE SIZE YOU CHOOSE THE COLOR WE DO THE WORK

0x48x30. . . . **\$205.00** 4x24x18. . . . **\$117.00**

COMPARE PRICES

HOURS: MON. THUR., FRI. 10-9 TUES., WED. 10-6 SAT. 9-5

Would the energy and/or money we save justify removing paper

A Public Service Announcement

FOR PET OWNERS

vers paper and shows a net energy

vers paper and submit of the gain.

Nonetheless, there are serious drawbacks to air classification systems, especially when used with shredders to make refuse-derived fuel. Plagued by explosions and frequent shutdowns,

Serious problems with air/shredder

operations such as Toronto's are "run of the mill," said Milton Handorf. Therefore, the worth of resource and energy recovery using mechanical sep-

aration may be much less.

"Flakt will have to research the markets for recovered materials in Oakland County and prove their system works before the committee and staff would consider the proposal," Handorf said.

THE OTHER alternative is curbside

This has been tried in many communities with varied success. In Grand Rapids, Revole Unlimited formerly served 4,000-5,000 homes collecting parer, glass, metal and plastic. Due to high fuel costs and other financial difficulties, it now picks up from only 500 families.

Employees are paid, but the opera-tion does not break even, said Bill Mulder, director of Recycle Unlimited. There are also many collection sites in Grand Rapids where recyclable items may be dropped off.

Éverything you need

paper.

By comparison, in the United States,
33 percent of the total solid waste is
paper or cardboard.

ANOTHER FLAKT plant, formerly a demonstration model in the Stock-holm municipal incinerator facility, now operates commercially in Japan. Clearly, efficient waste disposal is far more critical and immediate to the

far more critical and immediate to the Dutch and Japanese, both highly indus-trialized countries with limited land areas, than to us. Moreover, Europe imports most of its fuel, and it faces a shortage of paper fibers in the mid-1980s — a double in-centive toward a system which reco-

PLYMOUTH

TOWNE APARTMENTS.
Enjoy healthy independence in this beautiful new complex.
One and two bedroom apartments for

- Senior Citizens including:

 Transportation

 Optional social activities

 Medical security
- Two meals
- Housekeeping services

• Linens
OPEN 9-5 DAILY
12-3 Sat. & Sun.
Now Taking Reservations
Call or visit



nergency care for your pets ty be needed at any hour of day, night, weekends or hol-ty. The Animal Emergency om can provide that service. ANIMAL EMERGENCY ROOM 24423 Grand River (just West of Telegraph) 255-2404

Getting settled made simple.

New-town dilemmas fade after a WELCOME WAGON call.
As your Hostess, it's my job to help you make the most of your new neighborhood. Our shopping areas. Community opportunities. Special attractions. Lots of facts to save you time and money. Plus a basket of gifts for your family. I'll be listening for your call.



CALL

356-7720

HERALD WHOLESALE is TAX DEDUCTIBLE

A SENTRY FIRE SAFE from

PUBLIC WELCOME

if you lose your tax and income records in a fire...not it happens to hundreds of people every day...you could get hurned bad when tax-line comes around. Protect these records and other valuables in a Sentry Fire Safe. It TAX DEDUCTI. BLE. Sentry Home/Office safes carry Underwriter's Laboratories labels. They've proven their ability to safeguard records against fire and explosion. Has drawer, "changeable 3-number combination lock, wheels. Size 24*1 x 17%" W x 17%" D. Ideal for home and small business.

\$44454



SHOWN

\$15**9**62

Msentr<u>i</u>

We carry a full line of Builders and Specialty Hardware, Appliances, Cabinets, Windows, Doors, everything for the

PHONE 398-4560

20830 COOLIDGE, OAK PARK 2 DOORS NORTH OF 8 MILE

Inglander's Furniture Warehouse EARANCE CENTER Everything 1/2 off ONE DAY SĂLE (And More!) SATURDAY, MARCH 14 10 a.m. - 5 p.m.

3742 W. 12 MILE

During the 7 Hour Sale at Englander's Clearance Center, you'll find the best names in furniture, for ½ off and more!

Choose from an incredible selection of merchandise, all from our regular stores; One-of-a-kinds, floor samples, cancellations, slightly damaged and discontinued items.

All items sold as shown. No layaways. All sales final. All items subject to prior sale. 1/3 deposit is required. All items must be delivered or picked up by March 28th. Take with to save delivery charges.

Sofas • Bedroom & Dining Room Groups • Sleepers • Modular Groups • Occasional and (mported Tables • Wall Units • Bookcases • Lamps • And more... Both traditional and contemporary.



Campaign style youth bedroom group in pecan finish.

From \$89 per piece

Henredon Scene I Bedroom. Double dresser, storage headboard, island bed and 2 nite stands. Reg. \$3,219

Sale \$**1,599** (2 to sell)

ó piece light oak contemporary dining group. (Table, china, 4 chairs.) Additional chairs available. Reg. \$2,399

Sale \$1,099

Sleepers—Contemporary and Traditional, Full or Queen size, Reg. \$810-\$910

Sale \$399.\$499

Wall systems, Etageres, Bookcases.

From \$99 per piece

Ficks Reed Rattan, 1981 Factory Showroom samples 60% OFF

Occasional tables from Drexel, Thomasville,

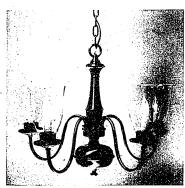
Henredon, Hekman and Weiman. 50%-70% OFF

Sofas and loveseats Reg. \$650-\$1,450

Sale \$249-\$699

Also available: sectionals, pit groups and chairs at ½ off and more. Thayer Coggin, Flair, Drexel, Henredon, Heritage, Century, Selig.

Why Michigan Chandelier?



Why us? Because we provide what every discriminating home owner looks for — beauty plus sound value. At Michigan Chandelier we supply everything available in fine lighting at competitive prices. Visit our showrooms, meet our trained lighting experts, view our selection of lighting from around the world.

Why us? Beauty plus value - that's why!

Fixture shown is \$195.

Michigan Chandelier Co. 1 . . . you'll see us in a better light