

Solid Waste Alternatives Program Report to the Legislature

Authorized under Public Act 275, Fiscal Year 2000-2001, appropriations for the Department of Environmental Quality, Section 902: The Department shall provide a report by September 30, 2001 to the House and Senate Appropriations Subcommittees on Environmental Quality, and the House and Senate Fiscal Agencies that summarizes the projects awarded, and related expenditures under the Solid Waste Alternatives Program portion of the Environmental Protection Bond Implementation of the Natural Resources and Environmental Protection Act, 1994, PA 451, MCL 324.101 to 324.90106. The report shall include an assessment of the accomplishments of the Solid Waste Alternatives Program and its components.

September 30, 2001

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Executive Summary

In November of 1988, voter approval of the Quality of Life Bond proposals authorized \$150 million, in the form of grants and loans, to be made available to both public and private entities, to help reduce the amount of solid waste disposed of in Michigan landfills. The grants and loans for the operation and funding of the Solid Waste Alternatives Program (SWAP) were authorized under the Environmental Protection Bond Implementation Act, 1988 PA 328 (Act 328), now Part 195*, Environmental Protection Bond Implementation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA). The intention of the SWAP was to make grants and loans available to public and private entities to develop and maintain projects that diverted or assisted in diverting solid waste from Michigan sanitary landfills and incinerators. The goals of SWAP funded projects were to benefit the environment, provide jobs, save energy, and decrease Michigan's dependence on landfills.

The SWAP funded projects made the general public, private industry, and local governmental bodies throughout Michigan more aware of their responsibilities to safeguard the environment through proper management of solid waste and provided the equipment, technology, and expertise to accomplish that goal. Many of these projects would not have been undertaken without the technical and monetary support from the state.

The 295 funded SWAP projects have diverted over 6.7 million tons of solid waste from Michigan disposal areas. The SWAP Landfill/Dump Closure projects provided funds to close and properly cap 69 unlicensed, unregulated county and municipal dumps. As a result of the state's campaign to close all the remaining open dumps in the state, the remaining unlicensed dumps ceased operations as alternate disposal options became available. Additional SWAP funds were provided to construct transfer stations, in many cases, to replace the illegal dumpsites.

The SWAP funded the establishment of recycling collection areas, material recovery facilities, processing plants, and composting sites for the efficient transportation, reclamation, recycling, and proper disposal of solid waste. Composting projects operated by major public and private entities resulted in the conversion of over 789,000 tons of yard clippings into compost. Although impossible to measure in aggregate, the contributions of backyard composting operations have also resulted in significant decreases in the volume of the solid waste stream needing disposal and in a reduction of air pollution from open burning.

The SWAP encouraged the formation of a statewide infrastructure for the collection and distribution of recyclable materials such as cardboard, old newspapers, mixed office waste, plastic containers, etc., for reuse and/or

remanufacturing into new products. Recycling-Collection/Processing projects resulted in the diversion of 1.7 million tons of materials from landfills and incinerators. Six model Clean Michigan Communities (CMC) were established and these projects recycled 231,000 tons of materials. Market Development projects diverted another 3.5 million tons of waste by creating markets for materials that otherwise would have been discarded.

The SWAP removed household hazardous waste from disposal in landfills and incinerators and redirected this waste for proper, environmentally sound disposal. Approximately 3,000 tons and 670,000 gallons of household hazardous waste consisting of pesticides, used oil, herbicides, flammable liquids, oil-based and latex paints, solvents, aerosol cans, household batteries, etc., have been either recycled or properly disposed of through the Household Hazardous Waste Center projects. In addition, approximately 9,200 automobile (and other vehicle) batteries were collected.

The program also funded the creation of new products made from recycled materials and the establishment of markets for these products. The SWAP projects increased domestic employment opportunities for the people of Michigan. The expansion of recycling, composting, resource recovery operations and the creation of new products from recycled materials encouraged by SWAP have created additional opportunities for employment since the program's inception. According to "Michigan Recycling Measurement," a recent publication of the Michigan Recycling Coalition (MRC), recycling processing in Michigan resulted in an estimated 5,700 jobs and approximately \$243 million in wages in 1999.

In addition, the knowledge and experience gained from SWAP projects is available to be exported to other states and countries. The SWAP has accomplished the goal of reducing Michigan's dependence upon sanitary landfills and incinerators for solid waste disposal as outlined in Michigan's 1988 Solid Waste Management Policy and, in the process, resulted in improving the environment.

Of the \$150 million authorized for the SWAP, just under \$112 million was expended for grants, loans, and administrative costs to run the program. Through Public Act 380 of 1996, the Legislature amended Part 195 to transfer the remaining funds in the SWAP program to the Cleanup and Redevelopment Fund created in Section 20108 of Part 201, Environmental Remediation, of the NREPA. This transfer of funds is set forth in Section 19507(1)(b) of Part 195.

*Throughout this document references to Act 328 will be replaced by Part 195.

I. Background

On May 26, 1988, the Michigan Natural Resources Commission (NRC) adopted a Solid Waste Management Policy (Policy) for the state of Michigan. The overall objective of this Policy was to significantly reduce the amount of solid waste disposed of in Michigan landfills and to ensure the proper disposal of waste that is landfilled by promoting programs involving waste reduction, reuse, composting, recycling, and incineration with energy recovery.

In November of 1988, voter approval of the Quality of Life Bond proposals authorized \$150 million, in the form of grants and loans, to be made available to both public and private entities to help reduce the amount of solid waste disposed of in Michigan landfills. The grants and loans for the operation and funding of the SWAP were authorized by Part 195. A copy of Part 195 is located in Appendix A. The intention of SWAP was to make grants and loans available to public and private entities to develop and maintain projects that diverted or assisted in diverting solid waste from Michigan sanitary landfills and incinerators. The goals of SWAP funded projects would be to benefit the environment, provide jobs, save energy, and decrease Michigan's dependence on landfills. The grants and loans would be matched by funds provided by the applicant depending on the type of project funded as outlined in the provisions of Part 195. The SWAP was initially administered by the Solid Waste Alternatives Program Unit, Resource Recovery Section, Waste Management Division, Department of Natural Resources (DNR) through the Solid Waste Alternatives Program Administrative Rules promulgated under Part 195. In 1995, pursuant to the Governor's Executive Order 1995-18, this duty was assumed by the Department of Environmental Quality (DEQ). The SWAP is currently administered by the Solid Waste Management Unit, Solid Waste Section, Waste Management Division (WMD), DEQ.

A. SWAP Eligibility

The SWAP Administrative Rules (Appendix B), the SWAP Emergency Administrative Rules (Appendix C), and Part 195 set forth project categories and eligibility requirements for the program. The SWAP applicants were limited to local units of government or private entities including non-profit organizations. The projects, except for landfill/dump closures, were required to be located in a Michigan county with a Solid Waste Management Plan approved pursuant to Part 115, Solid Waste Management, of the NREPA. Only new projects, or new components of projects funded previously through 1986 PA 249, as amended (Act 249), known as the Clean Michigan Fund Act (Appendix D); projects which addressed solid waste as

defined in the Solid Waste Management Act, 1978 PA 641 (Act 641), now Part 115; household hazardous waste projects; or resource recovery projects were eligible. Except for the CMC category, the applicant was required to commit matching funds for the project in order to be eligible. An individual project could be funded by either a grant or a loan, but not by the combination of a grant and a loan.

B. SWAP Review and Evaluation Process

The evaluation of grant and loan applications, from the beginning of the SWAP in 1989 until 1995 when funding discontinued, was carried out by DNR (now DEQ) staff in the SWAP Unit, the Department of Commerce staff, who evaluated the financial information of loan applications and private sector grant applications, and the SWAP Advisory Panel. The SWAP Advisory Panel made funding recommendations to the NRC, and the NRC made the final funding recommendations to the Legislature. The Legislature appropriated funds for the NRC-approved projects.

The SWAP Advisory Panel was an eleven-member panel established under Act 249. The SWAP Advisory Panel was chaired by a member of the NRC and included one member of the public appointed by the Governor. The remaining positions on the SWAP Advisory Panel were appointed at the discretion of the Governor, the Speaker of the House of Representatives, and the Majority Leader of the Senate to represent the following: (a) municipalities; (b) non-profit entities and private entities engaged in resource recovery alternatives; and (c) conservation or environmental organizations. All applications were reviewed by the SWAP Advisory Panel except Solid Waste Transfer Station construction projects, which were reviewed by the DEQ staff only. Funding recommendations made by DEQ in the Transfer Station construction category were presented directly to the NRC.

Applications were reviewed by the DEQ staff to make sure that the application was complete and met the requirements of the SWAP Administrative Rules and enabling legislation. Staff also evaluated all information provided in the application to make a determination of eligibility and to identify application strengths and weaknesses. An example of the Grantee's Handbook and application instructions are included as Appendix E and F.

After a thorough review of each application, the DEQ staff developed a written evaluation of the project and made an initial funding recommendation to the SWAP Advisory Panel. The SWAP Advisory Panel reviewed the project evaluation prepared by the DEQ staff, the

financial evaluation, the application, and the initial funding recommendation. Then, the SWAP Advisory Panel and the DEQ staff met and discussed each application.

After completion of their review, the SWAP Advisory Panel provided each applicant with a written project evaluation and notified qualified applicants of the initial funding recommendation. The SWAP Advisory Panel also identified those applications with merit, but containing weaknesses that prevented recommendation for funding, and instructed those applicants on how to prepare supplemental materials to address those concerns. The applicants then had thirty days to submit the supplemental materials to the DEQ staff for consideration. The DEQ staff incorporated the additional data into its project evaluation and presented the corrected evaluation to the SWAP Advisory Panel for reconsideration.

Prior to the DEQ staff and the SWAP Advisory Panel making a final funding recommendation to the NRC, the applicants were given an opportunity to make a brief presentation regarding their application to DEQ staff and the SWAP Advisory Panel at an open meeting.

Final SWAP Advisory Panel and DEQ staff funding recommendations were then presented to the NRC after the open meeting. The NRC made the final determination as to which grant or loan proposals from each category would be submitted to the Legislature along with a request for appropriation of funds. The appropriated funding became available for use in the approved projects at the beginning of the next fiscal year.

In 1995, the evaluation and decision-making process was altered during the reorganization of the DNR and the establishment of the DEQ under the Governor's Executive Order 1995-18. The Governor's earlier Executive Order, 1991-31, had already dissolved the SWAP Advisory Panel and created the SWAP Advisory Group. The SWAP Advisory Group members consisted of representatives from local units of government; public and private sector recycling experts; and the general public invited to serve from fiscal year to fiscal year by the Chief of the WMD. The SWAP Advisory Group and WMD staff followed the same evaluation procedure outlined above. In addition, the SWAP Advisory Group now made funding recommendations directly to the DEQ Director rather than the NRC. Executive Order 1991-31 also gave the Director the authority to make the final determination as to which grant or loan proposals from each category would be submitted to the Legislature along with a request for appropriation of funds. The appropriated funds became available for use in approved projects at the beginning of the next fiscal year.

C. Program Contract Obligations

Successful applicants (grantees and loan recipients) were required to sign a contract with the state of Michigan, which detailed the grantee's responsibilities and the DEQ's responsibilities for the funded project. All statutory and rule requirements were incorporated into the contract. Once a contract was executed, funding was made available on a cost reimbursement basis. A copy of a typical contract is included in Appendix G. Important provisions of the basic contract included:

- The original application for funding became an appendix to the contract. The goals, budget, timetable, methods, etc., described in the application became part of the contract and could only be changed upon DEQ approval.
- The amount of the grant award was fixed. The grantee was responsible for all project cost overruns.
- The contract outlined the amount of the grantee's matching funds.
- The contract outlined grantee responsibilities, which were discharged over two different time periods. The project period (financial reimbursement) was the period during which all project tasks, as identified in the project timetable, were to be completed. All the expenditures listed in the project budget were made during this phase. The project period was typically one year long, however, extensions were granted as circumstances dictated.
- The contract period (operational) was the period during which the grantee is under contract. During this period, the grantee was obligated to maintain and operate the project, submit annual project performance reports to the DEQ, and obtain DEQ approval for the sale or transfer of any the SWAP-funded assets. The typical contract period was ten years for projects that involved the purchase of equipment or structures but was less for non-capital projects.
- The DEQ maintained a security interest (as the first secured party) in any equipment or structures purchased with grant or loan funds until all the grantee's contractual obligations were met. The grantee was required to file and keep current a Uniform Commercial Code-1 form on each piece of grant funded equipment with the Michigan Secretary of State.

- All equipment, structures, or other non-disposable items were to be used in Michigan, exclusively for the purposes stated in the contract, for ten years or the life of the item, whichever is less.
- The grantee could not sell, trade, or give away equipment or structures purchased with state funds without prior written authorization from the DEQ while they are under contract. Seventy-five percent of the net proceeds of any such sale of grant funded equipment had to be returned to the DEQ.
- The grantee was bound to comply with all the project reporting requirements of the DEQ.
- The grantee was required to obey all applicable state, federal, and local laws, rules, and regulations in the implementation, and operation of the project. The grantee was obligated to use only licensed facilities for disposal of its solid waste.
- The contract also detailed the process by which grant or loan funds were paid to the grantee.
- The contract required the grantee to provide the name of the grantee's authorized contact representative responsible for the day-to-day administration of the project.
- The contract also contained provisions tailored to the funding category in which the award was made.

The SWAP funding awards were made on a cost reimbursement basis where the grantee would acquire the equipment, services, and/or structures outlined in the contract and request reimbursement from the DEQ for the expenses. At that time, the grantee would provide documentation confirming the purchase and cost. Reimbursement was provided for the approved expenses less the percentage of matching funds required from the applicant. Ten percent of the grant or loan award was withheld until a site inspection was completed, a financial audit of the project files was performed by the DEQ's Office of Internal Audit, and project completion was certified. The certification of project completion verified that both the grantee's and the DEQ's contractual obligations for the project period had been discharged and marked the beginning of the contract period of the grant, also known as the operational period.

II. Summary of Projects

A. Project Categories

Landfill/Dump Closure (CLS)

In 1978, the Legislature passed Act 641 to regulate the siting and operation of disposal areas in Michigan. Act 641 became effective in 1979 and Act 641 Administrative Rules were promulgated in 1982. As a consequence, many municipal landfills and dumps were forced to cease operations because they were unable to comply with the new regulations. Although many of the over 200 municipal dumps operating in the state closed after the enactment of Act 641, approximately 90 dumps and unlicensed landfills were still operating in 1988. The SWAP grants were used to provide municipalities with funds to close the local, unlicensed landfills and dumps. Under the provisions of Part 195, the amount of a SWAP grant or loan per single landfill or dump closure could not exceed \$600,000.00. The total amount of all SWAP grants or loans for closures was limited to no more than \$20,200,000.00.

Clean Michigan Communities (CMC)

Part 195, authorized the creation of the CMC grant category for recycling (collection and processing), composting, and associated education. Six models – two large communities (population over 50,000), two medium communities (population between 5,000 to 50,000), and two small communities (population under 5,000) were authorized.

The major objectives for the CMC project were to:

1. Provide model recycling, composting, and education programs for local officials to observe.
2. Build acceptance of recycling and composting as a community waste management option.

The CMC project was an opportunity to comprehensively demonstrate a variety of equipment, methods, systems, record keeping, and education approaches in six different demographic settings. The use of a mix of technologies suited to the needs of each CMC community would allow other communities to pick and choose those pieces of the program that best fit their situation. The Legislature appropriated \$10,000,000.00 in SWAP funds for the CMC projects. These funds were earmarked to provide direct capital grants to the six CMC

communities for recycling and composting equipment, and for educational/promotional materials and expenses incurred in starting the programs.

Composting Project (CP)

This category entailed projects in which yard waste was converted into humus through natural biological processes or were diverted from open burning, landfilling, or solid waste incineration by other processes. Yard waste includes leaves, grass clippings, vegetable and other garden debris, shrubbery, brush or tree trimmings less than four feet in length and two inches in diameter, and vegetable food waste. Yard waste does not include stumps, agricultural wastes, animal waste, roots, sewage sludge, or garbage.

A composting grant was limited to \$250,000.00, and a composting loan was limited to \$500,000.00. In addition, the area to be served by the composting project was required to place a ban on the landfilling of leaves and yard waste and a ban on the burning of leaves and yard clippings prior to entering the grant or loan contract.

Resource Recovery Education (ED)

This category funded education programs that directly promoted the use of an existing or planned local recycling or composting project. This included salaries, permits and fees, materials and supplies related to the project (except office supplies), costs associated with marketing presentations such as travel, costs related to the development and production of the material (such as design, printing, and copying), and costs related to the circulation of the educational and promotional material such as postage. All education materials developed with grant funds were approved by the DEQ prior to printing or distribution. The amount of an ED grant was limited to \$50,000.00 and an ED loan to \$100,000.00.

Household Hazardous Waste Center (HHWC)

Under this category, funding was available for equipment, structures, materials, supplies, and operating expenses, including the cost of transporting and disposing of household hazardous waste for projects that established long-term, ongoing collection and proper disposal of household hazardous waste. All household hazardous waste would be transported by a licensed transporter to a licensed disposal facility

under applicable state and federal laws. Section 11103 (3) of Part 111, Hazardous Waste Management, of the NREPA, defines hazardous waste as:

Waste or a combination of waste and other discarded material including solid, liquid, semisolid, or contained gaseous material that because of its quantity, quality, concentration, or physical, chemical, or infectious characteristics may cause or significantly contribute to an increase in mortality or an increase in serious irreversible illness or serious incapacitating but reversible illness, or may pose a substantial present or potential hazard to human health or the environment if improperly treated, stored, transported, disposed of, or otherwise managed. Hazardous waste does not include material that is solid or dissolved material in domestic sewage discharge, solid or dissolved material in an irrigation return flow discharge, industrial discharge that is a point source subject to permits under section 402 of title IV of the federal water pollution control act, chapter 758, 86 Stat. 880, 33 U.S.C. 1342, or is a source, special nuclear, or by-product material as defined by the atomic energy act of 1954, chapter 1073, 68 Stat. 919.

The amount of an HHWC grant was limited to \$100,000.00, and a loan was limited to \$150,000.00 for a single HHWC project.

Market Development (MD)

This category provided funding for projects that resulted in the increased use of recycled materials in the manufacture of a marketable end-product, or the intermediate processing of materials for an end-market using proven technologies. With the exception of utilizing scrap tires for energy recovery, projects that involved the preparation of materials for use as any type of fuel, including refuse-derived fuel or waste-to-energy fuel, were ineligible under this category. The maximum amount of grant or loan funding for a single MD project could not exceed \$5,000,000.00.

Market Development Research and Demonstration (MDRD)

MDRD projects were to develop methods to increase the processing or use of solid waste bound for landfills or incinerators in the manufacturing of products. The proposed projects were required to research and/or demonstrate the potential of a significant market for materials that were currently disposed of in landfills or incinerators. With the exception of utilizing scrap tires for energy recovery, projects that involved the preparation of materials for use as any type of fuel, including refuse-derived fuel or waste-to-energy fuel, were ineligible under this category. The maximum amount of grant funding could not exceed \$250,000.00, and the maximum loan amount could not exceed \$500,000.00 for a single MDRD project.

Marketing Project (MP)

This category provided funding for projects that marketed or determined the marketability of products manufactured from a minimum of 50 percent waste materials that would otherwise be disposed of in landfills or incinerated, projects that marketed or determined the marketability of a product manufactured from scrap tires, or projects that marketed or determined the marketability of using scrap tires, for energy recovery. MP grants were limited to \$50,000.00 and MP loans to no more than \$100,000.00 per project.

Recycling-Collection/Processing (RP)

RP projects provided funding for the collection and/or processing of recyclables for conversion into raw materials or products. Priority was given to projects that resulted in the diversion of materials that were not currently being recovered or were not likely to be recovered without the project. These projects were required to collect and process recyclables generated in Michigan even if the grantee had to pay up to 110 percent higher costs for the Michigan recyclables. With the exception of utilizing scrap tires for energy recovery, projects that involved the preparation of materials for use as any type of fuel, including refuse-derived fuel or waste-to-energy fuel, were ineligible under this category. The amount of a recycling grant was restricted to not more than \$500,000.00, and the amount of a recycling loan was restricted to not more than \$1,000,000.00 per single project.

Statewide Project (SP)

This was a special category to fund projects that the DEQ identified as having the potential to affect the solid waste management needs of the entire state or a significant portion of the state or to assist the state in meeting the goals of the Policy. Funding limits for this category were not specified.

Transfer Station Construction (TSC)

This category funded the construction of transfer stations. As mentioned above, many locally operated landfills and dumps were closed because they could not meet the licensing and operating requirements of Part 115. In many cases, these facilities were replaced by transfer stations. The construction of some of these transfer stations was funded through the SWAP. Grants for individual transfer station construction were limited to \$200,000.00 and loans to \$500,000.00. The total funding for this category was limited to \$8,400,000.00.

Waste Reduction Research and Demonstration (WRRD)

Funding was available for equipment, materials, supplies, and operating expenses, including salaries, for research and demonstration projects that focused on source reduction or on-site recycling to reduce the amount of the solid waste stream at the source of generation. The amount of a WRRD grant could not exceed \$250,000.00. The amount of a WRRD loan was restricted to \$500,000.00.

Waste-to-Energy (WTE)

This category provided funding for incinerators that had recycling and composting programs and household hazardous waste centers in place in the area served by the incinerator to install air pollution control equipment and/or to establish ash reuse or recycling. A single project grant or loan could not exceed a \$5,000,000.00 funding limit. The total amount of all grants or loans for WTE projects was not to be more than \$15,000,000.00.

Loans

As noted above each category could be funded by a grant or through a loan. The application, evaluation, and award process was the same for a loan as it was for a grant. However, in the case of a loan, the DEQ acted much like a conventional lender. A loan agreement was entered into between the DEQ and the loan recipient. The term of a loan was not more than ten years or the life expectancy of the items purchased or structures built as part of the project, whichever was less. All loan recipients paid five percent interest annually on the outstanding debt. Loan funds were provided on a cost reimbursement basis, which meant that expenses were incurred (but not necessarily paid out) prior to the DEQ disbursing any loan funds. Loan contracts also contained language governing the recipient's financial operations, including restrictions on other loans and investments and stipulations regarding the recipient's minimum net worth, debt-to-equity ratio, working capital, salaries, and dividends.

B. Project Funding

As mentioned previously, Part 195 authorized \$150 million for the operation and funding of the SWAP. The following outline summarizes the grant and loan amounts and matching fund amounts allowed under Part 195 for the various project categories.

	<u>Required Maximum Grant Amt</u>	<u>Required Grant Match¹</u>	<u>Maximum Loan Amt</u>	<u>Loan Match</u>
Landfill/Dump Closures	\$600,000	10%*	\$600,000	10%
Clean Michigan Communities	#	N/A	N/A	N/A
Statewide Projects	##	##	N/A	N/A
Recycling (Collection/Processing) Projects	500,000	25%	1,000,000	10%
Composting Projects	250,000	25%	500,000	10%
Market Development Projects	5,000,000	25%	5,000,000	10%
Household Hazardous Waste Centers	100,000	25%	150,000	10%
Resource Recovery Education	50,000	25%	100,000	10%
Transfer Stations	200,000	25%	500,000	10%
Market Development Research and Demonstration Projects	250,000	15%	500,000	10%
Marketing Projects	50,000	50%**	100,000	10%
Waste Reduction Research and Demonstration Projects	250,000	15%	500,000	10%
Waste-to-Energy Projects	5,000,000***	25%	5,000,000***	25%

¹Matching funds must be expended on eligible grant or loan items.

*Until the SWAP Administrative Rules were promulgated on July 12, 1989, the program was operated under emergency rules which required a 25% match.

**25% match for the marketing of compost.

***Or 25% of total project cost, whichever is less.

#Determined by project size, applicant request, and DEQ recommendation.

##The type of project determined the amount.

The total amount authorized by the Legislature for the SWAP grants and loans was \$150,000,000.00. The total figure of \$158,804,626.00 listed on Table I not only includes the amount appropriated for grants and loans, but also the amount expended on salaries, administrative costs, etc. of operating the SWAP since 1989. While \$149,236,326.00 was appropriated for the SWAP grants and loans, only \$102,293,861.00 was actually expended on grant and loan projects. This lower figure resulted from projects that were canceled after funds were appropriated, as well as completed projects that came in under budget. Therefore, funds were “re-appropriated” as new projects were recommended. The total amount actually expended for the SWAP program was \$111,862,161.00 (\$102,293,861.00 for grants/loans + \$9,568,300.00 for administrative costs).

Table I SWAP APPROPRIATIONS AND EXPENSES BY FISCAL YEAR				
Appropriations Public Act	Fiscal Year	SWAP Grant/Loan Appropriations	SWAP Administrative Expenses	Total
180	1989	\$2,403,300.00	\$397,100.00	\$2,800,400.00
55	1990	\$41,075,826.00	\$960,600.00	\$42,036,426.00
194	1991	\$16,540,400.00	\$970,100.00	\$17,510,500.00
31	1991	\$5,739,700.00	\$0.00	\$5,739,700.00
160	1992	\$12,933,900.00	\$990,700.00	\$13,924,600.00
222	1992	\$0.00	\$0.00	\$0.00
222	1993	\$0.00	\$1,040,200.00	\$1,040,200.00
74	1993	\$19,863,200.00	\$0.00	\$19,863,200.00
353	1994	\$22,534,400.00	\$1,222,000.00	\$23,756,400.00
442	1995	\$13,968,900.00	\$0.00	\$13,968,900.00
265	1995	\$0.00	\$1,105,500.00	\$1,105,500.00
180	1996	\$14,176,700.00	\$0.00	\$14,176,700.00
110	1996	\$0.00	\$719,900.00	\$719,900.00
353	1996	\$0.00	\$0.00	\$0.00
319	1997	\$0.00	\$715,000.00	\$715,000.00
114	1997	\$0.00	\$0.00	\$0.00
113	1998	\$0.00	\$723,600.00	\$723,600.00
292	1999	\$0.00	\$723,600.00	\$723,600.00
Totals		\$149,236,326.00	\$9,568,300.00	\$158,804,626.00

As of the date of this report:

- 994 applications were received.
- 355 applications were approved.
- 60 projects were canceled by the recipients or the DEQ prior to funds being awarded.
- Funds were appropriated and awarded for 295 approved projects.
- All 295 approved projects have been certified complete as to financial status (project period).
- Of the 295 approved and funded projects, 205 projects are active as to contract status (contract period). Ninety projects have been closed, and the grantees are no longer under any contractual obligation to the state.

Table I-A lists the number of applications received and approved projects by entity, and Table I-B lists the number of applications received and approved projects by category. Table I-C lists the projects approved for grants but canceled prior to receiving funding. Table I-D lists the amounts and disposition of the funds appropriated by the Legislature to operate the SWAP from 1989 to 1996, when funding was discontinued. Table I-E lists the loans distributed under the SWAP.

Table I-A SWAP Projects by Entity

Project Entity	Applications Received	Approved Projects	Percent of Total Projects Approved	Amount Requested	Amount Approved and Expended*
Government Authorities***	37	17	5.76%	\$6,285,977.00	\$6,749,581.00
County	128	42	14.24%	\$12,944,659.00	\$4,779,368.00
City	164	44	14.92%	\$27,524,455.00	\$10,597,037.00
Other**	14	7	2.37%	\$962,745.00	\$91,697.00
Private Not-for-Profit	61	21	7.12%	\$3,866,536.00	\$955,492.00
Private-for-Profit	384	66	22.37%	\$278,632,663.00	\$63,639,438.00
Township	125	66	22.37%	\$21,691,542.00	\$11,258,439.00
University	41	20	6.78%	\$5,318,298.00	\$2,248,397.00
Village	40	12	4.07%	\$3,704,450.00	\$1,974,232.00
Totals	994	295	100.00%	\$360,931,325.00	\$102,293,681.00

* Canceled projects are not included, and figures reflect cost savings from completed projects that came in under budget.

** Includes schools, hospitals, and others.

*** Amount awarded exceeds amount requested because CMC applications did not request a specific grant amount. Grant amounts for successful applicants were determined by the CMC consultant and the state after the projects were designed.

Table I-B SWAP Projects by Category
Project Applications and Projects Approved for Funding

Project Category	Applications Received	Projects Approved	Amount Requested	Amount Approved and Expended*	Percent Total Projects	Percent of Total
CLS	101	69	\$35,585,001.00	\$18,713,558.00	23%	18%
CMC	23	8	N/A	\$9,814,077.00	3%	10%
CP	118	29	\$9,036,643.00	\$2,277,728.00	10%	2%
ED	135	49	\$3,560,358.00	\$1,108,289.00	17%	1%
HHWC	40	17	\$3,363,166.00	\$1,361,526.00	6%	1%
MD	113	32	\$215,347,136.00	\$52,507,388.00	11%	51%
MDRD	58	16	\$8,779,400.00	\$2,297,659.00	5%	2%
MP	3	1	\$193,011.00	\$29,124.00	0%	0%
RP	320	51	\$61,679,716.00	\$6,399,322.00	17%	6%
SP	25	4	\$5,581,293.00	\$572,711.00	1%	1%
TSC	34	11	\$4,698,770.00	\$1,552,255.00	4%	2%
WRRD	22	7	\$3,106,831.00	\$660,044.00	2%	1%
WTE	2	1	\$10,000,000.00	\$5,000,000.00	0%	5%
Totals	994	295	\$360,931,325.00	\$102,293,681.00	100%	100%

* Canceled projects are not included in this table, and figures reflect cost savings from completed projects that came in under budget.

Key

- CLS Landfill/Dump Closure
- CMC Clean Michigan Community
- CP Composting
- ED Resource Recovery Education
- HHWC Household Hazardous Waste Center
- MD Market Development
- MDRD Market Development Research and Demonstration
- MP Marketing Project
- RP Recycling-Collection/Processing
- SP Statewide Projects
- TSC Transfer Station Construction
- WRRD Waste Reduction Research and Demonstration
- WTE Waster-to-Energy Project

Table I-C Canceled SWAP Projects by Category*

Fiscal Year	Category/Project	County	Application Number	Amount Awarded	Final Grant
	<i>Landfill/Dump Closure</i>				
89/90	City of Lansing	Ingham	CLS--85	\$600,000.00	\$0.00
90/91	City & County of Menominee	Menominee	CLS--59	\$600,000.00	\$0.00
	<i>Composting</i>				
89/90	City of Auburn	Bay	CP-2-9-00068	\$34,875.00	\$0.00
89/90	City of Bay City	Bay	CP-2-9-00057	\$118,500.00	\$0.00
89/90	Clinton Township	Macomb	CP-3-50-00085	\$23,250.00	\$0.00
91/92	City of Flint	Genesee	CP-3-25-20109	\$172,200.00	\$0.00
89/90	Lee Wood Contracting, Inc.	Bay	CP-2-9-00056	\$196,588.00	\$0.00
93/94	Michigan Disposal Services	Kalamazoo	CP-3-39-40036	\$250,000.00	\$0.00
89/90	City of Mt. Clemens	Macomb	CP-3-50-00119	\$5,900.00	\$0.00
89/90	Peninsula Township	Grand Traverse	CP-2-28-00081	\$7,500.00	\$0.00
89/90	City of Woodhaven	Wayne	CP-3-82-00035	\$38,414.00	\$0.00
	<i>Resource Recovery Education</i>				
92/93	Ionia County	Ionia	ED-3-34-30084	\$15,000.00	\$0.00
90/91	Mister Rubbish Group, Inc.	Livingston	ED-3-47-11015	\$50,000.00	\$0.00
90/91	City of Riverview	Wayne	ED-3-82-10108	\$50,000.00	\$0.00
90/91	Soo Sheltered Workshop	Chippewa	ED-1-17-10038	\$22,300.00	\$0.00
91/92	Wayne County DPW	Wayne	ED-3-82-20069	\$46,700.00	\$0.00
91/92	Westside, Inc.	St. Joseph	ED-3-75-20011	\$36,400.00	\$0.00
	<i>Household Hazardous Waste Center</i>				
92/93	Clinton County	Clinton	HHWC-3-19-30081	\$100,000.00	\$0.00
94/95	Grosse Pointes-Clinton Refuse	Macomb	HHWC-3-50-50028	\$100,000.00	\$0.00
90/91	Macomb County Health Department	Macomb	HHWC-3-50-10072	\$34,700.00	\$0.00
	<i>Market Development</i>				
91/92	Abitibi-Price Corporation	Alpena	MD-2-04-20115	\$4,325,300.00	\$0.00
92/93	Able Sanitation, Inc.	Ottawa	MD-3-70-30057	\$266,900.00	\$0.00
90/91	American Plastic Company	Ionia	MD-3-34-11005	\$147,517.00	\$0.00
94/95	Autostyle Plastics, Inc.	Kent	MD-3-41-50041	\$4,670,300.00	\$0.00
92/93	Caithness King of Michigan	Midland	MD-2-56-30042	\$5,000,000.00	\$0.00
90/91	Community Recycling Company	Wayne	MD-3-82-10125	\$1,012,900.00	\$0.00
91/92	Document Services, Inc.	Wayne	MD-3-82-20081	\$357,400.00	\$0.00
93/94	Duro-Last, Inc.	Saginaw	MD-2-73-40046	\$1,473,400.00	\$0.00
93/94	Hyponex Corporation	Lapeer	MD-3-44-40035	\$564,000.00	\$0.00
92/93	Northern Michigan Conference	Iron	MD-1-36-30016	\$384,600.00	\$0.00
89/90	Cities of Roseville & East Detroit	Macomb	MD-3-50-00052	\$66,825.00	\$0.00
94/95	Simpson Plainwell Paper Co.	Allegan	MD-3-3-50010	\$3,935,500.00	\$0.00

Table I-C Canceled SWAP Projects by Category*

Fiscal Year	Category/Project	County	Application Number	Amount Awarded	Final Grant
	<i>Market Development Research and Demonstration</i>				
89/90	American Plastics Company	Ionia	MDRD-3-34-00121	\$211,448.00	\$0.00
93/94	Arenac County	Arenac	MDRD-2-40057	\$127,000.00	\$0.00
92/93	E-T-M Enterprises	Eaton	MDRD-3-23-30048	\$65,000.00	\$0.00
90/91	Kingston Plastic Products, Inc.	Tuscola	MDRD-1-79-11009	\$18,750.00	\$0.00
90/91	Peninsula Copper Industries, Inc.	Houghton	MDRD-1-31-10008	\$208,100.00	\$0.00
	<i>Recycling-Collection/Processing</i>				
91/92	Village of Blissfield	Lenawee	RP-3-46-20090	\$7,500.00	\$0.00
91/92	Village of Blissfield	Lenawee	RP-3-46-20092	\$3,800.00	\$0.00
91/92	City of Boyne City	Charlevoix	RP-2-15-20042	\$5,100.00	\$0.00
89/90	Branch County	Branch	RP-3-12-00089	\$15,847.00	\$0.00
89/90	Brooks, Frederick Sydney	Iosco	RP-2-35-00130	\$14,220.00	\$0.00
94/95	Clare County	Clare	RP-2-18-50035	\$80,500.00	\$0.00
89/90	City of Coldwater	Branch	RP-3-12-00091	\$77,899.00	\$0.00
89/90	Downriver Recycling Center	Wayne	RP-3-82-00190	\$72,023.00	\$0.00
88/89	Great Lakes Paper Stock	Macomb	RP-3-50-90077	\$86,271.00	\$0.00
91/92	Monroe County	Monroe	RP-3-58-20053	\$107,200.00	\$0.00
89/90	City of Mt. Clemens	Macomb	RP-3-50-00125	\$23,120.00	\$0.00
91/92	Perry Recycling & Salvage, Inc.	Alger	RP-1-2-20014	\$48,900.00	\$0.00
93/94	R.J. Hoffman Management	Oakland	RP-3-63-40048	\$334,800.00	\$0.00
89/90	Region II Com. Action Agency	Hillsdale	RP-3-30-00187	\$23,289.00	\$0.00
90/91	City of Riverview	Wayne	RP-3-82-10083	\$500,000.00	\$0.00
93/94	Saginaw Area SWMA	Saginaw	RP-2-73-40051	\$314,600.00	\$0.00
93/94	Schoolcraft County	Schoolcraft	RP-1-77-40001	\$85,400.00	\$0.00
	<i>Statewide Project</i>				
88/89	Used Oil Collection Pilot Project	Various	SP----SP901	\$69,000.00	\$0.00
89/90	General Electric Plastics	Various	SP----SP002	\$395,000.00	\$0.00
	<i>Transfer Station Construction</i>				
94/95	Bloomington Township	Van Buren	TSC-3-80-50019	\$54,100.00	\$0.00
94/95	Halkias, Nick G.	St. Clair	TSC-3-74-50040	\$146,100.00	\$0.00
92/93	Limestone Township	Alger	TSC-1-02-30032	\$200,000.00	\$0.00
91/92	Schoolcraft County	Schoolcraft	TSC-1-77-20037	\$155,300.00	\$0.00
	Total		60	\$28,157,236.00	

* Includes only projects canceled prior to funding.

Table I-D Disposition of SWAP Funding	
Total Grand Loan Appropriations and Administrative Expenses [1989-1996] (Table I)	\$158,804,626.00
Total Administrative Expenses (Table I)	(\$9,568,300.00)
Total Grant/Loan Appropriations (Table I)	\$149,236,326.00
Total Grant/Loan Appropriations Approved and Expended (Table I-A)	(\$102,293,681.00)
Total SWAP Funds Appropriated But Not Expended, and Returned to the Environmental Protection Bond Fund, and ultimately returned to the Cleanup and Redevelopment Fund.	\$46,942,645.00

Table I-E SWAP Loan Distributions

County	Fiscal Year	Project Name	Contract Number	Final Loan Expenditure	Matching Amount	Financial Status	Contract Status	Final Report Date
Livingston	89/90	Contractor Container Corp.*	RP-3-47-00219	\$790,272.00	\$87,808.00	Complete	Active	7/19/2001
Saginaw	90/91	Tiny Tot Diaper Service**	WRRD-2-73-10113	\$55,436.00	\$7,090.00	Complete	Active	11/5/2000
Total				\$845,708.00	\$94,898.00			
* Loan repaid in full.								
** Loan in default, referred to the Michigan Department of the Attorney General.								

C. Project Status

The following tables list approved and funded SWAP Projects using varying criteria:

Table II lists SWAP Projects by Category.

Table III lists SWAP Projects by County.

Table IV lists SWAP Projects by Fiscal Year.

Glossary of Terms for Tables

Contract Number: The DEQ identification number assigned to the project at the time the grant or loan application was received.

Amount Awarded: The grant or loan amount recommended for funding by the DEQ, approved by the SWAP Advisory Panel or the Director, and appropriated by the Legislature.

Final Grant Expenditure: The final grant or loan amount actually expended by the grantee during the project (financial) period of the grant contract. This was the amount approved by the DEQ and reimbursed to the grantee.

Contract Status: This is the contract (operational) period of the grant contract where the grantee is obligated to operate and maintain the project and submit annual performance reports to the DEQ for the term of the contract.

Financial Status: The project (financial) period of the grant contract during which all project tasks identified in the project timetable were completed. All expenditures made by the grantee in this phase were reimbursed by the DEQ.

Fiscal Year: The fiscal year in which the Legislature approved funding for the project.

Final Report Date: For closed projects, either the date that the final annual performance report indicating the end of the contract (operational) period was received or the date the grant contract was terminated or canceled. For active projects, the date that the final annual performance report is due. In any case, after the Final Report Date, the grantee is no longer under further contractual obligation to the state and no additional oversight is required.

Active projects are those that are currently in the contract (operational) period of the contract as defined above.

The term Complete under the Financial Status heading refers to contracts whose financial reimbursement portion has been certified as complete by the DEQ and who have entered the contract (operational) period of the contract.

The term Canceled under the Financial Status heading means a project that was approved by the DEQ but canceled by the grantee, usually prior to execution of the grant contract. No funds were paid out to the recipient.

Closed under the Contract Status heading refers to a SWAP grant contract that has been canceled, terminated (as defined below), or that reached the end of its term as defined in the contract.

Terminated projects are those whose SWAP contract was ended under the terms of the contract either by the grantee or by the DEQ. The contract may have been terminated by the DEQ for nonperformance or violation of the terms of the contract itself. The grantee may have terminated the contract or asked the DEQ to terminate the contract because it is no longer able to satisfy the conditions of the contract. In many cases, the DEQ required the grantee to repay the Environmental Protection Bond Fund the entire amount of the grant funds or a prorated amount based upon how much of the contract was fulfilled at the time of termination.

Total Project Diversion Goal To Date (Tons): This refers to the yearly diversion goal of a project times the number of years that the project has been active.

Total Amount Diverted To Date: This refers to the actual amount diverted from Michigan landfills for the number of years that the project has been active.

Percentage of Goals Achieved To Date: The Total Amount Diverted to Date divided by the Total Project Diversion Goal to Date.

Table II SWAP Projects Listed by Category

CATEGORY PROJECT/COUNTY	Contract Number	Amount Awarded	Final Grant Expenditure	Final Match	Financial Status	Contract Status
LANDFILL/DUMP CLOSURES (CLS)						
Allouez Township, Keweenaw County	CLS-1-42-09	\$363,145.00	\$197,598.00	\$40,349.00	Complete	Active
Bessemer Township, Gogebic County	CLS-1-27-19	\$254,862.00	\$144,507.00	\$28,318.00	Complete	Active
City of Bessemer, Gogebic County	CLS-1-27-03	\$382,950.00	\$331,499.00	\$42,550.00	Complete	Active
Bois Blanc Township, Mackinac County	CLS-1-49-49	\$345,687.00	\$139,274.00	\$38,410.00	Complete	Active
Burt Township, Alger County	CLS-1-02-81	\$600,000.00	\$327,447.00	\$66,667.00	Complete	Active
Calumet Charter Township, Houghton County	CLS-1-31-27	\$600,000.00	\$600,000.00	\$66,667.00	Complete	Active
City of Cass City, Tuscola County	CLS-2-79-22	\$313,532.00	\$235,472.00	\$34,837.00	Complete	Active
Cedarville Township, Menominee County	CLS-1-55-40	\$76,061.00	\$67,957.00	\$8,451.00	Complete	Active
Central Landfill Authority, Dickinson County	CLS-1-22-76	\$600,000.00	\$600,000.00	\$66,667.00	Complete	Active
Clark Township, Mackinac County	CLS-1-49-55	\$408,835.00	\$240,942.00	\$45,425.00	Complete	Active
Crystal Falls Township, Iron County	CLS-1-36-17	\$387,630.00	\$280,921.00	\$42,070.00	Complete	Active
City of Crystal Falls, Iron County	CLS-1-36-87	\$600,000.00	\$288,431.00	\$66,667.00	Complete	Active
Cumming Township, Ogemaw County	CLS-1-65-06	\$521,100.00	\$290,124.00	\$57,900.00	Complete	Active
Village of Daggett, Menominee County	CLS-1-55-51	\$268,470.00	\$171,522.00	\$29,830.00	Complete	Active
Village of DeTour Village, Chippewa County	CLS-1-17-72	\$379,105.00	\$319,796.00	\$42,123.00	Complete	Active
City of Dowagiac, Cass County	CLS-3-14-62	\$600,000.00	\$521,416.00	\$66,667.00	Complete	Active
Erwin Township, Gogebic County	CLS-1-27-16	\$212,956.00	\$181,034.00	\$23,662.00	Complete	Active
Ewing Township, Marquette County	CLS-2-52-47	\$103,253.00	\$89,457.00	\$9,939.00	Complete	Active
Faithorn Township, Menominee County	CLS-1-55-34	\$76,927.00	\$61,927.00	\$8,547.00	Complete	Active
Franklin Township, Clare County	CLS-2-18-84	\$88,500.00	\$85,426.00	\$9,830.00	Complete	Active
Geneva Township, Van Buren County	CLS-3-80-90118	\$226,935.00	\$226,935.00	\$25,215.00	Complete	Active
Grant Township, Keweenaw County	CLS-1-42-45	\$294,750.00	\$229,949.00	\$32,750.00	Complete	Active
Grant Township, Keweenaw County	CLS-1-42-46	\$93,501.00	\$93,501.00	\$10,389.00	Complete	Active
Greenland Township, Ontonagon County	CLS-1-66-73	\$179,586.00	\$125,390.00	\$19,933.00	Complete	Active
Harris Township, Menominee County	CLS-1-55-54	\$380,264.00	\$143,774.00	\$42,252.00	Complete	Active
City of Harrison, Clare County	CLS-2-18-23	\$600,000.00	\$477,355.00	\$66,667.00	Complete	Active
Hematite Township, Iron County	CLS-1-36-57	\$307,247.00	\$135,378.00	\$34,139.00	Complete	Active
Holland Charter Township, Ottawa County	CLS-3-70-83	\$600,000.00	\$515,057.00	\$66,667.00	Complete	Active
Holmes Township, Menominee County	CLS-1-55-39	\$89,271.00	\$64,570.00	\$9,919.00	Complete	Active
Interior Township, Ontonagon County	CLS-1-66-68	\$81,600.00	\$76,404.00	\$9,070.00	Complete	Active
Inverness Township, Cheboygan County	CLS-2-16-90119	\$411,750.00	\$411,750.00	\$45,750.00	Complete	Active

Table II SWAP Projects Listed by Category

CATEGORY PROJECT/COUNTY	Contract Number	Amount Awarded	Final Grant Expenditure	Final Match	Financial Status	Contract Status
Iron River Township, Iron County	CLS-1-36-18	\$323,685.00	\$189,219.00	\$35,965.00	Complete	Active
City of Iron River, Iron County	CLS-1-36-08	\$600,000.00	\$473,781.00	\$66,667.00	Complete	Active
Ironwood Charter Township, Gogebic County	CLS-1-27-78	\$600,000.00	\$455,402.00	\$66,667.00	Complete	Active
City of Ironwood, Gogebic County	CLS-1-27-32	\$600,000.00	\$600,000.00	\$66,667.00	Complete	Active
Village of L'Anse, Baraga County	CLS-1-07-05	\$365,100.00	\$306,176.00	\$40,500.00	Complete	Active
City of Lansing, Ingham County	CLS--85	\$0.00	\$0.00	\$0.00	Canceled	Closed
Limestone & Mathias Townships, Alger County	CLS-1-02-71	\$561,754.00	\$236,716.00	\$62,400.00	Complete	Active
Livingston County	CLS-3-47-30	\$518,449.00	\$518,449.00	\$57,605.00	Complete	Active
City of Mackinac Island, Mackinac County	CLS-1-49-90120	\$600,000.00	\$600,000.00	\$66,667.00	Complete	Active
Marenisco Township, Gogebic County	CLS-1-27-26	\$207,638.00	\$118,285.00	\$23,071.00	Complete	Active
Mason County (Pere Marquette Landfill)	CLS-3-53-12	\$600,000.00	\$600,000.00	\$66,667.00	Complete	Active
Mellen Township, Menominee County	CLS-1-55-50	\$539,782.00	\$206,163.00	\$59,976.00	Complete	Active
City & County of Menominee	CLS--59	\$0.00	\$0.00	\$0.00	Canceled	Closed
Meyer Township, Menominee County	CLS-1-55-28	\$196,734.00	\$161,853.00	\$21,859.00	Complete	Active
Moran Township, Mackinac County	CLS-1-49-13	\$162,000.00	\$151,080.00	\$18,000.00	Complete	Active
Mullett Township, Cheboygan County	CLS-1-16-10	\$379,800.00	\$305,341.00	\$42,200.00	Complete	Active
Nadeau Township, Menominee County	CLS-1-55-44	\$165,375.00	\$165,375.00	\$18,375.00	Complete	Active
Twp & City of Negaunee City of Ishpeming	CLS-1-52-21	\$600,000.00	\$600,000.00	\$66,667.00	Complete	Active
Village of Newberry, Luce County	CLS-1-48-31	\$600,000.00	\$460,189.00	\$66,667.00	Complete	Active
City of Plymouth, Washtenaw County	CLS-3-81-42	\$600,000.00	\$600,000.00	\$66,667.00	Complete	Active
Powell Township, Marquette County	CLS-1-52-67	\$564,074.00	\$183,872.00	\$62,700.00	Complete	Active
Raber Township, Chippewa County	CLS-1-17-75	\$114,182.00	\$80,203.00	\$12,687.00	Complete	Active
Richland Township, Ogemaw County	CLS-2-65-07	\$273,600.00	\$141,194.00	\$30,400.00	Complete	Active
Rock River Township, Alger County	CLS-1-02-37	\$417,044.00	\$241,905.00	\$46,338.00	Complete	Active
Rockland Township, Ontonagon County	CLS-1-66-52	\$159,300.00	\$159,300.00	\$17,700.00	Complete	Active
Shelby Township, Oceana County	CLS-3-64-90121	\$450,000.00	\$450,000.00	\$50,000.00	Complete	Active
Sheridan Township, Clare County	CLS-2-18-58	\$443,700.00	\$138,682.00	\$49,300.00	Complete	Active
Skandia Township, Marquette County	CLS-1-52-90122	\$358,830.00	\$274,813.00	\$39,870.00	Complete	Active
South Haven Township, Van Buren County	CLS-3-80-90123	\$268,200.00	\$255,482.00	\$29,800.00	Complete	Active
Spaulding Township, Menominee County	CLS-1-55-90124	\$145,350.00	\$119,787.00	\$16,150.00	Complete	Active
St. James & Peaine Townships, Charlevoix Co.	CLS-2-15-15	\$198,900.00	\$177,300.00	\$22,100.00	Complete	Active
City of Stephenson, Menominee County	CLS-1-55-38	\$241,923.00	\$154,662.00	\$26,880.00	Complete	Active
Surrey Township, Clare County	CLS-2-18-29	\$518,455.00	\$316,216.00	\$57,606.00	Complete	Active
Tri-Township Landfill, Ontonagon County	CLS-1-66-82	\$127,700.00	\$127,639.00	\$14,189.00	Complete	Active

Table II SWAP Projects Listed by Category

CATEGORY PROJECT/COUNTY	Contract Number	Amount Awarded	Final Grant Expenditure	Final Match	Financial Status	Contract Status
Trout Lake Township, Chippewa County	CLS-1-17-70	\$99,217.00	\$99,217.00	\$11,030.00	Complete	Active
City of Wakefield, Gogebic County	CLS-1-27-04	\$375,181.00	\$360,570.00	\$41,687.00	Complete	Active
Watersmeet Township, Gogebic County	CLS-1-27-11	\$234,000.00	\$229,880.00	\$26,000.00	Complete	Active
Wells Township, Marquette County	CLS-2-52-56	\$294,413.00	\$89,232.00	\$32,713.00	Complete	Active
City of Whittemore, Iosco County	CLS-2-35-63	\$600,000.00	\$263,483.00	\$66,667.00	Complete	Active
Wise Township, Isabella County	CLS-2-37-33	\$518,400.00	\$427,279.00	\$57,600.00	Complete	Active
Total Approved	71					
Total Canceled	2					
Total	69	\$25,070,703.00	\$18,713,558.00	\$2,783,031.00		
Clean Michigan Community (CMC)						
City of Buchanan, Berrien County	CMC-3-11-00198	\$606,581.00	\$603,297.00	\$0.00	Complete	Active
Village of Caseville, Huron County	CMC-2-32-00073	\$333,541.00	\$300,187.00	\$0.00	Complete	Active
Delta Solid Waste Mgmt. Auth., Delta Co. Isabella County	CMC-1-21-00008	\$1,098,510.00	\$1,098,235.00	\$0.00	Complete	Active
City of Lansing, Ingham County	CMC-2-37-00195	\$1,711,154.00	\$1,693,926.00	\$0.00	Complete	Active
City of Lansing, Ingham County	CMC-3-33-00153	\$2,343,284.00	\$2,282,554.00	\$0.00	Complete	Active
Planning & Zoning Center, Inc., Various Cos.	CMC-0090	\$166,367.00	\$166,367.00	\$0.00	Complete	Closed
Resource Integration Systems, Various Cos.	CMC-07235	\$909,082.00	\$900,486.00	\$0.00	Complete	Closed
Southeastern Oakland Co. Res. Rec. Auth.	CMC-3-63-00046	\$2,769,309.00	\$2,769,025.00	\$0.00	Complete	Active
Total Approved	8					
Total Canceled	0					
Total Funded	8	\$9,937,828.00	\$9,814,077.00	\$0.00		
Composting (CP)						
Able Sanitation, Inc., Ottawa County	CP-3-70-20075	\$176,100.00	\$30,929.00	\$58,690.00	Complete	Closed
City of Algonac, St. Clair County	CP-3-74-30060	\$22,000.00	\$14,886.00	\$7,335.00	Complete	Active
City of Ann Arbor, Washtenaw County	CP-3-81-00222	\$250,000.00	\$250,000.00	\$83,300.00	Complete	Active
City of Auburn, Bay County	CP-2-9-00068	\$0.00	\$0.00	\$0.00	Canceled	Closed
City of Bay City, Bay County	CP-2-9-00057	\$0.00	\$0.00	\$0.00	Canceled	Closed
Village of Capac, St. Clair County	CP-3-74-20005	\$15,800.00	\$13,441.00	\$5,267.00	Complete	Active
Clearbrook Companies, Kalkaska County	CP-2-40-90014	\$46,875.00	\$37,199.00	\$15,625.00	Complete	Active
Clinton Township, Macomb County	CP-3-50-00085	\$0.00	\$0.00	\$0.00	Canceled	Closed
City of Davison, Genesee County	CP-3-25-10001	\$23,400.00	\$21,221.00	\$7,800.00	Complete	Active
Denton Township, Roscommon County	CP-2-72-50002	\$36,300.00	\$36,300.00	\$12,100.00	Complete	Active

Table II SWAP Projects Listed by Category

CATEGORY PROJECT/COUNTY	Contract Number	Amount Awarded	Final Grant Expenditure	Final Match	Financial Status	Contract Status
City of Detroit, Wayne County	CP-3-82-00178	\$250,000.00	\$250,000.00	\$83,300.00	Complete	Active
Dickinson Solid Waste Mgmt. Auth.	CP-1-22-10034	\$42,700.00	\$42,587.00	\$14,235.00	Complete	Active
Eagle Ottawa Newaygo Farms, Inc., Ottawa Co.	CP-3-70-30018	\$249,600.00	\$223,400.00	\$83,200.00	Complete	Active
Village of Edmore, Montcalm County	CP-3-59-00006	\$1,230.00	\$1,228.00	\$410.00	Complete	Active
City of Flint, Genesee County	CP-3-25-20109	\$0.00	\$0.00	\$0.00	Canceled	Closed
City of Fremont, Newaygo County	CP-3-62-00017	\$15,825.00	\$15,337.00	\$5,275.00	Complete	Active
Gogebic Range SWMA, Gogebic County	CP-1-27-40021	\$67,600.00	\$67,600.00	\$22,535.00	Complete	Active
Grand Traverse County	CP-2-28-20094	\$159,600.00	\$159,554.00	\$53,200.00	Complete	Active
Indian Summer Recycling, Macomb County	CP-3-50-00059	\$39,750.00	\$39,329.00	\$13,250.00	Complete	Active
City of Laingsburg, Shiawassee County	CP-3-78-40003	\$18,400.00	\$18,308.00	\$6,134.00	Complete	Active
Lee Wood Contracting, Inc., Bay County	CP-2-9-00056	\$0.00	\$0.00	\$0.00	Canceled	Closed
City of Mackinac Island, Mackinac County	CP-1-49-00218	\$86,000.00	\$86,000.00	\$28,600.00	Complete	Active
City of Madison Heights, Oakland County	CP-3-63-90088	\$50,760.00	\$50,760.00	\$16,920.00	Complete	Active
City of Manistee, Manistee County	CP-2-51-90107	\$28,432.00	\$28,432.00	\$9,478.00	Complete	Closed
Michigan Disposal Services, Kalamazoo Co.	CP-3-39-40036	\$0.00	\$0.00	\$0.00	Canceled	Closed
City of Mt. Clemens, Macomb County	CP-3-50-00119	\$0.00	\$0.00	\$0.00	Canceled	Closed
City of Negaunee, Marquette County	CP-1-52-20040	\$12,600.00	\$12,100.00	\$4,200.00	Complete	Active
Peninsula Township, Grand Traverse County	CP-2-28-00081	\$0.00	\$0.00	\$0.00	Canceled	Closed
Village of Pentwater, Oceana County	CP-3-64-40033	\$97,000.00	\$96,846.00	\$32,282.00	Complete	Active
City of Saginaw, Saginaw County	CP-2-73-40028	\$88,500.00	\$88,500.00	\$29,500.00	Complete	Active
City of Sault Ste. Marie, Chippewa County	CP-1-17-20041	\$75,900.00	\$75,900.00	\$25,300.00	Complete	Active
Spring Lake/City of Ferrysburg, Ottawa Co.	CP-3-70-10071	\$58,000.00	\$58,000.00	\$19,330.00	Complete	Active
City of Three Rivers, St. Joseph County	CP-3-75-20047	\$74,100.00	\$74,100.00	\$24,700.00	Complete	Active
City of Trenton, Wayne County	CP-3-82-00101	\$96,203.00	\$94,244.00	\$32,067.00	Complete	Closed
Village of Vermontville, Eaton County	CP-3-23-40032	\$10,100.00	\$10,100.00	\$3,366.00	Complete	Active
Western Twps Utilities Auth., Wayne County	CP-3-82-00135	\$242,081.00	\$242,060.00	\$80,694.00	Complete	Active
City of Woodhaven, Wayne County	CP-3-82-00035	\$0.00	\$0.00	\$0.00	Canceled	Closed
Ypsilanti Township, Washtenaw County	CP-3-81-00074	\$139,368.00	\$139,367.00	\$46,455.00	Complete	Active
Total Approved	38					
Total Canceled	9					
Total Funded	29	\$2,474,224.00	\$2,277,728.00	\$824,548.00		
Resource Recovery Education (ED)						
Able Sanitation, Ottawa County	ED-3-70-10143	\$17,500.00	\$17,500.00	\$5,833.00	Complete	Closed

Table II SWAP Projects Listed by Category

CATEGORY PROJECT/COUNTY	Contract Number	Amount Awarded	Final Grant Expenditure	Final Match	Financial Status	Contract Status
Alger Soil Conservation District, Alger County	ED-1-02-20003	\$6,000.00	\$4,198.00	\$2,000.00	Complete	Closed
City of Ann Arbor, Washtenaw County	ED-3-81-00208	\$49,839.00	\$49,512.00	\$16,613.00	Complete	Closed
Antrim County Resource Recovery	ED-2-05-10045	\$1,500.00	\$1,463.00	\$500.00	Complete	Closed
Branch County	ED-3-12-00090	\$9,548.00	\$9,472.00	\$3,183.00	Complete	Closed
Clinton Twp/City of Mt. Clemens, Macomb Co.	ED-3-50-00084	\$18,179.00	\$5,636.00	\$1,878.00	Complete	Closed
Conference of Western Wayne, Wayne Co.	ED-3-82-10144	\$24,600.00	\$24,341.00	\$8,200.00	Complete	Closed
City of East Lansing, Ingham County	ED-3-33-10091	\$46,700.00	\$40,058.00	\$15,565.00	Complete	Closed
Grand Traverse County	ED-2-28-40042	\$36,300.00	\$33,808.00	\$12,100.00	Complete	Active
Huron County	ED-2-32-20032	\$50,000.00	\$50,000.00	\$16,670.00	Complete	Closed
Huron County	ED-2-32-11016	\$3,404.00	\$2,984.00	\$1,134.00	Complete	Closed
Independence Township, Oakland County	ED-3-63-10101	\$29,600.00	\$22,734.00	\$9,865.00	Complete	Closed
Ingham County	ED-3-33-00196	\$50,000.00	\$50,000.00	\$16,667.00	Complete	Closed
Ionia County	ED-3-34-30084	\$0.00	\$0.00	\$0.00	Canceled	Closed
Kent County	ED-3-41-40040	\$12,400.00	\$12,400.00	\$4,133.00	Complete	Closed
Leelanau County Planning Department	ED-2-45-20114	\$11,700.00	\$10,619.00	\$3,900.00	Complete	Closed
Mamas and The Puppets, Washtenaw County	ED-3-81-30062	\$36,500.00	\$36,500.00	\$12,165.00	Complete	Closed
Mamas and The Puppets, Washtenaw County	ED-3-81-00128	\$27,533.00	\$27,533.00	\$9,177.00	Complete	Closed
Marquette Co. Solid Waste Mgmt. Authority	ED-1-52-10061	\$22,000.00	\$22,000.00	\$7,335.00	Complete	Closed
Michigan Recycling Coalition, Ingham Co.	ED-3-33-20050	\$46,800.00	\$44,874.00	\$15,600.00	Complete	Closed
Michigan State University, Ingham County	ED-3-33-10134	\$37,400.00	\$37,400.00	\$12,465.00	Complete	Closed
Michigan Technological Univ., Houghton Co.	ED-1-31-30024	\$37,600.00	\$36,491.00	\$12,530.00	Complete	Closed
Midland Volunteers For Recycling, Midland Co.	ED-2-56-10029	\$15,700.00	\$15,409.00	\$5,233.00	Complete	Closed
Mister Rubbish Group, Inc., Livingston County	ED-3-47-11015	\$0.00	\$0.00	\$0.00	Canceled	Closed
City of Mt. Clemens, Macomb County	ED-3-50-50018	\$7,900.00	\$7,433.00	\$2,477.00	Complete	Closed
City of Muskegon, Muskegon County	ED-3-61-11001	\$9,458.00	\$9,256.00	\$3,153.00	Complete	Closed
Newaygo County Board of Public Works	ED-3-62-10010	\$14,500.00	\$12,619.00	\$4,833.00	Complete	Closed
NMU, Seaborg Ctr., Marquette County	ED-1-52-00066	\$24,345.00	\$21,701.00	\$8,100.00	Complete	Closed
OG Recovery, Ogemaw County	ED-2-65-00109	\$17,598.00	\$17,598.00	\$5,867.00	Complete	Closed
City of Oak Park, Oakland County	ED-3-63-30009	\$49,500.00	\$39,521.00	\$16,500.00	Complete	Closed
Ottawa County	ED-3-70-00018	\$28,875.00	\$28,476.00	\$9,624.00	Complete	Closed
Recycle North, Emmet County	ED-2-24-00077	\$20,250.00	\$19,748.00	\$6,750.00	Complete	Closed
Recycling Barry County	ED-3-08-10041	\$14,900.00	\$14,900.00	\$4,967.00	Complete	Closed
Region II Com. Action Agency, Hillsdale Co.	ED-3-30-00188	\$8,331.00	\$7,018.00	\$2,777.00	Complete	Closed
Resource Recovery & Recycling A. Oakland Co.	ED-3-63-50009	\$4,700.00	\$4,700.00	\$1,570.00	Complete	Closed

Table II SWAP Projects Listed by Category

CATEGORY PROJECT/COUNTY	Contract Number	Amount Awarded	Final Grant Expenditure	Final Match	Financial Status	Contract Status
River Cities Recycling Com., Menominee Co.	ED-1-55-10031	\$19,400.00	\$18,682.00	\$6,465.00	Complete	Closed
City of Riverview, Wayne County	ED-3-82-10108	\$0.00	\$0.00	\$0.00	Canceled	Closed
Roscommon Twp., Roscommon County	ED-2-72-00079	\$5,250.00	\$5,248.00	\$1,750.00	Complete	Closed
Roscommon Twp., Roscommon County	ED-2-72-30001	\$15,000.00	\$14,969.00	\$5,000.00	Complete	Closed
Cities of Roseville & East Detroit, Macomb Co.	ED-3-50-00120	\$16,814.00	\$12,887.00	\$4,296.00	Complete	Closed
Saginaw County/Hartley Outdoor Ed. Center	ED-2-73-40045	\$41,000.00	\$30,403.00	\$13,665.00	Complete	Closed
Sanilac County	ED-2-76-40043	\$49,100.00	\$49,100.00	\$16,365.00	Complete	Closed
Soo Sheltered Workshop, Chippewa County	ED-1-17-10038	\$0.00	\$0.00	\$0.00	Canceled	Closed
SEMCOG, Wayne County	ED-3-82-00131	\$50,000.00	\$50,000.00	\$16,667.00	Complete	Closed
St. Clair Co. Metro. Planning Committee	ED-3-74-20021	\$28,000.00	\$27,998.00	\$9,335.00	Complete	Closed
St. Clair Co. Cooperative Extension Service	ED-3-74-00213	\$30,806.00	\$28,142.00	\$10,269.00	Complete	Closed
City of St. Clair Shores, Macomb County	ED-3-50-50032	\$22,400.00	\$22,400.00	\$7,470.00	Complete	Closed
Tuscola Co. Cooperative Extension Service	ED-2-79-20002	\$22,500.00	\$20,743.00	\$7,500.00	Complete	Closed
Van Buren Co. Cooperative Extension Service	ED-3-80-40013	\$17,800.00	\$17,800.00	\$5,934.00	Complete	Closed
WATCH, Charlevoix County	ED-2-15-10006	\$3,800.00	\$3,800.00	\$1,267.00	Complete	Closed
Wayne Co. Intermediate School District	ED-3-82-10049	\$22,800.00	\$5,700.00	\$7,600.00	Complete	Closed
Wayne County DPW	ED-3-82-20069	\$0.00	\$0.00	\$0.00	Canceled	Closed
Westside, Inc., St. Joseph County	ED-3-75-20011	\$0.00	\$0.00	\$0.00	Canceled	Closed
Wexford Soil & Water Con. Dist., Wexford Co.	ED-2-83-10079	\$28,800.00	\$28,800.00	\$9,600.00	Complete	Closed
Ypsilanti Township, Washtenaw County	ED-3-81-00075	\$34,443.00	\$33,715.00	\$11,480.00	Complete	Closed
Total Approved	55					
Total Canceled	6					
Total Funded	49	\$1,199,073.00	\$1,108,289.00	\$394,027.00		
Household Hazardous Waste Center (HHWC)						
Calhoun County Health Department	HHWC-3-13-10040	\$74,400.00	\$74,400.00	\$24,800.00	Complete	Active
City Management Corporation, Wayne County	HHWC-3-82-00113	\$100,000.00	\$100,000.00	\$33,333.00	Complete	Active
Clinton County	HHWC-3-19-30081	\$0.00	\$0.00	\$0.00	Canceled	Closed
Dickinson Co. Solid Waste Mgmt. Authority	HHWC-1-22-10032	\$75,000.00	\$54,060.00	\$25,000.00	Complete	Active
Emmet County DPW	HHWC-2-24-20055	\$100,000.00	\$100,000.00	\$33,340.00	Complete	Active
Grand Traverse County	HHWC-2-28-10130	\$100,000.00	\$85,745.00	\$33,340.00	Complete	Active
Greater Detroit Res. Rec. Auth., Wayne County	HHWC-3-82-00193	\$100,000.00	\$100,000.00	\$33,333.00	Complete	Active
Grosse Pointes-Clinton Refuse, Macomb County	HHWC-3-50-50028	\$0.00	\$0.00	\$0.00	Canceled	Closed
Ingham County	HHWC-3-33-10005	\$100,000.00	\$99,990.00	\$33,340.00	Complete	Active

Table II SWAP Projects Listed by Category

CATEGORY PROJECT/COUNTY	Contract Number	Amount Awarded	Final Grant Expenditure	Final Match	Financial Status	Contract Status
Ionia County	HHWC-3-34-30088	\$68,000.00	\$67,978.00	\$22,670.00	Complete	Active
Kalamazoo County	HHWC-3-39-40005	\$100,000.00	\$100,000.00	\$33,334.00	Complete	Active
Kent County	HHWC-3-41-10129	\$53,600.00	\$53,600.00	\$17,865.00	Complete	Active
Kent County	HHWC-3-41-10128	\$53,400.00	\$53,400.00	\$17,800.00	Complete	Active
Lenawee County	HHWC-3-46-50005	\$95,500.00	\$95,500.00	\$31,840.00	Complete	Active
Macomb County Health Department	HHWC-3-50-10072	\$0.00	\$0.00	\$0.00	Canceled	Closed
Marquette County Solid Waste Mgmt. Authority	HHWC-1-52-20101	\$100,000.00	\$100,000.00	\$33,330.00	Complete	Active
Southeast Berrien County Landfill Authority	HHWC-3-11-10069	\$45,100.00	\$45,100.00	\$15,030.00	Complete	Active
St. Clair County Metro Planning Commission	HHWC-3-74-10073	\$100,000.00	\$100,000.00	\$33,340.00	Complete	Active
Washtenaw County	HHWC-3-81-00124	\$98,820.00	\$98,820.00	\$32,900.00	Complete	Active
Westside Landfill, St. Joseph County	HHWC-3-75-10115	\$100,000.00	\$32,933.00	\$33,340.00	Complete	Active
Total Approved	20					
Total Canceled	3					
Total Funded	17	\$1,463,820.00	\$1,361,526.00	\$487,935.00		
Market Development (MD)						
Abitibi-Price Corporation, Alpena County	MD-2-04-20115	\$0.00	\$0.00	\$0.00	Canceled	Closed
Able Sanitation, Inc., Ottawa County	MD-3-70-30057	\$0.00	\$0.00	\$0.00	Canceled	Closed
American Commodities Inc., Genesee County	MD-3-25-40037	\$791,400.00	\$790,677.00	\$263,790.00	Complete	Active
American Plastic Company, Ionia County	MD-3-34-11005	\$0.00	\$0.00	\$0.00	Canceled	Closed
Ampro Industries, Inc., Allegan County	MD-3-03-30053	\$982,100.00	\$844,100.00	\$327,400.00	Complete	Closed
Applegate Insulation Mfr., Ingham County	MD-3-33-30083	\$1,463,500.00	\$1,463,500.00	\$487,750.00	Complete	Active
Autostyle Plastics, Inc., Kent County	MD-3-41-50041	\$0.00	\$0.00	\$0.00	Canceled	Closed
Blue Water Fiber Ltd. Part., St. Clair County	MD-3-74-30022	\$5,000,000.00	\$5,000,000.00	\$1,666,666.00	Complete	Active
Cadillac Products, Oakland County	MD-3-63-50039	\$3,957,600.00	\$3,951,132.00	\$1,319,200.00	Complete	Active
Caithness King of Michigan, Midland County	MD-2-56-30042	\$0.00	\$0.00	\$0.00	Canceled	Closed
Clean Tech, Inc., Monroe County	MD-3-58-10142	\$908,800.00	\$891,357.00	\$302,950.00	Complete	Active
Community Recycling Company, Wayne County	MD-3-82-10125	\$0.00	\$0.00	\$0.00	Canceled	Closed
Compost Soil Technologies, Inc., Ottawa County	MD-3-70-50007	\$285,500.00	\$285,494.00	\$95,170.00	Complete	Active
Document Services, Inc., Wayne County	MD-3-82-20081	\$0.00	\$0.00	\$0.00	Canceled	Closed
Duro-Last, Inc., Saginaw County	MD-2-73-40046	\$0.00	\$0.00	\$0.00	Canceled	Closed
Environmental Rubber Recycling, Genesee Co.	MD-3-25-40060	\$789,500.00	\$789,500.00	\$263,170.00	Complete	Active
Georgia-Pacific Corporation, Kalamazoo County	MD-3-39-40004	\$5,000,000.00	\$5,000,000.00	\$1,666,666.00	Complete	Active
GPM Industries, Inc., Ottawa County	MD-3-70-11007	\$39,960.00	\$35,960.00	\$13,320.00	Complete	Closed

Table II SWAP Projects Listed by Category

CATEGORY PROJECT/COUNTY	Contract Number	Amount Awarded	Final Grant Expenditure	Final Match	Financial Status	Contract Status
Graphic Packaging Corporation, Kalamazoo Co.	MD-3-39-10118	\$5,000,000.00	\$5,000,000.00	\$1,666,700.00	Complete	Active
Great Lakes Plastics Corp, Houghton County	MD-1-31-30023	\$38,519.00	\$16,769.00	\$12,840.00	Complete	Active
Hyponex Corporation, Lapeer County	MD-3-44-40035	\$0.00	\$0.00	\$0.00	Canceled	Closed
IPMC Acquisition L.L.C., Wayne County	MD-3-82-40024	\$1,070,000.00	\$1,070,000.00	\$356,667.00	Complete	Active
Kamps Pallets, Inc., Eaton County	MD-3-23-40029	\$158,600.00	\$155,918.00	\$52,860.00	Complete	Active
Ludlow Building Products, Inc., Lenawee County	MD-3-46-60009	\$2,873,221.00	\$2,873,221.00	\$957,740.00	Complete	Active
Manistique Papers, Inc., Schoolcraft County	MD-1-77-60008	\$5,000,000.00	\$5,000,000.00	\$1,666,666.00	Complete	Active
Michigan Paperboard Company, Calhoun Co.	MD-3-13-00209	\$2,769,117.00	\$2,769,117.00	\$923,039.00	Complete	Active
Michigan Polymer Reclaim, Ingham County	MD-3-33-11010	\$440,000.00	\$440,000.00	\$146,700.00	Complete	Active
Northern A-1 Services, Inc., Kalkaska County	MD-2-40-20106	\$113,000.00	\$50,700.00	\$16,900.00	Complete	Active
Northern Michigan Conference, Iron County	MD-1-36-30016	\$0.00	\$0.00	\$0.00	Canceled	Closed
NRI Michigan, Inc., Wayne County	MD-3-82-60005	\$4,771,000.00	\$1,392,113.00	\$1,590,000.00	Closed	Active
Olson Firestone Service, Isabella County	MD-2-37-00009	\$168,300.00	\$168,300.00	\$56,100.00	Complete	Active
Olson Firestone Service, Isabella County	MD-2-37-00010	\$97,344.00	\$37,331.00	\$32,448.00	Complete	Closed
Olson Firestone Service, Isabella County	MD-2-37-30026	\$168,500.00	\$168,500.00	\$56,180.00	Complete	Active
Carroll Packaging (PAVE Recycling), Bay Co.	MD-3-82-11008	\$119,304.00	\$116,245.00	\$39,770.00	Complete	Closed
PCA, Manistee County	MD-2-51-20064	\$4,770,789.00	\$4,770,789.00	\$1,590,263.00	Complete	Active
Petoskey Plastics, Inc., Emmet County	MD-2-24-10136	\$1,222,500.00	\$1,222,500.00	\$407,500.00	Complete	Active
Polycytek L.L.C.	MD-3-13-40011	\$3,206,400.00	\$3,185,785.00	\$1,068,800.00	Complete	Active
Resource Rec.Corp. of W. Michigan, Ottawa Co.	MD-3-70-40038	\$2,476,000.00	\$2,475,320.00	\$825,330.00	Complete	Active
Rock-Tenn Co. (Waldorf Corp.), Calhoun County	MD-3-13-00165	\$1,646,821.00	\$1,646,821.00	\$548,940.00	Complete	Active
Cities of Roseville & East Detroit, Macomb Co.	MD-3-50-00052	\$0.00	\$0.00	\$0.00	Canceled	Closed
Secondary Polymers, Wayne County	MD-3-82-10123	\$685,779.00	\$510,239.00	\$0.00	Complete	Closed
Simpson Plainwell Paper Co., Allegan County	MD-3-3-50010	\$0.00	\$0.00	\$0.00	Canceled	Closed
Southeastern Oakland Co. Res. Rec. Authority	MD-3-63-00045	\$75,900.00	\$75,900.00	\$25,300.00	Complete	Active
Watson's Tree Service, Cass County	MD-3-24-50008	\$310,100.00	\$310,100.00	\$103,370.00	Complete	Active
Total Approved	44					
Total Canceled	12					
Total Funded	32	\$56,399,554.00	\$52,507,388.00	\$18,550,195.00		
Market Development Research & Demonstration (MDRD)						
American Plastics Company, Ionia County	MDRD-3-34-00121	\$0.00	\$0.00	\$0.00	Canceled	Closed
Architects Bldg. LDHA Limited Part. Wayne Co.	MDRD-3-82-40056	\$250,000.00	\$250,000.00	\$44,118.00	Complete	Active

Table II SWAP Projects Listed by Category

CATEGORY PROJECT/COUNTY	Contract Number	Amount Awarded	Final Grant Expenditure	Final Match	Financial Status	Contract Status
Arenac County	MDRD-2--40057	\$0.00	\$0.00	\$0.00	Canceled	Closed
Detroit/Wayne County Port Authority	MDRD-3-82-00107	\$249,900.00	\$182,562.00	\$44,100.00	Complete	Closed
E-T-M Enterprises, Eaton County	MDRD-3-23-30048	\$0.00	\$0.00	\$0.00	Canceled	Closed
Innotech International, Inc., Ingham County	MDRD-3-33-40049	\$82,300.00	\$82,300.00	\$14,525.00	Complete	Closed
K L Industries, Muskegon County	MDRD-3-61-11004	\$77,745.00	\$77,743.00	\$25,915.00	Complete	Closed
Kingston Plastic Products, Inc., Tuscola County	MDRD-1-79-11009	\$0.00	\$0.00	\$0.00	Canceled	Closed
Michigan Chemical Council, Ingham County	MDRD-3-33-00220	\$102,280.00	\$100,076.00	\$18,049.00	Complete	Closed
Michigan State University, Ingham County	MDRD-3-33-30006	\$94,600.00	\$94,600.00	\$16,700.00	Complete	Closed
Michigan State University, Ingham County	MDRD-3-33-40012	\$100,000.00	\$98,645.00	\$17,650.00	Complete	Closed
Michigan State University, Ingham County	MDRD-3-33-20066	\$112,200.00	\$112,200.00	\$19,800.00	Complete	Closed
Michigan Technological Univ., Houghton County	MDRD-1-31-20024	\$221,300.00	\$217,278.00	\$39,050.00	Complete	Closed
Michigan Technological Univ., Houghton County	MDRD-1-31-20025	\$243,000.00	\$243,000.00	\$42,870.00	Complete	Closed
Michigan Technological Univ., Houghton County	MDRD-1-31-40002	\$131,400.00	\$126,743.00	\$23,190.00	Complete	Closed
Michigan Technological Univ., Houghton County	MDRD-1-31-10055	\$149,700.00	\$148,896.00	\$26,420.00	Complete	Closed
Michigan Technological Univ., Houghton County	MDRD-1-31-40014	\$203,700.00	\$203,700.00	\$35,950.00	Complete	Closed
Peninsula Copper Industries, Inc., Houghton Co.	MDRD-1-31-10008	\$0.00	\$0.00	\$0.00	Canceled	Closed
Resource Recycling Systems, Inc., Washtenaw	MDRD-3-81-40050	\$157,500.00	\$157,466.00	\$27,800.00	Complete	Closed
Western Twps. Utilities Auth., Wayne County	MDRD-3-82-10078	\$250,000.00	\$191,250.00	\$44,120.00	Complete	Closed
Wetland Foundation West Michigan, Kent Co.	MDRD-3-41-10017	\$11,200.00	\$11,200.00	\$1,976.00	Complete	Closed
Total Approved	21					
Total Canceled	5					
Total Funded	16	\$2,436,825.00	\$2,297,659.00	\$442,233.00		
Marketing Project (MP)						
Michigan Diversified Industries, Marquette Co.	MP-1-52-20007	\$45,300.00	\$29,124.00	\$45,300.00	Complete	Closed
Total Approved	1					
Total Canceled	0					
Total Funded	1	\$45,300.00	\$29,124.00	\$29,124.00		
Recycling-Collection/Processing (RP)						
Alloy Exchange, Inc., Kent County	RP-3-41-30066	\$500,000.00	\$500,000.00	\$166,667.00	Complete	Active
City of Ann Arbor, Washtenaw County	RP-3-81-00221	\$500,000.00	\$500,000.00	\$166,700.00	Complete	Active
City of Bay City, Bay County	RP-2-09-10035	\$54,800.00	\$48,800.00	\$18,270.00	Complete	Active
Village of Blissfield, Lenawee County	RP-3-46-20090	\$0.00	\$0.00	\$0.00	Canceled	Closed

Table II SWAP Projects Listed by Category

CATEGORY PROJECT/COUNTY	Contract Number	Amount Awarded	Final Grant Expenditure	Final Match	Financial Status	Contract Status
Village of Blissfield, Lenawee County	RP-3-46-20092	\$0.00	\$0.00	\$0.00	Canceled	Closed
City of Boyne City, Charlevoix County	RP-2-15-20042	\$0.00	\$0.00	\$0.00	Canceled	Closed
Branch County	RP-3-12-00089	\$0.00	\$0.00	\$0.00	Canceled	Closed
Village of Breckenridge, Gratiot County	RP-3-29-10121	\$1,400.00	\$1,275.00	\$467.00	Complete	Closed
Brooks, Frederick Sydney, Iosco County	RP-2-35-00130	\$0.00	\$0.00	\$0.00	Canceled	Closed
Brooks, Frederick Sydney, Iosco County	RP-2-35-00129	\$35,962.00	\$6,713.00	\$11,988.00	Complete	Active
City of Centerline, Macomb County	RP-3-50-00116	\$12,870.00	\$9,473.00	\$4,291.00	Complete	Active
Clare County	RP-2-18-50035	\$0.00	\$0.00	\$0.00	Canceled	Closed
Clinton County Board of Commissioners	RP-3-19-20084	\$105,000.00	\$96,284.00	\$35,000.00	Complete	Active
Clinton Township, Macomb County	RP-3-50-00083	\$99,943.00	\$98,810.00	\$33,314.00	Complete	Active
City of Coldwater, Branch County	RP-3-12-00091	\$0.00	\$0.00	\$0.00	Canceled	Closed
Community Recycling Ser., Muskegon County	RP-3-61-10132	\$413,000.00	\$398,978.00	\$137,700.00	Complete	Active
Contractor Container Corp., Livingston County	RP-3-47-00219	\$790,272.00	\$790,272.00	\$87,808.00	Complete	Active
Cumming Township, Ogemaw County	RP-2-65-10114	\$34,100.00	\$34,100.00	\$11,365.00	Complete	Active
Denton Township, Roscommon County	RP-2-72-50001	\$24,000.00	\$24,000.00	\$8,000.00	Complete	Active
Dickinson Co. Solid Waste Mgmt. Authority	RP-1-22-10033	\$26,600.00	\$23,734.00	\$8,865.00	Complete	Active
Downriver Recycling Center, Wayne County	RP-3-82-00190	\$0.00	\$0.00	\$0.00	Canceled	Active
City of East Lansing, Ingham County	RP-3-33-10094	\$143,200.00	\$143,200.00	\$47,740.00	Complete	Active
Eastern Michigan Univ., Washtenaw County	RP-3-81-20086	\$9,675.00	\$9,675.00	\$3,225.00	Complete	Active
Emmet County Department of Public Works	RP-2-24-11022	\$15,443.00	\$15,443.00	\$5,147.00	Complete	Active
Flushing Band & Orchestra Boosters, Genesee	RP-3-25-00051	\$9,000.00	\$6,467.00	\$3,000.00	Complete	Active
Flushing Township, Genesee County	RP-3-25-20098	\$14,731.00	\$13,414.00	\$4,910.00	Complete	Active
Franklin Iron & Metal Company, Calhoun County	RP-3-13-10024	\$90,300.00	\$85,015.00	\$30,100.00	Complete	Active
Gateway, Berrien County	RP-3-11-50006	\$63,000.00	\$62,982.00	\$21,000.00	Complete	Active
Gogebic Range Solid Waste Mgmt. Authority	RP-1-27-10015	\$133,400.00	\$133,400.00	\$44,470.00	Complete	Active
Gratiot County	RP-3-29-10112	\$2,800.00	\$2,800.00	\$933.00	Complete	Active
Gratiot County	RP-3-29-00155	\$1,088.00	\$1,088.00	\$362.00	Complete	Active
Great Lakes Paper Stock, Macomb County	RP-3-50-90077	\$0.00	\$0.00	\$0.00	Canceled	Closed
Great Lakes Waste Service, Oakland County	RP-3-63-00194	\$409,971.00	\$409,326.00	\$136,961.00	Complete	Active
GTP Industries, Grand Traverse County	RP-2-28-00025	\$9,000.00	\$7,875.00	\$3,000.00	Complete	Closed
GTP Industries, Inc., Grand Traverse County	RP-2-28-11012	\$46,791.00	\$37,416.00	\$12,472.00	Complete	Closed
Harper Hospital, Wayne County	RP-3-82-50014	\$50,500.00	\$40,969.00	\$16,835.00	Complete	Active
Huron County	RP-2-32-11017	\$6,599.00	\$6,599.00	\$2,200.00	Complete	Closed
Huron Township, Wayne County	RP-3-82-30028	\$61,300.00	\$61,114.00	\$20,435.00	Complete	Active

Table II SWAP Projects Listed by Category

CATEGORY PROJECT/COUNTY	Contract Number	Amount Awarded	Final Grant Expenditure	Final Match	Financial Status	Contract Status
Ingham County	RP-3-33-00197	\$86,561.00	\$82,383.00	\$28,854.00	Complete	Active
Ironland Disposal Service, Iron County	RP-1-36-10011	\$78,000.00	\$78,000.00	\$26,000.00	Complete	Active
City of Ishpeming, Marquette County	RP-1-52-50020	\$56,200.00	\$56,200.00	\$18,735.00	Complete	Active
Kamps Pallets, Kent County	RP-3-41-10065	\$123,700.00	\$123,700.00	\$41,240.00	Complete	Closed
Lubbers Resource Systems, Ottawa County	RP-3-70-00014	\$143,895.00	\$143,895.00	\$47,965.00	Complete	Active
City of Mackinac Island, Mackinac County	RP-1-49-00223	\$386,000.00	\$386,000.00	\$129,000.00	Complete	Active
City of Menominee, Menominee County	RP-1-55-00011	\$22,200.00	\$17,778.00	\$7,400.00	Complete	Active
Michigan State University, Ingham County	RP-3-33-10133	\$123,200.00	\$123,200.00	\$41,070.00	Complete	Active
Mid-Way Cullet (Strategic Materials), Wayne Co.	RP-3-82-00071	\$264,671.00	\$181,701.00	\$88,000.00	Complete	Active
Monroe County	RP-3-58-20053	\$0.00	\$0.00	\$0.00	Canceled	Closed
City of Mt. Clemens, Macomb County	RP-3-50-00125	\$0.00	\$0.00	\$0.00	Canceled	Closed
Norman Pestka Construction, Ontonagon County	RP-1-66-00044	\$22,055.00	\$19,496.00	\$7,351.00	Complete	Active
North American Env.Ser., Genesee County	RP-3-25-10087	\$325,100.00	\$92,606.00	\$108,390.00	Complete	Closed
Northern Refuse, Inc., Menominee County	RP-1-55-10019	\$3,200.00	\$2,999.00	\$1,067.00	Complete	Active
Northern Transitions, Inc., Chippewa County	RP-1-17-10037	\$171,800.00	\$171,800.00	\$57,275.00	Complete	Active
Perry Recycling & Salvage, Inc., Alger County	RP-1-2-20014	\$0.00	\$0.00	\$0.00	Canceled	Closed
R.J. Hoffman Management, Oakland County	RP-3-63-40048	\$0.00	\$0.00	\$0.00	Canceled	Closed
Recycle Livingston, Livingston County	RP-3-47-10044	\$14,200.00	\$14,200.00	\$4,733.00	Complete	Active
Region II Com. Action Agency, Hillsdale Co.	RP-3-30-00187	\$0.00	\$0.00	\$0.00	Canceled	Closed
Resource Rec. & Recy.Auth./SW Oakland Co.	RP-3-63-40047	\$500,000.00	\$500,000.00	\$166,667.00	Complete	Active
City of Riverview, Wayne County	RP-3-82-10083	\$0.00	\$0.00	\$0.00	Canceled	Closed
City of Roseville, Macomb County	RP-3-50-00117	\$13,641.00	\$3,883.00	\$4,547.00	Complete	Active
Saginaw Area SWMA	RP-2-73-40051	\$0.00	\$0.00	\$0.00	Canceled	Closed
Schoolcraft County	RP-1-77-40001	\$0.00	\$0.00	\$0.00	Canceled	Closed
Tasco, Baraga County	RP-1-07-10022	\$88,200.00	\$88,200.00	\$29,400.00	Complete	Active
Tuscola County	RP-2-79-50027	\$68,700.00	\$68,700.00	\$22,900.00	Complete	Active
University of Michigan, Washtenaw County	RP-3-81-10135	\$119,900.00	\$119,900.00	\$39,970.00	Complete	Active
Western Washtenaw Recycling Authority	RP-3-81-20023	\$330,400.00	\$330,400.00	\$110,130.00	Complete	Active
City of Wyandotte, Wayne County	RP-3-82-10016	\$13,800.00	\$13,800.00	\$4,600.00	Complete	Active
Ypsilanti Township, Washtenaw County	RP-3-81-10081	\$243,700.00	\$211,259.00	\$81,250.00	Complete	Active
Total Approved	68					
Total Canceled	17					
Total Funded	51	\$6,863,868.00	\$6,399,322.00	\$2,109,769.00		

Table II SWAP Projects Listed by Category

CATEGORY PROJECT/COUNTY	Contract Number	Amount Awarded	Final Grant Expenditure	Final Match	Financial Status	Contract Status
Statewide Project (SP)						
General Electric Plastics	SP---SP002	\$0.00	\$0.00	\$0.00	Canceled	Closed
Harwood Group/Project Outreach	SP---SP008	\$135,267.00	\$135,253.00	\$0.00	Complete	Closed
Michigan State University	SP-3-11023	\$140,475.00	\$140,418.00	\$46,830.00	Complete	Closed
Resource Integration Systems	SP---SP006	\$270,000.00	\$265,785.00	\$0.00	Complete	Closed
Used Oil Collection Pilot Project	SP---SP901	\$69,000.00	\$0.00	\$0.00	Canceled	Closed
Waste Systems Institute	SP---SP1013	\$39,700.00	\$31,255.00	\$0.00	Complete	Closed
Total Approved	6					
Total Canceled	2					
Total Funded	4	\$654,442.00	\$572,711.00	\$46,830.00		
Transfer Station Construction (TSC)						
Bloomingsdale Township, Van Buren County	TSC-3-80-50019	\$0.00	\$0.00	\$0.00	Canceled	Closed
Casco Township, Allegan County	TSC-3-03-20051	\$54,200.00	\$54,200.00	\$18,070.00	Complete	Active
Cumming Township, Ogemaw County	TSC-2-65-00127	\$115,500.00	\$115,500.00	\$38,500.00	Complete	Active
Halkias, Nick G., St. Clair County	TSC-3-74-50040	\$0.00	\$0.00	\$0.00	Canceled	Closed
Ironland Disposal Service, Iron County	TSC-1-36-10012	\$200,000.00	\$200,000.00	\$66,680.00	Complete	Active
Kent County	TSC-3-41-00160	\$200,000.00	\$200,000.00	\$66,800.00	Complete	Active
Limestone Township, Alger County	TSC-1-02-30032	\$0.00	\$0.00	\$0.00	Canceled	Closed
Manistique Rentals, Schoolcraft County	TSC-1-77-10018	\$168,100.00	\$168,100.00	\$56,040.00	Complete	Active
Schoolcraft County	TSC-1-77-20037	\$0.00	\$0.00	\$0.00	Canceled	Closed
Skandia Township, Marquette County	TSC-1-52-00240	\$111,212.00	\$111,212.00	\$37,071.00	Complete	Active
St. James & Peaine Townships, Charlevoix Co.	TSC-2-15-10007	\$172,500.00	\$172,500.00	\$57,500.00	Complete	Active
Waste Management, Inc., Luce County	TSC-1-48-20029	\$200,000.00	\$200,000.00	\$66,670.00	Complete	Active
Waste Management, Inc., Alger County	TSC-1-02-20027	\$200,000.00	\$200,000.00	\$66,670.00	Complete	Active
Waste Management, Inc., Marquette County	TSC-1-52-20028	\$129,500.00	\$129,500.00	\$43,160.00	Complete	Active
Wells Township, Marquette County	TSC-1-52-10013	\$29,183.00	\$1,243.00	\$9,728.00	Complete	Closed
Total Approved	15					
Total Canceled	4					
Total Funded	11	\$1,580,195.00	\$1,552,255.00	\$2,079,144.00		

Table II SWAP Projects Listed by Category

CATEGORY PROJECT/COUNTY	Contract Number	Amount Awarded	Final Grant Expenditure	Final Match	Financial Status	Contract Status
Waste Reduction Research & Demonstration (WRRD)						
Grand Valley State University, Ottawa County	WRRD-3-70-10028	\$172,700.00	\$163,062.00	\$30,480.00	Complete	Closed
Michigan State University, Ingham County	WRRD-3-33-20065	\$20,400.00	\$16,479.00	\$3,600.00	Complete	Closed
Michigan Technological University, Houghton Co.	WRRD-1-31-00054	\$248,679.00	\$248,627.00	\$43,885.00	Complete	Closed
Michigan Technological University, Houghton Co.	WRRD-1-31-00095	\$39,667.00	\$39,667.00	\$7,000.00	Complete	Closed
Tiny Tot Diaper Service, Saginaw Co.	WRRD-2-73-10113	\$63,800.00	\$55,436.00	\$7,090.00	Complete	Active
University of Michigan, Washtenaw County	WRRD-3-81-00039	\$48,875.00	\$46,715.00	\$8,625.00	Complete	Closed
W W Engineering & Science	WRRD-3-41-00173	\$90,170.00	\$90,058.00	\$15,900.00	Complete	Closed
Total Approved	7					
Total Canceled	0					
Total Funded	7	\$684,291.00	\$660,044.00	\$116,580.00		
Waste to Energy (WTE)						
Central Wayne Air Quality & Energy Recovery Limited Partnership, Wayne County	WTE-3-82-30058	\$5,000,000.00	\$5,000,000.00	\$29,500,000.00	Complete	Active
Total Approved	1					
Total Canceled	0					
Total Funded	1	\$5,000,000.00	\$5,000,000.00	\$29,500,000.00		
Grand Total Approved	355					
Grand Total Canceled	60					
GRAND TOTALS	295	\$113,810,123.00	\$102,293,681.00	\$57,363,416.00		

Table III SWAP Projects Listed by County

County	Project Name	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	Fiscal Year	Final Report Date
Alger	Burt Township	CLS-1-02-81	\$327,447.00	Complete	Active	89/90	1/21/2022
	Limestone & Mathias Townships	CLS-1-02-71	\$236,716.00	Complete	Active	89/90	9/5/2022
	Rock River Township	CLS-1-02-37	\$241,905.00	Complete	Active	89/90	5/21/2022
	Alger Soil Conservation District	ED-1-02-20002	\$4,198.00	Complete	Closed	91/92	4/24/1995
	Peninsula Sanitation, Inc.	TSC-1-02-20027	\$200,000.00	Complete	Active	91/92	12/31/2003
Total		5	\$1,010,266.00				
Allegan	Ampro Industries, Inc.	MD-3-03-30053	\$844,100.00	Complete	Closed	92/93	3/1/2001
	Casco Township	TSC-3-03-20051	\$54,200.00	Complete	Active	91/92	8/10/2003
Total		2	\$898,300.00				
Antrim	Antrim County Resource Recovery	ED-2-05-10045	\$1,463.00	Complete	Closed	90/91	11/3/1994
Total		1	\$1,463.00				
Baraga	Village of L'Anse	CLS-1-07-05	\$306,176.00	Complete	Active	89/90	3/3/2002
	Tasco	RP-1-07-10022	\$88,200.00	Complete	Active	90/91	9/30/2001
Total		2	\$394,376.00				
Barry	Recycling in Barry County	ED-3-08-10041	\$14,900.00	Complete	Closed	90/91	11/5/1995
Total		1	\$14,900.00				
Bay	City of Bay City	RP-2-09-10035	\$48,800.00	Complete	Active	90/91	4/30/2003
Total		1	\$48,800.00				
Berrien	City of Buchanan	CMC-3-11-00198	\$603,297.00	Complete	Active	89/90	11/30/2005
	Southeast Berrien County Landfill Authority	HHWC-3-11-10069	\$45,100.00	Complete	Active	90/91	2/28/2005
	Gateway	RP-3-11-50006	\$62,982.00	Complete	Active	94/95	2/28/2006
Total		3	\$711,379.00				
Branch	Branch County	ED-3-12-00090	\$9,472.00	Complete	Closed	89/90	4/19/1995
Total		1	\$9,472.00				

Table III SWAP Projects Listed by County

County	Project Name	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	Fiscal Year	Final Report Date
Calhoun	Calhoun County Health Department	HHWC-3-13-10040	\$74,400.00	Complete	Active	90/91	2/28/2002
	Polycytek L.L.C.	MD-3-13-40011	\$3,185,785.00	Complete	Active	93/94	2/28/2008
	Rock-Tenn Co. (formerly Waldorf Corporation)	MD-3-13-00165	\$1,646,821.00	Complete	Active	89/90	5/31/2002
	Michigan Paperboard Company	MD-3-13-00209	\$2,769,117.00	Complete	Active	89/90	12/31/2001
	Franklin Iron & Metal Company	RP-3-13-10024	\$85,015.00	Complete	Active	90/91	12/31/2001
Total		5	\$7,761,138.00				
Cass	Watson's Tree Service	MD-3-24-50008	\$310,100.00	Complete	Active	89/90	8/30/2006
	City of Dowagiac	CLS-3-14-62	\$521,416.00	Complete	Active	95/95	9/23/2022
Total		2	\$831,516.00				
Charlevoix	St. James & Peaine Townships	CLS-2-15-15	\$177,300.00	Complete	Active	89/90	4/16/2022
	WATCH (Water and Air Team Charlevoix)	ED-2-15-10006	\$3,800.00	Complete	Closed	90/91	9/30/1991
	St. James & Peaine Townships	TSC-2-15-10007	\$172,500.00	Complete	Active	90/91	9/30/2001
Total		3	\$353,600.00				
Cheboygan	Mullett Township	CLS-1-16-10	305341	Complete	Active	90/91	10/12/2021
	Inverness Township	CLS-2-16-90119	411750	Complete	Active	88/89	10/8/2022
Total		2	\$717,091.00				
Chippewa	Trout Lake Township	CLS-1-17-70	\$99,217.00	Complete	Active	89/90	2/1/2022
	Raber Township	CLS-1-17-75	\$80,203.00	Complete	Active	90/91	8/18/2023
	Village of DeTour Village	CLS-1-17-72	\$319,796.00	Complete	Active	90/91	11/17/2022
	City of Sault Ste. Marie	CP-1-17-20041	\$75,900.00	Complete	Active	91/92	1/15/2004
	Northern Transitions, Inc.	RP-1-17-10037	\$171,800.00	Complete	Active	90/91	2/28/2002
Total		5	\$746,916.00				
Clare	Franklin Township	CLS-2-18-84	\$85,426.00	Complete	Active	89/90	2/28/2027
	City of Harrison	CLS-2-18-23	\$477,355.00	Complete	Active	89/90	5/8/2022
	Sheridan Township	CLS-2-18-58	\$138,682.00	Complete	Active	90/91	3/11/2023

Table III SWAP Projects Listed by County

County	Project Name	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	Fiscal Year	Final Report Date
	Surrey Township	CLS-2-18-29	\$316,216.00	Complete	Active	89/90	12/16/2021
Total		4	\$1,017,679.00				
Clinton	Clinton County Board of Commissioners	RP-3-19-20084	\$96,284.00	Complete	Active	91/92	2/28/2004
Total		1	\$96,284.00				
Delta	Delta Solid Waste Management Authority	CMC-1-21-00008	\$1,098,235.00	Complete	Active	89/90	2/28/2005
Total		1	\$1,098,235.00				
Dickinson	Central Landfill Authority	CLS-1-22-76	\$600,000.00	Complete	Active	89/90	2/4/2022
	Dickinson Co. Solid Waste Mgmt. Authority	CP-1-22-10034	\$42,587.00	Complete	Active	90/91	2/28/2003
	Dickinson Co. Solid Waste Mgmt. Authority	HHWC-1-22-10032	\$54,060.00	Complete	Active	90/91	2/28/2004
	Dickinson Co. Solid Waste Mgmt. Authority	RP-1-22-10033	\$23,734.00	Complete	Active	90/91	2/28/2005
Total		4	\$720,381.00				
Eaton	Village of Vermontville	CP-3-23-40032	\$10,100.00	Complete	Active	93/94	2/28/2007
	Kamps Pallets, Inc.	MD-3-23-40029	\$155,918.00	Complete	Active	93/94	3/1/2005
Total		2	\$166,018.00				
Emmet	Recycle North	ED-2-24-00077	\$19,748.00	Complete	Closed	89/90	5/11/1995
	Emmet County Department of Public Works	HHWC-2-24-20055	\$100,000.00	Complete	Active	91/92	2/28/2006
	Petoskey Plastics, Inc.	MD-2-24-10136	\$1,222,500.00	Complete	Active	90/91	6/3/2003
	Emmet County Department of Public Works	RP-2-24-11022	\$15,443.00	Complete	Active	90/91	2/28/2002
Total		4	\$1,357,691.00				
Genesee	Flushing Township	RP-3-25-20098	\$13,414.00	Complete	Active	91/92	2/28/2005
	Flushing Band & Orchestra Boosters	RP-3-25-00051	\$6,467.00	Complete	Active	89/90	2/28/2002
	North American Environmental Services	RP-3-25-10087	\$92,606.00	Complete	Closed	90/91	2/17/1994
	Environmental Rubber Recycling	MD-3-25-40060	\$789,500.00	Complete	Active	93/94	3/31/2006
	American Commodities Inc.	MD-3-25-40037	\$790,677.00	Complete	Active	93/94	2/28/2006
	City of Davison	CP-3-25-10001	\$21,221.00	Complete	Active	90/91	2/28/2004
Total		6	\$1,713,885.00				

Table III SWAP Projects Listed by County

County	Project Name	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	Fiscal Year	Final Report Date
Gogebic	Ironwood Charter Township	CLS-1-27-78	\$455,402.00	Complete	Active	89/90	1/9/2022
	City of Ironwood	CLS-1-27-32	\$600,000.00	Complete	Active	89/90	8/23/2023
	Bessemer Township	CLS-1-27-19	\$144,507.00	Complete	Active	89/90	12/13/2021
	City of Bessemer	CLS-1-27-03	\$331,499.00	Complete	Active	89/90	3/6/2023
	Marenisco Township	CLS-1-27-26	\$118,285.00	Complete	Active	89/90	4/27/2022
	Erwin Township	CLS-1-27-16	\$181,034.00	Complete	Active	89/90	2/8/2022
	Watersmeet Township	CLS-1-27-11	\$229,880.00	Complete	Active	89/90	5/1/2022
	City of Wakefield	CLS-1-27-04	\$360,570.00	Complete	Active	89/90	10/2/2022
	Gogebic Range Solid Waste Mgmt. Authority	CP-1-27-40021	\$67,600.00	Complete	Active	93/94	8/31/2005
	Gogebic Range Solid Waste Mgmt. Authority	RP-1-27-10015	\$133,400.00	Complete	Active	90/91	12/31/2001
Total		10	\$2,622,177.00				
Grand Traverse	Grand Traverse County	CP-2-28-20094	\$159,554.00	Complete	Active	91/92	2/28/2008
	Grand Traverse County	ED-2-28-40042	\$33,808.00	Complete	Active	93/94	2/28/2001
	Grand Traverse County	HHWC-2-28-10130	\$85,745.00	Complete	Active	90/91	3/10/2005
	GTP Industries, Inc.	RP-2-28-00025	\$7,875.00	Complete	Closed	89/90	12/10/1996
	GTP Industries, Inc.	RP-2-28-11012	\$37,416.00	Complete	Closed	90/91	12/10/1996
Total		5	\$324,398.00				
Gratiot	Village of Breckenridge	RP-3-29-10121	\$1,275.00	Complete	Closed	90/91	11/28/1995
	Gratiot County	RP-3-29-10112	\$2,800.00	Complete	Active	90/91	1/15/2003
	Gratiot County	RP-3-29-00155	\$1,088.00	Complete	Active	89/90	8/8/2002
Total		3	\$5,163.00				
Hillsdale	Region II Community Action Agency	ED-3-30-00188	\$7,018.00	Complete	Closed	89/90	8/30/1996
Total		1	\$7,018.00				
Houghton	Calumet Charter Township	CLS-1-31-27	\$600,000.00	Complete	Active	89/90	11/12/2021
	Michigan Technological University	ED-1-31-30024	\$36,491.00	Complete	Closed	92/93	2/28/2000
	Great Lakes Plastics Corporation	MD-1-31-30023	\$16,769.00	Complete	Closed	90/91	11/2/1999
	Michigan Technological University	MDRD-1-31-20024	\$217,278.00	Complete	Closed	91/92	2/28/1997
	Michigan Technological University	MDRD-1-31-20025	\$243,000.00	Complete	Closed	91/92	2/28/1997
Michigan Technological University	MDRD-1-31-40002	\$126,743.00	Complete	Closed	93/94	2/28/1999	

Table III SWAP Projects Listed by County

County	Project Name	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	Fiscal Year	Final Report Date
	Michigan Technological University	MDRD-1-31-10055	\$148,896.00	Complete	Closed	90/91	1/25/1996
	Michigan Technological University	MDRD-1-31-40014	\$203,700.00	Complete	Closed	93/94	2/28/1999
	Michigan Technological University	WRRD-1-31-00054	\$248,627.00	Complete	Closed	89/90	2/28/1998
	Michigan Technological University	WRRD-1-31-00095	\$39,667.00	Complete	Closed	89/90	2/28/1998
Total		10	\$1,881,171.00				
Huron	Village of Caseville	CMC-2-32-00073	\$300,187.00	Complete	Active	89/90	2/28/2000
	Huron County	ED-2-32-20032	\$50,000.00	Complete	Closed	91/92	3/3/1997
	Huron County	ED-2-32-11016	\$2,984.00	Complete	Closed	90/91	1/29/1997
	Huron County	RP-2-32-11017	\$6,599.00	Complete	Closed	90/91	1/22/1996
Total		4	\$359,770.00				
Ingham	City of Lansing	CMC-3-33-00153	\$2,282,554.00	Complete	Active	89/90	3/1/2005
	Michigan Recycling Coalition	ED-3-33-20050	\$44,874.00	Complete	Closed	91/92	2/6/1997
	Michigan State University	ED-3-33-10134	\$37,400.00	Complete	Closed	90/91	3/27/1996
	Ingham County	ED-3-33-00196	\$50,000.00	Complete	Closed	89/90	6/7/1995
	City of East Lansing	ED-3-33-10091	\$40,058.00	Complete	Closed	90/91	8/4/1995
	Ingham County	HHWC-3-33-10005	\$99,990.00	Complete	Active	90/91	5/11/2001
	Applegate Insulation Mfr., Ingham County	MD-3-33-30083	\$1,463,500.00	Complete	Active	92/93	2/28/2007
	Michigan Polymer Reclaim (Marsh, Paul S.)	MD-3-33-11010	\$440,000.00	Complete	Active	90/91	2/28/2003
	Innotech International, Inc.	MDRD-3-33-40049	\$82,300.00	Complete	Closed	93/94	2/26/1999
	Michigan Chemical Council	MDRD-3-33-00220	\$100,076.00	Complete	Closed	89/90	3/24/1994
	Michigan State University	MDRD-3-33-30006	\$94,600.00	Complete	Closed	92/93	2/28/1998
	Michigan State University	MDRD-3-33-40012	\$98,645.00	Complete	Closed	93/94	2/8/1999
	Michigan State University	MDRD-3-33-20066	\$112,200.00	Complete	Closed	91/92	2/28/1997
	Michigan State University	RP-3-33-10133	\$123,200.00	Complete	Active	90/91	2/28/2004
	City of East Lansing	RP-3-33-10094	\$143,200.00	Complete	Active	90/91	2/28/2002
	Ingham County	RP-3-33-00197	\$82,383.00	Complete	Active	89/90	2/28/2002
	Michigan State University	WRRD-3-33-20065	\$16,479.00	Complete	Closed	91/92	3/31/1997
Total		17	\$5,311,459.00				
Ionia	Ionia County	HHWC-3-34-30088	\$67,978.00	Complete	Active	92/93	11/30/2006
Total		1	\$67,978.00				

Table III SWAP Projects Listed by County

County	Project Name	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	Fiscal Year	Final Report Date
Iosco	City of Whittemore	CLS-2-35-63	\$263,483.00	Complete	Active	90/91	7/15/2023
	Brooks, Frederick Sydney	RP-2-35-00129	\$6,713.00	Complete	Active	89/90	2/28/2002
Total		2	\$270,196.00				
Iron	Crystal Falls Township	CLS-1-36-17	\$280,921.00	Complete	Active	89/90	10/31/2022
	City of Crystal Falls	CLS-1-36-87	\$288,431.00	Complete	Active	90/91	9/5/2023
	Hematite Township	CLS-1-36-57	\$135,378.00	Complete	Active	89/90	10/31/2022
	Iron River Township	CLS-1-36-18	\$189,219.00	Complete	Active	90/91	9/5/2022
	City of Iron River	CLS-1-36-08	\$473,781.00	Complete	Active	89/90	9/3/2022
	Ironland Disposal Service	RP-1-36-10011	\$78,000.00	Complete	Active	90/91	9/30/2001
	Ironland Disposal Service	TSC-1-36-10012	\$200,000.00	Complete	Active	90/91	12/31/2001
	Total		7	\$1,645,730.00			
Isabella	Wise Township	CLS-2-37-33	\$427,279.00	Complete	Active	89/90	5/9/2022
	Isabella County	CMC-2-37-00195	\$1,693,926.00	Complete	Active	89/90	2/28/2004
	Olson Firestone Service	MD-2-37-30026	\$168,500.00	Complete	Active	92/93	2/28/2003
	Olson Firestone Service	MD-2-37-00010	\$37,331.00	Complete	Closed	89/90	3/1/1994
	Olson Firestone Service	MD-2-37-00009	\$168,300.00	Complete	Active	89/90	2/28/2003
Total		5	\$2,495,336.00				
Kalamazoo	Kalamazoo County	HHWC-3-39-40005	\$100,000.00	Complete	Active	93/94	5/20/2008
	Graphic Packaging Corporation (James River)	MD-3-39-10118	\$5,000,000.00	Complete	Active	90/91	2/28/2003
	Georgia-Pacific Corporation	MD-3-39-40004	\$5,000,000.00	Complete	Active	93/94	2/28/2011
Total		3	\$10,100,000.00				
Kalkaska	Clearbrook Companies (Northern A-1 Services)	CP-2-40-90014	\$37,199.00	Complete	Active	88/89	2/28/2004
	Northern A-1 Services, Inc.	MD-2-40-20106	\$50,700.00	Complete	Active	91/92	2/28/2003
Total		2	\$87,899.00				
Kent	Kent County	ED-3-41-40040	\$12,400.00	Complete	Closed	93/94	1/27/1997
	Kent County	HHWC-3-41-10129	\$53,600.00	Complete	Active	90/91	9/30/2003
	Kent County	HHWC-3-41-10128	\$53,400.00	Complete	Active	90/91	2/28/2004

Table III SWAP Projects Listed by County

County	Project Name	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	Fiscal Year	Final Report Date
	Wetland Foundation West Michigan	MDRD-3-41-10017	\$11,200.00	Complete	Closed	90/91	11/13/1995
	Alloy Exchange, Inc.	RP-3-41-30066	\$500,000.00	Complete	Active	90/91	12/31/2004
	Kamps Pallets, Inc.	RP-3-41-10065	\$123,700.00	Complete	Closed	90/91	1/30/2001
	Kent County	TSC-3-41-00160	\$200,000.00	Complete	Active	89/90	6/30/2001
	W W Engineering & Science	WRRD-3-41-00173	\$90,058.00	Complete	Closed	89/90	2/28/1996
Total		8	\$1,044,358.00				
Keweenaw	Allouez Township	CLS-1-42-09	197598	Complete	Active	89/90	7/3/2022
	Grant Township (Copper Harbor)	CLS-1-42-45	229949	Complete	Active	89/90	7/3/2022
	Grant Township (Lac Labelle)	CLS-1-42-46	93501	Complete	Active	89/90	7/3/2022
Total		3	\$521,048.00				
Leelanau	Leelanau Count Planning Department	ED-2-45-20114	\$10,619.00	Complete	Closed	91/92	3/19/1998
Total		1	\$10,619.00				
Lenawee	Lenawee County	HHWC-3-46-50005	\$95,500.00	Complete	Active	94/95	2/28/2008
	Ludlow Building Products, Inc. (Simplex Prod.)	MD-3-46-60009	\$2,873,221.00	Complete	Active	95/96	2/28/2007
Total		2	\$2,968,721.00				
Livingston	Livingston County	CLS-3-47-30	\$518,449.00	Complete	Active	89/90	3/21/2022
	Contractor Container Corporation (Loan)	RP-3-47-00219	\$790,272.00	Complete	Active	89/90	7/19/2001
	Recycle Livingston	RP-3-47-10044	\$14,200.00	Complete	Active	90/91	2/28/2002
Total		3	\$1,322,921.00				
Luce	Village of Newberry	CLS-1-48-31	\$460,189.00	Complete	Active	89/90	3/30/2023
	Waste Management, Inc. (Peninsula Sanitation)	TSC-1-48-20029	\$200,000.00	Complete	Active	91/92	2/28/2004
Total		2	\$660,189.00				
Mackinac	City of Mackinac Island	CLS-1-49-90120	\$600,000.00	Complete	Active	88/89	9/5/2023
	Clark Township	CLS-1-49-55	\$240,942.00	Complete	Active	90/91	5/1/2022
	Moran Township (Brevort Area)	CLS-1-49-13	\$151,080.00	Complete	Active	89/90	7/29/2022
	Bois Blanc Township	CLS-1-49-49	\$139,274.00	Complete	Active	89/90	7/29/2022

Table III SWAP Projects Listed by County

County	Project Name	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	Fiscal Year	Final Report Date
	City of Mackinac Island	CP-1-49-00218	\$86,000.00	Complete	Active	89/90	2/28/2004
	City of Mackinac Island	RP-1-49-00223	\$386,000.00	Complete	Active	89/90	2/28/2005
Total		6	\$1,603,296.00				
Macomb	Indian Summer Recycling (Grosse Pte.-Clinton)	CP-3-50-00059	\$39,329.00	Complete	Active	89/90	2/28/2002
	City of Mt. Clemens	ED-3-50-50018	\$7,433.00	Complete	Closed	94/95	2/28/2000
	Cities of Roseville & East Detroit	ED-3-50-00120	\$12,887.00	Complete	Closed	89/90	2/11/1997
	Clinton Twp/City of Mt. Clemens	ED-3-50-00084	\$5,636.00	Complete	Closed	89/90	2/28/1996
	City of St. Clair Shores	ED-3-50-50032	\$22,400.00	Complete	Closed	94/95	3/29/2000
	City of Centerline	RP-3-50-00116	\$9,473.00	Complete	Active	89/90	2/28/2002
	Clinton Township	RP-3-50-00083	\$98,810.00	Complete	Active	89/90	2/28/2002
	City of Roseville	RP-3-50-00117	\$3,883.00	Complete	Active	89/90	2/28/2002
Total		8	\$199,851.00				
Manistee	City of Manistee	CP-2-51-90107	\$28,432.00	Complete	Closed	88/89	2/13/2001
	Packaging Corporation of America	MD-2-51-20064	\$4,770,789.00	Complete	Active	91/92	2/28/2005
Total		2	\$4,799,221.00				
Marquette	Powell Township	CLS-1-52-67	\$183,872.00	Complete	Active	89/90	9/3/2023
	Ewing Township	CLS-2-52-47	\$89,457.00	Complete	Active	90/91	9/5/2023
	Skandia Township	CLS-1-52-90122	\$274,813.00	Complete	Active	88/89	1/23/2022
	Twp & City of Negaunee/City of Ishpeming	CLS-1-52-21	\$600,000.00	Complete	Active	89/90	7/3/2022
	Wells Township	CLS-2-52-56	\$89,232.00	Complete	Active	90/91	9/5/2023
	City of Negaunee	CP-1-52-20040	\$12,100.00	Complete	Active	91/92	2/28/2004
	Northern Michigan University, Seaborg Center	ED-1-52-00066	\$21,701.00	Complete	Closed	89/90	5/30/1995
	Marquette County Solid Waste Mgmt. Authority	ED-1-52-10061	\$22,000.00	Complete	Closed	90/91	2/13/1995
	Marquette County Solid Waste Mgmt. Authority	HHWC-1-52-20101	\$100,000.00	Complete	Active	91/92	2/28/2006
	Michigan Diversified Industries	MP-1-52-20007	\$29,124.00	Complete	Closed	91/92	5/10/1995
	City of Ishpeming	RP-1-52-50020	\$56,200.00	Complete	Active	94/95	2/28/2007
	Skandia Township	TSC-1-52-00240	\$111,212.00	Complete	Active	89/90	6/30/2003
	Waste Management, Inc.	TSC-1-52-20028	\$129,500.00	Complete	Active	91/92	2/28/2004
	Wells Township	TSC-1-52-10013	\$1,243.00	Complete	Closed	90/91	12/7/1995
Total		14	\$1,720,454.00				

Table III SWAP Projects Listed by County

County	Project Name	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	Fiscal Year	Final Report Date
Mason	Mason County (Pere Marquette Landfill)	CLS-3-53-12	\$600,000.00	Complete	Active	89/90	3/21/2022
Total		1	\$600,000.00				
Menominee	Cedarville Township	CLS-1-55-40	\$67,957.00	Complete	Active	89/90	7/28/2022
	Village of Daggett	CLS-1-55-51	\$171,522.00	Complete	Active	89/90	8/13/2022
	Faithorn Township	CLS-1-55-34	\$61,927.00	Complete	Active	89/90	8/11/2022
	Harris Township	CLS-1-55-54	\$143,774.00	Complete	Active	89/90	7/3/2022
	Holmes Township	CLS-1-55-39	\$64,570.00	Complete	Active	89/90	7/3/2022
	Mellen Township	CLS-1-55-50	\$206,163.00	Complete	Active	90/91	9/5/2023
	Meyer Township	CLS-1-55-28	\$161,853.00	Complete	Active	89/90	7/3/2022
	Nadeau Township	CLS-1-55-44	\$165,375.00	Complete	Active	89/90	7/3/2022
	Spaulding Township	CLS-1-55-90124	\$119,787.00	Complete	Active	88/89	1/23/2022
	City of Stephenson	CLS-1-55-38	\$154,662.00	Complete	Active	89/90	7/3/2022
	River Cities Recycling Com.	ED-1-55-10031	\$18,682.00	Complete	Closed	90/91	11/30/1993
	City of Menominee	RP-1-55-00011	\$17,778.00	Complete	Active	89/90	2/28/2002
	Northern Refuse, Inc.(Co. Soil/Water Cons. Dist.)	RP-1-55-10019	\$2,999.00	Complete	Active	90/91	2/28/2002
Total		13	\$1,357,049.00				
Midland	Midland Volunteers For Recycling	ED-2-56-10029	\$15,409.00	Complete	Closed	90/91	10/31/1993
Total		1	\$15,409.00				
Monroe	Clean Tech, Inc.	MD-3-58-10142	\$891,357.00	Complete	Active	90/91	2/28/2005
Total		1	\$891,357.00				
Montcalm	Village of Edmore	CP-3-59-00006	\$1,228.00	Complete	Active	89/90	2/28/2003
Total		1	\$1,228.00				
Muskegon	City of Muskegon	ED-3-61-11001	\$9,256.00	Complete	Closed	90/91	5/29/1995
	K L Industries	MDRD-3-61-11004	\$77,743.00	Complete	Closed	90/91	5/1/1995
	Community Recycling Ser. (White Lake Landco)	RP-3-61-10132	\$398,978.00	Complete	Active	90/91	2/28/2004
Total		3	\$485,977.00				
Newaygo	Newaygo County Board of Public Works	ED-3-62-10010	\$12,619.00	Complete	Closed	90/91	2/1/1995
	City of Fremont	CP-3-62-00017	\$15,337.00	Complete	Active	89/90	2/28/2002

Table III SWAP Projects Listed by County

County	Project Name	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	Fiscal Year	Final Report Date
Total		2	\$27,956.00				
Oakland	Cadillac Products	MD-3-63-50039	\$3,951,132.00	Complete	Active	94/95	2/28/2008
	Southeastern Oakland Co. Res. Rec. Auth.	CMC-3-63-00046	\$2,769,025.00	Complete	Active	89/90	2/28/2003
	City of Madison Heights	CP-3-63-90088	\$50,760.00	Complete	Active	88/89	2/28/2003
	Independence Township	ED-3-63-10101	\$22,734.00	Complete	Closed	90/91	6/28/1995
	City of Oak Park	ED-3-63-30009	\$39,521.00	Complete	Closed	92/93	4/13/1998
	Resource Recovery & Recycling A. Oakland Co.	ED-3-63-50009	\$4,700.00	Complete	Closed	94/95	3/4/1999
	Southeastern Oakland Co. Res. Rec. Authority	MD-3-63-00045	\$75,900.00	Complete	Active	89/90	2/28/2003
	Great Lakes Waste Service (Clarkston Disposal)	RP-3-63-00194	\$409,326.00	Complete	Active	89/90	2/28/2003
	Resource Rec. & Recy.Auth. of SW Oakland Co.	RP-3-63-40047	\$500,000.00	Complete	Active	93/94	2/28/2005
Total		9	\$7,823,098.00				
Oceana	Shelby Township	CLS-3-64-90121	\$450,000.00	Complete	Active	88/89	9/8/2022
	Village of Pentwater	CP-3-64-40033	\$96,846.00	Complete	Active	93/94	2/28/2006
Total		2	\$546,846.00				
Ogemaw	Cumming Township	CLS-1-65-06	\$290,124.00	Complete	Active	90/91	7/15/2023
	Richland Township	CLS-2-65-07	\$141,194.00	Complete	Active	89/90	5/9/2022
	O G Recovery	ED-2-65-00109	\$17,598.00	Complete	Closed	89/90	2/9/1994
	Cumming Township	RP-2-65-10114	\$34,100.00	Complete	Active	90/91	2/28/2002
	Cumming Township	TSC-2-65-00127	\$115,500.00	Complete	Active	89/90	2/28/2002
Total		5	\$598,516.00				
Ontonagon	Greenland Township	CLS-1-66-73	\$125,390.00	Complete	Active	90/91	9/5/2023
	Interior Township	CLS-1-66-68	\$76,404.00	Complete	Active	89/90	6/30/2025
	Tri-Township Landfill	CLS-1-66-82	\$127,639.00	Complete	Active	90/91	10/20/2023
	Rockland Township	CLS-1-66-52	\$159,300.00	Complete	Active	89/90	7/3/2022
	Norman Pestka Construction	RP-1-66-00044	\$19,496.00	Complete	Active	89/90	2/28/2002
Total		5	\$508,229.00				
Ottawa	Holland Charter Township	CLS-3-70-83	\$515,057.00	Complete	Active	89/90	12/29/2022

Table III SWAP Projects Listed by County

County	Project Name	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	Fiscal Year	Final Report Date
	Able Sanitation, Inc.	CP-3-70-20075	\$30,929.00	Complete	Closed	91/92	7/8/1993
	Eagle Ottawa Newaygo Farms, Inc.	CP-3-70-30018	\$223,400.00	Complete	Active	92/93	2/28/2005
	Spring Lake/City of Ferrysburg	CP-3-70-10071	\$58,000.00	Complete	Active	90/91	2/28/2002
	Able Sanitation	ED-3-70-10143	\$17,500.00	Complete	Closed	90/91	2/28/1996
	Ottawa County	ED-3-70-00018	\$28,476.00	Complete	Closed	89/90	3/22/1995
	Compost Soil Technologies, Inc.	MD-3-70-50007	\$285,494.00	Complete	Active	94/95	2/28/2006
	GPM Industries, Inc.	MD-3-70-11007	\$35,960.00	Complete	Closed	90/91	8/31/1995
	Resource Recovery Corp. of West Michigan	MD-3-70-40038	\$2,475,320.00	Complete	Active	93/94	2/28/2006
	Lubbers Resource Systems	RP-3-70-00014	\$143,895.00	Complete	Active	89/90	2/28/2002
	Grand Valley State University	WRRD-3-70-10028	\$163,062.00	Complete	Closed	90/91	2/26/1997
Total		11	\$3,977,093.00				
Roscommon	Denton Township	CP-2-72-50002	\$36,300.00	Complete	Active	94/95	2/28/2006
	Roscommon Township	ED-2-72-00079	\$5,248.00	Complete	Closed	89/90	4/25/95
	Roscommon Township	ED-2-72-30001	\$14,969.00	Complete	Closed	92/93	4/25/1995
	Denton Township	RP-2-72-50001	\$24,000.00	Complete	Active	94/95	2/28/2006
Total		4	\$80,517.00				
Saginaw	City of Saginaw	CP-2-73-40028	\$88,500.00	Complete	Active	93/94	2/28/2005
	Hartley Outdoor Education Center	ED-2-73-40045	\$30,403.00	Complete	Closed	93/94	2/23/2001
	Tiny Tot Diaper Service (Loan)	WRRD-2-73-10113	\$55,436.00	Complete	Active	90/91	11/5/2000
Total		3	\$174,339.00				
Sanilac	Sanilac County	ED-2-76-40043	\$49,100.00	Complete	Closed	93/94	4/14/1999
Total		1	\$49,100.00				
Schoolcraft	Manistique Papers, Inc.	MD-1-77-60008	\$5,000,000.00	Complete	Active	95/96	2/28/2010
	Manistique Rentals	TSC-1-77-10018	\$168,100.00	Complete	Active	90/91	2/28/2001
Total		2	\$5,168,100.00				
Shiawassee	City of Laingsburg	CP-3-78-40003	\$18,308.00	Complete	Active	93/94	2/28/2005
Total		1	\$18,308.00				

Table III SWAP Projects Listed by County

County	Project Name	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	Fiscal Year	Final Report Date
St. Clair	City of Algonac	CP-3-74-30060	\$14,886.00	Complete	Active	92/93	2/28/2004
	Village of Capac	CP-3-74-20005	\$13,441.00	Complete	Active	91/92	2/28/2002
	St. Clair Co. Metro. Planning Committee	ED-3-74-20021	\$27,998.00	Complete	Closed	91/92	3/4/1997
	St. Clair Co. Cooperative Extension Service	ED-3-74-00213	\$28,142.00	Complete	Closed	89/90	6/9/1995
	St. Clair County Metro Planning Commission	HHWC-3-74-10073	\$100,000.00	Complete	Active	90/91	2/28/2004
	Blue Water Fiber Limited Partnership	MD-3-74-30022	\$5,000,000.00	Complete	Active	92/93	2/28/2006
Total		6	\$5,184,467.00				
St. Joseph	City of Three Rivers, St. Joseph County	CP-3-75-20047	\$74,100.00	Complete	Active	91/92	2/28/2003
	Westside Landfill, St. Joseph County	HHWC-3-75-10115	\$32,933.00	Complete	Active	90/91	2/28/2005
Total		2	\$107,033.00				
Tuscola	City of Cass City	CLS-2-79-22	\$235,472.00	Complete	Active	89/90	5/9/2022
	Tuscola Co. Cooperative Extension Service	ED-2-79-20002	\$20,743.00	Complete	Closed	91/92	2/26/1997
	Tuscola County	RP-2-79-50027	\$68,700.00	Complete	Active	94/95	2/28/2007
Total		3	\$324,915.00				
Van Buren	Geneva Township	CLS-3-80-90118	226935	Complete	Active	88/89	10/26/2021
	South Haven Township	CLS-3-80-90123	255482	Complete	Active	88/89	10/26/2021
	Van Buren Co. Cooperative Extension Service	ED-3-80-40013	17800	Complete	Closed	93/94	2/17/1999
Total		3	\$500,217.00				
Washtenaw	City of Plymouth (Salem Landfill)	CLS-3-81-42	\$600,000.00	Complete	Active	89/90	6/30/2025
	Ypsilanti Township	CP-3-81-00074	\$139,367.00	Complete	Active	89/90	2/28/2003
	City of Ann Arbor	CP-3-81-00222	\$250,000.00	Complete	Active	89/90	2/28/2002
	City of Ann Arbor	ED-3-81-00208	\$49,512.00	Complete	Closed	89/90	2/3/1997
	Ypsilanti Township	ED-3-81-00075	\$33,715.00	Complete	Closed	89/90	2/26/1996
	Mamas and The Puppets	ED-3-81-30062	\$36,500.00	Complete	Closed	92/93	2/28/1998
	Mamas and The Puppets	ED-3-81-00128	\$27,533.00	Complete	Closed	89/90	2/28/1998
	Washtenaw County	HHWC-3-81-00124	\$98,820.00	Complete	Active	89/90	2/28/2004
	Resource Recycling Systems, Inc.	MDRD-3-81-40050	\$157,466.00	Complete	Closed	93/94	1/12/2001
	University of Michigan	RP-3-81-10135	\$119,900.00	Complete	Active	90/91	2/28/2003

Table III SWAP Projects Listed by County

County	Project Name	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	Fiscal Year	Final Report Date
	Western Washtenaw Recycling Authority	RP-3-81-20023	\$330,400.00	Complete	Active	91/92	2/28/2004
	Eastern Michigan University	RP-3-81-20086	\$9,675.00	Complete	Active	91/92	2/28/2004
	Ypsilanti Township	RP-3-81-10081	\$211,259.00	Complete	Active	90/91	2/28/2003
	City of Ann Arbor	RP-3-81-00221	\$500,000.00	Complete	Active	89/90	2/28/2002
	University of Michigan	WRRD-3-81-00039	\$46,715.00	Complete	Closed	89/90	2/28/1996
Total		15	\$2,610,862.00				
Wayne	Western Twps Utilities Authority	CP-3-82-00135	\$242,060.00	Complete	Active	89/90	2/28/2004
	City of Detroit	CP-3-82-00178	\$250,000.00	Complete	Active	89/90	2/28/2004
	City of Trenton	CP-3-82-00101	\$94,244.00	Complete	Closed	89/90	2/2/2001
	Southeast Michigan Council of Governments	ED-3-82-00131	\$50,000.00	Complete	Closed	89/90	8/10/1993
	Wayne Co. Intermediate School District	ED-3-82-10049	\$5,700.00	Complete	Closed	90/91	2/20/1992
	Conference of Western Wayne	ED-3-82-10144	\$24,341.00	Complete	Closed	90/91	3/27/1995
	City Management Corporation	HHWC-3-82-00113	\$100,000.00	Complete	Active	89/90	2/28/2003
	Greater Detroit Resource Recovery Authority	HHWC-3-82-00193	\$100,000.00	Complete	Active	89/90	2/28/2004
	Carroll Packaging (P.A.V.E. Recycling, Inc.)	MD-3-82-11008	\$116,245.00	Complete	Closed	90/91	4/4/2000
	IPMC Acquisition L.L.C.	MD-3-82-40024	\$1,070,000.00	Complete	Active	93/94	2/28/2008
	Secondary Polymers	MD-3-82-10123	\$510,239.00	Complete	Closed	89/90	10/14/1991
	NRI Michigan, Inc.	MD-3-82-60005	\$1,392,113.00	Complete	Active	95/96	12/2/2001
	Detroit/Wayne County Port Authority	MDRD-3-82-00107	\$182,562.00	Complete	Closed	89/90	3/1/1995
	Western Townships Utilities Authority	MDRD-3-82-10078	\$191,250.00	Complete	Closed	90/91	8/29/1995
	Architects Bldg. LDHA Limited Partnership	MDRD-3-82-40056	\$250,000.00	Complete	Active	93/94	2/28/2010
	Harper Hospital	RP-3-82-50014	\$40,969.00	Complete	Active	94/95	2/28/2007
	Mid-Way Cullet (Strategic Materials)	RP-3-82-00071	\$181,701.00	Complete	Active	89/90	2/28/2002
	Huron Township	RP-3-82-30028	\$61,114.00	Complete	Active	92/93	2/28/2005
	City of Wyandotte	RP-3-82-10016	\$13,800.00	Complete	Active	90/91	2/28/2003
	Central Wayne Air Quality & Energy Recovery Limited Partnership	WTE-3-82-30058	\$5,000,000.00	Complete	Active	92/93	2/28/2012
Total		20	\$9,876,338.00				

Table III SWAP Projects Listed by County

County	Project Name	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	Fiscal Year	Final Report Date
Wexford	Wexford Soil & Water Con. Dist..	ED-2-83-10079	\$28,800.00	Complete	Closed	90/91	2/23/1996
Total		1	\$28,800.00				
Various	Resource Integration Systems	CMC-07235	\$900,486.00	Complete	Closed	89/90	2/14/1994
	Planning & Zoning Center, Inc.	CMC-0090	\$166,367.00	Complete	Closed	89/90	12/14/1995
	Michigan State University	SP-3-11023	\$140,418.00	Complete	Closed	90/91	5/16/1997
	Resource Integration Systems	SP---SP006	\$265,785.00	Complete	Closed	89/90	1/23/1997
	Harwood Group/Project Outreach	SP---SP008	\$135,253.00	Complete	Closed	89/90	7/31/1992
	Waste Systems Institute	SP----P1013	\$31,255.00	Complete	Closed	90/91	12/31/1995
Total		6	\$1,639,564.00				
	Grand Total	295	\$102,293,681.00				

Table IV SWAP Projects Listed by Fiscal Year

Fiscal Year	Project Name/County	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	County	Final Report
88/89	Inverness Township	CLS-2-16-90119	\$411,750.00	Complete	Active	Cheboygan	10/8/2022
88/89	Clearbrook Companies (Northern A-1 Services)	CP-2-40-90014	\$37,199.00	Complete	Active	Kalkaska	2/28/2002
88/89	City of Mackinac Island	CLS-1-49-90120	\$600,000.00	Complete	Active	Mackinac	5/1/2022
88/89	City of Manistee	CP-2-51-90107	\$28,432.00	Complete	Closed	Manistee	2/13/2001
88/89	Skandia Township	CLS-1-52-90122	\$274,813.00	Complete	Active	Marquette	1/23/2022
88/89	Spaulding Township	CLS-1-55-90124	\$119,787.00	Complete	Active	Menominee	1/23/2022
88/89	City of Madison Heights	CP-3-63-90088	\$50,760.00	Complete	Active	Oakland	2/28/2003
88/89	Shelby Township	CLS-3-64-90121	\$450,000.00	Complete	Active	Oceana	9/8/2022
88/89	Geneva Township	CLS-3-80-90118	\$226,935.00	Complete	Active	Van Buren	10/26/2021
88/89	South Haven Township	CLS-3-80-90123	\$255,482.00	Complete	Active	Van Buren	10/26/2021
	Total	10	\$2,455,158.00				
89/90	Burt Township	CLS-1-02-81	\$327,447.00	Complete	Active	Alger	1/21/2022
89/90	Limestone & Mathias Townships	CLS-1-02-71	\$236,716.00	Complete	Active	Alger	9/5/2022
89/90	Rock River Township	CLS-1-02-37	\$241,905.00	Complete	Active	Alger	5/21/2022
89/90	Village of L'Anse	CLS-1-07-05	\$306,176.00	Complete	Active	Baraga	3/3/2022
89/90	City of Buchanan	CMC-3-11-00198	\$603,297.00	Complete	Active	Berrien	2/28/2004
89/90	City of Menominee	RP-1-55-00011	\$17,778.00	Complete	Active	Menominee	2/28/2002
89/90	City of Cass City	CLS-2-79-22	\$235,472.00	Complete	Active	Tuscola	5/9/2022
89/90	Branch County	ED-3-12-00090	\$9,472.00	Complete	Closed	Branch	4/19/1995
89/90	Rock-Tenn Company	MD-3-13-00165	\$1,646,821.00	Complete	Active	Calhoun	2/28/2003
89/90	Michigan Paperboard Company	MD-3-13-00209	\$2,769,117.00	Complete	Active	Calhoun	2/28/2002
89/90	City of Dowagiac	CLS-3-14-62	\$521,416.00	Complete	Active	Cass	9/23/2022
89/90	St. James & Peaine Townships	CLS-2-15-15	\$177,300.00	Complete	Active	Charlevoix	4/16/2022
89/90	Trout Lake Township	CLS-1-17-70	\$99,217.00	Complete	Active	Chippewa	2/1/2022
89/90	Franklin Township	CLS-2-18-84	\$85,426.00	Complete	Active	Clare	2/28/2027
89/90	City of Harrison	CLS-2-18-23	\$477,355.00	Complete	Active	Clare	5/8/2022
89/90	Surrey Township	CLS-2-18-29	\$316,216.00	Complete	Active	Clare	12/16/2021
89/90	Delta Solid Waste Management Authority	CMC-1-21-00008	\$1,098,235.00	Complete	Active	Delta	2/28/2005
89/90	Central Landfill Authority	CLS-1-22-76	\$600,000.00	Complete	Active	Dickinson	2/4/2022
89/90	Recycle North	ED-2-24-00077	\$19,748.00	Complete	Closed	Emmet	5/11/1995
89/90	Flushing Band & Orchestra Boosters	RP-3-25-00051	\$6,467.00	Complete	Active	Genesee	2/28/2002
89/90	Ironwood Charter Township	CLS-1-27-78	\$455,402.00	Complete	Active	Gogebic	1/9/2022

Table IV SWAP Projects Listed by Fiscal Year

Fiscal Year	Project Name/County	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	County	Final Report
89/90	City of Ironwood	CLS-1-27-32	\$600,000.00	Complete	Active	Gogebic	8/23/2023
89/90	Bessemer Township	CLS-1-27-19	\$144,507.00	Complete	Active	Gogebic	12/13/2021
89/90	City of Bessemer	CLS-1-27-03	\$331,499.00	Complete	Active	Gogebic	3/6/2023
89/90	Marenisco Township	CLS-1-27-26	\$118,285.00	Complete	Active	Gogebic	4/27/2022
89/90	Erwin Township	CLS-1-27-16	\$181,034.00	Complete	Active	Gogebic	2/8/2022
89/90	Watersmeet Township	CLS-1-27-11	\$229,880.00	Complete	Active	Gogebic	5/1/2022
89/90	City of Wakefield	CLS-1-27-04	\$360,570.00	Complete	Active	Gogebic	10/2/2022
89/90	GTP Industries, Inc.	RP-2-28-00025	\$7,875.00	Complete	Closed	Grd Traverse	12/10/1996
89/90	Gratiot County	RP-3-29-10112	\$2,800.00	Complete	Active	Gratiot	2/28/2003
89/90	Region II Community Action Agency	ED-3-30-00188	\$7,018.00	Complete	Closed	Hillsdale	8/30/1996
89/90	Calumet Charter Township	CLS-1-31-27	\$600,000.00	Complete	Active	Houghton	11/12/2021
89/90	Michigan Technological University	WRRD-1-31-00054	\$248,627.00	Complete	Closed	Houghton	11/22/1995
89/90	Michigan Technological University	WRRD-1-31-00095	\$39,667.00	Complete	Closed	Houghton	1/25/1996
89/90	Village of Caseville	CMC-2-32-00073	\$300,187.00	Complete	Active	Huron	2/28/2007
89/90	City of Lansing	CMC-3-33-00153	\$2,282,554.00	Complete	Active	Ingham	2/28/2005
89/90	Ingham County	ED-3-33-00196	\$50,000.00	Complete	Closed	Ingham	6/7/1995
89/90	Michigan Chemical Council	MDRD-3-33-00220	\$100,076.00	Complete	Closed	Ingham	3/24/1994
89/90	Ingham County	RP-3-33-00197	\$82,383.00	Complete	Active	Ingham	2/28/2002
89/90	Brooks, Frederick Sydney	RP-2-35-00129	\$6,713.00	Complete	Active	Iosco	2/28/2002
89/90	Crystal Falls Township	CLS-1-36-17	\$280,921.00	Complete	Active	Iron	10/31/2022
89/90	Hematite Township	CLS-1-36-57	\$135,378.00	Complete	Active	Iron	10/31/2022
89/90	City of Iron River	CLS-1-36-08	\$473,781.00	Complete	Active	Iron	9/3/2022
89/90	Wise Township	CLS-2-37-33	\$427,279.00	Complete	Active	Isabella	5/9/2022
89/90	Isabella County	CMC-2-37-00195	\$1,693,926.00	Complete	Open	Isabella	2/28/2003
89/90	Olson Firestone Service	MD-2-37-00010	\$37,331.00	Complete	Closed	Isabella	3/1/1994
89/90	Olson Firestone Service	MD-2-37-00009	\$168,300.00	Complete	Active	Isabella	2/28/2005
89/90	W W Engineering & Science	WRRD-3-41-00173	\$90,058.00	Complete	Closed	Kent	2/28/1996
89/90	Kent County	TSC-3-41-00160	\$200,000.00	Complete	Active	Kent	2/28/2001
89/90	Allouez Township	CLS-1-42-09	\$197,598.00	Complete	Active	Keweenaw	7/3/2022
89/90	Grant Township (Copper Harbor)	CLS-1-42-45	\$229,949.00	Complete	Active	Keweenaw	7/3/2022
89/90	Grant Township (Lac Labelle)	CLS-1-42-46	\$93,501.00	Complete	Active	Keweenaw	7/3/2022
89/90	Livingston County	CLS-3-47-30	\$518,449.00	Complete	Active	Livingston	3/21/2022
89/90	Contractor Container Corporation (Loan)	RP-3-47-00219	\$790,272.00	Complete	Active	Livingston	2/28/2001
89/90	Village of Newberry	CLS-1-48-31	\$460,189.00	Complete	Active	Luce	3/30/2023

Table IV SWAP Projects Listed by Fiscal Year

Fiscal Year	Project Name/County	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	County	Final Report
89/90	Moran Township (Brevort Area)	CLS-1-49-13	\$151,080.00	Complete	Active	Mackinac	7/29/2022
89/90	Bois Blanc Township	CLS-1-49-49	\$139,274.00	Complete	Active	Mackinac	7/29/2022
89/90	City of Mackinac Island	CP-1-49-00218	\$86,000.00	Complete	Active	Mackinac	2/28/2004
89/90	City of Mackinac Island	RP-1-49-00223	\$386,000.00	Complete	Active	Mackinac	2/28/2004
89/90	Indian Summer Recycling (Grosse Pte.-Clinton)	CP-3-50-00059	\$39,329.00	Complete	Active	Macomb	12/31/2001
89/90	Cities of Roseville & East Detroit	ED-3-50-00120	\$12,887.00	Complete	Closed	Macomb	2/23/1999
89/90	Clinton Twp/City of Mt. Clemens	ED-3-50-00084	\$5,636.00	Complete	Closed	Macomb	2/28/1996
89/90	City of Centerline	RP-3-50-00116	\$9,473.00	Complete	Active	Macomb	2/28/2002
89/90	Clinton Township	RP-3-50-00083	\$98,810.00	Complete	Active	Macomb	2/28/2002
89/90	City of Roseville	RP-3-50-00117	\$3,883.00	Complete	Active	Macomb	2/28/2002
89/90	Powell Township	CLS-1-52-67	\$183,872.00	Complete	Active	Marquette	7/3/2022
89/90	Twp & City of Negaunee/City of Ishpeming	CLS-1-52-21	\$600,000.00	Complete	Active	Marquette	7/3/2022
89/90	Northern Michigan University, Seaborg Center	ED-1-52-00066	\$21,701.00	Complete	Closed	Marquette	5/30/1995
89/90	Skandia Township	TSC-1-52-00240	\$111,212.00	Complete	Active	Marquette	2/28/2001
89/90	Mason County (Pere Marquette Landfill)	CLS-3-53-12	\$600,000.00	Complete	Active	Mason	3/21/2022
89/90	Cedarville Township	CLS-1-55-40	\$67,957.00	Complete	Active	Menominee	7/28/2022
89/90	Village of Daggett	CLS-1-55-51	\$171,522.00	Complete	Active	Menominee	8/13/2022
89/90	Faithorn Township	CLS-1-55-34	\$61,927.00	Complete	Active	Menominee	8/11/2022
89/90	Harris Township	CLS-1-55-54	\$143,774.00	Complete	Active	Menominee	7/3/2022
89/90	Holmes Township	CLS-1-55-39	\$64,570.00	Complete	Active	Menominee	7/3/2022
89/90	Meyer Township	CLS-1-55-28	\$161,853.00	Complete	Active	Menominee	7/3/2022
89/90	Nadeau Township	CLS-1-55-44	\$165,375.00	Complete	Active	Menominee	7/3/2022
89/90	City of Stephenson	CLS-1-55-38	\$154,662.00	Complete	Active	Menominee	7/3/2022
89/90	Village of Edmore	CP-3-59-00006	\$1,228.00	Complete	Active	Montcalm	2/28/2001
89/90	City of Fremont	CP-3-62-00017	\$15,337.00	Complete	Active	Newaygo	2/28/2001
89/90	Southeastern Oakland Co. Res. Rec. Authority	CMC-3-63-00046	\$2,769,025.00	Complete	Active	Oakland	2/28/2003
89/90	Southeastern Oakland Co. Res. Rec. Authority	MD-3-63-00045	\$75,900.00	Complete	Active	Oakland	2/28/2003
89/90	Richland Township	CLS-2-65-07	\$141,194.00	Complete	Active	Ogemaw	5/9/2022
89/90	OG Recovery	ED-2-65-00109	\$17,598.00	Complete	Closed	Ogemaw	2/9/1994
89/90	Cumming Township	TSC-2-65-00127	\$115,500.00	Complete	Active	Ogemaw	2/28/2002
89/90	Interior Township	CLS-1-66-68	\$76,404.00	Complete	Active	Ontonagon	6/30/2025
89/90	Rockland Township	CLS-1-66-52	\$159,300.00	Complete	Active	Ontonagon	7/3/2022
89/90	Norman Pestka Construction	RP-1-66-00044	\$19,496.00	Complete	Active	Ontonagon	2/28/2002
89/90	Holland Charter Township	CLS-3-70-83	\$515,057.00	Complete	Active	Ottawa	12/29/2022

Table IV SWAP Projects Listed by Fiscal Year

Fiscal Year	Project Name/County	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	County	Final Report
89/90	Ottawa County	ED-3-70-00018	\$28,476.00	Complete	Closed	Ottawa	3/22/1995
89/90	Lubbers Resource Systems	RP-3-70-00014	\$143,895.00	Complete	Active	Ottawa	2/28/2001
89/90	Roscommon Township	ED-2-72-00079	\$5,248.00	Complete	Closed	Roscommon	4/25/1995
89/90	St. Clair Co. Cooperative Extension Service	ED-3-74-00213	\$28,142.00	Complete	Closed	St. Clair	6/9/1995
89/90	City of Plymouth (Salem Landfill)	CLS-3-81-42	\$600,000.00	Complete	Active	Washtenaw	6/30/2025
89/90	Ypsilanti Township	CP-3-81-00074	\$139,367.00	Complete	Active	Washtenaw	2/28/2002
89/90	City of Ann Arbor	CP-3-81-00222	\$250,000.00	Complete	Active	Washtenaw	2/28/2002
89/90	City of Ann Arbor	ED-3-81-00208	\$49,512.00	Complete	Closed	Washtenaw	2/3/1997
89/90	Ypsilanti Township	ED-3-81-00075	\$33,715.00	Complete	Closed	Washtenaw	2/26/1996
89/90	Mamas and The Puppets	ED-3-81-00128	\$27,533.00	Complete	Closed	Washtenaw	2/28/1998
89/90	Washtenaw County	HHWC-3-81-00124	\$98,820.00	Complete	Active	Washtenaw	2/28/2004
89/90	City of Ann Arbor	RP-3-81-00221	\$500,000.00	Complete	Active	Washtenaw	2/28/2001
89/90	University of Michigan	WRRD-3-81-00039	\$46,715.00	Complete	Closed	Washtenaw	2/28/1996
89/90	Western Twps. Utilities Authority	CP-3-82-00135	\$242,060.00	Complete	Active	Wayne	2/28/2002
89/90	City of Detroit	CP-3-82-00178	\$250,000.00	Complete	Active	Wayne	2/28/2004
89/90	Great Lakes Waste Service (Clarkston Disposal)	RP-3-63-00194	\$409,326.00	Complete	Active	Oakland	2/28/2001
89/90	City of Trenton	CP-3-82-00101	\$94,244.00	Complete	Closed	Wayne	2/2/2001
89/90	Southeast Michigan Council of Governments	ED-3-82-00131	\$50,000.00	Complete	Closed	Wayne	8/10/1993
89/90	City Management Corporation	HHWC-3-82-00113	\$100,000.00	Complete	Active	Wayne	2/28/2002
89/90	Greater Detroit Resource Recovery Authority	HHWC-3-82-00193	\$100,000.00	Complete	Active	Wayne	2/28/2003
89/90	Secondary Polymers, Ltd.	MD-3-82-10123	\$510,239.00	Complete	Closed	Wayne	10/14/1991
89/90	Detroit/Wayne County Port Authority	MDRD-3-82-00107	\$182,562.00	Complete	Closed	Wayne	3/1/1995
89/90	Mid-Way Cullet (Strategic Materials)	RP-3-82-00071	\$181,701.00	Complete	Active	Wayne	2/28/2002
89/90	Resource Integration Systems	CMC-07235	\$900,486.00	Complete	Closed	Various	5/30/1995
89/90	Planning & Zoning Center, Inc.	CMC-0090	\$166,367.00	Complete	Closed	Various	9/30/1995
89/90	Resource Integration Systems	SP---SP006	\$265,785.00	Complete	Closed	Various	1/23/1997
89/90	Harwood Group/Project Outreach	SP----SP008	\$135,253.00	Complete	Closed	Various	7/31/1992
	Total	116	\$34,627,872.00				
90/91	Antrim County Resource Recovery	ED-2-05-10045	\$1,463.00	Complete	Closed	Antrim	11/3/1994
90/91	Tasco	RP-1-07-10022	\$88,200.00	Complete	Active	Baraga	2/28/2001
90/91	Recycling in Barry County	ED-3-08-10041	\$14,900.00	Complete	Closed	Barry	11/5/1995
90/91	City of Bay City	RP-2-09-10035	\$48,800.00	Complete	Active	Bay	2/28/2002
90/91	Southeast Berrien County Landfill Authority	HHWC-3-11-10069	\$45,100.00	Complete	Active	Berrien	2/28/2005

Table IV SWAP Projects Listed by Fiscal Year

Fiscal Year	Project Name/County	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	County	Final Report
90/91	Calhoun County Health Department	HHWC-3-13-10040	\$74,400.00	Complete	Active	Calhoun	2/28/2005
90/91	Franklin Iron & Metal Company	RP-3-13-10024	\$85,015.00	Complete	Active	Calhoun	2/28/2003
90/91	WATCH (Water and Air Team Charlevoix)	ED-2-15-10006	\$3,800.00	Complete	Closed	Charlevoix	9/30/1991
90/91	St. James & Peaine Townships	TSC-2-15-10007	\$172,500.00	Complete	Active	Charlevoix	2/28/2002
90/91	Mullett Township	CLS-1-16-10	\$305,341.00	Complete	Active	Cheboygan	10/12/2021
90/91	Raber Township	CLS-1-17-75	\$80,203.00	Complete	Active	Chippewa	8/18/2023
90/91	Village of DeTour Village	CLS-1-17-72	\$319,796.00	Complete	Active	Chippewa	11/17/2022
90/91	Mellen Township	CLS-1-55-50	\$206,163.00	Complete	Active	Menominee	9/5/2023
90/91	Northern Transitions, Inc.	RP-1-17-10037	\$171,800.00	Complete	Active	Chippewa	2/28/2001
90/91	Sheridan Township	CLS-2-18-58	\$138,682.00	Complete	Active	Clare	3/11/2023
90/91	Dickinson Co. Solid Waste Mgmt. Authority	CP-1-22-10034	\$42,587.00	Complete	Active	Dickinson	2/28/2003
90/91	Dickinson Co. Solid Waste Mgmt. Authority	HHWC-1-22-10032	\$54,060.00	Complete	Active	Dickinson	2/28/2006
90/91	Dickinson Co. Solid Waste Mgmt. Authority	RP-1-22-10033	\$23,734.00	Complete	Active	Dickinson	2/28/2005
90/91	Petoskey Plastics, Inc.	MD-2-24-10136	\$1,222,500.00	Complete	Active	Emmet	2/28/2004
90/91	Emmet County Department of Public Works	RP-2-24-11022	\$15,443.00	Complete	Active	Emmet	2/28/2003
90/91	North American Environmental Services	RP-3-25-10087	\$92,606.00	Complete	Closed	Genesee	2/28/1995
90/91	City of Davison	CP-3-25-10001	\$21,221.00	Complete	Active	Genesee	2/28/2004
90/91	Gogebic Range Solid Waste Mgmt. Authority	RP-1-27-10015	\$133,400.00	Complete	Active	Gogebic	2/28/2002
90/91	Grand Traverse County	HHWC-2-28-10130	\$85,745.00	Complete	Active	Grd Traverse	2/28/2005
90/91	GTP Industries, Inc.	RP-2-28-11012	\$37,416.00	Complete	Closed	Grd Traverse	12/10/1996
90/91	Village of Breckenridge	RP-3-29-10121	\$1,275.00	Complete	Closed	Gratiot	11/28/1995
90/91	Gratiot County	RP-3-29-00155	\$1,088.00	Complete	Active	Gratiot	2/28/2002
90/91	Huron County	ED-2-32-11016	\$50,000.00	Complete	Closed	Huron	1/29/1997
90/91	Huron County	RP-2-32-11017	\$6,599.00	Complete	Closed	Huron	1/22/1996
90/91	Michigan State University	ED-3-33-10134	\$37,400.00	Complete	Closed	Ingham	3/27/1996
90/91	City of East Lansing	ED-3-33-10091	\$40,058.00	Complete	Closed	Ingham	8/4/1995
90/91	Ingham County	HHWC-3-33-10005	\$99,990.00	Complete	Active	Ingham	2/28/2002
90/91	Michigan Polymer Reclaim (Marsh, Paul S.)	MD-3-33-11010	\$440,000.00	Complete	Active	Ingham	2/28/2003
90/91	Michigan State University	RP-3-33-10133	\$123,200.00	Complete	Active	Ingham	2/28/2003
90/91	City of East Lansing	RP-3-33-10094	\$143,200.00	Complete	Active	Ingham	2/28/2002
90/91	City of Whittemore	CLS-2-35-63	\$263,483.00	Complete	Active	Iosco	7/15/2023
90/91	City of Crystal Falls	CLS-1-36-87	\$288,431.00	Complete	Active	Iron	9/5/2023
90/91	Iron River Township	CLS-1-36-18	\$189,219.00	Complete	Active	Iron	9/5/2022
90/91	Ironland Disposal Service	RP-1-36-10011	\$78,000.00	Complete	Active	Iron	2/28/2002

Table IV SWAP Projects Listed by Fiscal Year

Fiscal Year	Project Name/County	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	County	Final Report
90/91	Ironland Disposal Service	TSC-1-36-10012	\$200,000.00	Complete	Active	Iron	2/28/2001
90/91	Graphic Packaging Corporation (James River)	MD-3-39-10118	\$5,000,000.00	Complete	Active	Kalamazoo	2/28/2003
90/91	Kent County	HHWC-3-41-10129	\$53,600.00	Complete	Active	Kent	2/28/2003
90/91	Kent County	HHWC-3-41-10128	\$53,400.00	Complete	Active	Kent	2/28/2003
90/91	Wetlands Foundation West Michigan	MDRD-3-41-10017	\$11,200.00	Complete	Closed	Kent	11/13/1995
90/91	Alloy Exchange, Inc.	RP-3-41-30066	\$500,000.00	Complete	Active	Kent	12/31/2004
90/91	Kamps Pallets, Inc.	RP-3-41-10065	\$123,700.00	Complete	Closed	Kent	1/30/2001
90/91	Recycle Livingston	RP-3-47-10044	\$14,200.00	Complete	Active	Livingston	2/28/2002
90/91	Clark Township	CLS-1-49-55	\$240,942.00	Complete	Active	Mackinac	9/5/2023
90/91	Ewing Township	CLS-2-52-47	\$89,457.00	Complete	Active	Marquette	9/5/2023
90/91	Wells Township	CLS-2-52-56	\$89,232.00	Complete	Active	Marquette	9/5/2023
90/91	Marquette Co. Solid Waste Mgmt. Authority	ED-1-52-10061	\$22,000.00	Complete	Closed	Marquette	2/13/1995
90/91	Wells Township	TSC-1-52-10013	\$1,243.00	Complete	Closed	Marquette	12/7/1995
90/91	River Cities Recycling Com.	ED-1-55-10031	\$18,682.00	Complete	Closed	Menominee	11/30/1993
90/91	Northern Refuse, Inc.(Co. Soil/Water Cons. Dist.)	RP-1-55-10019	\$2,999.00	Complete	Active	Menominee	2/28/2001
90/91	Midland Volunteers For Recycling	ED-2-56-10029	\$15,409.00	Complete	Closed	Midland	10/31/1993
90/91	Clean Tech, Inc.	MD-3-58-10142	\$891,357.00	Complete	Active	Monroe	2/28/2004
90/91	City of Muskegon	ED-3-61-11001	\$9,256.00	Complete	Closed	Muskegon	5/29/1995
90/91	K L Industries	MDRD-3-61-11004	\$77,743.00	Complete	Closed	Muskegon	5/1/1995
90/91	Community Recycling Ser. (White Lake Landco)	RP-3-61-10132	\$398,978.00	Complete	Active	Muskegon	2/28/2002
90/91	Newaygo County Board of Public Works	ED-3-62-10010	\$12,619.00	Complete	Closed	Newaygo	2/1/1995
90/91	Independence Township	ED-3-63-10101	\$22,734.00	Complete	Closed	Oakland	6/28/1995
90/91	Cumming Township	CLS-1-65-06	\$290,124.00	Complete	Active	Ogemaw	7/15/2023
90/91	Cumming Township	RP-2-65-10114	\$34,100.00	Complete	Active	Ogemaw	2/28/2002
90/91	Greenland Township	CLS-1-66-73	\$125,390.00	Complete	Active	Ontonagon	9/5/2023
90/91	Tri-Township Landfill	CLS-1-66-82	\$127,639.00	Complete	Active	Ontonagon	10/20/2023
90/91	Spring Lake/ City of Ferrysburg	CP-3-70-10071	\$58,000.00	Complete	Active	Ottawa	2/28/2002
90/91	Able Sanitation	ED-3-70-10143	\$17,500.00	Complete	Closed	Ottawa	2/28/1996
90/91	GPM Industries, Inc.	MD-3-70-11007	\$35,960.00	Complete	Closed	Ottawa	8/31/1995
90/91	Grand Valley State University	WRRD-3-70-10028	\$163,062.00	Complete	Closed	Ottawa	2/26/1997
90/91	Great Lakes Plastics Corporation	MD-1-31-30023	\$16,769.00	Complete	Closed	Houghton	11/2/1999
90/91	Tiny Tot Diaper Service (Loan)	WRRD-2-73-10113	\$55,436.00	Complete	Active	Saginaw	2/28/2000
90/91	Manistique Rentals	TSC-1-77-10018	\$168,100.00	Complete	Active	Schoolcraft	2/28/2002
90/91	St. Clair County Metro Planning Commission	HHWC-3-74-10073	\$100,000.00	Complete	Active	St. Clair	2/28/2004

Table IV SWAP Projects Listed by Fiscal Year

Fiscal Year	Project Name/County	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	County	Final Report
90/91	Westside Landfill	HHWC-3-75-10115	\$32,933.00	Complete	Active	St. Joseph	2/28/2005
90/91	Ypsilanti Township	RP-3-81-10081	\$211,259.00	Complete	Active	Washtenaw	2/28/2002
90/91	University of Michigan	RP-3-81-10135	\$119,900.00	Complete	Active	Washtenaw	2/28/2002
90/91	Wayne Co. Intermediate School District	ED-3-82-10049	\$5,700.00	Complete	Closed	Wayne	2/20/1992
90/91	Conference of Western Wayne	ED-3-82-10144	\$24,341.00	Complete	Closed	Wayne	3/27/1995
90/91	Carroll Packaging (PAVE Recycling)	MD-3-82-11008	\$116,245.00	Complete	Closed	Wayne	4/4/2000
90/91	Western Townships Utilities Authority	MDRD-3-82-10078	\$191,250.00	Complete	Closed	Wayne	8/29/1995
90/91	City of Wyandotte	RP-3-82-10016	\$13,800.00	Complete	Active	Wayne	2/28/2002
90/91	Wexford Soil & Water Con. Dist.	ED-2-83-10079	\$28,800.00	Complete	Closed	Wexford	2/23/1996
90/91	Michigan State University	SP-3-11023	\$140,418.00	Complete	Closed	Various	5/16/1997
90/91	Waste Systems Institute	SP---SP1013	\$31,255.00	Complete	Closed	Various	12/31/1995
90/91	Michigan Technological University	MDRD-1-31-10055	\$148,896.00	Complete	Closed	Houghton	1/25/1996
	Total	85	\$15,352,446.00				
91/92	Alger Soil Conservation District	ED-1-02-20002	\$4,198.00	Complete	Closed	Alger	4/24/1995
91/92	Peninsula Sanitation, Inc.	TSC-1-02-20027	\$200,000.00	Complete	Active	Alger	2/28/2003
91/92	Casco Township	TSC-3-03-20051	\$54,200.00	Complete	Active	Allegan	2/28/2004
91/92	City of Sault Ste. Marie	CP-1-17-20041	\$75,900.00	Complete	Active	Chippewa	2/28/2004
91/92	Clinton County Board of Commissioners	RP-3-19-20084	\$96,284.00	Complete	Active	Clinton	2/28/2004
91/92	Emmet County Department of Public Works	HHWC-2-24-20055	\$100,000.00	Complete	Active	Emmet	2/28/2005
91/92	Flushing Township	RP-3-25-20098	\$13,414.00	Complete	Active	Genesee	2/28/2005
91/92	Grand Traverse County	CP-2-28-20094	\$159,554.00	Complete	Active	Grd Traverse	2/28/2007
91/92	Michigan Technological University	MDRD-1-31-20024	\$217,278.00	Complete	Closed	Houghton	2/28/1997
91/92	Michigan Technological University	MDRD-1-31-20025	\$243,000.00	Complete	Closed	Houghton	2/28/1997
91/92	Huron County	ED-2-32-20032	\$2,984.00	Complete	Closed	Huron	2/18/1997
91/92	Michigan Recycling Coalition	ED-3-33-20050	\$44,874.00	Complete	Closed	Ingham	2/6/1997
91/92	Michigan State University	WRRD-3-33-20065	\$16,479.00	Complete	Closed	Ingham	3/31/1997
91/92	Michigan State University	MDRD-3-33-20066	\$112,200.00	Complete	Closed	Ingham	2/28/1997
91/92	Northern A-1 Services, Inc.	MD-2-40-20106	\$50,700.00	Complete	Active	Kalkaska	2/28/2003
91/92	Leelanau Count Planning Department	ED-2-45-20114	\$10,619.00	Complete	Closed	Leelanau	3/19/1998
91/92	Waste Management, Inc. (Peninsula Sanitation)	TSC-1-48-20029	\$200,000.00	Complete	Active	Luce	2/28/2003
91/92	Packaging Corporation of America	MD-2-51-20064	\$4,770,789.00	Complete	Active	Manistee	2/28/2006
91/92	City of Negaunee	CP-1-52-20040	\$12,100.00	Complete	Active	Marquette	2/28/2003
91/92	Marquette County Solid Waste Mgmt. Authority	HHWC-1-52-20101	\$100,000.00	Complete	Active	Marquette	2/28/2006

Table IV SWAP Projects Listed by Fiscal Year

Fiscal Year	Project Name/County	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	County	Final Report
91/92	Michigan Diversified Industries	MP-1-52-20007	\$29,124.00	Complete	Closed	Marquette	5/10/1995
91/92	Waste Management, Inc.	TSC-1-52-20028	\$129,500.00	Complete	Active	Marquette	2/28/2003
91/92	Able Sanitation, Inc.	CP-3-70-20075	\$30,929.00	Complete	Closed	Ottawa	5/6/1996
91/92	Village of Capac	CP-3-74-20005	\$13,441.00	Complete	Active	St. Clair	2/28/2002
91/92	St. Clair Co. Metro. Planning Committee	ED-3-74-20021	\$27,998.00	Complete	Closed	St. Clair	8/28/2000
91/92	City of Three Rivers	CP-3-75-20047	\$74,100.00	Complete	Active	St. Joseph	2/28/2003
91/92	Tuscola Co. Cooperative Extension Service	ED-2-79-20002	\$20,743.00	Complete	Closed	Tuscola	2/26/1997
91/92	Western Washtenaw Recycling Authority	RP-3-81-20023	\$330,400.00	Complete	Active	Washtenaw	2/28/2004
91/92	Eastern Michigan University	RP-3-81-20086	\$9,675.00	Complete	Active	Washtenaw	2/28/2004
	Total	29	\$7,150,483.00				
92/93	Ampro Industries, Inc.	MD-3-03-30053	\$844,100.00	Complete	Closed	Allegan	3/1/2001
92/93	Michigan Technological University	ED-1-31-30024	\$36,491.00	Complete	Closed	Houghton	8/8/2000
92/93	Applegate Insulation Mfr.	MD-3-33-30083	\$1,463,500.00	Complete	Active	Ingham	2/28/2007
92/93	Michigan State University	MDRD-3-33-30006	\$94,600.00	Complete	Closed	Ingham	2/28/1998
92/93	Ionia County	HHWC-3-34-30088	\$67,978.00	Complete	Active	Ionia	2/28/2007
92/93	Olson Firestone Service	MD-2-37-30026	\$168,500.00	Complete	Active	Isabella	2/28/2005
92/93	City of Oak Park	ED-3-63-30009	\$39,521.00	Complete	Closed	Oakland	4/13/1998
92/93	Eagle Ottawa Newaygo Farms, Inc.	CP-3-70-30018	\$223,400.00	Complete	Active	Ottawa	2/28/2005
92/93	Roscommon Township	ED-2-72-30001	\$14,969.00	Complete	Closed	Roscommon	2/8/1999
92/93	City of Algonac	CP-3-74-30060	\$14,886.00	Complete	Active	St. Clair	2/28/2004
92/93	Blue Water Fiber Ltd. Partnership	MD-3-74-30022	\$5,000,000.00	Complete	Active	St. Clair	2/28/2005
92/93	Mamas and The Puppets	ED-3-81-30062	\$36,500.00	Complete	Closed	Washtenaw	2/28/1998
92/93	Huron Township	RP-3-82-30028	\$61,114.00	Complete	Active	Wayne	2/28/2005
92/93	Central Wayne Air Quality & Energy Recovery Limited Partnership	WTE-3-82-30058	\$5,000,000.00	Complete	Active	Wayne	2/28/2012
	Total	14	\$13,065,559.00				
93/94	Polycytek L.L.C.	MD-3-13-40011	\$3,185,785.00	Complete	Active	Calhoun	2/28/2008
93/94	Village of Vermontville	CP-3-23-40032	\$10,100.00	Complete	Active	Eaton	2/28/2005
93/94	Kamps Pallets, Inc.	MD-3-23-40029	\$155,918.00	Complete	Active	Eaton	2/28/2007
93/94	Environmental Rubber Recycling	MD-3-25-40060	\$789,500.00	Complete	Active	Genesee	2/28/2007
93/94	American Commodities Inc.	MD-3-25-40037	\$790,677.00	Complete	Active	Genesee	2/28/2005
93/94	Gogebic Range SWMA	CP-1-27-40021	\$67,600.00	Complete	Active	Gogebic	2/28/2006

Table IV SWAP Projects Listed by Fiscal Year

Fiscal Year	Project Name/County	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	County	Final Report
93/94	Grand Traverse County	ED-2-28-40042	\$33,808.00	Complete	Active	Grd Traverse	2/28/2001
93/94	Michigan Technological University	MDRD-1-31-40014	\$203,700.00	Complete	Closed	Houghton	2/28/1999
93/94	Innotech International, Inc.	MDRD-3-33-40049	\$82,300.00	Complete	Closed	Ingham	2/26/1999
93/94	Michigan State University	MDRD-3-33-40012	\$98,645.00	Complete	Closed	Ingham	2/8/1999
93/94	Michigan Technological University	MDRD-1-31-40002	\$126,743.00	Complete	Closed	Houghton	2/28/1999
93/94	Kalamazoo County	HHWC-3-39-40005	\$100,000.00	Complete	Active	Kalamazoo	2/28/2008
93/94	Georgia-Pacific Corporation	MD-3-39-40004	\$5,000,000.00	Complete	Active	Kalamazoo	2/28/2011
93/94	Kent County	ED-3-41-40040	\$12,400.00	Complete	Closed	Kent	1/27/1997
93/94	Resource Rec. & Recy.Auth.of SW Oakland Co.	RP-3-63-40047	\$500,000.00	Complete	Active	Oakland	2/28/2001
93/94	Village of Pentwater	CP-3-64-40033	\$96,846.00	Complete	Active	Oceana	2/28/2006
93/94	Resource Recovery Corp. of West Michigan	MD-3-70-40038	\$2,475,320.00	Complete	Active	Ottawa	2/28/2007
93/94	City of Saginaw	CP-2-73-40028	\$88,500.00	Complete	Active	Saginaw	2/28/2005
93/94	Hartley Outdoor Education Center (Saginaw Co.)	ED-2-73-40045	\$30,403.00	Complete	Closed	Saginaw	2/23/2001
93/94	Sanilac County	ED-2-76-40043	\$49,100.00	Complete	Closed	Sanilac	4/14/1999
93/94	City of Laingsburg	CP-3-78-40003	\$18,308.00	Complete	Active	Shiawassee	2/28/2005
93/94	Van Buren Co. Cooperative Extension Service	ED-3-80-40013	\$17,800.00	Complete	Closed	Van Buren	2/17/1999
93/94	Resource Recycling Systems, Inc.	MDRD-3-81-40050	\$157,466.00	Complete	Closed	Washtenaw	2/28/2001
93/94	IPMC Acquisition L.L.C.	MD-3-82-40024	\$1,070,000.00	Complete	Active	Wayne	2/28/1998
93/94	Architects Bldg. LDHA Limited Part.	MDRD-3-82-40056	\$250,000.00	Complete	Active	Wayne	2/28/2008
	Total	25	\$15,410,919.00				
94/95	Gateway	RP-3-11-50006	\$62,982.00	Complete	Active	Berrien	2/28/2005
94/95	Watson's Tree Service	MD-3-24-50008	\$310,100.00	Complete	Active	Cass	2/28/2006
94/95	Lenawee County	HHWC-3-46-50005	\$95,500.00	Complete	Active	Lenawee	2/29/2008
94/95	City of Mt. Clemens	ED-3-50-50018	\$7,433.00	Complete	Closed	Macomb	4/10/2000
94/95	City of St. Clair Shores	ED-3-50-50032	\$22,400.00	Complete	Closed	Macomb	3/29/2000
94/95	City of Ishpeming	RP-1-52-50020	\$56,200.00	Complete	Active	Marquette	2/28/2007
94/95	Cadillac Products	MD-3-63-50039	\$3,951,132.00	Complete	Active	Oakland	2/28/2008
94/95	Resource Recovery & Recycling A. Oakland Co.	ED-3-63-50009	\$4,700.00	Complete	Closed	Oakland	3/4/1999
94/95	Tuscola County	RP-2-79-50027	\$68,700.00	Complete	Active	Tuscola	2/28/2006
94/95	Compost Soil Technologies, Inc.	MD-3-70-50007	\$285,494.00	Complete	Active	Ottawa	2/28/2007
94/95	Denton Township	CP-2-72-50002	\$36,300.00	Complete	Active	Roscommon	2/28/2006

Table IV SWAP Projects Listed by Fiscal Year							
Fiscal Year	Project Name/County	Contract Number	Final Grant Expenditure	Financial Status	Contract Status	County	Final Report
94/95	Denton Township	RP-2-72-50001	\$24,000.00	Complete	Active	Roscommon	2/28/2006
94/95	Harper Hospital	RP-3-82-50014	\$40,969.00	Complete	Active	Wayne	2/28/2007
	Total	13	\$4,965,910.00				
95/96	Ludlow Building Products, Inc. (Simplex Prod.)	MD-3-46-60009	\$2,873,221.00	Complete	Active	Lenawee	2/28/2007
95/96	Manistique Papers, Inc.	MD-1-77-60008	\$5,000,000.00	Complete	Active	Schoolcraft	2/28/2008
95/96	NRI Michigan, Inc.	MD-3-82-60005	\$1,392,113.00	Open	Active	Wayne	2/28/2001
	Total	3	\$9,265,334.00				
	Grand Total	295	\$102,293,681.00				

D. Synopsis of Individual Projects

The following pages contain a short summary of each of the 295 approved and funded SWAP projects. The projects are listed by county and include the date the SWAP Grant Contract was signed and became effective (Contract Date) as well as the dates of any amendments to the Grant Contract. The Status heading indicates the current standing of the project in the contract or operational stage of the program. Active under the Status heading indicates that the project is still operational and being administered by the DEQ. Closed under the Status heading refers to a SWAP grant contract that has been canceled, terminated, or that reached the end of its term as defined in the contract.

Some projects were amended when the grantee, funding, terms, goals, completion dates, and/or diversion rates were changed by shifting circumstances subsequent to receiving SWAP funds. Any alterations in the contract, either made by the grantee or by the DEQ staff, were approved by the DEQ before they could take effect. In many cases, a contract amendment signed by the grantee and the DEQ was executed to authorize the modification.

This synopsis does not contain the SWAP projects canceled prior to receiving funding (Table I-C).

County: Alger
Category: Landfill/Dump Closure
Project Code: CLS-1-02-81
Project Name: Burt Township
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$327,447.00
Matching Amount: \$36,382.00
Status: Active
Nature of Project: Closure of unlicensed dump.

County: Alger
Category: Landfill/Dump Closure
Project Code: CLS-1-02-71
Project Name: Limestone & Mathias Townships
Fiscal Year: 89/90
Contract Date: 1/28/1991
Grant Amount: \$236,716.00
Matching Amount: \$26,302.00
Status: Active
Nature of Project: Closure of unlicensed dump.

County: Alger
Category: Landfill/Dump Closure
Project Code: CLS-1-02-37
Project Name: Rock River Township
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$241,905.00
Matching Amount: \$26,879.00
Status: Active
Nature of Project: Closure of unlicensed dump.

County: Alger
Category: Resource Recovery Education
Project Code: ED-1-02-20002
Project Name: Alger Soil Conservation District
Fiscal Year: 91/92
Contract Date: 5/15/1992
Grant Amount: \$4,198.00
Matching Amount: \$1,399.00
Status: Closed
Project completed 4/24/1995.
Nature of Project: Education of Alger County residents on what, how, and where to recycle in the County. Funds will be used for salaries and promotional materials.

County: Alger

Category: Transfer Station Construction

Project Code: TSC-1-02-20027

Project Name: Waste Management, Inc. (formerly Peninsula Sanitation, Inc.)

Fiscal Year: 91/92

Contract Date: 5/6/1991; amended 6/9/1992 to extend the project completion date to 9/30/1992.

Grant Amount: \$200,000.00

Matching Amount: \$66,670.00

Status: Active

Nature of Project: To construct and operate a transfer-recycling station to serve Alger County. Grantee changed to Waste Management Inc., in 1999.

County: Allegan
Category: Market Development
Project Code: MD-3-03-30053
Project Name: Ampro Industries
Fiscal Year: 92/93
Contract Date: 8/9/1993
Grant Amount: \$844,100.00
Matching Amount: \$281,336.00
Status: Closed
Terminated at the request of the Grantee 3/1/2001. The Environmental Protection Bond Fund received a prorated reimbursement of \$138,000.00 in Grant funds.
Nature of Project: Grant funding was used to build a mulch plant to make mulch from old newspapers. The funds were used to build a structure and for equipment. The goal was to divert old newspapers from landfills.

County: Allegan
Category: Transfer Station Construction
Project Code: TSC-3-03-2051
Project Name: Casco Township
Fiscal Year: 91/92
Contract Date: 5/5/1992
Grant Amount: \$54,200.00
Matching Amount: \$18,070.00
Status: Active
Nature of Project: To upgrade and expand the existing township transfer station site.

County: Antrim

Category: Resource Recovery Education

Project Code: ED-2-05-10045

Project Name: Antrim County Resource Recovery

Fiscal Year: 90/91

Contract Date: 11/30/1990

Grant Amount: \$327,447.00

Matching Amount: \$500.00

Status: Closed
Project completed 11/3/1994.

Nature of Project: Education of Antrim County residents on what, how, and where to recycle in the county.

County: Baraga
Category: Landfill/Dump Closure
Project Code: CLS-1-07-05
Project Name: Village of L'Anse
Fiscal Year: 89/90
Contract Date: 1/28/1991
Grant Amount: \$306,176.00
Matching Amount: \$40,500.00
Status: Active
Nature of Project: Closure of unlicensed dump.

County: Baraga
Category: Recycling-Collection/Processing
Project Code: RP-1-07-10022
Project Name: Tasco
Fiscal Year: 90/91
Contract Date: 3/1/1991
Grant Amount: \$88,200.00
Matching Amount: \$29,400.00
Status: Active
Nature of Project: Purchase of equipment to expand the recovery of corrugated cardboard, newspapers, glass, and milk jugs for recycling.

County: Barry

Category: Resource Recovery Education

Project Code: ED-3-08-10041

Project Name: Recycling in Barry County

Fiscal Year: 90/91

Contract Date: 9/28/1990

Grant Amount: \$14,900.00

Matching Amount: \$4,967.00

Status: Closed
Project completed 11/5/1995.

Nature of Project: Provide resource recycling education to local residents and promote the use of satellite drop-off stations in Barry County.

County: Bay
Category: Recycling-Collection/Processing
Project Code: RP-2-09-10035
Project Name: City of Bay City
Fiscal Year: 90/91
Contract Date: 1/18/1991
Grant Amount: \$48,000.00
Matching Amount: \$18,270.00
Status: Active
Nature of Project: Purchase of equipment to initiate the recovery of newspapers for recycling.

County: Berrien
Category: Clean Michigan Community
Project Code: CMC-3-11-00198
Project Name: City of Buchanan
Fiscal Year: 89/90
Contract Date: 7/1/1991; amended 5/1/1994 to extend the project completion to 6/30/1994
Grant Amount: \$603,297.00
Matching Amount: \$0.00
Status: Active
Nature of Project: Plan and implement an integrated community-wide recycling-collection/processing, composting, and resource recovery education demonstration program that will be a model for communities across the state.

County: Berrien
Category: Household Hazardous Waste Center
Project Code: HHWC-3-11-10069
Project Name: Southeast Berrien County Landfill Authority
Fiscal Year: 90/91
Contract Date: 10/25/1990
Grant Amount: \$45,100.00
Matching Amount: \$15,030.00
Status: Active
Nature of Project: Construction of a permanent household hazardous waste collection center to divert and properly dispose of household hazardous waste.

County: Berrien
Category: Recycling-Collection/Processing
Project Code: RP-3-11-50006
Project Name: Gateway
Fiscal Year: 94/95
Contract Date: 03/21/1995
Grant Amount: \$62,982.00
Matching Amount: \$21,000.00
Status: Active
Nature of Project: Construction of an addition to Gateway's building to enable the organization to increase its annual diversion of office paper wastes and create an additional 12 jobs. The project serves Berrien County, the west side of Cass County, and the southern corner of Van Buren County.

County: Branch

Category: Resource Recovery Education

Project Code: ED-3-12-00090

Project Name: Branch County

Fiscal Year: 89/90

Contract Date: 7/2/1990; amended 7/11/1991 to extend the completion date to 3/31/1992; and amended 4/7/1992 to extend the completion date to 5/31/1992.

Grant Amount: \$9,472.00

Matching Amount: \$3,183.00

Status: Closed
Project 4/19/1995.

Nature of Project: Provide resource recovery education to local citizens and promote the use of satellite drop-off stations in Branch County.

County: Calhoun
Category: Household Hazardous Waste Center
Project Code: HHWC-3-13-10040
Project Name: Calhoun County Health Department
Fiscal Year: 90/91
Contract Date: 12/28/1990; amended 6/13/1994 to extend the project completion date to 6/30/1994.
Grant Amount: \$74,400.00
Matching Amount: \$24,800.00
Status: Active
Nature of Project: Construction of a permanent household hazardous waste collection center to divert and properly dispose of household hazardous waste.

County: Calhoun
Category: Market Development
Project Code: MD-3-13-40011
Project Name: Polycytek L.L.C.
Fiscal Year: 93/94
Contract Date: 10/31/1994; amended 5/6/1996 to extend the project completion date to 8/30/1996; amended 1/16/1997 to extend the project completion date to 6/30/1997; amended 12/16/1997 to extend the project completion date to 11/30/1997.
Grant Amount: \$3,185,785.00
Matching Amount: \$1,068,800.00
Status: Active. The project has been beset with problems including a change of ownership and a fire in 1998 that destroyed some of the equipment. The current owner is attempting to complete repairs and start production.
Nature of Project: Purchase of equipment to utilize post-consumer and post-industrial plastics generated from Michigan sources to produce and market a substitute wood product.

County: Calhoun
Category: Market Development
Project Code: MD-3-13-00165
Project Name: Rock-Tenn Company (formerly Waldorf Corporation)
Fiscal Year: 89/90
Contract Date: 10/23/1990; amended 3/26/1992 to extend the project completion date to 5/31/1992.
Grant Amount: \$1,646,821.00
Matching Amount: \$548,940.00
Status: Active
Nature of Project: Purchase of equipment to develop boxboard, utilizing newspapers, corrugated cardboard, and mixed paper.

County: Calhoun
Category: Market Development
Project Code: MD-3-13-00209
Project Name: Michigan Paperboard Company
Fiscal Year: 89/90
Contract Date: 7/20/1990; amended 10/31/1991 to extend the project completion date to 12/31/1991.
Grant Amount: \$2,769,117.00
Matching Amount: \$923,039.00
Status: Active
Nature of Project: Purchase of equipment to develop a three-ply boxboard for food packaging utilizing newspapers, corrugated cardboard, and mixed paper.

County: Calhoun
Category: Recycling-Collection/Processing
Project Code: RP-3-13-10024
Project Name: Franklin Iron & Metal Company
Fiscal Year: 90/91
Contract Date: 2/22/1991; amended 11/7/1991 to extend the project completion date to 12/31/1991.
Grant Amount: \$85,015.00
Matching Amount: \$30,100.00
Status: Active
Nature of Project: Purchase of equipment to initiate the recovery of various industrial scrap plastics for recycling.

County: Cass
Category: Landfill/Dump Closure
Project Code: CLS-3-14-62
Project Name: City of Dowagiac
Fiscal Year: 89/90
Contract Date: 1/28/1991
Grant Amount: \$521,416.00
Matching Amount: \$66,667.00
Status: Active
Nature of Project: Closure of unlicensed dump.

County: Cass
Category: Market Development
Project Code: MD-3-24-50008
Project Name: Watson's Tree Service
Fiscal Year: 94/95
Contract Date: 5/2/1995
Grant Amount: \$310,100.00
Matching Amount: \$103,370.00
Status: Active
Nature of Project: To develop further markets for bagged, colored mulch produced by Watson's Tree Service. Watson included the purchase of a conveyor and screener to increase the quality of their product and make it more attractive to market.

County: Charlevoix
Category: Landfill/Dump Closure
Project Code: CLS-2-15-15
Project Name: St. James and Peaine Townships
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$177,300.00
Matching Amount: \$22,100.00
Status: Active
Nature of Project: Closure of Beaver Island dump.

County: Charlevoix
Category: Transfer Station Construction
Project Code: TSC-2-15-10007
Project Name: St. James and Peaine Townships
Fiscal Year: 90/91
Contract Date: 6/25/1990; amended 11/19/1990 to extend date to 12/31/1990; and amended 10/31/1991 to extend the project completion date to 9/30/1991.
Grant Amount: \$88,200.00
Matching Amount: \$29,400.00
Status: Active
Nature of Project: Construction of a solid waste transfer station to serve the residents of Beaver Island.

County: Charlevoix

Category: Resource Recovery Education

Project Code: ED-2-15-10006

Project Name: WATCH (Water and Air Team Charlevoix)

Fiscal Year: 90/91

Contract Date: 10/1/1990

Grant Amount: \$3,800.00

Matching Amount: \$1,267.00

Status: Closed
Project completed 9/30/1991.

Nature of Project: Provide resource recovery education to local residents and promote the use of resource recovery alternatives in Charlevoix County.

County: Cheboygan
Category: Landfill/Dump Closure
Project Code: CLS-1-16-10
Project Name: Mullett Township
Fiscal Year: 90/91
Contract Date: 12/2/1991
Grant Amount: \$305,341.00
Matching Amount: \$42,200.00
Status: Active
Nature of Project: Closure of unlicensed dump.

County: Cheboygan
Category: Landfill/Dump Closure
Project Code: CLS-2-16-90119
Project Name: Inverness Township
Fiscal Year: 88/89
Contract Date: 5/8/1990
Grant Amount: \$411,750.00
Matching Amount: \$45,750.00
Status: Active
Nature of Project: Closure of unlicensed dump.

County: Chippewa
Category: Landfill/Dump Closure
Project Code: CLS-1-17-70
Project Name: Trout Lake Township
Fiscal Year: 89/90
Contract Date: 11/9/1990
Grant Amount: \$99,217.00
Matching Amount: \$11,030.00
Status: Active
Nature of Project: Closure of unlicensed township dump.

County: Chippewa
Category: Landfill/Dump Closure
Project Code: CLS-1-17-75
Project Name: Raber Township
Fiscal Year: 90/91
Contract Date: 3/5/1992
Grant Amount: \$80,203.00
Matching Amount: \$12,687.00
Status: Active
Nature of Project: Closure of unlicensed township dump.

County: Chippewa
Category: Landfill/Dump Closure
Project Code: CLS-1-17-72
Project Name: Village of DeTour Village
Fiscal Year: 90/91
Contract Date: 3/5/1992
Grant Amount: \$319,796.00
Matching Amount: \$42,123.00
Status: Active
Nature of Project: Closure of unlicensed township dump.

County: Chippewa
Category: Composting
Project Code: CP-1-17-20041
Project Name: City of Sault Ste. Marie
Fiscal Year: 91/92
Contract Date: 8/21/1992; amended 5/20/1993 to extend the project completion date to 6/30/1993; and 10/12/1993 to extend the project completion date to 12/31/1993.
Grant Amount: \$75,900.00
Matching Amount: \$25,300.00
Status: Active
Nature of Project: The City of Sault Ste. Marie purchased composting collection and processing equipment to expand the city's leaf collection program. Grant funds were used to purchase a leaf loader, a windrow turner, a chipper/shredder, and promotional materials.

County: Chippewa

Category: Recycling-Collection/Processing

Project Code: RP-1-17-10037

Project Name: Northern Transitions, Inc.

Fiscal Year: 90/91

Contract Date: 11/30/1990; amended 6/14/1991 to amend the total grant amount to \$171,800.00; and amended 11/15/1991 to extend the project completion date to 11/31/1991.

Grant Amount: \$171,800.00

Matching Amount: \$57,275.00

Status: Active

Nature of Project: To increase the participation of the county residents in the local recycling program and reduce the waste stream. Grant funds were used to construct a building to provide for processing materials and storage. Four enclosed trailers were also purchased to be placed in outlying areas as drop-off sites

County: Clare
Category: Landfill/Dump Closure
Project Code: CLS-2-18-84
Project Name: Franklin Township
Fiscal Year: 89/90
Contract Date: 9/21/90
Grant Amount: \$85,426.00
Matching Amount: \$9,491.00
Status: Active
Nature of Project: Closure of unlicensed dump.

County: Clare
Category: Landfill/Dump Closure
Project Code: CLS-2-18-23
Project Name: City of Harrison
Fiscal Year: 89/90
Contract Date: 9/21/90
Grant Amount: \$477,355.00
Matching Amount: \$53,039.00
Status: Active
Nature of Project: Closure of unlicensed dump.

County: Clare
Category: Landfill/Dump Closure
Project Code: CLS-2-18-58
Project Name: Sheridan Township
Fiscal Year: 90/91
Contract Date: 1/15/92
Grant Amount: \$138,682.00
Matching Amount: \$15,408.00
Status: Active
Nature of Project: Closure of unlicensed dump.

County: Clare
Category: Landfill/Dump Closure
Project Code: CLS-2-18-29
Project Name: Surrey Township
Fiscal Year: 89/90
Contract Date: 9/21/90
Grant Amount: \$316,216.00
Matching Amount: \$35,135.00
Status: Active
Nature of Project: Closure of unlicensed dump.

County: Clinton

Category: Recycling-Collection/Processing

Project Code: RP-3-19-20084

Project Name: Clinton County Board of Commissioners

Fiscal Year: 91/92

Contract Date: 3/11/1992; amended 10/12/1993 to extend the completion date to 12/31/1993; amended 7/14/1993 to extend the completion date to 9/30/1993; and amended 1/19/1994 to extend the completion date to 2/28/1994.

Grant Amount: \$96,284.00

Matching Amount: \$32,094.00

Status: Active

Nature of Project: To establish a mobile drop off center in every township in Clinton County. Grant funding was used to purchase a roll-off truck, containers, carts, and miscellaneous equipment.

County: Delta

Category: Clean Michigan Community

Project Code: CMC-1-21-00008

Project Name: Clinton County Board of Commissioners

Fiscal Year: 89/90

Contract Date: 9/25/91; amended 5/2/1994 to extend the project completion date to 6/30/1994; and amended 11/7/1994 to extend the project completion date to 12/31/1994

Grant Amount: \$1,098,235.00

Matching Amount: \$0.00

Status: Active

Nature of Project: Plan and implement an integrated community-wide recycling-collection/processing, composting, and resource recovery education demonstration program that will be a model for communities across the state.

County: Dickinson
Category: Landfill/Dump Closure
Project Code: CLS-1-22-76
Project Name: Central Landfill Authority
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$600,000.00
Matching Amount: \$66,667.00
Status: Active
Nature of Project: Closure of unlicensed dump.

County: Dickinson
Category: Recycling-Collection/Processing
Project Code: RP-1-22-10033
Project Name: Dickinson County Solid Waste Management Authority (Dickinson County Board of Commissioners)
Fiscal Year: 90/91
Contract Date: 12/28/1990; amended 3/20/1992 to extend the completion date to 3/31/1992; amended 11/10/1992 to extend the completion date to 6/30/1992; and amended 11/7/1994 to change the name of the Grantee from the Dickinson County Board of Commissioners to the Dickinson County Solid Waste Management Authority.
Grant Amount: \$23,734.00
Matching Amount: \$7,911.00
Status: Active
Nature of Project: Purchase of equipment to expand the recovery of newspapers, glass, metals, and milk jugs for recycling.

County: Dickinson
Category: Composting
Project Code: CP-1-22-10034
Project Name: Dickinson County Solid Waste Management Authority
Fiscal Year: 90/91
Contract Date: 12/28/1990; amended 5/6/1992 to extend the completion date to 3/31/1992; amended 11/10/1992 to extend the completion date to 8/31/1992; and amended 11/7/1994 to change the name of the Grantee from the Dickinson County Board of Commissioners to the Dickinson County Solid Waste Management Authority.
Grant Amount: \$42,587.00
Matching Amount: \$14,196.00
Status: Active
Nature of Project: Purchase of equipment to expand the recovery of yard waste for composting.

County: Dickinson
Category: Household Hazardous Waste Center
Project Code: HHWC-1-22-10032
Project Name: Dickinson County Solid Waste Management Authority
Fiscal Year: 90/91
Contract Date: 12/28/1990; amended 11/7/1994 to change the name of the Grantee from the Dickinson County Board of Commissioners to the Dickinson County Solid Waste Management Authority; and 9/21/1995 to extend the completion date to 2/28/1995.
Grant Amount: \$54,060.00
Matching Amount: \$18,020.00
Status: Active
Nature of Project: Construction of a permanent household hazardous waste collection center to divert and properly dispose of household hazardous waste and to recycle used oil.

County: Eaton
Category: Composting
Project Code: CP-3-23-40032
Project Name: Village of Vermontville
Fiscal Year: 93/94
Contract Date: 3/31/1994
Grant Amount: \$10,100.00
Matching Amount: \$3,367.00
Status: Active
Nature of Project: Purchase of equipment and the institution of a composting program in the Village of Vermontville including the banning of the open burning of leaves and yard debris in the Village limits, educating the residents about the program, establishment of a pickup schedule, and distributing compost to the residents.

County: Eaton
Category: Marketing Project
Project Code: MD-3-23-40029
Project Name: Kamps Pallets, Inc.
Fiscal Year: 93/94
Contract Date: 4/18/1994; amended 6/23/1995 to extend the completion date to 8/31/1995.
Grant Amount: \$155,918.00
Matching Amount: \$51,973.00
Status: Active
Nature of Project: Purchase equipment to reduce landfill dependency through increased pallet and wood waste recycling. Pallets will be reused or shredded with wood waste byproducts and sold as landscape mulch.

County: Emmet
Category: Resource Recovery Education
Project Code: ED-2-24-00077
Project Name: Recycle North
Fiscal Year: 89/90
Contract Date: 5/23/1990
Grant Amount: \$19,748.00
Matching Amount: \$6,582.00
Status: Closed
Project completed 5/11/1995.
Nature of Project: Provide rescue recovery education to local citizens and promote the use of Recycle North in Emmet County.

County: Emmet
Category: Household Hazardous Waste Center
Project Code: HHWC-2-24-20055
Project Name: Emmet County Department of Public Works
Fiscal Year: 91/92
Contract Date: 3/20/1992
Grant Amount: \$100,000.00
Matching Amount: \$33,340.00
Status: Active
Nature of Project: Establish a household hazardous waste collection center at the Emmet County Transfer Station/Recycling Center to accept household hazardous waste materials, by appointment, from the residents of Emmet, Cheboygan, and Charlevoix Counties. The grant was used to make site improvements, purchase a hazardous waste storage unit, cover disposal expenses, and to provide for program promotional and educational expenses.

County: Emmet
Category: Market Development
Project Code: MD-2-24-10136
Project Name: Petoskey Plastics, Inc.
Fiscal Year: 90/91
Contract Date: 10/5/1990; amended 8/7/1992 to extend the completion date to 10/31/1992; amended 4/15/1992 to extend the completion date to 7/31/1992; amended 12/14/1992 to extend the completion date to 3/31/1993; and amended 1/5/1994 to extend the completion date to 6/30/1993.
Grant Amount: \$1,222,500.00
Matching Amount: \$407,500.00
Status: Active
Nature of Project: Purchase of equipment to collect and reprocess low density polyethylene (LDPE) post-consumer, commercial and industrial scrap plastic to remanufacture plastic bags.

County: Emmet
Category: Recycling-Collection/Processing
Project Code: RP-2-24-11022
Project Name: Emmet County Department of Public Works
Fiscal Year: 90/91
Contract Date: 1/18/1991; amended 11/7/1991 to extend the completion date to 12/31/1991.
Grant Amount: \$15,433.00
Matching Amount: \$5,147.00
Status: Active
Nature of Project: Purchase of equipment to initiate a collection site for the recycling of high density polyethylene (HDPE) plastic.

County: Genesee
Category: Recycling-Collection/Processing
Project Code: RP-3-25-20098
Project Name: Flushing Township
Fiscal Year: 91/92
Contract Date: 3/11/1992
Grant Amount: \$13,414.00
Matching Amount: \$4,471.00
Status: Active
Nature of Project: Establish drop-off centers in two mobile home parks not served by the township's curbside recycling program for glass, tin cans, and HDPE plastics.

County: Genesee
Category: Recycling-Collection/Processing
Project Code: RP-3-25-00051
Project Name: Flushing Band & Orchestra Boosters
Fiscal Year: 89/90
Contract Date: 5/23/90; amended 2/27/1992 to extend the completion date to 9/30/1991.
Grant Amount: \$6,647.00
Matching Amount: \$2,155.00
Status: Active
Nature of Project: Equipment and structures to expand the recovery of newspapers for recycling.

County: Genesee
Category: Recycling-Collection/Processing
Project Code: RP-3-25-10087
Project Name: North American Environmental Services
Fiscal Year: 90/91
Contract Date: 11/2/90; amended 9/28/1992 to extend the completion date to 12/31/1992.
Grant Amount: \$92,606.00
Matching Amount: \$108,390.00
Status: Closed
Project terminated 2/17/1994.
Nature of Project: Purchase of equipment to initiate the recovery of demolition/construction debris for recycling. Project terminated 2/28/1995 because the SWAP purchased equipment was sold to Mid-Michigan Recycling, L.C. (MMR). MMR is to furnish annual reports until 2/28/2002. North American Environmental Services reimbursed the Environmental Protection Bond Fund \$200,000.00.

County: Genesee
Category: Market Development
Project Code: MD-3-25-40060
Project Name: Environmental Rubber Recycling
Fiscal Year: 93/94
Contract Date: 8/16/1994; amended 3/25/1996 to extend the completion date to 3/31/1996.
Grant Amount: \$789,500.00
Matching Amount: \$263,170.00
Status: Active
Nature of Project: Purchase of equipment to maximize Environmental Rubber Recycling's production efficiency by increasing its shredding and granulating capacities for scrap tires.

County: Genesee
Category: Market Development
Project Code: MD-3-25-40037
Project Name: American Commodities, Inc.
Fiscal Year: 93/94
Contract Date: 2/11/1994
Grant Amount: \$790,677.00
Matching Amount: \$263,790.00
Status: Active
Nature of Project: To develop a closed-loop recycling facility in Flint for automotive plastic waste.

County: Genesee
Category: Composting
Project Code: CP-3-25-10001
Project Name: City of Davison
Fiscal Year: 90/91
Contract Date: 10/1/1990
Grant Amount: \$21,221.00
Matching Amount: \$7,074.00
Status: Active
Nature of Project: Purchase of equipment to expand the recovery of yard waste for composting.

County: Gogebic
Category: Landfill/Dump Closure
Project Code: CLS-1-27-78
Project Name: Ironwood Charter Township
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$455,402.00
Matching Amount: \$50,600.00
Status: Active
Nature of Project: Close unlicensed township dump.

County: Gogebic
Category: Landfill/Dump Closure
Project Code: CLS-1-27-78
Project Name: City of Ironwood
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$600,000.00
Matching Amount: \$66.667.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Gogebic
Category: Landfill/Dump Closure
Project Code: CLS-1-27-19
Project Name: Bessemer Township
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$144,507.00
Matching Amount: \$16,056.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Gogebic
Category: Landfill/Dump Closure
Project Code: CLS-1-27-03
Project Name: City of Bessemer
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$331,499.00
Matching Amount: \$36,833.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Gogebic
Category: Landfill/Dump Closure
Project Code: CLS-1-27-26
Project Name: Marenisco Township
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$118,285.00
Matching Amount: \$13,143.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Gogebic
Category: Landfill/Dump Closure
Project Code: CLS-1-27-16
Project Name: Erwin Township
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$181,034.00
Matching Amount: \$20,115.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Gogebic
Category: Landfill/Dump Closure
Project Code: CLS-1-27-11
Project Name: Watersmeet Township
Fiscal Year: 89/90
Contract Date: 10/23/1990
Grant Amount: \$229,880.00
Matching Amount: \$25,543.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Gogebic
Category: Landfill/Dump Closure
Project Code: CLS-1-27-04
Project Name: City of Wakefield
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$360,570.00
Matching Amount: \$40,063.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Gogebic
Category: Composting
Project Code: CP-1-27-40021
Project Name: Gogebic Range Solid Waste Management Authority
Fiscal Year: 93/94
Contract Date: 3/31/1994; amended 3/21/1995 to extend the completion date to 9/30/1995; and amended 7/7/1995 to extend the completion date to 8/31/1995
Grant Amount: \$67,600.00
Matching Amount: \$22,535.00
Status: Active
Nature of Project: Creation of a regional/multicommunity yard waste composting site to serve the cities of Bessemer and Wakefield and the townships of Bessemer, Erwin, Ironwood, Marenisco and Wakefield. Grant funds were used to construct a yard waste composting site, purchase a front-end loader, and a wood chipper.

County: Gogebic
Category: Recycling-Collection/Processing
Project Code: RP-1-27-10015
Project Name: Gogebic Range Solid Waste Management Authority
Fiscal Year: 90/91
Contract Date: 11/19/1990; amended 11/7/1991 to extend the completion date to 12/31/1991; and amended 4/20/1992 to extend the completion date to 2/28/1992.
Grant Amount: \$133,400.00
Matching Amount: \$44,470.00
Status: Active
Nature of Project: Purchase of a structure and equipment to initiate the recovery of corrugated cardboard, newspapers, glass, plastic, and household appliances for recycling.

County: Grand Traverse
Category: Composting
Project Code: CP-1-28-20094
Project Name: Grand Traverse County
Fiscal Year: 91/92
Contract Date: 2/26/1993; amended 1/3/1995 to extend the completion date to 3/31/1995; contract revised to include education materials and resigned 3/18/96; the completion date was changed to 6/30/1996.
Grant Amount: \$159,554.00
Matching Amount: \$53,200.00
Status: Active
Nature of Project: Grand Traverse County will purchase a large tub grinder to establish a wood waste processing capacity in the County. The grinder will service three satellite sites as well as the central location and provide on-site grinding services to orchards and vineyards.

County: Grand Traverse
Category: Household Hazardous Waste Center
Project Code: HHWC-2-28-10130
Project Name: Grand Traverse County
Fiscal Year: 90/91
Contract Date: 10/10/1990; amended 1/5/1994 to extend the completion date to 3/31/1994; and amended 5/24/1994 to extend the completion date to 6/30/1994.
Grant Amount: \$85,745.00
Matching Amount: \$28,581.00
Status: Active
Nature of Project: Construction of a regional permanent household hazardous waste collection center to divert and properly dispose of household hazardous waste from residents in Grand Traverse, Leelanau, Benzie, Antrim, and Kalkaska Counties.

County: Grand Traverse
Category: Resource Recovery Education
Project Code: ED-2-28-40042
Project Name: Grand Traverse County
Fiscal Year: 93/94
Contract Date: 1/9/1995
Grant Amount: \$33,808.00
Matching Amount: \$12,100.00
Status: Active
No annual reports received for 1998,1999, or 2000.
Nature of Project: This program provided waste reduction assistance services to individuals and businesses, worked with area school districts to disseminate waste reduction information into classrooms, and operated as the primary promotional tool for the overall Grand Traverse County Solid Waste Alternatives Program.

County: Grand Traverse
Category: Recycling-Collection/Processing
Project Code: RP-2-28-11012
Project Name: GTP Industries, Inc.
Fiscal Year: 90/91
Contract Date: 3/14/1991; amended 11/7/1991 to extend the completion date to 12/31/1991.
Grant Amount: \$37,416.00
Matching Amount: \$12,472.00
Status: Closed
Project terminated 12/10/1996 because GTP Industries, Inc. (GTP) discontinued recycling operations. In accordance with the termination conditions negotiated with GTP covering this project and project RP-2-28-00025, GTP repaid \$10,500.00 to the Environmental Protection Bond Fund.
Nature of Project: Purchase of equipment to initiate a plastics recycling program.

County: Grand Traverse

Category: Recycling-Collection/Processing

Project Code: RP-2-28-00025

Project Name: GTP Industries, Inc.

Fiscal Year: 89/90

Contract Date: 5/23/1990; amended 7/11/1991 to extend the completion date to 8/31/1991; and amended 11/15/1991 to extend the completion date to 8/30/1991.

Grant Amount: \$7,785.00

Matching Amount: \$3,000.00

Status: Closed
Project terminated 12/10/1996 because GTP Industries, Inc. (GTP) discontinued recycling operations. In accordance with the termination conditions negotiated with GTP covering this project and project RP-2-28-11012, GTP repaid \$10,500.00 to the Environmental Protection Bond Fund.

Nature of Project: Purchase of equipment to expand the recovery of tin, aluminum, glass, newspapers, office paper, and corrugated cardboard for recycling.

County: Gratiot
Category: Recycling-Collection/Processing
Project Code: RP-3-29-1-10121
Project Name: Village of Breckenridge
Fiscal Year: 90/91
Contract Date: 10/1/1990
Grant Amount: \$1,275.00
Matching Amount: \$467.00
Status: Closed
Project completed 11/28/1995.
Nature of Project: Purchase of two 10-foot x 12-foot storage sheds to initiate the recovery of glass, corrugated cardboard, plastic aluminum, and tin for recycling.

County: Gratiot
Category: Recycling-Collection/Processing
Project Code: RP-3-29-1-10112
Project Name: Gratiot County
Fiscal Year: 89/90
Contract Date: 9/28/1990
Grant Amount: \$2,800.00
Matching Amount: \$933.00
Status: Active
Nature of Project: Purchase of four 10-foot x 12-foot sheds to initiate the recovery of corrugated cardboard, brown paper bags, boxboard, aluminum, tin HDPE, and plastic film for recycling.

County: Gratiot
Category: Recycling-Collection/Processing
Project Code: RP-3-29-1-00155
Project Name: Gratiot County
Fiscal Year: 89/90
Contract Date: 7/23/1990
Grant Amount: \$1,088.00
Matching Amount: \$362.00
Status: Active
Nature of Project: To provide a low-body utility trailer to townships and other local units of government within Gratiot County to establish recycling drop-off sites.

County: Hillsdale

Category: Resource Recovery Education

Project Code: ED-3-30-00188

Project Name: Region II Community Action Agency

Fiscal Year: 89/90

Contract Date: 6/15/1990; amended 8/2/1991 to extend the completion date to 8/30/1991.

Grant Amount: \$7,018.00

Matching Amount: \$2,340.00

Status: Closed
Project completed 8/30/1996.

Nature of Project: Promote resource recovery education to local citizens and promote the use of the Region II Community Action Agency's resource recovery program.

County: Houghton
Category: Landfill/Dump Closure
Project Code: CLS-1-31-27
Project Name: Calumet Charter Township
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$600,000.00
Matching Amount: \$66,667.00
Status: Active
Nature of Project: To close an unlicensed landfill.

County: Houghton
Category: Resource Recovery Education
Project Code: ED-1-31-30024
Project Name: Michigan Technological University
Fiscal Year: 92/93
Contract Date: 8/16/1993; amended 8/18/1994 to extend the completion date to 2/28/1995.
Grant Amount: \$36,491.00
Matching Amount: \$12,163.00
Status: Closed
Project completed 8/28/2000.
Nature of Project: To educate the general public and businesses in Houghton and Keweenaw Counties about existing recycling opportunities using a coordinator, a bi-annual newsletter, and short television and radio promotions.

County: Houghton
Category: Market Development Research and Demonstration
Project Code: MDRD-1-31-20024
Project Name: Michigan Technological University
Fiscal Year: 91/92
Contract Date: 2/27/1992
Grant Amount: \$217,278.00
Matching Amount: \$39,050.00
Status: Closed
Project completed 2/28/1997.
Nature of Project: The goal of this project was to develop a new recycling technology for manufacturing waste paper, tires, and wood into a family of marketable elastomeric composite materials.

County: Houghton
Category: Market Development Research and Demonstration
Project Code: MDRD-1-31-20025
Project Name: Michigan Technological University
Fiscal Year: 91/92
Contract Date: 2/27/1992
Grant Amount: \$243,000.00
Matching Amount: \$42,870.00
Status: Closed
Project completed 2/28/1997.
Nature of Project: The goal of this project was to develop methods to reclaim fly ash from power plants and to create processes which divert the fly ash to marketable materials. Separated components from the fly ash were to be used in various applications such as plastics, ceramics, and concrete products. The project was to identify and develop markets for these products.

County: Houghton
Category: Market Development Research and Demonstration
Project Code: MDRD-1-31-40002
Project Name: Michigan Technological University
Fiscal Year: 93/94
Contract Date: 8/25/1994; amended 4/9/1995 to extend the completion date to 2/29/1996; and amended 12/26/1995 to extend the completion date to 4/30/1996.
Grant Amount: \$126,743.00
Matching Amount: \$23,190.00
Status: Closed
 Project completed 2/28/1999.
Nature of Project: The goal of this project was to develop an old corrugated containers fiber composite material technology which manufactured the old corrugated containers into performance-designed, value-added and long-lived composite materials with diverse properties that would range from general use to advance structural applications.

County: Houghton
Category: Market Development Research and Demonstration
Project Code: MDRD-1-31-10055
Project Name: Michigan Technological University
Fiscal Year: 90/91
Contract Date: 5/20/1991; amended 6/12/1992 to extend the completion date to 6/30/1992
Grant Amount: \$148,896.00
Matching Amount: \$26,420.00
Status: Closed
 Project completed 1/25/1996.
Nature of Project: To identify and develop environmentally sound alternative industrial uses for spent foundry sands.

County: Houghton

Category: Market Development Research and Demonstration

Project Code: MDRD-1-31-40014

Project Name: Michigan Technological University

Fiscal Year: 93/94

Contract Date: 9/8/1994; amended 12/26/1995 to extend the completion date to 6/30/1996.

Grant Amount: \$203,700.00

Matching Amount: \$35,950.00

Status: Closed
Project completed 2/28/1999.

Nature of Project: The goal of this project was to develop products which utilized scrap window and mixed color, post-consumer container glass and to demonstrate new business opportunities for these products.

County: Houghton

Category: Market Development

Project Code: MD-1-31-30023

Project Name: Great Lakes Plastics Company (Great Lakes Plastics Corporation)

Fiscal Year: 90/91

Contract Date: 4/27/1992; amended 9/1/1993 to change the Grantee name from the Great Lakes Plastics Corporation to the Great Lakes Plastics Company; and amended 7/27/1994 to extend the completion date to 6/30/1994.

Grant Amount: \$16,769.00 (\$45,769.00 original grant amount minus the \$29,000.00 repayment).

Matching Amount: \$12,840.00

Status: Closed
Terminated by the DEQ on 11/2/1999 for contract violations. The Environmental Protection Fund received a prorated grant repayment of \$29,000.00.

Nature of Project: Great Lakes Plastics Corporation fabricates fiberglass tubs, shower and whirlpool jetted tubs. The grant was used to purchase equipment that would grind the scrap material, in the form of overspray and trimmings, into a form acceptable to re-introduce into the manufacturing process.

County: Houghton
Category: Waste Reduction Research and Demonstration
Project Code: WRRD-1-31-00054
Project Name: Michigan Technological University
Fiscal Year: 89/90
Contract Date: 6/4/1990; amended 7/11/1991 to extend the completion date to 1/31/1992; amended 2/27/1992 to extend the completion date to 3/31/1992; amended 8/22/1992 to extend the completion date to 8/30/1992.
Grant Amount: \$248,627.00
Matching Amount: \$43,885.00
Status: Closed
Project completed 11/22/1995.
Nature of Project: To develop methods for reducing the amount of waste foundry sands that are landfilled by investigating the possibilities of reclaiming foundry sands by either removing or reactivating the coatings which are used to bind foundry sands together.

County: Houghton
Category: Waste Reduction Research and Demonstration
Project Code: WRRD-1-31-00095
Project Name: Michigan Technological University
Fiscal Year: 89/90
Contract Date: 5/23/1990
Grant Amount: \$39,667.00
Matching Amount: \$7,000.00
Status: Closed
Project completed 1/25/1996.
Nature of Project: To survey current foundry sand practices and to identify methods of reducing the amount of waste foundry sands that are landfilled by reusing spent sands.
County: Huron

Category: Clean Michigan Community
Project Code: CMC-2-32-00073
Project Name: Village of Caseville
Fiscal Year: 89/90
Contract Date: 6/21/1991; amended 4/20/1994 to extend the completion date to 6/30/1994.
Grant Amount: \$300,187.00
Matching Amount: \$0.00
Status: Active
Nature of Project: Plan and implement an integrated community-wide recycling-collection/processing, composting and resource recovery education demonstration program that will be a model for communities across the state.

County: Huron
Category: Resource Recovery Education
Project Code: ED-2-32-20032
Project Name: Huron County
Fiscal Year: 91/92
Contract Date: 3/20/1992; amended 1/5/1994 to extend the completion date to 8/31/1993.
Grant Amount: \$50,000.00
Matching Amount: \$16,670.00
Status: Closed
Project completed 2/18/1997.
Nature of Project: Promote and provide assistance to planned and existing resource recovery groups, broaden the resource recovery knowledge of public and private officials as well as the general public, and expand the types and number of resource recovery programs in Huron, Sanilac, Tuscola, and Lapeer Counties.

County: Huron
Category: Resource Recovery Education
Project Code: ED-2-32-11016
Project Name: Huron County
Fiscal Year: 90/91
Contract Date: 12/28/1990; amended 7/11/1991 to extend the completion date to 12/31/1991; and amended 5/5/1992 to extend the completion date to 3/31/1992.
Grant Amount: \$2,984.00
Matching Amount: \$994.00
Status: Closed
Project completed 1/29/1997.
Nature of Project: Provide resource recovery education to local residents and promote the recycling of plastics in Huron County.

County: Huron
Category: Recycling-Collection/Processing
Project Code: RP-2-32-11017
Project Name: Huron County
Fiscal Year: 90/91
Contract Date: 12/28/1990
Grant Amount: \$6,599.00
Matching Amount: \$2,200.00
Status: Closed
Project terminated 1/22/1996 at Huron County's request. In accordance with the termination conditions, Huron County reimbursed the Environmental Protection Bond Fund \$4,619.00.
Nature of Project: Purchase of equipment to expand the collection of HDPE plastic including other types of plastic for recycling.

County: Ingham
Category: Clean Michigan Community
Project Code: CMC-3-33-00153
Project Name: City of Lansing
Fiscal Year: 89/90
Contract Date: 5/17/1991; amended 5/6/1994 to extend the project completion date to 6/30/1994.
Grant Amount: \$2,282,554.00
Matching Amount: \$0.00
Status: Active
Nature of Project: Plan and implement an integrated community-wide recycling-collection/processing, composting, and resource recovery education demonstration program as a model for communities across the state.

County: Ingham
Category: Resource Recovery Education
Project Code: ED-3-33-20050
Project Name: Michigan Recycling Coalition
Fiscal Year: 91/92
Contract Date: 8/13/1992
Grant Amount: \$44,874.00
Matching Amount: \$14,958.00
Status: Closed
Project completed 2/6/1997.
Nature of Project: To establish the "Waste Recovery Information Network" at the Michigan Recycling Coalition to provide technical information, training, and outreach to Michigan resource recovery programs.

County: Ingham
Category: Resource Recovery Education
Project Code: ED-3-33-10134
Project Name: Michigan State University
Fiscal Year: 90/91
Contract Date: 3/14/1991; amended 4/16/1991 to extend the completion date to 5/30/1992; amended 6/4/1992 to extend the completion date to 9/30/1992; amended 10/15/1992 to extend the completion date to 12/31/1992; and amended 3/17/1994 to extend the completion date to 7/31/1993.
Grant Amount: \$37,400.00
Matching Amount: \$12,465.00
Status: Closed
Project completed 3/27/1996.
Nature of Project: To provide resource recovery education to Michigan State University students, faculty, and staff to promote the use of resource recovery programs on campus.

County: Ingham
Category: Resource Recovery Education
Project Code: ED-3-33-00196
Project Name: Ingham County
Fiscal Year: 89/90
Contract Date: 8/10/1990
Grant Amount: \$50,000.00
Matching Amount: \$16,667.00
Status: Closed
Project completed 6/7/1995.
Nature of Project: To provide resource recovery education to local citizens and promote the use of the Ingham County recycling project.

County: Ingham
Category: Resource Recovery Education
Project Code: ED-3-33-10091
Project Name: City of East Lansing
Fiscal Year: 90/91
Contract Date: 10/10/1990
Grant Amount: \$40,058.00
Matching Amount: \$13,352.00
Status: Closed
Project completed 8/4/1995.
Nature of Project: To provide resource recovery education to local citizens and promote the use of recycling programs in the city of East Lansing.

County: Ingham
Category: Household Hazardous Waste Center
Project Code: HHWC-3-33-10005
Project Name: Ingham County
Fiscal Year: 90/91
Contract Date: 2/22/1991; amended 5/2/1994 to extend the project completion date to 5/2/1994.
Grant Amount: \$99,999.00
Matching Amount: \$33,330.00
Status: Active
Nature of Project: Expansion of an existing permanent household hazardous waste collection center to increase the diversion and proper disposal of household hazardous waste from County residents.

County: Ingham
Category: Market Development
Project Code: MD-3-33-30083
Project Name: Applegate Insulation Manufacturing
Fiscal Year: 92/93
Contract Date: 4/6/1994; amended 5/7/2000 to reflect the Grantee's name change from Applegate Insulation Manufacturing to Applegate Insulation Manufacturing of MI, LLC, as the result of a reorganization.
Grant Amount: \$1,463,500.00
Matching Amount: \$487,750.00
Status: Active
Nature of Project: To expand their operations to manufacture two new products, low density cellulose insulation and Johnny Grasseed using recycled materials.

County: Ingham
Category: Market Development
Project Code: MD-3-33-11010
Project Name: Michigan Polymer Reclaim (Marsh Paul S.)
Fiscal Year: 90/91
Contract Date: 11/30/1990; amended 11/7/1991 to extend the project completion date to 9/30/1992.
Grant Amount: \$440,000.00
Matching Amount: \$146,667.00
Status: Active
Nature of Project: To purchase tooling and equipment to manufacture plastic bottles from post-consumer HDPE plastic.

County: Ingham
Category: Market Development Research and Demonstration
Project Code: MDRD-3-33-40049
Project Name: Innotech International, Inc.
Fiscal Year: 93/94
Contract Date: 5/23/1994
Grant Amount: \$82,300.00
Matching Amount: \$14,525.00
Status: Closed
Project completed 2/26/1999. A demonstration project was implemented in Lansing, Michigan at the time of the final report.
Nature of Project: To research the inclusion of mixed waste plastics as a lightweight aggregate in stabilized concrete subbases of highways. Research included methods to process and mix the plastics into the concrete, characterize the properties of concrete containing the recycled plastics, evaluate any environmental impacts, determine the economics of implementing the technology, develop design specifications, and undertake technology transfer activities.

County: Ingham
Category: Market Development Research and Demonstration
Project Code: MDRD-3-33-00220
Project Name: Michigan Chemical Council
Fiscal Year: 89/90
Contract Date: 11/2/1990; amended 10/31/1991 to extend the completion date to 10/31/1991.
Grant Amount: \$100,076.00
Matching Amount: \$17,660.00
Status: Closed
Project completed 3/24/1994.
Nature of Project: To develop a business plan for recycling expanded polystyrene.

County: Ingham
Category: Market Development Research and Demonstration
Project Code: MDRD-3-33-30006
Project Name: Michigan State University
Fiscal Year: 92/93
Contract Date: 5/4/1994
Grant Amount: \$94,600.00
Matching Amount: \$16,700.00
Status: Closed
Project completed 2/28/1998. Two demonstration projects were implemented and published in professional journals to promote the technology.
Nature of Project: To develop the technology and assess the economic feasibility of using scrap tires as lightweight aggregates and reinforcing fibers in concrete. To disseminate the research through summary reports, technical presentations, publications, and active cooperation with private and public agencies.

County: Ingham
Category: Market Development Research and Demonstration
Project Code: MDRD-3-33-40012
Project Name: Michigan State University
Fiscal Year: 93/94
Contract Date: 8/8/1994
Grant Amount: \$98,645.00
Matching Amount: \$17,650.00
Status: Closed
Project completed 2/8/1999. Weyerhaeuser pilot scale activity initiated.
Nature of Project: To research and confirm the technical, economic, and environmental impacts when mixed waste paper is used to control shrinkage cracks in concrete flatwork.

County: Ingham
Category: Market Development Research and Demonstration
Project Code: MDRD-3-33-20066
Project Name: Michigan State University
Fiscal Year: 91/92
Contract Date: 3/26/1992
Grant Amount: \$112,200.00
Matching Amount: \$19,800.00
Status: Closed
Project completed 2/28/1997. A large-scale manufacturing facility (Re-Con Building Products, Incorporated) using this technology was established in British Columbia.
Nature of Project: To develop/increase the use of recycled glossy magazine paper as reinforcing fibers in thin-sheet cement products.

County: Ingham
Category: Recycling-Collection/Processing
Project Code: RP-3-33-10133
Project Name: Michigan State University
Fiscal Year: 90/91
Contract Date: 2/29/1991; amended 4/20/1992 to extend the project completion date to 6/30/1992; amended 9/1/1992 to extend the project completion date to 9/30/1992; and amended 3/17/1994 to extend the project completion date to 7/31/1993.
Grant Amount: \$123,200.00
Matching Amount: \$41,070.00
Status: Active
Nature of Project: Purchase equipment to initiate the recovery of office paper for recycling.

County: Ingham
Category: Recycling-Collection/Processing
Project Code: RP-3-33-10094
Project Name: City of East Lansing
Fiscal Year: 90/91
Contract Date: 10/10/1990; amended 12/12/1991 to extend the project completion date to 10/31/1991.
Grant Amount: \$143,200.00
Matching Amount: \$47,740.00
Status: Active
Nature of Project: Purchase equipment to expand the recovery of corrugated cardboard, newspapers, glass, tin, and milk jugs for recycling.

County: Ingham
Category: Recycling-Collection/Processing
Project Code: RP-3-33-00197
Project Name: Ingham County
Fiscal Year: 89/90
Contract Date: 11/19/1990
Grant Amount: \$82,383.00
Matching Amount: \$28,128.00
Status: Active
Nature of Project: Purchase equipment to expand the recovery of corrugated cardboard, newspapers, glass, tin, aluminum, and milk jugs for recycling.

County: Ingham

Category: Waste Reduction Research and Demonstration

Project Code: WRRD-3-33-20065

Project Name: Michigan State University

Fiscal Year: 91/92

Contract Date: 3/26/1992; amended 5/10/1993 to extend the project completion date to 12/31/1993; amended 1/5/1994 to extend the project completion date to 3/31/1994.

Grant Amount: \$16,497.00

Matching Amount: \$2,908.00

Status: Closed
Project completed 3/31/1997.

Nature of Project: Conduct a study to measure the amount of solid waste that residents and families can reduce, reuse, or recycle before any of this material leaves the residence. The data will be used to encourage individual consumers to make informed decisions when buying products, promote waste reduction to thousands of residents, and emphasize reuse and recycling concepts at the homesite in order to advance the goals of the Policy.

County: Ionia

Category: Household Hazardous Waste Center

Project Code: HHWC-3-34-30088

Project Name: Ionia County

Fiscal Year: 92/93

Contract Date: 10/6/1993; amended 8/26/1996 to extend the project completion date to 11/30/1996.

Grant Amount: \$67,978.00

Matching Amount: \$22,670.00

Status: Active

Nature of Project: Provide eight collections per year to accept household hazardous waste, by appointment, from the residents of Ionia County. The grant was used to purchase safety equipment and a cargo trailer for equipment storage, cover disposal expenses, and provide for educational materials.

County: losco
Category: Landfill/Dump Closure
Project Code: CLS-2-35-63
Project Name: City of Whittemore
Fiscal Year: 90/91
Contract Date: 1/15/1992
Grant Amount: \$263,483.00
Matching Amount: \$29,276.00
Status: Active
Nature of Project: Close unlicensed dump.

County: losco
Category: Recycling-Collection/Processing
Project Code: RP-2-35-00129
Project Name: Brooks, Frederick Sydney
Fiscal Year: 89/90
Contract Date: 5/23/1990; amended 8/1/1996 to revise the diversion goals for years six through ten.
Grant Amount: \$6,713.00
Matching Amount: \$11,988.00
Status: Active
Nature of Project: To construct a structure to expand the recovery of corrugated cardboard for recycling.

County: Iron
Category: Landfill/Dump Closure
Project Code: CLS-1-36-17
Project Name: Crystal Falls Township
Fiscal Year: 89/90
Contract Date: 1/28/1991
Grant Amount: \$280,921.00
Matching Amount: \$31,213.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Iron
Category: Landfill/Dump Closure
Project Code: CLS-1-36-87
Project Name: City of Crystal Falls
Fiscal Year: 90/91
Contract Date: 3/5/1992
Grant Amount: \$288,431.00
Matching Amount: \$32,048.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Iron
Category: Landfill/Dump Closure
Project Code: CLS-1-36-57
Project Name: Hematite Township
Fiscal Year: 89/90
Contract Date: 1/28/1991
Grant Amount: \$135,378.00
Matching Amount: \$15,042.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Iron
Category: Landfill/Dump Closure
Project Code: CLS-1-36-18
Project Name: Iron River Township
Fiscal Year: 90/91
Contract Date: 3/5/1992
Grant Amount: \$189,219.00
Matching Amount: \$21,024.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Iron
Category: Landfill/Dump Closure
Project Code: CLS-1-36-08
Project Name: City of Iron River
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$473,781.00
Matching Amount: \$52,642.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Iron
Category: Recycling-Collection/Processing
Project Code: RP-1-36-10011
Project Name: Ironland Disposal Service
Fiscal Year: 90/91
Contract Date: 8/28/1990
Grant Amount: \$78,000.00
Matching Amount: \$26,000.00
Status: Active
Nature of Project: Purchase of two structures and equipment to initiate the recovery of corrugated cardboard, newspapers, glass, and plastic for recycling.

County: Iron

Category: Transfer Station Construction

Project Code: TSC-1-36-10012

Project Name: Ironland Disposal Service

Fiscal Year: 90/91

Contract Date: 8/17/1990; amended 3/14/1991 to expand the completion date to 12/12/1990.

Grant Amount: \$200,000.00

Matching Amount: \$66,667.00

Status: Active

Nature of Project: Construction of a solid waste transfer station to serve the residents of Iron County.

County: Isabella
Category: Landfill/Dump Closure
Project Code: CLS-2-37-33
Project Name: Wise Township
Fiscal Year: 89/90
Contract Date: 11/9/1990
Grant Amount: \$427,729.00
Matching Amount: \$47,476.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Isabella
Category: Clean Michigan Community
Project Code: CMC-2-37-00195
Project Name: Isabella County
Fiscal Year: 89/90
Contract Date: 6/3/1991
Grant Amount: \$1,693,926.00
Matching Amount: \$0.00
Status: Active
Nature of Project: Plan and implement an integrated community-wide recycling-collection/processing, composting, and resource recovery education demonstration program as a model for communities across the state.

County: Isabella
Category: Market Development
Project Code: MD-2-37-30026
Project Name: Olson Firestone Service
Fiscal Year: 92/93
Contract Date: 8/5/1993
Grant Amount: \$168,500.00
Matching Amount: \$56,180.00
Status: Active
Nature of Project: Purchase of additional size molds that will enable Olson Firestone Service to retread four additional rear tractor tire sizes.

County: Isabella
Category: Market Development
Project Code: MD-2-37-00009
Project Name: Olson Firestone Service
Fiscal Year: 89/90
Contract Date: 6/4/1990; amended 7/26/1991 to extend the project completion date to 6/31/1992.
Grant Amount: \$168,300.00
Matching Amount: \$56,100.00
Status: Active
Nature of Project: Purchase of equipment to retread farm tractor tires utilizing scrap tires.

County: Isabella

Category: Market Development

Project Code: MD-2-37-00010

Project Name: Olson Firestone Service

Fiscal Year: 89/90

Contract Date: 6/4/1990; amended 7/26/1991 to extend the completion date to 6/31/1992; and amended 3/16/1993 to extend the completion date to 5/31/1993.

Grant Amount: \$37,331.00 (\$82,331.00 original grant amount minus the \$45,000.00 repayment).

Matching Amount: \$32,448.00

Status: Closed
Terminated 3/1/1994. Olson Firestone Service repaid the Environmental Protection Bond Fund \$45,000.00.

Nature of Project: Purchase of equipment to retread passenger and light truck tires utilizing scrap tires.

County: Kalamazoo
Category: Household Hazardous Waste Center
Project Code: HHWC-3-39-40005
Project Name: Kalamazoo County
Fiscal Year: 93/94
Contract Date: 7/27/1994
Grant Amount: \$100,000.00
Matching Amount: \$33,334.00
Status: Active
Nature of Project: To construct a permanent household hazardous waste collection center in Kalamazoo County for safe, effective collection, reuse, and proper disposal of hazardous household chemicals.

County: Kalamazoo
Category: Market Development
Project Code: MD-3-39-10118
Project Name: Graphic Packaging Corporation (James River Paper Co.)
Fiscal Year: 90/91
Contract Date: 3/14/1991; amended 5/7/1993 to reflect the establishment of an Irrevocable Letter of Credit as a security interest; amended 2/20/1998 to reflect a corporate name change for the Grantee from James River Paper Company, Incorporated to Fort James Operating Corporation; amended 8/12/1999 to revise the type and amount of recycled paper diverted; and amended 6/19/2000 to reflect the Grantee change from Fort James Operating Corporation to Graphic Packaging Corporation.
Grant Amount: \$5,000,000.00
Matching Amount: \$1,666,700.00
Status: Active
Nature of Project: Purchase of equipment to manufacture paperboard products utilizing corrugated cardboard and newspapers from Michigan sources.

County: Kalamazoo

Category: Market Development

Project Code: MD-3-39-40004

Project Name: Georgia-Pacific Corporation

Fiscal Year: 93/94

Contract Date: 9/15/1994; amended 5/7/1996 to extend the project completion date to 4/30/1996 and establish an Irrevocable Letter of Credit as a security interest; and amended 6/5/2000 to alter the type and amounts of recycled paper to be diverted and to extend the term of the Contract from ten to fifteen years.

Grant Amount: \$5,000,000.00

Matching Amount: \$1,666,700.00

Status: Active

Nature of Project: Purchase of equipment to manufacture printing papers utilizing post-consumer newspapers and other post-consumer grades of wastepaper from Michigan sources.

County: Kalkaska

Category: Composting

Project Code: CP-2-40-90014

Project Name: Clearbrook Companies (Northern A-1 Services, Inc.)

Fiscal Year: 88/89

Contract Date: 5/1/1990; amended 3/14/1991 to extend the project completion date to 3/10/1991; and amended 6/21/1999 to change the Grantee from Northern A-1 Services, Inc., to Clearbrook Companies.

Grant Amount: \$37,199.00

Matching Amount: \$12,399.00

Status: Active

Nature of Project: Purchase of a Wildcat windrow machine and to start a yard waste composting program serving Kalkaska and adjacent areas.

County: Kalkaska

Category: Market Development

Project Code: MD-2-40-20106

Project Name: Northern A-1 Services, Inc.

Fiscal Year: 91/92

Contract Date: 2/27/1992; amended 10/29/1996 to change the Market Development project to a recycling project to collect and recycle old newspapers, old corrugated cardboard, glass, metal, and plastics from Michigan sources; and amended 6/1/1999 to alter the scope of the project to operating and maintaining a recycling project and processing 936 tons per year of old newspapers, old corrugated cardboard, glass, metal and plastics from Michigan sources.

Grant Amount: \$50,799.00

Matching Amount: \$16,900.00

Status: Active

Nature of Project: The original project was to create a market for old newspapers in Northern Michigan by constructing a processing facility to store, sort, and process old newspapers into animal bedding and marketing this bedding to dairy farmers and ranchers in the Northern Lower Michigan Area.

County: Kent
Category: Resource Recovery Education
Project Code: ED-3-41-40040
Project Name: Kent County
Fiscal Year: 93/94
Contract Date: 3/15/1994
Grant Amount: \$12,400.00
Matching Amount: \$4,133.00
Status: Closed
Project completed 1/27/1997.
Nature of Project: Promote newly approved countywide residential recycling plan to local citizens.

County: Kent
Category: Household Hazardous Waste Center
Project Code: HHWC-3-41-10129
Project Name: Kent County
Fiscal Year: 90/91
Contract Date: 10/10/1990
Grant Amount: \$53,600.00
Matching Amount: \$17,865.00
Status: Active
Nature of Project: Expansion of an existing permanent household hazardous waste collection program to increase diversion and proper disposal of household hazardous waste from residents in the northern sections of Kent County.

County: Kent
Category: Household Hazardous Waste Center
Project Code: HHWC-3-41-10128
Project Name: Kent County
Fiscal Year: 90/91
Contract Date: 10/10/1990
Grant Amount: \$53,400.00
Matching Amount: \$17,800.00
Status: Active
Nature of Project: Expansion of an existing permanent household hazardous waste collection program to increase diversion and proper disposal of household hazardous waste from residents in the northern sections of Kent County.

County: Kent
Category: Market Development Research and Demonstration
Project Code: MDRD-3-41-10017
Project Name: Wetland Foundation West Michigan
Fiscal Year: 90/91
Contract Date: 10/1/1990; amended 2/7/1992 to extend the completion date to 5/31/1992; and amended 8/21/1992 to extend the completion date to 10/31/1992.
Grant Amount: \$11,200.00
Matching Amount: \$1,976.00
Status: Closed
Project completed 11/13/1995.
Nature of Project: A demonstration project to use plastic lumber in habitat development activities.

County: Kent
Category: Recycling-Collection/Processing
Project Code: RP-3-41-30066
Project Name: Alloy Exchange, Inc.
Fiscal Year: 90/91
Contract Date: 3/20/1992; amended 9/1/1993 to extend the project completion date to 9/30/1994; and amended 10/13/1994 to extend the project completion date to 12/31/1994.
Grant Amount: \$500,000.00
Matching Amount: \$166,667.00
Status: Active
Nature of Project: To expand an existing operation recycling plateable ABS plastic (a mixture of acrylonitrile, butadiene, and styrene) by using cuttings and/or seconds from manufacturers using ABS.

County: Kent
Category: Recycling-Collection/Processing
Project Code: RP-3-41-10065
Project Name: Kamps Pallets, Inc.
Fiscal Year: 90/91
Contract Date: 9/28/1990
Grant Amount: \$123,700.00
Matching Amount: \$41,240.00
Status: Closed
Project completed 1/30/2001.
Nature of Project: Purchase of equipment to expand the recovery of wooden pallets for recycling and reuse.

County: Kent
Category: Transfer Station Construction
Project Code: TSC-3-41-00160
Project Name: Kent County
Fiscal Year: 89/90
Contract Date: 5/23/1990
Grant Amount: \$200,000.00
Matching Amount: \$66,800.00
Status: Active
Nature of Project: Construction of a solid waste transfer station to serve the residents of the rural area north of Grand Rapids.

County: Kent
Category: Waste Reduction Research and Demonstration
Project Code: WRRD-3-41-00173
Project Name: W W Engineering & Science (Earth Tech)
Fiscal Year: 89/90
Contract Date: 6/30/1990; amended 8/6/1991 to extend the completion date to 10/31/1991; and amended 12/3/1991 to extend the completion date to 10/31/1992.
Grant Amount: \$90,058.00
Matching Amount: \$15,893.00
Status: Closed
Project completed 2/28/1996. Five case studies were conducted. The DEQ's Environmental Assistance Division printed one study.
Nature of Project: To survey industrial waste streams to identify those having the greatest potential for waste reduction and to develop methods to enable businesses to reduce the most predominant wastes.

County: Keweenaw
Category: Landfill/Dump Closure
Project Code: CLS-1-42-09
Project Name: Allouez Township
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$197,598.00
Matching Amount: \$21,955.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Keweenaw
Category: Landfill/Dump Closure
Project Code: CLS-1-42-45
Project Name: Grant Township (Copper Harbor)
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$229,949.00
Matching Amount: \$25,550.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Keweenaw
Category: Landfill/Dump Closure
Project Code: CLS-1-42-46
Project Name: Grant Township (Lac Labelle)
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$93,501.00
Matching Amount: \$10,389.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Leelanau
Category: Resource Recovery Education
Project Code: ED-2-45-20114
Project Name: Leelanau County Planning Department
Fiscal Year: 91/92
Contract Date: 3/2/1992
Grant Amount: \$10,619.00
Matching Amount: \$3,540.00
Status: Closed
Project completed 3/19/1998.
Nature of Project: To promote residential resource recovery in Leelanau County.

County: Lenawee
Category: Household Hazardous Waste Center
Project Code: HHWC-3-46-50005
Project Name: Lenawee County
Fiscal Year: 94/95
Contract Date: 6/20/1995; amended 4/20/1998 to extend the project completion date to 6/30/1998.
Grant Amount: \$95,500.00
Matching Amount: \$31,840.00
Status: Active
Nature of Project: To construct a permanent household hazardous waste center for the collection of household hazardous waste for Lenawee County residents.

County: Lenawee
Category: Market Development
Project Code: MD-3-46-60009
Project Name: Ludlow Building Products, Inc. (Simplex Products Division of Anthony Industries, Inc.)
Fiscal Year: 95/96
Contract Date: 12/26/1995; amended 8/7/2000 to change the Grantee from Simplex Products Division of Anthony Industries, Inc., to Ludlow Building Products, Inc., as the result of the sale of the Division to Ludlow Building Products, Inc.
Grant Amount: \$2,873,221.00
Matching Amount: \$957,740.00
Status: Active
Nature of Project: Purchase of a wastepaper processing facility to convert previously unused low-grade high wet strength old corrugated containers, wet strength stocks, post-industrial board, and office mixed wastepaper to a pulp suitable for use in Simplex's (now Ludlow's) recycled board manufacturing process.

County: Livingston
Category: Landfill/Dump Closure
Project Code: CLS-2-35-63
Project Name: Livingston County
Fiscal Year: 89/90
Contract Date: 9/21/1990
Grant Amount: \$518,449.00
Matching Amount: \$57,605.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Livingston
Category: Recycling-Collection/Processing
Project Code: RP-3-47-00219
Project Name: Contractor Container Corporation
Fiscal Year: 89/90
Contract Date: 5/23/1990
Loan Amount: \$790,272.00
Matching Amount: \$87,808.00
Status: Active
Final loan payment was made 2/5/2001.
Nature of Project: Loan to purchase a structure to initiate the recovery of residential, commercial, construction, and industrial waste from Livingston and Washtenaw Counties for recycling.

County: Livingston
Category: Recycling-Collection/Processing
Project Code: RP-3-47-10044
Project Name: Recycle Livingston
Fiscal Year: 90/91
Contract Date: 9/28/1990
Grant Amount: \$14,200.00
Matching Amount: \$4,733.00
Status: Active
Nature of Project: Purchase a vehicle to expand the recovery of office paper, glass, aluminum, and tin for recycling.

County: Luce
Category: Landfill/Dump Closure
Project Code: CLS-1-48-31
Project Name: Village of Newberry
Fiscal Year: 89/90
Contract Date: 2/8/1991
Grant Amount: \$460,189.00
Matching Amount: \$51,132.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Luce
Category: Transfer Station Construction
Project Code: TSC-1-48-20029
Project Name: Waste Management, Inc. (Peninsula Sanitation, Inc.)
Fiscal Year: 91/92
Contract Date: 5/6/1991; amended 6/9/1992 to extend the project completion date to 9/30/1992.
Grant Amount: \$200,000.00
Matching Amount: \$66,670.00
Status: Active
Nature of Project: To construct and operate a compaction transfer station to serve the residents of Luce County.

County: Mackinac
Category: Landfill/Dump Closure
Project Code: CLS-1-49-55
Project Name: Clark Township
Fiscal Year: 90/91
Contract Date: 3/5/1992
Grant Amount: \$240,942.00
Matching Amount: \$26,771.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Mackinac
Category: Landfill/Dump Closure
Project Code: CLS-1-49-90120
Project Name: City of Mackinac Island
Fiscal Year: 88/89
Contract Date: 4/23/1991
Grant Amount: \$600,000.00
Matching Amount: \$66,667.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Mackinac
Category: Landfill/Dump Closure
Project Code: CLS-1-49-13
Project Name: Moran Township (Brevort Area)
Fiscal Year: 89/90
Contract Date: 1/8/1991
Grant Amount: \$151,080.00
Matching Amount: \$16,787.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Mackinac
Category: Landfill/Dump Closure
Project Code: CLS-1-49-49
Project Name: Bois Blanc Township
Fiscal Year: 89/90
Contract Date: 1/28/1991
Grant Amount: \$139,274.00
Matching Amount: \$15,475.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Mackinac
Category: Composting
Project Code: CP-1-49-00218
Project Name: City of Mackinac Island
Fiscal Year: 89/90
Contract Date: 4/23/1991; amended 4/5/1995 to extend the project completion date to 12/31/1993; and to include DNR Consent Order dated 7/7/1988 and Amendments to the Consent Order #641-02-245-03-90A, #641-02-245-03-90B, and #641-02-245-03-94C.
Grant Amount: \$86,000.00
Matching Amount: \$28,600.00
Status: Active
Nature of Project: Purchase of equipment to initiate the recovery of yard waste, food waste, and manure for composting.

County: Mackinac
Category: Recycling-Collection/Processing
Project Code: RP-1-49-00223
Project Name: City of Mackinac Island
Fiscal Year: 89/90
Contract Date: 4/23/1991; amended 4/5/1995 to extend the project completion date to 12/31/1993; and to include Department of Natural Resources Consent Order dated 7/7/1988 and Amendments to the Consent Order #641-02-245-03-90A, #641-02-245-03-90B, and #641-02-245-03-94C.
Grant Amount: \$386,000.00
Matching Amount: \$129,000.00
Status: Active
Nature of Project: Purchase and construction of a structure to expand the recovery of glass, newspapers, office paper, corrugated cardboard, and plastics for recycling.

County: Macomb
Category: Composting
Project Code: CP-3-50-00059
Project Name: Indian Summer Recycling, Incorporated (Grosse Pointes-Clinton Refuse Disposal Authority)
Fiscal Year: 89/90
Contract Date: 5/23/1990; amended 10/5/1994 to change the Grantee from the Grosse Pointes-Clinton Refuse Disposal Authority to the Indian Summer Recycling, Incorporated.
Grant Amount: \$39,329.00
Matching Amount: \$13,109.00
Status: Active
Nature of Project: Purchase of equipment to initiate the recovery of yard waste for composting.

County: Macomb
Category: Resource Recovery Education
Project Code: ED-3-50-50018
Project Name: City of Mt. Clemens
Fiscal Year: 94/95
Contract Date: 6/30/1995; amended 5/7/1996 to extend the project completion date to 5/31/1996.
Grant Amount: \$7,433.00
Matching Amount: \$2,477.00
Status: Closed
Project completed 4/10/2000.
Nature of Project: To expand a yard waste reduction education program focused on grass mulching and backyard composting.

County: Macomb
Category: Resource Recovery Education
Project Code: ED-3-50-00120
Project Name: Cities of Roseville and East Detroit
Fiscal Year: 89/90
Contract Date: 12/28/1990; amended 7/11/1991 to extend the completion date to 10/31/1991.
Grant Amount: \$12,887.00
Matching Amount: \$4,296.00
Status: Closed
Project completed 2/23/1999.
Nature of Project: To provide resource recovery education to local citizens and promote the use of the recycling, composting, and market development programs in the Cities of Roseville and East Detroit.

County: Macomb
Category: Resource Recovery Education
Project Code: ED-3-50-00084
Project Name: Clinton Township/City of Mt. Clemens
Fiscal Year: 89/90
Contract Date: 8/10/1990; amended 7/11/1991 to extend the completion date to 10/31/1991; and amended 12/3/1991 to extend the completion date to 2/29/1992.
Grant Amount: \$5,636.00
Matching Amount: \$1,878.00
Status: Closed
Project completed 2/28/1996.
Nature of Project: To expand a yard waste reduction education program focused on grass mulching and backyard composting.

County: Macomb
Category: Resource Recovery Education
Project Code: ED-3-50-50032
Project Name: City of St. Clair Shores
Fiscal Year: 94/95
Contract Date: 5/2/1995; amended 12/26/1995 to extend the project completion date to 4/30/1996.
Grant Amount: \$22,400.00
Matching Amount: \$7,470.00
Status: Closed
Project completed 3/29/2000.
Nature of Project: To expand the City of St. Clair Shores' education efforts and increase the recovery of recyclable materials.

County: Macomb
Category: Recycling-Collection/Processing
Project Code: RP-3-50-00116
Project Name: City of Centerline
Fiscal Year: 89/90
Contract Date: 10/10/1990
Grant Amount: \$9,473.00
Matching Amount: \$3,158.00
Status: Active
Nature of Project: To purchase equipment to initiate the recovery of tin, aluminum, glass, newspapers, plastic, corrugated cardboard, and office paper for recycling.

County: Macomb
Category: Recycling-Collection/Processing
Project Code: RP-3-50-00083
Project Name: Clinton Township
Fiscal Year: 89/90
Contract Date: 10/10/1990
Grant Amount: \$98,810.00
Matching Amount: \$32,936.00
Status: Active
Nature of Project: To purchase equipment to initiate the recovery of newspapers, office paper, and batteries for recycling.

County: Macomb
Category: Recycling-Collection/Processing
Project Code: RP-3-50-00117
Project Name: City of Roseville
Fiscal Year: 89/90
Contract Date: 10/10/1990; amended 7/11/1991 to extend the project completion date to 10/31/1991; and amended 7/29/1991 to extend the project completion date to 12/31/1991.
Grant Amount: \$3,883.00
Matching Amount: \$1,294.00
Status: Active
Nature of Project: To purchase equipment to initiate the recovery of newspapers for recycling.

County: Manistee
Category: Composting
Project Code: CP-2-51-90107
Project Name: City of Manistee
Fiscal Year: 88/89
Contract Date: 10/23/1989
Grant Amount: \$28,432.00
Matching Amount: \$9,478
Status: Closed
 Project completed 2/13/2001.

Nature of Project: To purchase a leaf loader/collector and brush chipper to start a municipal yard waste composting program.

County: Manistee
Category: Market Development
Project Code: MD-2-51-20064
Project Name: Packaging Corporation of America
Fiscal Year: 91/92
Contract Date: 6/1/1993; amended 11/14/1994 to extend the project completion date to 3/30/1995 and establish an Irrevocable Letter of Credit; amended 6/14/1995 to extend the project completion date to 3/31/1996; amended 1/10/1996 to extend the project completion date to 12/31/1995 and to change the Grantee from Packaging Corporation of America to Tenneco Packaging, Inc. Tenneco Packaging, Inc., sold the Filer City Mill to Packaging Corporation of America on 4/12/1999.

Grant Amount: \$4,770,789.00
Matching Amount: \$1,590,263.00
Status: Active
Nature of Project: To purchase processing equipment that will expand Packaging Corporation of America's ability to clean old corrugated containers for use in its paper mill. The plant will use Michigan sourced old corrugated containers.

County: Marquette
Category: Landfill/Dump Closure
Project Code: CLS-1-52-67
Project Name: Powell Township
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$183,872.00
Matching Amount: \$20,430.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Marquette
Category: Landfill/Dump Closure
Project Code: CLS-2-52-47
Project Name: Ewing Township
Fiscal Year: 90/91
Contract Date: 3/5/1992
Grant Amount: \$89,457.00
Matching Amount: \$9,939.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Marquette
Category: Landfill/Dump Closure
Project Code: CLS-1-52-90122
Project Name: Skandia Township
Fiscal Year: 88/89
Contract Date: 7/23/1990
Grant Amount: \$274,813.00
Matching Amount: \$30,535.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Marquette
Category: Landfill/Dump Closure
Project Code: CLS-1-52-21
Project Name: Township and City of Negaunee/City of Ishpeming
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$600,000.00
Matching Amount: \$66,667.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Marquette
Category: Landfill/Dump Closure
Project Code: CLS-2-52-56
Project Name: Wells Township
Fiscal Year: 90/91
Contract Date: 3/5/1992
Grant Amount: \$89,232.00
Matching Amount: \$9,915.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Marquette
Category: Composting
Project Code: CP-1-52-20040
Project Name: City of Negaunee
Fiscal Year: 91/92
Contract Date: 8/21/1992
Grant Amount: \$12,100.00
Matching Amount: \$4,033.00
Status: Active
Nature of Project: To purchase a chipper/shredder to assist in the start up of a city-run composting program.

County: Marquette
Category: Resource Recovery Education
Project Code: ED-1-52-00066
Project Name: Northern Michigan University, Seaborg Center
Fiscal Year: 89/90
Contract Date: 8/10/1990; amended 7/11/1991 to extend the completion date to 10/31/1991.
Grant Amount: \$21,701.00
Matching Amount: \$7,234.00
Status: Closed
Project completed 5/30/1995.
Nature of Project: To establish the use of the Michigan Waste Information Series for Education (WISE) curriculum in Upper Peninsula schools through a series of school assemblies and teacher workshops that focus on the WISE curriculum, in school source separation, and local recycling and composting programs.

County: Marquette
Category: Resource Recovery Education
Project Code: ED-1-52-10061
Project Name: Marquette County Solid Waste Management Authority
Fiscal Year: 90/91
Contract Date: 10/10/1990; amended 11/15/1991 to extend the completion date to 10/31/1991.
Grant Amount: \$22,000.00
Matching Amount: \$7,334.00
Status: Closed
Project completed 2/13/1995.
Nature of Project: To provide resource recovery education to local citizens and promote the use of the recycling program in Marquette County.

County: Marquette
Category: Household Hazardous Waste Center
Project Code: HHWC-1-52-20101
Project Name: Marquette County Solid Waste Management Authority
Fiscal Year: 91/92
Contract Date: 3/11/1992
Grant Amount: \$100,000.00
Matching Amount: \$33,330.00
Status: Active
Nature of Project: To expand the household hazardous waste collection program in Marquette County from two sites to four sites and to expand by one third the collection and storage capacity of the site in the City of Marquette.

County: Marquette
Category: Marketing Project
Project Code: MP-1-52-20007
Project Name: Michigan Diversified Industries
Fiscal Year: 91/92
Contract Date: 2/27/1992
Grant Amount: \$29,124.00
Matching Amount: \$29,124.00
Status: Closed
Terminated 5/10/1995.
Nature of Project: To implement a marketing strategy for cellulose insulation. Michigan Diversified Industries (MDI) proposed to develop a company and product identity through the use of logos and brochures. MDI ceased production at the end of 1993 because it was not economically feasible to continue and the project was discontinued.

County: Marquette
Category: Recycling-Collection/Processing
Project Code: RP-1-52-50020
Project Name: City of Ishpeming
Fiscal Year: 94/95
Contract Date: 4/12/1995; amended 2/13/1996 to extend the completion date to 7/31/1996.
Grant Amount: \$56,200.00
Matching Amount: \$18,735.00
Status: Active
Nature of Project: To operate a recycling program with a drop off center for commercial customers and a curbside pickup program in residential areas within the City of Ishpeming.

County: Marquette
Category: Transfer Station Construction
Project Code: TSC-1-52-00240
Project Name: Skandia Township
Fiscal Year: 89/90
Contract Date: 6/4/1990
Grant Amount: \$111,212.00
Matching Amount: \$37,071.00
Status: Active
Nature of Project: Construction of a transfer station to be utilized by Skandia and West Branch Townships.

County: Marquette
Category: Transfer Station Construction
Project Code: TSC-1-52-20028
Project Name: Waste Management, Inc. (Peninsula Sanitation, Inc.)
Fiscal Year: 91/92
Contract Date: 5/6/1991; amended 6/9/1992 to allow project completion through 9/30/1992; and amended 12/3/1993 to allow project completion through 9/30/1993.
Grant Amount: \$129,500.00
Matching Amount: \$43,160.00
Status: Active
Nature of Project: Construction of a compaction transfer station to serve the residents of Powell Township. Grantee changed to Waste Management, Inc., in 1999.

County: Marquette
Category: Transfer Station Construction
Project Code: TSC-1-52-10013
Project Name: Wells Township
Fiscal Year: 90/91
Contract Date: 3/14/1991
Grant Amount: \$1,243.00
Matching Amount: \$414.00
Status: Closed
Project terminated 12/7/1995 because the transfer station was underutilized. The Environmental Protection Bond Fund was reimbursed \$2,312.00 in accordance with the terms of the termination agreement with Wells Township.
Nature of Project: Construction of a compaction transfer station to serve the residents of Wells Township.

County: Mason
Category: Landfill/Dump Closure
Project Code: CLS-3-53-12
Project Name: Mason County (Pere Marquette Landfill)
Fiscal Year: 89/90
Contract Date: 9/21/1990
Grant Amount: \$600,000.00
Matching Amount: \$66,667.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Menominee
Category: Landfill/Dump Closure
Project Code: CLS-1-55-40
Project Name: Cedarville Township
Fiscal Year: 89/90
Contract Date: 1/28/1991
Grant Amount: \$67,957.00
Matching Amount: \$7,551.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Menominee
Category: Landfill/Dump Closure
Project Code: CLS-1-55-51
Project Name: Village of Daggett
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$171,522.00
Matching Amount: \$19,058.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Menominee
Category: Landfill/Dump Closure
Project Code: CLS-1-55-34
Project Name: Faithorn Township
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$61,927.00
Matching Amount: \$6,881.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Menominee
Category: Landfill/Dump Closure
Project Code: CLS-1-55-54
Project Name: Harris Township
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$143,774.00
Matching Amount: \$15,975.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Menominee
Category: Landfill/Dump Closure
Project Code: CLS-1-55-39
Project Name: Holmes Township
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$64,570.00
Matching Amount: \$7,175.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Menominee
Category: Landfill/Dump Closure
Project Code: CLS-1-55-50
Project Name: Mellen Township
Fiscal Year: 90/91
Contract Date: 3/5/1992
Grant Amount: \$206,163.00
Matching Amount: \$22,907.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Menominee
Category: Landfill/Dump Closure
Project Code: CLS-1-55-28
Project Name: Meyer Township
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$161,853.00
Matching Amount: \$17,984.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Menominee
Category: Landfill/Dump Closure
Project Code: CLS-1-55-44
Project Name: Nadeau Township
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$165,375.00
Matching Amount: \$18,375.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Menominee
Category: Landfill/Dump Closure
Project Code: CLS-1-55-90124
Project Name: Spaulding Township
Fiscal Year: 88/89
Contract Date: 7/23/1990
Grant Amount: \$119,787.00
Matching Amount: \$13,309.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Menominee
Category: Landfill/Dump Closure
Project Code: CLS-1-55-38
Project Name: City of Stephenson
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$154,662.00
Matching Amount: \$17,185.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Menominee
Category: Resource Recovery Education
Project Code: ED-1-55-10031
Project Name: River Cities Recycling Committee
Fiscal Year: 90/91
Contract Date: 11/30/1990
Grant Amount: \$18,682.00
Matching Amount: \$6,227.00
Status: Closed
Project completed 11/30/1993.
Nature of Project: To provide resource recovery education to local citizens and promote the use of resource recovery alternatives in Menominee County.

County: Menominee
Category: Recycling-Collection/Processing
Project Code: RP-1-55-00011
Project Name: City of Menominee
Fiscal Year: 89/90
Contract Date: 5/23/1990
Grant Amount: \$17,778.00
Matching Amount: \$5,926.00
Status: Active
Nature of Project: To construct a structure to expand the recovery of glass, newspapers, office paper, corrugated cardboard, and plastics for recycling.

County: Menominee

Category: Recycling-Collection/Processing

Project Code: RP-1-55-10019

Project Name: Northern Refuse, Inc. (Menominee County Soil/Water Conservation District)

Fiscal Year: 90/91

Contract Date: 8/28/1990; amended 5/12/1994 to change the Grantee from Menominee County Soil/Water Conservation District to Northern Refuse, Inc.

Grant Amount: \$2,999.00

Matching Amount: \$1,000.00

Status: Active

Nature of Project: To purchase a structure and equipment to initiate the recovery of used oil for recycling.

County: Midland
Category: Resource Recovery Education
Project Code: ED-2-56-10029
Project Name: Midland Volunteers for Recycling
Fiscal Year: 90/91
Contract Date: 10/10/1990
Grant Amount: \$15,409.00
Matching Amount: \$5,136.00
Status: Closed
Nature of Project: Provide resource recycling education to local residents and promote the use of the resource recovery facility in Midland.

County: Monroe

Category: Market Development

Project Code: MD-3-58-10142

Project Name: Clean Tech, Inc.

Fiscal Year: 90/91

Contract Date: 10/30/1990; amended 8/9/1991 to extend the project completion date to 4/30/1992; amended 3/26/1992 to extend the project completion date to 12/31/1992; amended 3/19/1993 to extend the project completion date to 3/31/1993; amended 5/20/1993 to extend the project completion date to 5/31/1993; amended 7/22/1993 to extend the project completion date to 7/31/1993; and amended 1/5/1994 to extend the project completion date to 1/31/1994.

Grant Amount: \$891,357.00

Matching Amount: \$297,119.00

Status: Active

Nature of Project: Purchase of washing and pelletizing equipment to process HDPE plastic scrap for use in the manufacturing of plastic bottles.

County: Montcalm
Category: Composting
Project Code: CP-3-59-00006
Project Name: Village of Edmore
Fiscal Year: 89/90
Contract Date: 7/23/1990
Grant Amount: \$1,228.00
Matching Amount: \$409.00
Status: Active
Nature of Project: Purchase of equipment to initiate the recovery of yard waste for composting.

County: Muskegon
Category: Resource Recovery Education
Project Code: ED-3-61-11001
Project Name: City of Muskegon
Fiscal Year: 90/91
Contract Date: 3/14/1991
Grant Amount: \$9,256.00
Matching Amount: \$3,085.00
Status: Closed
Project completed 5/29/1995.
Nature of Project: Provide resource recycling education to local residents and promote the recycling of plastics in Muskegon.

County: Muskegon
Category: Market Development Research and Demonstration
Project Code: MDRD-3-61-11004
Project Name: K L Industries
Fiscal Year: 90/91
Contract Date: 11/30/1990
Grant Amount: \$77,743.00
Matching Amount: \$25,914.00
Status: Closed
Project completed 5/1/1995.
Nature of Project: Research and development of equipment and techniques to thermoform large sheets of HDPE plastic with a post-consumer resin.

County: Muskegon

Category: Recycling-Collection/Processing

Project Code: RP-3-61-10132

Project Name: Community Recycling Services, Inc. (White Lake Lanco)

Fiscal Year: 90/91

Contract Date: 10/30/1990; amended 10/8/1992 to extend the project completion date to 7/31/1992.

Grant Amount: \$398,978.00

Matching Amount: \$132,993.00

Status: Active

Nature of Project: Provide resource recycling education to local residents and promote the recycling of plastics in Muskegon.

County: Newaygo
Category: Resource Recovery Education
Project Code: ED-3-62-10010
Project Name: Newaygo County Board of Public Works
Fiscal Year: 90/91
Contract Date: 9/28/1990
Grant Amount: \$12,619.00
Matching Amount: \$4,207.00
Status: Closed
Project completed 2/1/1995.
Nature of Project: Provide resource recovery education to local residents and promote the use of resource recovery programs in Newaygo County.

County: Newaygo
Category: Composting
Project Code: CP-3-62-00017
Project Name: City of Fremont
Fiscal Year: 89/90
Contract Date: 5/23/1990
Grant Amount: \$15,337.00
Matching Amount: \$5,113.00
Status: Active
Nature of Project: Purchase of equipment to initiate the recovery of yard waste for composting.

County: Oakland
Category: Market Development
Project Code: MD-3-63-50039
Project Name: Cadillac Products, Inc.
Fiscal Year: 94/95
Contract Date: 4/12/1995; amended 6/30/1997 to extend the project completion date to 8/31/1997; amended 5/14/2001 to measure annual diversion goals in cubic yards instead of tons and to allow any combination of HDPE and LDPE to be utilized.
Grant Amount: \$3,951,132.00
Matching Amount: \$1,319,200.00
Status: Active
Nature of Project: Purchase of equipment to recover, process, and use post-consumer and post industrial HDPE and LDPE plastics in place of virgin resins in existing production lines including plastic pallets, truck bedliners, dumpster lids, and various film and film products.

County: Oakland
Category: Clean Michigan Community
Project Code: CMC-3-63-00046
Project Name: Southeastern Oakland County Resource Recovery Authority
Fiscal Year: 89/90
Contract Date: 7/8/1991
Grant Amount: \$2,769,025.00
Matching Amount: \$0.00
Status: Active
Nature of Project: Plan and implement an integrated community-wide recycling-collection/processing, composting, and resource recovery education demonstration program that will be a model for communities across the state.

County: Oakland
Category: Composting
Project Code: CP-3-63-90088
Project Name: City of Madison Heights
Fiscal Year: 88/89
Contract Date: 2/13/1990
Grant Amount: \$50,760.00
Matching Amount: \$16,920.00
Status: Active
Nature of Project: To purchase 9,500 26-gallon plastic curbside containers to start a city wide grass clipping collection program.

County: Oakland
Category: Resource Recovery Education
Project Code: ED-3-63-10101
Project Name: Independence Township
Fiscal Year: 90/91
Contract Date: 10/23/1990; amended 11/7/1991 to extend the completion date to 10/31/1991.
Grant Amount: \$22,734.00
Matching Amount: \$7,578.00
Status: Closed
Project completed 6/28/1995.
Nature of Project: Provide resource recovery education to local citizens and promote the use of resource recovery programs in Independence and Springfield Townships.

County: Oakland
Category: Resource Recovery Education
Project Code: ED-3-63-30009
Project Name: City of Oak Park
Fiscal Year: 92/93
Contract Date: 9/15/1993
Grant Amount: \$39,521.00
Matching Amount: \$13,444.00
Status: Closed
Project completed 4/13/1998.
Nature of Project: To expand the existing education program for one year and target Oak Park's Russian and Chaldean population to ensure that they have access to recycling information in their own language.

County: Oakland
Category: Resource Recovery Education
Project Code: ED-3-63-50009
Project Name: Resource Recovery & Recycling Authority of SW Oakland County
Fiscal Year: 94/95
Contract Date: 4/12/1995
Grant Amount: \$4,700.00
Matching Amount: \$1,570.00
Status: Closed
Project completed 3/4/1999.
Nature of Project: Promote resource recovery and recycling in Southwestern Oakland County.

County: Oakland
Category: Market Development
Project Code: MD-3-63-00045
Project Name: Southeastern Oakland County Resource Recovery Authority
Fiscal Year: 89/90
Contract Date: 6/15/1990
Grant Amount: \$75,900.00
Matching Amount: \$25,300.00
Status: Active
Nature of Project: Purchase equipment to develop an improved compost product utilizing yard waste.

County: Oakland
Category: Recycling-Collection/Processing
Project Code: RP-3-63-00194
Project Name: Great Lakes Waste Service (Clarkston Disposal Service)
Fiscal Year: 89/90
Contract Date: 5/23/1990
Grant Amount: \$409,326.00
Matching Amount: \$136,442.00
Status: Active
USA Waste Services, Inc., acquired Clarkston Disposal, Inc., through a merger with the parent company, Sanifill, in 1997. Allied Waste Systems of Scottsdale, Arizona then purchased USA Waste Services, Inc.; and currently does business in Michigan as Great Lakes Waste Service.
Nature of Project: To establish weekly collection of recyclable materials from 8,000 households and several business establishments in northern Oakland County and to develop material processing capacity for source separated and commingled recyclables.

County: Oakland

Category: Recycling-Collection/Processing

Project Code: RP-3-63-40047

Project Name: Resource Recovery & Recycling Authority of Southwest Oakland County

Fiscal Year: 93/94

Contract Date: 6/14/1994

Grant Amount: \$500,000.00

Matching Amount: \$166,667.00

Status: Active

Nature of Project: To construct a materials recovery facility (MRF) that would process materials collected by the eight-member communities of the Resource Recovery & Recycling Authority of Southwest Oakland County. The grant was also used to purchase processing equipment for use in the MRF.

County: Oceana
Category: Landfill/Dump Closure
Project Code: CLS-3-64-90121
Project Name: Shelby Township
Fiscal Year: 88/89
Contract Date: 10/23/1990
Grant Amount: \$450,000.00
Matching Amount: \$50,000.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Oceana
Category: Composting
Project Code: CP-3-64-40033
Project Name: City of Hart (Village of Pentwater)
Fiscal Year: 93/94
Contract Date: 2/24/1995; amended 3/21/1996 to extend the project completion date to 3/31/1996; and amended 3/29/2001 to transfer the responsibilities and obligations of the Grantee from the Village of Pentwater to the City of Hart.
Grant Amount: \$96,846.00
Matching Amount: \$32,282.00
Status: Active
Nature of Project: Purchase of composting equipment to be shared by the Village of Pentwater, the City of Hart, and the Village of Shelby, and funding for site improvements at each community's composting site.

County: Ogemaw
Category: Landfill/Dump Closure
Project Code: CLS-1-65-06
Project Name: Cumming Township
Fiscal Year: 90/91
Contract Date: 1/15/1992
Grant Amount: \$290,124.00
Matching Amount: \$32,236.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Ogemaw
Category: Landfill/Dump Closure
Project Code: CLS-2-65-07
Project Name: Richland Township
Fiscal Year: 89/90
Contract Date: 11/9/1990
Grant Amount: \$141,194.00
Matching Amount: \$15,689.00
Status: Active
Nature of Project: Close unlicensed dump

County: Ogemaw
Category: Resource Recovery Education
Project Code: ED-2-65-00109
Project Name: O G Recovery
Fiscal Year: 89/90
Contract Date: 5/23/1990
Grant Amount: \$17,598.00
Matching Amount: \$5,867.00
Status: Closed
Project completed 2/9/1994.
Nature of Project: Provide resource recovery education to local citizens, and promote the use of resource recovery programs in northern Lower Michigan.

County: Ogemaw
Category: Recycling-Collection/Processing
Project Code: RP-2-65-10114
Project Name: Cumming Township
Fiscal Year: 90/91
Contract Date: 10/10/1990; amended 11/7/1991 to extend the project completion date to 10/31/1991.
Grant Amount: \$34,100.00
Matching Amount: \$11,365.00
Status: Active
Nature of Project: Purchase of two structures and equipment to initiate the recovery of corrugated cardboard, newspapers, glass, tin, plastic, and waste oil for recycling.

County: Ogemaw
Category: Transfer Station Construction
Project Code: TSC-2-65-00127
Project Name: Cumming Township
Fiscal Year: 89/90
Contract Date: 8/10/1990; amended 5/8/1991 to extend the project completion date to 8/30/1991; and amended 11/7/1991 to extend the project completion date to 10/31/1991.
Grant Amount: \$115,500.00
Matching Amount: \$38,500.00
Status: Active
Nature of Project: Construction of a transfer station to replace an unlicensed open dump.

County: Ontonagon
Category: Landfill/Dump Closure
Project Code: CLS-1-66-73
Project Name: Greenland Township
Fiscal Year: 90/91
Contract Date: 3/5/1992
Grant Amount: \$125,390.00
Matching Amount: \$13,933.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Ontonagon
Category: Landfill/Dump Closure
Project Code: CLS-1-66-68
Project Name: Interior Township
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$76,404.00
Matching Amount: \$8,489.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Ontonagon
Category: Landfill/Dump Closure
Project Code: CLS-1-66-82
Project Name: Tri-Township Landfill
Fiscal Year: 90/91
Contract Date: 3/5/1992
Grant Amount: \$127,639.00
Matching Amount: \$14,182.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Ontonagon
Category: Landfill/Dump Closure
Project Code: CLS-1-66-52
Project Name: Rockland Township
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$159,300.00
Matching Amount: \$17,700.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Ontonagon

Category: Recycling-Collection/Processing

Project Code: RP-1-66-00044

Project Name: Norman Pestka Construction

Fiscal Year: 89/90

Contract Date: 9/28/1990; amended 7/11/1991 to extend the project completion date to 7/31/1991.

Grant Amount: \$19,496.00

Matching Amount: \$6,499.00

Status: Active

Nature of Project: Equipment and structure to initiate the recovery of corrugated cardboard and expand the recovery of glass, newspapers, and plastic for recycling.

County: Ottawa
Category: Landfill/Dump Closure
Project Code: CLS-1-70-83
Project Name: Holland Charter Township
Fiscal Year: 89/90
Contract Date: 1/28/1991
Grant Amount: \$515,057.00
Matching Amount: \$57,228.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Ottawa
Category: Composting
Project Code: CP-3-70-20075
Project Name: Able Sanitation, Inc.
Fiscal Year: 91/92
Contract Date: 4/15/1992
Grant Amount: \$30,929.00
Matching Amount: \$10,309.00
Status: Closed
Project terminated 5/6/1996. SWAP funds returned to the Environmental Protection Bond Fund.
Nature of Project: To construct a building and purchase processing equipment to expand their composting program.

County: Ottawa
Category: Composting
Project Code: CP-3-70-30018
Project Name: Eagle Ottawa Newaygo Farm, Inc. (Eagle Ottawa Leather Co.)
Fiscal Year: 92/93
Contract Date: 8/18/1994
Grant Amount: \$223,400.00
Matching Amount: \$74,467.00
Status: Active
Nature of Project: To purchase the equipment necessary to equip an indoor composting system for primary and secondary wastewater filter cake generated by the Eagle Ottawa leather tanning facility.

County: Ottawa
Category: Composting
Project Code: CP-3-70-10071
Project Name: Spring Lake/City of Ferrysburg
Fiscal Year: 90/91
Contract Date: 1/18/1991; amended 12/3/1991 to extend the completion date to 12/31/1991.
Grant Amount: \$58,000.00
Matching Amount: \$19,330.00
Status: Active
Nature of Project: Purchase of equipment to initiate the recovery of yard waste for composting.

County: Ottawa
Category: Resource Recovery Education
Project Code: ED-3-70-10143
Project Name: Able Sanitation, Inc.
Fiscal Year: 90/91
Contract Date: 9/28/1990; amended 12/12/1991 to extend the completion date to 6/30/1992.
Grant Amount: \$17,500.00
Matching Amount: \$5,833.00
Status: Closed
Project completed 2/28/1996.
Nature of Project: Provide resource recovery education to local citizens and promote the use of composting programs in Kent and Ottawa Counties.

County: Ottawa
Category: Resource Recovery Education
Project Code: ED-3-70-00018
Project Name: Ottawa County
Fiscal Year: 89/90
Contract Date: 5/10/1990
Grant Amount: \$28,476.00
Matching Amount: \$9,492.00
Status: Closed
Project completed 3/22/1995.
Nature of Project: Provide resource recovery education to local citizens and promote the use of composting programs in Ottawa County and the cities of Holland and Grand Haven.

County: Ottawa
Category: Market Development
Project Code: MD-3-70-50007
Project Name: Composting Soil Technologies, Inc.
Fiscal Year: 94/95
Contract Date: 7/10/1996
Grant Amount: \$285,494.00
Matching Amount: \$95,165.00
Status: Active
Nature of Project: To purchase equipment to expand their recycling/composting operation. The grinding plant was expanded to meet an increased demand for wood disposal services and for a new wood product line. Compost production volume was expanded and two new product lines were added.

County: Ottawa
Category: Market Development
Project Code: MD-3-70-40038
Project Name: Resource Recovery Corporation of West Michigan
Fiscal Year: 93/94
Contract Date: 11/22/1994; amended 5/29/1996 to extend the project completion date to 10/31/1996.
Grant Amount: \$2,475,320.00
Matching Amount: \$825,107.00
Status: Active
Nature of Project: To establish a facility where source separated spent foundry sand and slag will be processed and made into asphalt paving.

County: Ottawa
Category: Recycling-Collection/Processing
Project Code: RP-3-70-00014
Project Name: Lubbers Resource Systems
Fiscal Year: 89/90
Contract Date: 5/23/1990
Grant Amount: \$143,895.00
Matching Amount: \$47,965.00
Status: Active
Nature of Project: Purchase of equipment to initiate the recovery of fabric, plastic films, file stock, and foam materials from the furniture industry for recycling.

County: Ottawa
Category: Waste Reduction Research and Demonstration
Project Code: WRRD-3-70-10028
Project Name: Grand Valley State University
Fiscal Year: 90/91
Contract Date: 8/28/1990; amended 7/11/1991 to extend the completion date to 7/31/1992; and amended 2/24/1993 to extend the completion date to 6/30/1993.
Grant Amount: \$163,062.00
Matching Amount: \$28,776.00
Status: Closed
Project completed 2/26/1997.
Nature of Project: To develop engineering curricula and design criteria for improved product recyclability and to disseminate this information through publications, seminars, conferences, etc.

County: Ottawa

Category: Market Development

Project Code: MD-3-70-11007

Project Name: GPM Industries, Inc.

Fiscal Year: 90/91

Contract Date: 11/19/1990

Grant Amount: \$35,960.00

Matching Amount: \$11,987.00

Status: Closed
Project terminated 8/31/1995 after GPM Industries, Inc. (GPM), ceased the recycling operation. In accordance with the termination conditions negotiated with GPM, the equipment purchased with SWAP funds was transported to the State Surplus warehouse and GPM repaid \$4,000.00 to the Environmental Protection Bond Fund.

Nature of Project: Purchase of equipment to recover plastic/glass composite scrap from a manufacturing process and then reuse it in that same process.

County: Roscommon
Category: Composting
Project Code: CP-2-72-50002
Project Name: Denton Township
Fiscal Year: 94/95
Contract Date: 3/10/1995
Grant Amount: \$36,300.00
Matching Amount: \$12,100.00
Status: Active
Nature of Project: Expansion of an existing composting facility.

County: Roscommon
Category: Resource Recovery Education
Project Code: ED-2-72-00079
Project Name: Roscommon Township
Fiscal Year: 89/90
Contract Date: 5/23/1990
Grant Amount: \$5,248.00
Matching Amount: \$1,749.00
Status: Closed
Project completed 4/25/1995.
Nature of Project: Provide resource recovery education to local citizens and promote the use of the resource recovery programs in Roscommon.

County: Roscommon
Category: Resource Recovery Education
Project Code: ED-2-72-30001
Project Name: Roscommon Township
Fiscal Year: 92/93
Contract Date: 8/5/1993
Grant Amount: \$14,969.00
Matching Amount: \$4,989.00
Status: Closed
Project completed 2/8/1999.
Nature of Project: To expand the educational efforts in Roscommon County and initiate efforts in Missaukee County in order to increase the use of three resource recovery programs located in Roscommon County.

County: Roscommon
Category: Recycling-Collection/Processing
Project Code: RP-2-72-50001
Project Name: Denton Township
Fiscal Year: 94/95
Contract Date: 5/10/1995
Grant Amount: \$24,000.00
Matching Amount: \$8,000.00
Status: Active
Nature of Project: To establish a recycling collection center in Denton Township.

County: Saginaw
Category: Composting
Project Code: CP-2-73-40028
Project Name: City of Saginaw
Fiscal Year: 93/94
Contract Date: 6/24/1994
Grant Amount: \$88,500.00
Matching Amount: \$29,500.00
Status: Active
Nature of Project: To purchase equipment for the operation of a city-developed compost site on two acres of city property.

County: Saginaw
Category: Resource Recovery Education
Project Code: ED-2-73-40045
Project Name: Hartley Outdoor Education Center (Saginaw County)
Fiscal Year: 93/94
Contract Date: 9/8/1994; amended 9/8/1995 to extend the project completion date to 12/31/1995; amended 6/7/ to extend the project completion date to 6/30/1996; and amended 8/28/1996 to extend the project completion date to 9/30/1996.
Grant Amount: \$30,403.00
Matching Amount: \$10,135.00
Status: Closed
Project completed 2/23/2001.
Nature of Project: Development of an interactive hands on recycling education facility at the Hartley Outdoor Education Center.

County: Saginaw

Category: Waste Reduction Research and Demonstration

Project Code: WRRD-2-73-10113

Project Name: Tiny Tot Diaper Service

Fiscal Year: 90/91

Contract Date: 2/25/1991

Loan Amount: \$55,436.00

Matching Amount: \$6,160.00

Status: Active
The DEQ is pursuing collection of the defaulted loan amount.

Nature of Project: To purchase equipment to increase capacity and provide cloth diaper service to more households.

County: Sanilac

Category: Resource Recovery Education

Project Code: ED-2-76-40043

Project Name: Sanilac County

Fiscal Year: 93/94

Contract Date: 8/17/1994; amended 6/14/1995 to extend the completion date to 6/30/1995.

Grant Amount: \$49,100.00

Matching Amount: \$16,365.00

Status: Closed
Project completed 4/14/1999.

Nature of Project: Sanilac County would take the lead for the continuation of the SWAP funded Multi-County Recycling program (Sanilac, Tuscola, and Huron Counties) begun in 1992 and emphasize backyard composting and waste reduction reuse education.

County: Schoolcraft
Category: Market Development
Project Code: MD-1-77-60008
Project Name: Manistique Papers, Inc.
Fiscal Year: 95/96
Contract Date: 5/7/1997; amended 6/22/1998 to extend the project completion date to 7/31/1998.
Grant Amount: \$5,000,000.00
Matching Amount: \$1,666,666.00
Status: Active
Nature of Project: To purchase equipment that would upgrade its existing wastepaper processing system to utilize old catalogs and magazines and mixed residential mail from Michigan sources for the production of recycled de-inked pulp.

County: Schoolcraft
Category: Transfer Station Construction
Project Code: TSC-1-77-10018
Project Name: Manistique Rentals
Fiscal Year: 90/91
Contract Date: 10/1/1990; amended 11/7/1991 to extend the completion date to 12/31/1991.
Grant Amount: \$168,100.00
Matching Amount: \$56,040.00
Status: Active
Nature of Project: Construction of a solid waste transfer station to serve the residents of Schoolcraft County.

County: Shiawassee
Category: Composting
Project Code: CP-3-78-40003
Project Name: City of Laingsburg
Fiscal Year: 93/94
Contract Date: 4/11/1994
Grant Amount: \$18,308.00
Matching Amount: \$6,103.00
Status: Active
Nature of Project: To establish a yard waste composting program for the city of Laingsburg.

County: St. Clair
Category: Composting
Project Code: CP-3-74-30060
Project Name: City of Algonac
Fiscal Year: 92/93
Contract Date: 8/23/1993
Grant Amount: \$14,886.00
Matching Amount: \$4,962.00
Status: Active
Nature of Project: To purchase a leaf vacuum to implement a leaf collection program.

County: St. Clair
Category: Composting
Project Code: CP-3-74-20005
Project Name: Village of Capac
Fiscal Year: 91/92
Contract Date: 2/3/1992
Grant Amount: \$13,441.00
Matching Amount: \$4,480.00
Status: Active
Nature of Project: To purchase a leaf vacuum to serve the Village and divert leaves and grass clippings from the landfill.

County: St. Clair
Category: Resource Recovery Education
Project Code: ED-3-74-20021
Project Name: St. Clair County Metropolitan Planning Committee
Fiscal Year: 91/92
Contract Date: 3/11/1992; amended 10/6/1993 to extend the completion date to 12/31/1993.
Grant Amount: \$27,998.00
Matching Amount: \$9,333.00
Status: Closed
Project completed 8/28/2000.
Nature of Project: To promote recycling drop-off programs in St. Clair County through development of a volunteer network and distribution of educational materials.

County: St. Clair
Category: Resource Recovery Education
Project Code: ED-3-74-00213
Project Name: St. Clair County Cooperative Extension Service
Fiscal Year: 89/90
Contract Date: 6/20/1990
Grant Amount: \$28,142.00
Matching Amount: \$9,381.00
Status: Closed
Project completed 6/9/1995.
Nature of Project: To provide resource recovery education to local citizens and promote the use of the St. Clair County Composting Project.

County: St. Clair
Category: Household Hazardous Waste Center
Project Code: HHWC-3-74-10073
Project Name: St. Clair County Metro Planning Commission
Fiscal Year: 90/91
Contract Date: 12/10/1990
Grant Amount: \$100,000.00
Matching Amount: \$33,340.00
Status: Active
Nature of Project: Construction of two permanent household hazardous waste collection centers to divert and properly dispose of household hazardous waste from county residents.

County: St. Clair
Category: Market Development
Project Code: MD-3-74-30022
Project Name: Blue Water Fiber Limited Partnership
Fiscal Year: 92/93
Contract Date: 3/29/1994
Grant Amount: \$5,000,000.00
Matching Amount: \$1,666,666.00
Status: Active
Nature of Project: To purchase equipment which will enable Blue Water Fiber Limited Partnership to become an end-market for post-consumer office paper by substituting fifty percent recycled fiber in their paper products.

County: St. Joseph
Category: Composting
Project Code: CP-3-75-20047
Project Name: City of Three Rivers
Fiscal Year: 91/92
Contract Date: 6/15/1992
Grant Amount: \$74,100.00
Matching Amount: \$24,700.00
Status: Active
Nature of Project: To establish and operate a regional yard waste composting project serving the Cities of Three Rivers, Sturgis, Coldwater, and Southeastern Berrien County.

County: St. Joseph
Category: Household Hazardous Waste Center
Project Code: HHWC-3-75-10115
Project Name: Westside Landfill
Fiscal Year: 90/91
Contract Date: 9/28/1990; amended 9/8/1994 to extend the project completion date to 12/31/1994.
Grant Amount: \$32,933.00
Matching Amount: \$10,978.00
Status: Active
Nature of Project: Construction of a permanent household hazardous waste collection center to divert and properly dispose of household hazardous waste from St. Joseph, Kalamazoo, Cass, and Branch Counties.

County: Tuscola
Category: Landfill/Dump Closure
Project Code: CLS-2-79-22
Project Name: City of Cass City
Fiscal Year: 89/90
Contract Date: 11/9/1990
Grant Amount: \$235,472.00
Matching Amount: \$26,164.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Tuscola
Category: Resource Recovery Education
Project Code: ED-2-79-20002
Project Name: Tuscola County Cooperative Extension Service
Fiscal Year: 91/92
Contract Date: 3/11/1992
Grant Amount: \$20,743.00
Matching Amount: \$6,913.00
Status: Closed
Project completed 2/26/1997.
Nature of Project: To establish a full-time staff person within Tuscola County's Cooperative Extension Service to promote planned and existing resource recovery groups, disseminate resource recovery information, and aid in the implementation of WISE.

County: Tuscola

Category: Recycling-Collection/Processing

Project Code: RP-2-79-50027

Project Name: Tuscola County

Fiscal Year: 94/95

Contract Date: 7/21/1995; amended 11/28/1995 to add two 10-foot by 12-foot recycling sheds as part of the recycling project; and amended 5/1/1996 to extend the project completion date to 6/30/1996.

Grant Amount: \$68,700.00

Matching Amount: \$22,900.00

Status: Active

Nature of Project: To establish a full-time staff person within Tuscola County's Cooperative Extension Service to promote planned and existing resource recovery groups, disseminate resource recovery information, and aid in the implementation of recycling programs.

County: Van Buren
Category: Landfill/Dump Closure
Project Code: CLS-3-80-90118
Project Name: Geneva Township
Fiscal Year: 88/89
Contract Date: 4/26/1990
Grant Amount: \$226,935.00
Matching Amount: \$25,215.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Van Buren
Category: Landfill/Dump Closure
Project Code: CLS-3-80-90123
Project Name: South Haven Township
Fiscal Year: 88/89
Contract Date: 4/26/1990
Grant Amount: \$255,482.00
Matching Amount: \$28,387.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Van Buren

Category: Resource Recovery Education

Project Code: ED-3-80-40013

Project Name: Van Buren County Cooperative Extension Service

Fiscal Year: 93/94

Contract Date: 7/5/1994

Grant Amount: \$17,800.00

Matching Amount: \$5,934.00

Status: Closed
Project completed 2/17/1999.

Nature of Project: To initiate an ongoing Master Composter education program in Van Buren County with the objective of countywide participation in home composting.

County: Washtenaw
Category: Landfill/Dump Closure
Project Code: CLS-3-81-42
Project Name: City of Plymouth (Salem Landfill)
Fiscal Year: 89/90
Contract Date: 1/3/1991
Grant Amount: \$600,000.00
Matching Amount: \$66,667.00
Status: Active
Nature of Project: Close unlicensed dump.

County: Washtenaw
Category: Composting
Project Code: CP-3-81-00074
Project Name: Ypsilanti Township
Fiscal Year: 89/90
Contract Date: 6/20/1990; amended 7/30/1991 to extend the project completion date to 9/30/1991.
Grant Amount: \$139,367.00
Matching Amount: \$46,456.00
Status: Active
Nature of Project: Purchase of equipment to expand the recovery of yard and wood waste for composting.

County: Washtenaw
Category: Composting
Project Code: CP-3-81-00222
Project Name: City of Ann Arbor
Fiscal Year: 89/90
Contract Date: 7/9/1990
Grant Amount: \$250,000.00
Matching Amount: \$83,300.00
Status: Active
Nature of Project: Purchase of equipment to expand the recovery of leaves for composting.

County: Washtenaw
Category: Resource Recovery Education
Project Code: ED-3-81-00208
Project Name: City of Ann Arbor
Fiscal Year: 89/90
Contract Date: 7/9/1990; amended 8/6/1991 to extend the completion date to 8/31/1991; and amended 12/6/1991 to extend the completion date to 10/31/1991.
Grant Amount: \$49,512.00
Matching Amount: \$16,504.00
Status: Closed
Project completed 2/3/1997.
Nature of Project: Provide resource recovery education to local citizens and promote the use of the following resource recovery programs: Recycle Ann Arbor, Washtenaw County Drop-off, and Ann Arbor Composting.

County: Washtenaw
Category: Resource Recovery Education
Project Code: ED-3-81-00075
Project Name: Ypsilanti Township
Fiscal Year: 89/90
Contract Date: 6/20/1990
Grant Amount: \$33,715.00
Matching Amount: \$11,239.00
Status: Closed
Project completed 2/26/1996.
Nature of Project: Provide resource recovery education to local citizens and promote the use of recycling and composting programs in Washtenaw County.

County: Washtenaw
Category: Resource Recovery Education
Project Code: ED-3-81-00128
Project Name: Mamas and the Puppets
Fiscal Year: 89/90
Contract Date: 5/23/1990
Grant Amount: \$27,533.00
Matching Amount: \$9,177.00
Status: Closed
Project completed 2/28/1998.
Nature of Project: Provide resource recovery education to local citizens and promote the use of recycling programs in Jackson and Washtenaw Counties. This project was funded by another grant (ED-3-81-30062) in 1993 and the annual reports for both grants were consolidated.

County: Washtenaw
Category: Resource Recovery Education
Project Code: ED-3-81-30062
Project Name: Mamas and the Puppets
Fiscal Year: 92/93
Contract Date: 8/5 /1993
Grant Amount: \$36,500.00
Matching Amount: \$12,165.00
Status: Closed
Project completed 2/28/1998.

Nature of Project: Mamas and the Puppets will perform the puppet show "Rafferty Recycles the Rubbish." This show teaches children how and why to "reduce, reuse, and recycle." The show is similar to one developed under SWAP grant ED-3-81-00128 in 1990, but will include nine additional counties.

County: Washtenaw
Category: Household Hazardous Waste Center
Project Code: HHWC-3-81-00124
Project Name: Washtenaw County
Fiscal Year: 89/90
Contract Date: 8/24/1990
Grant Amount: \$98,820.00
Matching Amount: \$32,900.00
Status: Active

Nature of Project: Construction of a permanent household hazardous waste collection center to divert and properly dispose of household hazardous waste.

County: Washtenaw
Category: Market Development Research and Demonstration
Project Code: MDRD-3-81-40050
Project Name: Resource Recycling Systems, Inc.
Fiscal Year: 93/94
Contract Date: 3/31/1994; amended 7/21/1995 to extend the completion date to 11/30/1995.
Grant Amount: \$157,466.00
Matching Amount: \$27,788.00
Status: Active
Nature of Project: To demonstrate the means and methods for producing marketable yard waste compost products equivalent to topsoil in an odor free compost operation at costs that are affordable in Michigan.

County: Washtenaw
Category: Recycling-Collection/Processing
Project Code: RP-3-81-10135
Project Name: University of Michigan
Fiscal Year: 90/91
Contract Date: 10/10/1990; amended 12/3/1991 to extend the completion date to 11/30/1991.
Grant Amount: \$119,900.00
Matching Amount: \$39,970.00
Status: Active
Nature of Project: To purchase equipment to initiate the recovery of office paper for recycling.

County: Washtenaw
Category: Recycling-Collection/Processing
Project Code: RP-3-81-20023
Project Name: Western Washtenaw Recycling Authority
Fiscal Year: 91/92
Contract Date: 3/20/1992
Grant Amount: \$330,400.00
Matching Amount: \$110,130.00
Status: Active
Nature of Project: To develop recycling collection and processing systems to serve western Washtenaw County.

County: Washtenaw
Category: Recycling-Collection/Processing
Project Code: RP-3-81-20086
Project Name: Eastern Michigan University
Fiscal Year: 91/92
Contract Date: 9/16/1992
Grant Amount: \$9,675.00
Matching Amount: \$3,225.00
Status: Active
Nature of Project: To initiate an office paper recovery program in the University's administrative and academic buildings.

County: Washtenaw
Category: Recycling-Collection/Processing
Project Code: RP-3-81-10081
Project Name: Ypsilanti Township
Fiscal Year: 90/91
Contract Date: 12/28/1990; amended 2/27/1992 to extend the project completion date to 5/31/1992; and amended 7/16/1992 to extend the project completion date to 9/30/1992.
Grant Amount: \$211,259.00
Matching Amount: \$70,420.00
Status: Active
Nature of Project: To purchase equipment to expand the recovery of corrugated cardboard, newspapers, glass, and tin for recycling.

County: Washtenaw
Category: Recycling-Collection/Processing
Project Code: RP-3-81-00221
Project Name: City of Ann Arbor
Fiscal Year: 89/90
Contract Date: 7/9/1990; amended 2/27/1991 to extend the project completion date to 11/30/1991; amended 8/12/1991 to extend the project completion date to 9/30/1991; amended 9/11/1991 to extend the project completion date to 8/31/1991; and amended 11/7/1991 to extend the project completion date to 4/30/1992.
Grant Amount: \$500,000.00
Matching Amount: \$166,700.00
Status: Active
Nature of Project: To purchase equipment to expand the recovery of tin, aluminum, metal, glass, newspapers, corrugated cardboard, and batteries for recycling.

County: Washtenaw

Category: Waste Reduction Research and Demonstration

Project Code: WRRD-3-81-00039

Project Name: University of Michigan (U of M)

Fiscal Year: 89/90

Contract Date: 5/21/1990

Grant Amount: \$46,715.00

Matching Amount: \$8,244.00

Status: Closed
Project completed 2/28/1996.

Nature of Project: Research project to develop a set of case studies for use as tools to effectively transfer waste reduction technology from one firm to another. The five case studies were published and distributed to the general public through workshops sponsored or participated in by the U of M project staff, conferences, and seminars attended by the staff or participated in upon specific request.

County: Wayne
Category: Composting
Project Code: CP-3-82-00135
Project Name: Western Townships Utilities Authority
Fiscal Year: 89/90
Contract Date: 8/10/1990; amended 12/6/1991 to extend the project completion date to 12/31/1991.
Grant Amount: \$242,060.00
Matching Amount: \$80,687.00
Status: Active
Nature of Project: Purchase of equipment to initiate the recovery of yard waste, brush, and wood for composting.

County: Wayne
Category: Composting
Project Code: CP-3-82-00178
Project Name: City of Detroit
Fiscal Year: 89/90
Contract Date: 10/10/1990; amended 8/6/1991 to extend the project completion date to 1/31/1992.
Grant Amount: \$250,000.00
Matching Amount: \$83,300.00
Status: Active
Nature of Project: Purchase of equipment to initiate the recovery of leaves for composting.

County: Wayne
Category: Composting
Project Code: CP-3-82-00101
Project Name: City of Trenton
Fiscal Year: 89/90
Contract Date: 6/4/1990
Grant Amount: \$94,244.00
Matching Amount: \$31,414.00
Status: Closed
Project completed 2/2/2001.
Nature of Project: Purchase of equipment to initiate the recovery of yard waste, brush, and wood for composting.

County: Wayne
Category: Resource Recovery Education
Project Code: ED-3-82-00131
Project Name: Southeast Michigan Council of Governments
Fiscal Year: 89/90
Contract Date: 8/10/1990
Grant Amount: \$50,000.00
Matching Amount: \$16,667.00
Status: Closed
Project completed 8/10/1993.
Nature of Project: Provide resource recovery education to local citizens regarding the expansion of the Downriver Recycling Center residential recycling services.

County: Wayne
Category: Resource Recovery Education
Project Code: ED-3-82-10049
Project Name: Wayne County Intermediate School District
Fiscal Year: 90/91
Contract Date: 10/1/1990
Grant Amount: \$5,700.00
Matching Amount: \$1,900.00
Status: Closed
Project completed 2/20/1992.
Nature of Project: Provide resource recovery education to local citizens and promote the use of recycling centers in Wayne County.

County: Wayne
Category: Resource Recovery Education
Project Code: ED-3-82-10144
Project Name: Conference of Western Wayne
Fiscal Year: 90/91
Contract Date: 10/1/1990
Grant Amount: \$24,341.00
Matching Amount: \$8,114.00
Status: Closed
Project completed 3/27/1995.
Nature of Project: Provide resource recovery education to local citizens and promote the use of resource recovery programs in Western Wayne County.

County: Wayne
Category: Household Hazardous Waste Center
Project Code: HHWC-3-82-00113
Project Name: City Management Corporation
Fiscal Year: 89/90
Contract Date: 8/24/1990
Grant Amount: \$100,000.00
Matching Amount: \$33,333.00
Status: Active
Nature of Project: Construction of a permanent household hazardous waste collection center to divert and properly dispose of household hazardous waste bound for the city of Detroit's waste-to-energy incinerator.

County: Wayne
Category: Household Hazardous Waste Center
Project Code: HHWC-3-82-00193
Project Name: Greater Detroit Resource Recovery Authority
Fiscal Year: 89/90
Contract Date: 12/10/1990
Grant Amount: \$100,000.00
Matching Amount: \$33,333.00
Status: Active
Nature of Project: Construction of a permanent household hazardous waste collection center to divert and properly dispose of household hazardous waste bound for the city of Detroit's waste-to-energy incinerator.

County: Wayne

Category: Market Development

Project Code: MD-3-82-11008

Project Name: Carroll Packaging, Inc. (P.A.V.E. Recycling, Inc.)

Fiscal Year: 90/91

Contract Date: 11/30/1990; amended 10/31/1991 to extend the project completion date to 11/30/1991; and modified by an agreement of sale dated 10/20/1996, approved by the DEQ, to sell the equipment to P.A.V.E. Recycling, Inc., of Pinconning, Michigan.

Grant Amount: \$116,245.00

Matching Amount: \$38,748.00

Status: Closed
The Contract was terminated for nonperformance on 4/4/2000. The mobile grinding unit was repossessed by the DEQ and sold as surplus property for \$18,800.00.

Nature of Project: Purchase of a mobile grinding unit and storage silos for the recovery of secondary rigid polystyrene utilized in the automotive packaging industry to be remanufactured by the grantee into polystyrene packaging.

County: Wayne

Category: Market Development

Project Code: MD-3-82-10123

Project Name: Secondary Polymers, Ltd.

Fiscal Year: 89/90

Contract Date: 5/8/1990

Grant Amount: \$510,239.00

Matching Amount: \$175,540.00

Status: Closed
Project terminated 10/14/1991 for failure to perform. The DEQ pursued and won a fraud case against the president of the company in 1994, who was ordered to repay \$56,250.00 to the Environmental Protection Bond Fund by the court.

Nature of Project: To start a plastic cleaning facility capable of accepting post-consumer, commercial and industrial HDPE, polyethylene terephthalate, polystyrene, and polypropylene, and market to end-users.

County: Wayne

Category: Market Development

Project Code: MD-3-82-60005

Project Name: NRI Michigan, Inc.

Fiscal Year: 95/96

Contract Date: 6/21/1996; amended 8/26/1996 to extend the project completion date to 8/30/1997; amended 10/20/1997 to extend the project completion date to 11/15/1998 and change the Grantee from National Rubber Michigan, Incorporated, to NRI Michigan, Incorporated; amended 8/11/1998 to extend the project completion date to 11/15/1998 and revise the grant amount; amended 10/13/1999 to outline a grant repayment schedule and conditions for termination of the Contract; and amended 12/2/1999 to revise the grant repayment schedule.

Grant Amount: \$1,392,113.00

Matching Amount: \$464,038.00

Status: Active
However, the project was terminated 9/2/1999. The grantee is repaying the entire grant amount in three equal payments. The final payment is due 12/17/2001.

Nature of Project: To support the construction of a plant in Michigan capable of recycling used tires into partially devulcanized rubber which can be used by NRI, Michigan, Inc., in its manufacturing operations or sold to other rubber product manufacturers.

County: Wayne
Category: Market Development Research and Demonstration
Project Code: MDRD-3-82-00107
Project Name: Detroit/Wayne County Port Authority
Fiscal Year: 89/90
Contract Date: 5/10/1990; amended 7/21/1991 to extend the completion date to 7/31/1991.
Grant Amount: \$182,562.00
Matching Amount: \$32,217.00
Status: Closed
Project completed 3/1/1995.
Nature of Project: Research project to identify a site along the Detroit River that will be used as a collection point for overseas recycling trade.

County: Wayne
Category: Market Development Research and Demonstration
Project Code: MDRD-3-82-10078
Project Name: Western Townships Utilities Authority
Fiscal Year: 90/91
Contract Date: 2/8/1991; amended 3/6/1992 to extend the completion date to 7/31/1992.
Grant Amount: \$191,250.00
Matching Amount: \$33,750.00
Status: Closed
Project completed 8/29/1995.
Nature of Project: Research project to compare three bioprocessing technologies using old newspapers, corrugated cardboard, and paper mill sludge.

County: Wayne
Category: Market Development Research and Demonstration
Project Code: MDRD-3-82-40056
Project Name: Architects Building LDHA Limited Partnership (Cass Corridor Neighborhood Development Corporation)
Fiscal Year: 93/94
Contract Date: 2/25/1997; amended 6/11/1997 to change the Grantee from Cass Corridor Neighborhood Development Corporation to Architects Building Limited Dividend Housing Association Limited Partnership; and amended 4/22/1998 to extend the project completion date to 8/15/1998.
Grant Amount: \$250,000.00
Matching Amount: \$44,118.00
Status: Active
Nature of Project: To execute a pilot project that would demonstrate, quantify, and document the concept of recycling buildings that have otherwise outlived their economic lives as a method of reducing the flow of solid waste to landfills.

County: Wayne
Category: Recycling-Collection/Processing
Project Code: RP-3-82-00071
Project Name: Mid-Way Cullet (Strategic Materials, Inc.)
Fiscal Year: 89/90
Contract Date: 9/10/1990, amended 7/11/1991 to extend the project completion date to 11/30/1991; and amended 8/10/ 2001 to replace Mid-Way Cullet with Glass Recyclers, LTD. as the Grantee.
Grant Amount: \$181,701.00
Matching Amount: \$60,567.00
Status: Active
Nature of Project: To purchase equipment to expand the recovery of glass, corrugated cardboard, and metal cans for recycling.

County: Wayne
Category: Recycling-Collection/Processing
Project Code: RP-3-82-30028
Project Name: Huron Township
Fiscal Year: 92/93
Contract Date: 8/5/1993; amended 7/27/1994 to extend the project completion date to 8/30/1994.
Grant Amount: \$61,114.00
Matching Amount: \$20,371.00
Status: Active
Nature of Project: To implement an integrated, township-wide recycling program, including curbside pickup for recyclables for single family residences and an expansion of existing drop-off services.

County: Wayne
Category: Recycling-Collection/Processing
Project Code: RP-3-82-10016
Project Name: City of Wyandotte
Fiscal Year: 90/91
Contract Date: 11/30/1990
Grant Amount: \$13,800.00
Matching Amount: \$4,600.00
Status: Active
Nature of Project: Purchase of equipment to expand the recovery of newspapers, glass, and tin for recycling.

County: Wayne
Category: Waste-to-Energy Project
Project Code: WTE-3-82-30058
Project Name: Central Wayne Air Quality & Energy Recovery
Fiscal Year: 92/93
Contract Date: 3/22/1995; amended 8/30/1996 to extend the completion date to 6/30/1998; and amended 12/1/1999 to extend the completion date to 9/30/2000.
Grant Amount: \$5,000,000.00
Matching Amount: \$29,500,000.00
Status: Active
Nature of Project: To purchase air quality pollution control equipment for the plant.

County: Wayne
Category: Market Development
Project Code: MD-3-82-40024
Project Name: IPMC Acquisition L.L.C. (IPMC)
Fiscal Year: 93/94
Contract Date: 5/24/1995; amended 10/21/1996 to alter the type of recycled paper and annual diversion rates allowed under the Contract and decrease the amount of the grant; and amended 3/6/1997 to modify the annual diversion rates and decrease the amount of the grant.
Grant Amount: \$1,070,000.00
Matching Amount: \$356,667.00
Status: Active
Nature of Project: To retrofit IPMC's existing paper mill with cleaning equipment to deink pulp from mixed office paper. The pulp will be used by IPMC in the production of specialty lightweight paper and/or sold to other mills. This project provided a needed end-market for mixed office paper in southeast Michigan.

County: Wayne

Category: Recycling-Collection/Processing

Project Code: RP-3-82-50014

Project Name: Harper Hospital

Fiscal Year: 94/95

Contract Date: 6/1/1995; amended 7/22/1996 to extend the project completion date to 8/30/1996; and amended 10/7/1996 to extend the project completion date to 9/30/1996.

Grant Amount: \$40,969.00

Matching Amount: \$13,656.00

Status: Active

Nature of Project: To establish a recycling center for Harper Hospital and implement a recycling program, in cooperation with their waste handler, to recycle paper, plastics, polystyrene, metal cans, corrugated cardboard, and newspapers.

County: Wexford

Category: Resource Recovery Education

Project Code: ED-2-23-10079

Project Name: Wexford Soil and Water Conservation District

Fiscal Year: 90/91

Contract Date: 8/28/1990; amended 8/6/1991 to extend the completion date to 11/30/1991.

Grant Amount: \$28,800.00

Matching Amount: \$9,600.00

Status: Closed
Project completed 2/23/1996.

Nature of Project: Provide resource recycling education to local residents and promote the use of resource recovery programs in Wexford, Missaukee, Osceola, Manistee, Mecosta, and Benzie Counties.

County: Various
Category: Clean Michigan Community
Project Code: CMC-07235
Project Name: Resource Integration Systems
Fiscal Year: 89/90
Contract Date: 6/1/1990
Grant Amount: \$900,486.00
Matching Amount: \$0.00
Status: Closed
Project completed 5/30/1995.
Nature of Project: To develop, assist in implementation, assess integrated community-wide recycling-collection/processing, composting, and resource recovery education demonstration programs for each of the six CMC communities for use as models for communities across Michigan.

County: Various
Category: Clean Michigan Community
Project Code: CMC-0090
Project Name: Planning & Zoning Center, Inc.
Fiscal Year: 89/90
Contract Date: 11/1/1993
Grant Amount: \$166,367.00
Matching Amount: \$0.00
Status: Closed
Project completed 9/30/1995.
Nature of Project: To develop, assist in implementation, assess integrated community-wide recycling-collection/processing, composting, and resource recovery education demonstration programs as models for communities across Michigan.

County: Various
Category: Statewide Project
Project Code: SP-SP006
Project Name: Resource Integration Systems
Fiscal Year: 89/90
Contract Date: 11/2/1990; amended 10/4/1991 to extend the completion date to 8/31/1992; and amended 12/8/1992 to extend the completion date to 3/31/1993.
Grant Amount: \$265,785.00
Matching Amount: \$0.00
Status: Closed
Project terminated 1/23/1997.
Nature of Project: Development and delivery of statewide recyclers training course for 250 local Michigan recycling coordinators and program operators.

County: Various
Category: Statewide Project
Project Code: SP-SP008
Project Name: Harwood Group/Project Outreach
Fiscal Year: 89/90
Contract Date: 8/10/1990; amended 7/11/1991 to extend the project completion date to 12/31/1991; amended 12/3/1991 to extend the project completion date to 6/30/1992; and amended 7/22/1992 to extend the project completion date to 7/31/1992.
Grant Amount: \$135,253.00
Matching Amount: \$0.00
Status: Closed
Project completed 7/31/1992.
Nature of Project: Development of quantitative information and implementation tools to support and advance the state's business oriented waste reduction efforts.

County: Various
Category: Statewide Project
Project Code: SP-SP1013
Project Name: Waste Systems Institute
Fiscal Year: 90/91
Contract Date: 7/12/1991; amended 4/27/1992 to extend the completion date to 12/31/1992.
Grant Amount: \$31,255.00
Matching Amount: \$0.00
Status: Closed
Project completed 12/31/1995.
Nature of Project: Provide a statistical analysis and information summary of projects funded under the Clean Michigan Fund Program from Fiscal Year 1985/1986 through 1988/1989.

County: Various
Category: Statewide Project
Project Code: SP-3-11023
Project Name: Michigan State University
Fiscal Year: 90/91
Contract Date: 4/30/1991; amended 4/2/1992 to extend the completion date to 4/30/1991; and amended 7/2/1992 to extend the completion date to 12/31/1992.
Grant Amount: \$140,418.00
Matching Amount: \$46,806.00
Status: Closed
Project completed 5/16/1997.
Nature of Project: Establish a collection of information on plastics recycling and make it available to individuals and organizations by way of a computer bulletin board, library services, and county cooperative extension services. The data is accessed by modem, or requests for information can be made to project personnel by telephone, mail, or telefax.

III. Program Assessment

As stated, the overall objective of the Policy was to significantly reduce Michigan's dependence on landfills for the disposal of solid waste. Following is an assessment of the SWAP toward meeting that objective, as well as other objectives, including creation of jobs, new local solid waste ordinances, and public and private education to reduce the waste stream.

Reduced Dependence on Landfills

Composting, Resource Recovery Education, Clean Michigan Community, Market Development, Composting, and Recycling-Collection/Processing

In an effort to decrease the amount of solid waste, the state of Michigan, through Composting and Resource Recovery Education projects funded by the SWAP, encouraged yard waste composting ranging from small backyard operations to large scale public and private ventures. The composting projects operated by major public and private entities resulted in the conversion of over 789,000 tons of yard clippings into compost. This was 789,000 tons of material that was not transported to landfills and/or incinerators for disposal or burned in the open, thus reducing air pollution.

The information about composting disseminated through the SWAP Resource Recovery Education projects and the examples of composting operations provided through the SWAP Composting and Clean Michigan Community projects contributed to a significant increase in knowledge of and participation in composting by the general public. (For a review of the Clean Michigan Community Projects, see Appendix H). Although impossible to measure, in aggregate, the contributions of backyard composting operations have resulted in a significant decrease in volume of the solid waste stream needing disposal and in a reduction of air pollution from open burning.

One of the goals of the Policy adopted by the state of Michigan in 1988 was to enact legislation to ban the disposal of yard waste in landfills. The SWAP was initiated in November of 1988. The SWAP Administrative Rules required organizations operating Composting and Clean Michigan Community projects with SWAP grants or loans to ban the landfilling of yard waste. In 1990, the Michigan Legislature enacted PA 264 (Act 264), amending Part 115 to prohibit landfills and municipal solid waste incinerators from accepting yard waste. Under the provisions Act 264 beginning in October of 1992, landfills and solid waste incinerators could not accept yard waste from land owned by a county, municipality, or state

facility. Beginning in October of 1994, landfills and municipal solid waste incinerators could not accept yard waste from any sources. The SWAP Administrative Rules concerning banning the disposal of yard waste in landfills provided a transition period for public and private bodies throughout the state to prepare for the eventual statewide ban of yard waste from landfills and municipal solid waste incinerators.

In addition, a significant amount of SWAP funding was earmarked for projects such as Clean Michigan Community, Market Development, Composting, and Recycling-Collection/Processing, that provided for alternatives to disposing of materials in landfills and incinerators. Tables V and V-A illustrate the amount of solid waste diverted from Michigan disposal areas.

Recycling-Collection/Processing, Resource Recovery Education, Clean Michigan Community

A major effort to reduce Michigan's dependence on landfills and incinerators is being made through recycling programs. The May 2001 report by the MRC estimates that recycling is nearly a \$2 billion industry in Michigan. The SWAP Resource Recovery Education projects educated the general public about the advantages of recycling. The SWAP Recycling-Collection/Processing, Clean Michigan Community, and Market Development projects provided incentives, information, contacts, and equipment to initiate and operate recycling programs throughout Michigan. Recycling-Collection/Processing projects resulted in the diversion of 1.7 million tons of materials from landfills and incinerators. Clean Michigan Community projects recycled 231,000 tons. Market Development projects diverted another 3.5 million tons by creating markets for materials that otherwise would have been discarded. In all, over 6.7 million tons of solid waste was redirected from Michigan disposal areas (See Tables V and V-A).

Household Hazardous Waste Center

The success of the Household Hazardous Waste Center projects are difficult to quantify because of the variety of the materials handled, the methods used to measure the amounts of materials collected, and the intermittent schedule of some of the household hazardous waste collections. However, approximately 2,796 tons and 669,164 gallons of household hazardous waste consisting of pesticides, used oil, herbicides, flammable liquids, oil-based and latex paints, solvents, aerosol cans, household batteries, etc., have been either recycled or properly disposed of through the Household Hazardous Waste Center projects. In addition, approximately 9,195 automobile (and other vehicle) batteries were collected. This material was not sent to landfills or incinerators or dumped

into the environment and were removed as a threat to the health of Michigan's citizens and/or Michigan's ecosystem.

Landfill/Dump Closure, Transfer Station Construction

The SWAP Landfill/Dump Closure projects provided funds to close and properly cap 69 unlicensed, unregulated county and municipal dumps. As a result of the state's campaign to close all the remaining open dumps in the state, the remaining unlicensed dumps ceased operations as alternate disposal options became available. Additional money was provided to construct transfer stations, in many cases, to replace the illegal dumpsites. Both projects enhanced the general condition of Michigan's environment and contributed to public health by reducing potential discharges into the environment through preventing uncontrolled disposal of solid waste and improving solid waste collection, transportation, and disposal. Many transfer stations began to offer recycling and composting opportunities that reduced the amount of waste transported to licensed landfills.

The unlicensed dumps were sources of water and air pollution. Water contamination was caused by precipitation filtering through the waste material, leaching contaminants, and carrying the resultant leachate into groundwater supplies. Dumps were also often burned, sending pollutants into the air. Capping of the dumps with impermeable materials greatly reduced the amount of contaminants leaching from the unlined landfills, as precipitation could no longer reach waste material to generate new leachate.

Litter and illegal dumping of solid waste were prevalent in the areas around the old dumpsites and in rural areas. Once the small rural dumps were closed, there was an increase in illegal dumping in these rural areas. However, as alternatives became available, and education efforts helped to change public perception, the amount of illegal dumping has decreased relative to the populations of rural areas. The Adopt-A-Forest Program and other locally supported clean-up efforts are contributing to the education efforts.

Market Development, Market Development Research and Demonstration, Waste Reduction and Demonstration, Market Project.

These categories contributed to the overall goal of the Policy to significantly reduce its dependence on landfills for the disposal of solid waste. However, determining the impact of these projects on the waste stream is difficult to quantify because the purpose of these projects was to investigate new uses for materials taken from the solid waste stream, create a demand for these products, and demonstrate the economic advantages of producing and selling these products in the open market.

The information obtained in these endeavors was disseminated to the public and industry by the grantees through brochures, published articles, reports, seminars, presentations, and various other media as part of the contract. This data is available from the DEQ to interested parties upon request.

Waste-to-Energy

The SWAP provided funding for the installation of air quality pollution control equipment at the Central Wayne Energy Recovery Facility (CW) in Dearborn Heights, Michigan. This facility generates electricity from the incineration of solid waste and serves the communities of Dearborn Heights, Garden City, Inkster, Wayne, and Westland. As part of the Waste-to-Energy project, CW must sponsor recycling and household hazardous waste collection programs in the above communities. In 1999, the programs processed 18,640 tons of compost, 1,343 tons of newspapers, 78 tons of plastics, 230 tons of glass and tin, and 14,839 pounds of household hazardous waste. CW has also provided a mercury waste recycling drop-off collection depot at the plant site that allows citizens of the five communities to bring in mercury laden products such as batteries, fluorescent lights, switches, thermostats, metal halide, high density discharge and mercury vapor lamps, incandescent light bulbs, and thermometers. Approximately 50 pounds of mercury has been dropped off and recycled since its inception in October 1999. The facility produced and sold 57,237 megawatts of electricity to the Detroit Edison Company for the period of November 1999 through July 2000.

Statewide Projects

This was a special category to fund projects that the DEQ identified as having the potential to affect the solid waste management needs of the entire state or a significant portion of the state, or to assist the state in meeting the goals of the Policy. These projects primarily covered the research, collection, and dissemination of data that would enlighten, educate, and encourage public and private organizations throughout Michigan to establish composting, recycling, and resource recovery programs that would reduce Michigan's dependence on landfills and incinerators. The information was made available through workshops, mailings, websites, the distribution of printed material by state agencies, and the media. The success of these projects can only be measured indirectly through the increased awareness of the public and private sectors of the problems of solid waste disposal and the establishment and continued operation of programs by these entities in support of the Policy.

Creation of Jobs

Tables VI and VII list the number of jobs initially created under the SWAP by County and Category respectively. The expansion of recycling, composting, resource recovery operations, and the creation of new products from recycled materials encouraged by the SWAP have created additional opportunities for employment since the program's inception. According to "Michigan Recycling Measurement," a recent publication of the MRC, recycling processing in Michigan resulted in an estimated 5,687 jobs, and approximately \$243 million in wages in 1999.

Ordinances

Rule 12401(7) of the SWAP Administrative Rules promulgated pursuant to Part 195 states, that: "To be eligible for a composting grant or loan the area to be served by the composting project shall have in place a ban on the landfilling of leaves and yard waste and a ban on the burning of leaves and yard waste prior to entering the grant or loan contract." In the case of Clean Michigan Community projects, Rule 12402(5) of the SWAP Administrative Rules promulgated pursuant to Part 195 required that the communities enact local ordinances or formal policies that required the community to procure and use recycled materials and products whenever possible; prohibit the scavenging of recyclable material; mandated the source separation of waste materials for recycling; and enacted a ban on the landfilling and open burning of leaves and yard waste. These bans usually took the form of an ordinance or regulation passed by the local governmental body in the region to be served by the project. These regulations not only decreased the volume of solid waste sent to landfills and incinerators, but also improved air quality. Without the incentive provided by the SWAP, ordinances of this type may not have been passed.

Education

An important aspect of the SWAP has been education. Not only have the Resource Recovery Education and Clean Michigan Community projects been instrumental in educating the public and private sectors in the establishment, operation, and benefits of recycling, composting, resource recovery, and household hazardous waste collection, but the existence of other projects such as Market Development, Market Development and Demonstration, Waste Reduction Research and Demonstration, Waste - to-Energy, etc, have provided incentives to reduce the amount of solid waste entering the waste stream. For example, the "Michigan Recycling Measurement," a recent publication of the MRC, estimates that 345 curbside recycling and 413 drop-off recycling collection programs are operated or managed by 680 communities and private businesses throughout Michigan. The SWAP projects laid the groundwork for these

programs, and the various processing plants, material recovery facilities, household hazardous waste collection centers, etc., that exist throughout Michigan through education and funding to develop these types of programs.

Table V SWAP Diversion Rates - Recycling

Category	Total Project Diversion Goal To Date (Tons)	Total Amount Diverted To Date (Tons)	Percentage of Goals Achieved# To Date	Comments
Clean Michigan Community (CMC)				
City of Buchanan, Berrien County	3,344	5,273	158%	
Delta Solid Waste Mgmt. Auth., Delta Co.	21,592	24,199	112%	
Village of Caseville, Huron County	2,040	354	17%	
City of Lansing, Ingham County	6,417	25,213	393%	
Isabella County	20,867	38,287	183%	
Southeastern Oakland Co. Res. Rec. Auth.	210,681	137,917	65%	
Total	264,941	231,243		
Average			155%	
Recycling-Collection/Processing (RP)				
Tasco, Baraga County	5,616	2,639	47%	
City of Bay City, Bay County	4,896	6,557	134%	
Gateway, Berrien County	8,395	5,160	61%	
Franklin Iron & Metal Company, Calhoun Co.	12,500	7,560	60%	No reports submitted since 1997
Northern Transitions, Inc., Chippewa County	8,807	18,345	208%	
Clinton County Board of Commissioners	1,350	2,158	160%	
Dickinson Co. Solid Waste Mgmt. Authority	800	4,212	527%	
Emmet County Department of Public Works	324	490	151%	
Flushing Band & Orchestra Boosters, Genesee	4,128	3,789	92%	
Flushing Township, Genesee County	1,040	149	14%	No report for 2000

Table V SWAP Diversion Rates - Recycling

Category	Total Project Diversion Goal To Date (Tons)	Total Amount Diverted To Date (Tons)	Percentage of Goals Achieved# To Date	Comments
North American Env.Ser., Genesee County *	72,000	32,763	46%	Project terminated 2/17/1994
Gogebic Range Solid Waste Mgmt. Authority	7,150	3,108	43%	
GTP Industries, Grand Traverse County *	2,100	9,056	431%	Project terminated 2/10/1996
GTP Industries, Inc., Grand Traverse County *	180	386	214%	Project terminated 2/10/1996
Village of Breckenridge, Gratiot County *	65	20	31%	Project completed 11/28/1995
Gratiot County (Combined Projects)	181	372	205%	
Huron County *	777	1,066	137%	Project terminated 1/22/1996
City of East Lansing, Ingham County	10,000	18,737	187%	
Ingham County	3,105	8,126	262%	
Michigan State University, Ingham County	10,500	8,910	85%	No reports for since 1998
Brooks, Frederick Sydney, Iosco County	4,900	1,484	30%	No report for 1998
Ironland Disposal Service, Iron County	8,896	1,778	20%	No report for 2000
Alloy Exchange, Inc., Kent County	28,000	16,057	57%	
Kamps Pallets, Inc., Kent County	36,930	75,096	203%	Closed 1/30/2001
Contractor Container Corp, Livingston County	180,000	124,518	69%	
Recycle Livingston, Livingston County	3,726	4,303	115%	
City of Mackinac Island, Mackinac County	21,510	No reports	N/A	
City of Centerline, Macomb County	2,800	755	27%	
Clinton Township, Macomb County	31,296	38,562	123%	
City of Roseville, Macomb County	5,565	23,690	426%	No reports for 1996,1999 & 2000
City of Ishpeming, Marquette County	1,560	1,782	114%	
City of Menominee, Menominee County	30,600	2,173	7%	
Northern Refuse, Inc., Menominee County	73	28	38%	No report for 2001

Table V SWAP Diversion Rates - Recycling

Category	Total Project Diversion Goal To Date (Tons)	Total Amount Diverted To Date (Tons)	Percentage of Goals Achieved# To Date	Comments
Community Recycling Ser., Muskegon County	126,000	61,214	49%	
Great Lakes Waste Service, Oakland County	70,200	29,250	42%	No reports for 1995, '96, '98 - 2001
Resource Rec. & Recy.Auth./SW Oakland Co.	150,500	298,986	199%	
Cumming Township, Ogemaw County	5,994	200	3%	
Norman Pestka Construction, Ontonagon Co.	25,016	812	3%	No report for 1996
Lubbers Resource Systems, Ottawa County	91,800	143,165	156%	No report for 2001
Denton Township, Roscommon County	3,180	4,075	128%	
Tuscola County	4,605	5,686	123%	
City of Ann Arbor, Washtenaw County	64,260	103,551	161%	
Eastern Michigan University, Washtenaw Co.	980	856	87%	No reports 1997 - 2000
University of Michigan, Washtenaw County	8,000	21,009	263%	
Western Washtenaw Recycling Authority	12,204	21,732	178%	
Ypsilanti Township, Washtenaw County	20,000	15,944	80%	
Harper Hospital, Wayne County	17,735	730	4%	No report for 2000
Huron Township, Wayne County	11,802	2,446	21%	
Mid-Way Cullet(Strategic Materials), Wayne Co.	200,400	570,000	284%	No reports 1998-2000
City of Wyandotte, Wayne County	2,808	8,656	308%	No report for 2000
Total	1,325,254	1,712,141		
Average			115%	

Table V SWAP Diversion Rates - Recycling

Category	Total Project Diversion Goal To Date (Tons)	Total Amount Diverted To Date (Tons)	Percentage of Goals Achieved# To Date	Comments
Market Development (MD)				
Ampro Industries, Inc., Allegan County*	34,695	38,733	112%	Terminated 3/1/2001
Michigan Paperboard Company, Calhoun Co.	291,978	508,741	174%	
Polycytek L.L.C., Calhoun County	25,440	5,500	22%	
Rock-Tenn Co. (Waldorf Corp.), Calhoun County	333,000	446,365	134%	No report for 1997
Watson's Tree Service, Cass County	216,000	86,221	40%	No report for 2000
Kamps Pallets, Inc., Eaton County	16,200	39,750	245%	
Petoskey Plastics, Inc., Emmet County	10,500	6,554	62%	No report for 1996 & 2000
American Commodities Inc., Genesee County	39,956	29,699	74%	
Environmental Rubber Recycling, Genesee Co.	77,196	31,556	41%	
Applegate Insulation Mfr., Ingham County	125,000	102,380	82%	
Michigan Polymer Reclaim, Ingham County	18,000	9,230	51%	
Olson Firestone Service, Isabella County *	2,228	91	4%	Terminated 3/1/1994
Olson Firestone Service, Isabella County	920	535	58%	
Olson Firestone Service, Isabella County	976	655	67%	
Georgia-Pacific Corporation, Kalamazoo County	145,560	138,282	95%	No report for 2000
Graphic Packaging Corporation, Kalamazoo Co.	624,000	737,632	118%	
Northern A-1 Services, Inc., Kalkaska County	8,333	2,040	24%	No reports 1997-2000
Ludlow Building Products, Inc., Lenawee County	81,920	93,078	114%	
PCA, Manistee County	862,920	797,659	92%	

Table V SWAP Diversion Rates - Recycling

Category	Total Project Diversion Goal To Date (Tons)	Total Amount Diverted To Date (Tons)	Percentage of Goals Achieved# To Date	Comments
Project/County				
Clean Tech, Inc., Monroe County	31,080	99,201	319%	
Cadillac Products, Oakland County	35,152	23,106	66%	
Resource Rec. Corp. of W. Michigan, Ottawa Co.	107,000	173,448	162%	
Manistique Papers, Inc., Schoolcraft County	69,040	39,705	58%	
Blue Water Fiber Ltd. Part., St. Clair County	166,507	104,497	63%	No report for 1997
IPMC Acquisition L.L.C., Wayne County	42,000	2,541	6%	
Total	3,365,600	3,517,199		
Average			91%	
Grand Total	4,955,796	5,460,584		
Overall Average			120%	
# Total Amount Diverted to Date/Total Project Diversion Goal to Date				
* Diversion Goal Total Only for the Years the Project was Active				

Note: Total amount of solid waste diverted from Michigan landfills through SWAP Recycling and Composting Projects to date is 6,734,444 tons.

Table V-A SWAP Diversion Rates - Composting

Category	Total Project Diversion Goal To Date (Tons)	Total Amount Diverted To Date (Tons)	Percentage of Goals Achieved# To Date	Comments
Clean Michigan Community (CMC)				
City of Buchanan, Berrien County	7,584	22,005	290%	
Delta Solid Waste Mgmt. Auth., Delta Co.	22,576	27,100	120%	
Village of Caseville, Huron County	1,360	6,998	515%	
City of Lansing, Ingham County	20,800	22,426	108%	
Isabella County	8,099	1,524	19%	
Southeastern Oakland Co. Res. Rec. Auth.	432,000	112,931	26%	
Total	492,419	192,984		
Average			180%	
Composting (CP)				
City of Sault Ste. Marie, Chippewa County	2,625	2,483	95%	
Dickinson Solid Waste Mgmt. Auth.	17,500	8,940	51%	
Village of Vermontville, Eaton County	651	279	43%	
City of Davison, Genesee County	4,300	19,277	448%	
Gogebic Range SWMA, Gogebic County	2,520	1,400	56%	
Grand Traverse County	40,230	1,593	4%	No reports since 1997
Clearbrook Companies, Kalkaska County	10,688	7,426	69%	
City of Mackinac Island, Mackinac County	N/A	N/A	N/A	No reports submitted
Indian Summer Recycling, Macomb County	120,000	107,355	89%	No reports 1993, 1998-2000
City of Manistee, Manistee County	48,000	210,467	438%	
City of Negaunee, Marquette County	552	1,556	282%	
Village of Edmore, Montcalm County	315	352	112%	

Table V-A SWAP Diversion Rates - Composting

Category				
Project/County	Total Project Diversion Goal To Date (Tons)	Total Amount Diverted To Date (Tons)	Percentage of Goals Achieved# To Date	Comments
City of Fremont, Newaygo County	3,600	3,050	85%	
City of Madison Heights, Oakland County	N/A	23,089	100%	No reports since 1997
Village of Pentwater, Oceana County	10,668	8,924	84%	
Able Sanitation, Inc., Ottawa County	32,850	36,929	112%	Closed 2/28/1996
Eagle Ottawa Newaygo Farms, Inc., Ottawa Co.	105,000	60,710	58%	
Spring Lake/ City of Ferrysburg, Ottawa Co.	48,410	3,494	7%	
Denton Township, Roscommon County	20,100	21,459	107%	
City of Saginaw, Saginaw County	74,669	129,370	173%	
City of Laingsburg, Shiawassee County	1,200	1,681	140%	No reports since 1998
City of Algonac, St. Clair County	5,831	4,657	80%	
Village of Capac, St. Clair County	550	1,998	363%	
City of Three Rivers, St. Joseph County	28,932	97,729	338%	
City of Ann Arbor, Washtenaw County	190,440	128,035	67%	
Ypsilanti Township, Washtenaw County	40,500	53,745	133%	
City of Detroit, Wayne County	160,000	36,003	23%	
City of Trenton, Wayne County	67,630	51,012	75%	
Western Twps Utilities Auth., Wayne County	36,000	57,863	161%	No reports for 1993, 1995
City of Mackinac Island, Mackinac County	21,510	No reports	N/A	
Total	1,095,271	1,080,876		
Average			135%	

Table V-A SWAP Diversion Rates - Composting

Category				
Project/County	Total Project Diversion Goal To Date (Tons)	Total Amount Diverted To Date (Tons)	Percentage of Goals Achieved# To Date	Comments
Market Development (MD)				
Southeastern Oakland Co. Res. Rec. Authority	216,000	No reports	N/A	
Total	216,000	N/A	N/A	
Grand Total	1,803,690	1,273,860		
Overall Average			158%	
# Total Amount Diverted to Date /Total Project Diversion Goal to Date				

Table VII Number of Jobs Created by SWAP by Category

Category	Jobs
CP	38.5
ED	29
HHWC	6
MD	134
MDRD	0
RP	128.5
SP	0
TSC	22
WRRD	0
WTE	0
Total	358

Information from DEQ SWAP Database

IV. SUMMARY

The concern for long term solid waste capacity that prompted the state of Michigan to adopt a comprehensive Policy in 1988 and the Legislature to authorize the establishment of the SWAP to implement that Policy has been altered by the unforeseen events in the solid waste industry such as the unrestricted interstate and international importation of solid waste. However, there can be no question that SWAP funded projects made the general public, private industry, and local governmental bodies throughout Michigan more aware of their responsibilities to safeguard the environment through proper management of solid waste and provided the equipment, technology, and expertise to accomplish that goal. Many of these projects would not have been undertaken without the technical and monetary support from the state.

The SWAP projects have diverted over 6.7 million tons of solid waste from Michigan disposal areas. It funded the closure of unregulated, environmentally unsafe, local dumps throughout Michigan. The SWAP funded the establishment of transfer stations, recycling collection areas, material recovery facilities, processing plants, and composting sites for the efficient transportation, reclamation, recycling, and proper disposal of solid waste. It encouraged the formation of a statewide infrastructure for the collection and distribution of recyclable materials such as cardboard, old newspapers, mixed office waste, plastic containers, etc. for reuse and/or remanufacturing into new products. The SWAP removed household hazardous waste from disposal in landfills and incinerators and redirected this waste for proper, environmentally sound disposal. The program funded the creation of new products made from recycled materials and the establishment of markets for these products. The SWAP projects increased domestic employment opportunities for the people of Michigan. In addition, the knowledge and experience gained from SWAP projects is available to be exported to other states and countries. The SWAP has accomplished the goal of reducing Michigan's dependence upon sanitary landfills and incinerators for solid waste disposal as outlined in Michigan's Solid Waste Management Policy and in the process, resulted in improving the environment.