



APPENDIX A

ADDITIONAL INFORMATION REGARDING THE SELECTED SYSTEMS

- Evaluation of Recycling
- Detailed Features of Recycling and Composting Programs
- Coordination Efforts
- Costs and Funding
- Evaluation Summary of the Selected System
- Advantages and Disadvantages of the Selected System

EVALUATION OF RECYCLING

The following provides additional information regarding implementation and evaluation of various components of the Selected System.

In order to evaluate the current system and identify needs for future programming, the Solid Waste Planning Committee conducted a "SWOT" process - identifying strengths, weaknesses, opportunities, and threats of the current solid waste management system. This process spanned the course of several meetings, a summary of which follows:

SWOT DISCUSSION TOPICS

Washtenaw County Solid Waste Planning Committee | Summary/Compilation of All Sessions

The following specific areas were discussed:

1. Solid Waste Collection & Disposal

Strengths:

- Lots of regional landfill capacity
- Very accessible and low costs
- Very few landfills
- Competitive environment for service providers

Weaknesses:

- No clear incentive programs for waste diversion
- Reluctance by municipalities to switch to more efficient single hauler contracts
- Too frequent collection of solid waste
- Lack of data to understand effectiveness of clean-up days, drop-off station diversion
- Cheap disposal challenges waste diversion efforts
- Too many trucks on the road; impact on infrastructure
- Public opposition to landfill siting and operations

Opportunities:

- Organics collection
- Better data collection and metrics related to diversion costs and benefits
- Expanding landfill will keep prices low with regional competition
- Get recyclables out of trash
- Find a way to "require" recycling from various trash haulers

Threats:

- Commodity prices
- Landfills are too cheap
- Lobby to bury organics

2. Residential Recycling (Drop-Off & Curbside)

Strengths:

- Availability of single stream, curbside services, and use of carts
- Comprehensive programs accept numerous materials between curbside and drop-off programs
- Urban and suburban single-family units receive good service
- All single-family and multi-family units in Ann Arbor have recycling
- City of Chelsea's "pay as you throw" trash service encourages recycling
- Current programs reduce dependence on landfill

Weaknesses:

- Materials accepted are not uniform across the entire County
- Poor measurement of diversion by recycling
- Competing messages from coordinating public and private groups
- Lack of partnerships in County
- Contamination in recycling stream
- Lack of education to residents
- Lack of funding and financing for programs
- Lack of legislation and state support
- Different levels and no consistency of services across the County
- Costs for curbside service in rural areas is more expensive compared to urban/suburban service areas

Opportunities:

- Residents are willing to do the right thing
- Options for bulky waste and other materials not collected at curbside
- Opportunity for food waste diversion
- More education that is county wide
- More consistent messages and services
- Participation incentives for residents
- Construction and Demolition materials
- Instate markets for materials like plastic and paper
- Options for reporting and tracking data
- Opportunities for partnerships
- Online information more accessible
- Governor's recycling support

Threats:

- End markets
- Commodity prices
- Cheap landfill rates
- Lack of funding
- Lack of willingness to introduce taxes to support services
- Need to change mindsets, attitudes, and behaviors of all stakeholders

3. Commercial Recycling

Strengths:

- Ordinances to mandate recycling (similar to Ann Arbor) is a strong driver
- If done correctly, program can lower costs for the business
- County's Waste Knot business recognition program
- Services are available from service providers

Weaknesses:

- No County ordinance in place
- Limited resources to support commercial recycling effort from data, staffing, and funding
- Lack of incentives to entice businesses
- Challenges within businesses - employee turnover, costs, absentee site managers, contracts for janitor services do not include recycling or education
- Commercial recycling program
- More challenges for small businesses
- Understanding of voluntary versus required programs

Opportunities:

- Opportunities for collaboration
- Pilot programs with County, Recycle Ann Arbor, WISD food waste and recycling
- Work to improve regional opportunities and participation and recovery in Ann Arbor
- Develop resources and support such as posters and education materials, partnering with county sanitarians to hand out materials, and local case studies or voluntary certifications

Threats:

- End markets
- High contamination
- Long term and short term costs are high
- Lack of municipal support
- Accessibility - are services available?
- Space constraints for recycling

4. Yard Waste/Food Waste/Composting

Strengths:

- City of Ann Arbor collection diverts a lot of leaf waste from particular places
- Ann Arbor compost site has capacity for growth and is well managed
- City of Chelsea is also making efforts in compost
- Yard waste infrastructure is strong
- Keeps methane out of the landfill
- Food waste is gaining interest from residential and commercial sectors
- Ann Arbor currently has a residential food waste diversion program
- Food waste programs in UM residence halls

Weaknesses:

- Limited access to yard waste services
- Lack of infrastructure for food waste collection and processing
- Food waste currently not allowed in stream
- Commercial programs are limited or do not have access
- County is lagging behind in yard waste services
- Ann Arbor could be a model

Opportunities:

- Markets for finished yard waste compost: MDOT, landscapers, residential/homeowners
- Options for food waste in residential stream and special events and outdoor festivals
- Service providers can get on board
- New technologies for food waste are available such as biodigesters
- Food waste is large portion of the waste stream (and large weight)
- Momentum and interest in the community, such as Farm to School projects

Threats:

- Improper management of compost facilities that lead to odors, complaints
- Similar concerns around residential collection (odors)
- Competing interests with landfills
- Infrastructure for food waste composting is lacking

5. Construction & Demolition (C&D) Waste

Strengths:

- Access for recovery through Recycle Ann Arbor's Drop Off Station, Reuse center and C&D facility
- No C&D landfills in the County
- C&D recycling can add points towards LEED certification process

Weaknesses:

- No expectation, requirement or incentive for diverting C&D
- Limited awareness to the value of C&D diversion
- Requires a lot of capital to start and run a C&D facility
- Contamination from hazardous materials like lead
- LEED points are very minimal
- Lack of information to include in contracts

Opportunities:

- County could adopt an ordinance to require minimum level of recovery on jobs of a certain size
- More C&D infrastructure
- Expand current options at drop off station, and other locations
- Training and certification of contractors and building operators
- Large amount of material available to be recovered
- Conduct a feasibility study within the county

Threats:

- Cheap landfill rates
- Costs to recover C&D are high
- Lack of understanding of the benefits
- It is a hard business to operate and make work

6. County Coordinated Programs

Strengths:

- Large variety of materials accepted
- Community clean up days are well attended and is convenient for most users
- Cost per user continues to decrease
- Vital function for some communities
- Great program

- Radio and cable programs are excellent
- Public-private partnerships
- County website information

Weaknesses:

- Long wait times at community events
- Clean up days operating costs are expensive
- Saturday volunteers are key to success at Zeeb Road
- Limited access
- More hours or operation on Saturday could reduce wait times

Opportunities:

- Pilot Custodian Recycling Certification
- Create template posters and brochures on key issues/programs in multiple languages to assist with flattening cardboard boxes
- Require communities that receive any funding or support from County to include a free language translator program on its website
- Review costs and benefits of community clean up versus other service delivery models
- Opportunities with schools on recycling education and outreach
- Outsource service to make more accessible
- Have two sites in the county added for more convenience
- More hours or operation on Saturdays to reduce wasted time

Threats:

- Lack of funding for maintaining current initiatives or adding new ones
- More diversion could equate to more costs in a down market

The Solid Waste Planning Committee also summarized the proper components of a solid waste management system to be successful. The rating system for each component was determined as high, moderate, or low and is described below.

- High: indicates that the component is strong for Washtenaw County. For example, under “Collection”, with 67% of the population covered by regular collection services, collection is considered high.
- Moderate: indicates that the component could use some improvement. For example, under “Policy”, there are policies in place, but they are limited, indicating that more could be implemented or those in place could be strengthened or expanded upon.
- Low: indicates that the component is not satisfactory, or is not controlled by the County. For example, under “End Markets”, there are not any end markets located in the County (so a low rating), and the strength of end markets is not something the County has direct control over.

Programs should attempt to achieve “high” rankings in at least 4/6 of the categories to ensure a successful program because no single component is more important than others; rather, it is the relationship across these factors working together that produce the best results for programs. The following table is a review of Washtenaw County’s program aligned with these components.

Table 25. Key Components Evaluation Summary

Key Component	Details	Rating
Collection	67% of county population are covered by contracted or city provided services.	High
Processing	In-county - City MRF, WWRA Out of county - ReCommunity	High
End Markets	Current markets are not ideal; Glass is challenge; Not necessarily something County can control	Low
Education & Engagement	From Community Profiles, four communities provided information about providing education/outreach to residents. City of Ann Arbor - \$3.06 per household; Pittsfield Twp - \$0.02 per household; City of Saline - Qtrly residential newsletter; Superior Twp - \$0.30 per household, paid by hauler. Public survey feedback and public comment indicate the residents are not always aware of County programs, when asked.	Low/Moderate
Supporting Policy	State Policies: Yard Waste Ban Local Policies: City of AA Commercial recycling ordinance; Pay (or Save) as You Throw (PAYT)	Moderate/Low
Public -Private Partnerships	WCCSWM, County programs such as Pharmaceutical Take-back, Boat Shrink Wrap program	Moderate/High

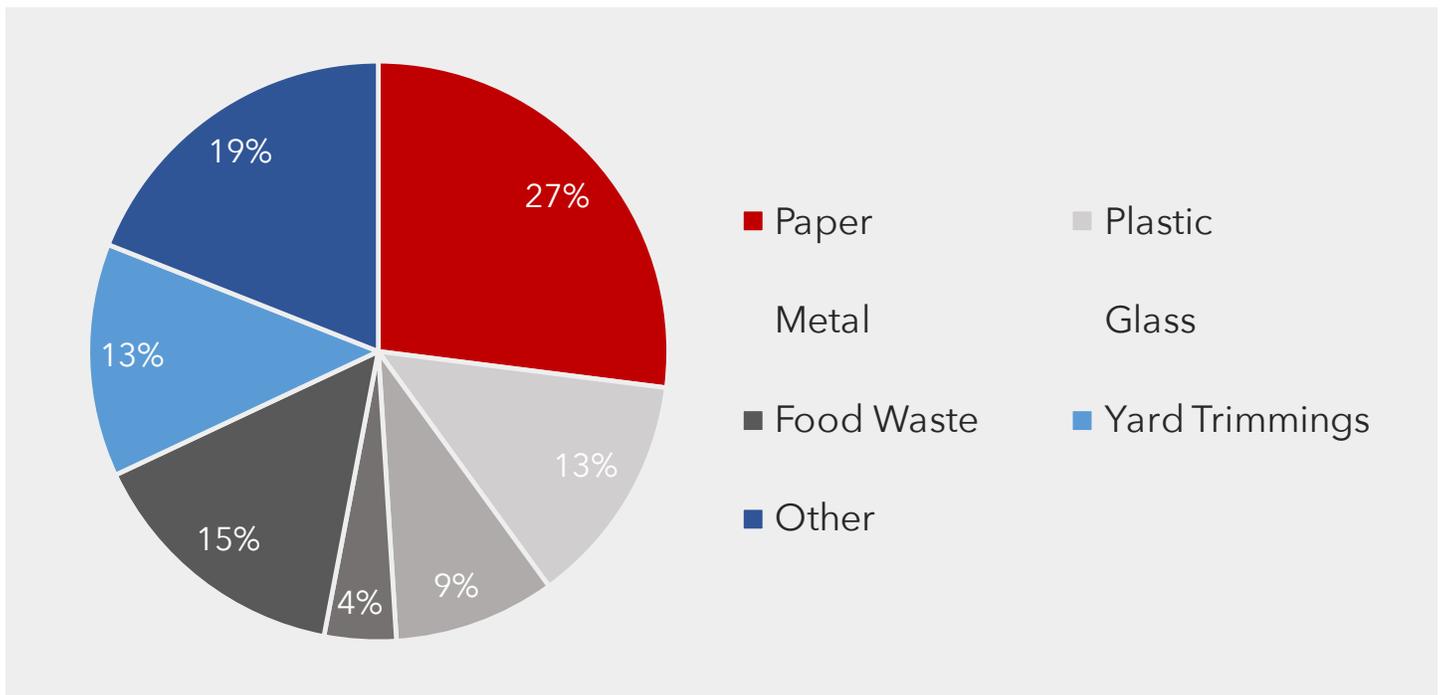
DETAILED FEATURES OF RECYCLING AND COMPOSTING PROGRAMS

Kinds and volume of material in solid waste stream that will be recycled or composted. Details regarding equipment selection, site availability and selection and composting operating parameters.

Currently, Washtenaw County does not track the amount of different types of materials being recycled and composted throughout the County. Part of the Plan amendment calls upon development of improved data collection and measurement.

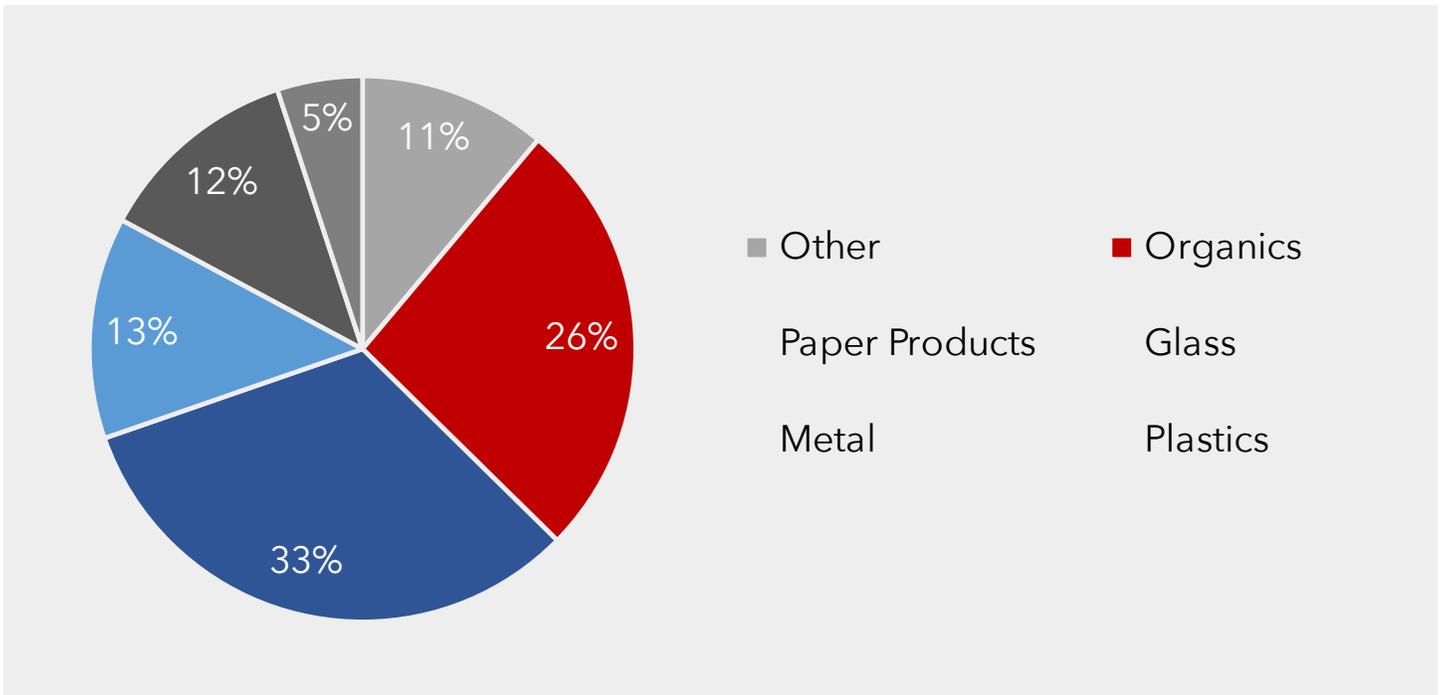
Figure 7 categorizes the County's total waste generation (in tons) for 2015 by material by applying the EPA's 2013 data on MSW Generation. The "other" category includes wood waste, rubber, textiles, leather, tires, and batteries.

Figure 7. Washtenaw County MSW Generation Estimated with EPA 2013 Data



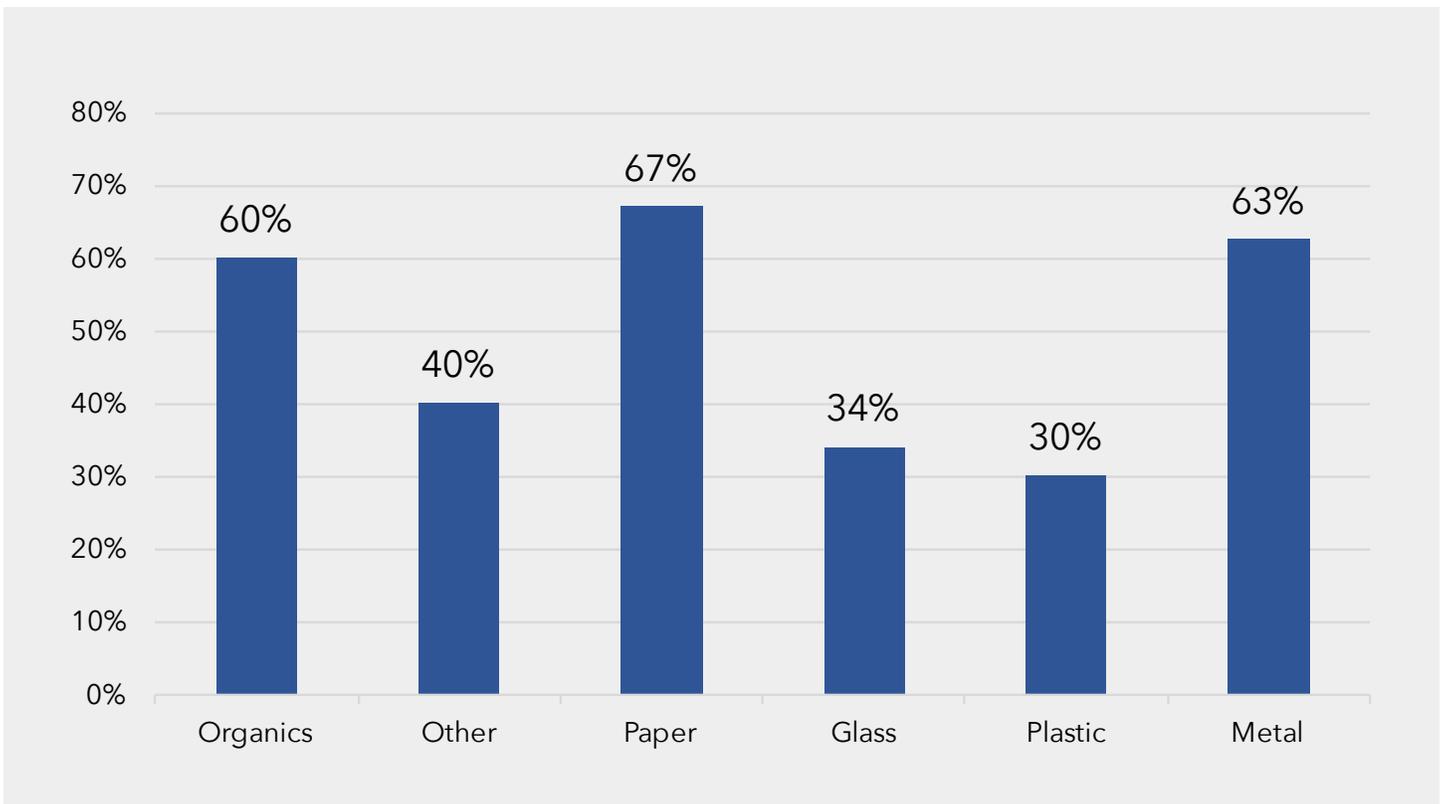
Existing data from the Michigan Recycling Index (MRI) Report (May 2015) and the Environmental Protection Agency (EPA) can provide guidance in setting goals toward increasing diversion and recovery. The MRI report identified the composition of the recycling stream by material gathered from programs across the state (Figure 8). The EPA data on recycling rates of selected products highlights the potential to recover more compared to what is currently going on statewide (Figure 9). As Washtenaw County's data and measurement evolves, this information can be applied.

Figure 8. Percent Composition of Recycling Material in the State of Michigan



Source: Michigan Recycling Index Report, 2015

Figure 9. Recycling Rates of Selected Products - 2013



Source: EPA, 2013

DETAILS REGARDING EQUIPMENT SELECTION, SITE AVAILABILITY AND SELECTION AND COMPOSTING OPERATING PARAMETERS.

Details are expressed in other sections of Plan.

- Overview of Resource Recovery Programs: 73- 74
- Facility Descriptions: 17-40

COORDINATION EFFORTS

Solid Waste Management Plans need to be developed and implemented with due regard for both local conditions and the state and federal regulatory framework for protecting public health and the quality of the air, water, and land. The following states the ways in which coordination will be achieved to minimize potential conflicts with other programs and, if possible, to enhance those programs.

It may be necessary to enter into various types of agreements between public and private sectors to be able to implement the various components of this solid waste management system. The known existing arrangements are described below which are considered necessary to successfully implement this system within the County. In addition, the proposed arrangements are recommended which address any discrepancies that the existing arrangements may have created or overlooked. Since arrangements may exist between two or more private parties that are not public knowledge, this section may not be comprehensive of all of the arrangements within the County. Additionally, it may be necessary to cancel or enter into new or revised arrangements as conditions change during the Planning period. The entities responsible for developing, approving, and enforcing these arrangements are also noted.

Ultimate responsibility for implementing the Solid Waste Management Plan rests with the Washtenaw County Board of Commissioners as part of its duties of general governance. The BOC has charged the Washtenaw County Department of Public Works (DPW) with monitoring the Plan and ensuring the intent of the Plan is followed.

COSTS AND FUNDING

The following identifies potential funding sources that could be utilized to meet the necessary management, capital, and operational and maintenance requirements for each applicable component of the solid waste management system.

Each community within Washtenaw County facilitates its own method of coordinating solid waste collection and disposal. Many communities allow their residents to individually contract with a service provider. Some communities choose to negotiate a community contract with a service provider to collect and dispose of a community's waste. A few communities have chosen to fund their own services through a combination of the following funding options. The Washtenaw County Department of Public Works supports many community programs with the Advanced Disposal capacity fee that is collected by the County.

1. Volume Based Fee Structures (commonly referred to as "Pay-As-You-Throw")

Generators pay in proportion to the amount of waste they set out for collection. Volume based rate systems typically require that residents purchase special bags or stickers, or they offer generators a range of service subscription levels. When generators pay for the amount of waste they produce, they have an incentive to reduce it.

2. Special Assessments through Public Act 185 and Public Act 188

Municipalities, or the Washtenaw County Board of Public Works at the request of a municipality, could establish special assessments, to fund local solid waste and recycling programs. The special assessment must be linked to a benefit to the property owner and would be collected through the property tax bill.

3. Hauler Licensing

With its existing authority under the state Public Health Code, the County may adopt policies or ordinances to regulate haulers and establish associated fees for public health purposes; or, with the participation of individual local units of government, the County may create a licensing program and establish fees for haulers operating within the County.

4. Countywide Ordinances

Under the County's existing authority, the County has the ability to adopt policies or ordinances in furtherance of Plan goals, such as to establish fees for landfill surcharges and County provided services, or with the participation/cooperation of individual local units of government for other solid waste and recycling related programs.

5. Public Act 138 (limited to residential households)

A county, through an inter-local agreement with municipalities, may impose a surcharge on households within the county of not more than \$2.00 per month or \$25 per year per household for waste reduction programs and for the collection of consumer source separated materials for recycling, composting, or household hazardous waste.

6. Matching Contributions of Funds from Municipalities

Pooling of resources from municipalities may be an option to fund regional programs.

7. Other Financing Mechanisms as Identified

- a. Product Stewardship and/or Extended Producer Responsibility (EPR policies have been shown to significantly decrease costs to local governments for end-of-life management of a myriad of products, including electronic waste, hazardous household waste, latex paint, pharmaceuticals, carryout containers, etc. This approach shifts the cost burden from tax-funded local governments to the producers.)
- b. Private-public partnerships can provide long-term, sustainable funding mechanisms.

EVALUATION SUMMARY OF THE SELECTED SYSTEM

The solid waste management system has been evaluated for anticipated positive and negative impacts on the public health, economics, environmental conditions, siting considerations, existing disposal areas, and energy consumption and production which would occur because of implementing this Selected System. In addition, the Selected System was evaluated to determine if it would be technically and economically feasible, whether the public would accept this Selected System, and the effectiveness of the educational and informational programs. Impacts to the resource recovery programs created by the solid waste collection system, local support groups, institutional arrangements, and the population in the County in addition to market availability for the collected materials and the transportation network were also considered. Impediments to implementing the solid waste management system are identified and proposed activities that will help overcome those problems are also addressed to assure successful programs. The Selected System was also evaluated as to how it relates to the Michigan Solid Waste Policy's goals. The following summarizes the findings of this evaluation and the basis for selecting this system:

ENVIRONMENTAL CONDITIONS AND PUBLIC HEALTH

Positive impacts to the County's environmental condition are expected to occur because of the Selected System. The continuing and increased emphasis on waste reduction and reuse will decrease the amount of materials being landfilled and recycled. The decrease in materials being disposed of in area landfills will reduce the need for a County's landfill space. Increased composting will produce nutrient rich material for agricultural uses, potentially reducing the amount of chemicals being used.

SITING CONSIDERATIONS

The Selected System prioritizes diversion of recoverable materials over disposal to reduce the need for landfill space. Siting of a new landfill or incinerator will only be considered for determination of consistency as part of a state-required Plan update process or through a Plan amendment.

EXISTING DISPOSAL AREAS

The Selected System will have positive impacts on existing disposal areas. An increased emphasis will be placed on waste reduction and reuse for solid waste management, with landfilling being used as a last resort option. This process will help to maximize the County's use of landfill space and reduce the impact on the communities both within and neighboring the County.

ENERGY CONSUMPTION AND PRODUCTION

The Selected System's emphasis on waste reduction and reuse could potentially cause a decrease in energy consumption; by reducing and reusing waste items, the energy needed to produce and transport new materials is decreased. Landfill gas systems can produce energy by capturing and burning some of the methane.

TECHNICAL/ECONOMICAL FEASIBILITY

The Selected System is both technically and economically feasible for Washtenaw County. The County currently has the infrastructure in place to support recycling activities and access to facilities for waste landfilling options. The revenue the County receives from the Advanced Disposal, Inc. landfill provides funding for various waste reduction, reuse, and recycling activities. The Pay-As-You-Throw option of waste reduction will also provide economic incentives to County residents to employ more waste reduction and recycling practices. Furthermore, placing an emphasis on recycled-content product purchasing could create more markets for recyclable materials, thereby increasing the economic viability of recycling.

PUBLIC ACCEPTANCE

It is anticipated that the Selected System will be met with public acceptance as demonstrated through the public feedback survey made available during the planning process. Residents of both Washtenaw County and surrounding communities provided input about strengths, weaknesses, opportunities, and

threats of the current system. The feedback was included as part of the development of the Selected System, and aligns with Goals and Objectives developed in this Plan. Furthermore, Washtenaw County is an environmentally conscious county. It is anticipated that residents will embrace a system that puts an increased emphasis on waste reduction, reuse, and recycling, using landfilling as a last resort option for disposal.

EFFECTIVENESS OF THE EDUCATIONAL AND INFORMATIONAL PROGRAMS

Education and outreach already occurs at a local and County level, and this Plan seeks to build on the existing outlets, as well as identify areas for improvement to increase awareness and understanding of waste and recycling throughout the county to all audiences from households to businesses to government.

IMPEDIMENTS TO IMPLEMENTING THE SELECTED SYSTEM

The encumbrance of measuring waste reduction and reuse could impede the successful implementation of the Selected System. The difficulty in measuring the success of the waste reduction initiatives could prove to be an obstacle in defining which areas of the program need extra attention. If specific areas of weakness cannot be identified, then the success of the program might be compromised. An increased public education effort will need to take place in order to ensure a successful program. Furthermore, a method for more consistent and regular measurement will have to be developed and implemented.

OTHER IMPACTS

External factors will also play a role to increase diversion across the County. These external factors include partnerships, private investments, and market stability. Collaboration across County municipalities and neighboring counties and their communities will also be important to achieving the Goals and Objectives of this Plan.

ADVANTAGES AND DISADVANTAGES OF THE SELECTED SYSTEM

Each solid waste management system has pros and cons relating to its implementation within the County. Following is an outline of the major advantages and disadvantages for this Selected System.

ADVANTAGES:

- Clearly aligns with the established Goals and Objectives of the Plan.
- Material is diverted from the waste stream and prevented from landfill disposal.
- Reduced stress on natural resources, thereby extending the supply of raw materials.
- Avoided landfill disposal costs of diverted materials can be substantial.
- Land requirements for recycling and composting are minimal to moderate.
- Diverting organic materials to compost production and soil application is environmentally sound.
- There are no documented environmental hazards resulting from waste reduction and composting.
- An emphasis on purchasing recycled content products can create and expand markets for recycled materials.
- Collaboration can increase potential for new opportunities, shared costs, and working with communities within the County and with adjacent counties.
- Access and convenience can lead to increased diversion and improved user satisfaction of programs.

DISADVANTAGES:

- Data collection can be expensive.
- Quantifying waste reduction is very difficult.
- Public participation is required.
- Adequate education, ongoing promotional programs, and market development are required.
- Organization and implementation problems may exist with new programs.
- Cost-effectiveness varies with waste reduction, recycling, and composting programs depending on developing technologies, market value, volume of materials handled, and public participation.
- Landfills are a land-intensive disposal option.
- Creating new public education programs dealing with waste reduction are resource and labor-intensive activities.



APPENDIX B

NON-SELECTED SYSTEMS

Before selecting the solid waste management system contained within this Plan update, the County developed and considered other alternative systems. The details of the non-selected systems are available for review in the County's repository. The following section provides a brief description of these non-selected systems and an explanation of why they were not selected.

ALTERNATIVE #1: LARGE SCALE INCINERATION

One alternative that was considered and subsequently discarded was large-scale incineration. This option is not viable in Washtenaw County because the environmental degradation and human health risks associated with the operation of incinerators far outweigh the benefits.

The incineration of municipal solid waste can cause adverse health and environmental effects through air emissions, toxic ash residue, and the destruction of materials that could be recycled. The ash by-product from incineration still requires landfilling. This ash requires special handling and disposal due to its toxic nature. Air pollution and odor problems can be marginally reduced with the use of pollution control equipment, but this equipment is expensive and only reduces pollution to legally acceptable levels.

ADVANTAGES:

- Electricity or steam is produced, helping to offset operational and maintenance costs
- Minimal land requirements

DISADVANTAGES:

- Although sophisticated, mechanical systems have demonstrated operating difficulties
- Utilizes natural resources
- The cost-effectiveness of energy generation has not been proven
- Particulates and toxic fume emissions contribute to air pollution
- Environmental hazards associated with the disposal of bottom and fly ash from incinerators
- Design, operational procedures, and site development are complex under present regulations
- Public sentiment against incinerators can make siting and development difficult
- High maintenance requirements

SYSTEM COMPONENTS:

The following briefly describes the various components of the non-selected system.

RESOURCE CONSERVATION EFFORTS:

This system's primary focus is on incineration and no additional conservation efforts are proposed.

VOLUME REDUCTION TECHNIQUES:

This system utilizes incineration as a volume reduction technique. Incineration is viewed as a very effective way to reduce the volume of municipal solid waste.

RESOURCE RECOVERY PROGRAMS:

This system does not utilize resource recovery. Although the incineration of waste can be utilized to capture energy, practices such as reduction, reuse, and recycling are not put to use.

COLLECTION PROCESSES:

Each municipality in the County is responsible for coordinating its own collection of disposable and recyclable materials. This can be done by either the municipality itself, or through a private waste hauler.

TRANSPORTATION:

Municipalities and/or individuals coordinate transportation of municipal solid waste. Transportation can be provided by the municipality, or by the contracted private waste hauler. Large-scale incineration eliminates the need for transportation to locations other than the incinerator.

DISPOSAL AREAS:

Washtenaw County's municipal solid waste is disposed at different landfills in Southeast Michigan. This system would create lower disposal requirements because of the large-scale waste reduction provided by incineration.

INSTITUTIONAL ARRANGEMENTS:

Currently, solid waste management is shared between the public, private, and non-profit sectors. In the case of this alternative, current collection, processing, and disposal infrastructure will need to be reduced and/or modified to accommodate an incineration system.

EDUCATIONAL AND INFORMATIONAL PROGRAMS:

Educational efforts, focused primarily on recycling and composting, are in practice throughout the County. Because the non-selected system does not utilize recycling and composting, current educational programs need to be modified to reflect the new incineration program component.

CAPITAL, OPERATIONAL, AND MAINTENANCE COSTS:

There are currently no large scale, licensed, and permitted municipal solid waste incinerators operating within the County. Siting, developing, and operating a new facility would be cost prohibitive.

EVALUATION SUMMARY OF NON-SELECTED SYSTEM:

The non-selected system was evaluated to determine its potential of impacting human health, economics, environmental, transportation, siting and energy resources of the County. In addition, it was reviewed for technical feasibility, and whether it would have public support. Following is a brief summary of that evaluation along with an explanation for why this system was not chosen for implementation.

HUMAN AND ENVIRONMENTAL HEALTH:

The non-selected system is based on incineration, which diverts items from landfill disposal. The decrease in landfilled items reduces the need for additional landfill space. However, incineration has raised concerns about the levels of toxic materials emitted by incinerator smokestacks and the levels of heavy metals found in incinerator ash, and the resulting decrease in ambient air quality.

ECONOMICS:

The non-selected system is not an economically feasible option for the County due to the high cost of siting, constructing, and operating a new incinerator facility. Incineration also greatly reduces the market for recovered materials, causing this sector of the County's economy to weaken.

TRANSPORTATION:

The non-selected system will not demand an increase in the County's transportation infrastructure.

SITING:

The non-selected system will require the siting and development of a new facility; however, incinerators are an unauthorized disposal area under this Plan.

ENERGY RESOURCES:

The non-selected system has the potential to harness energy from the burning of waste. However, the non-selected system will also decrease the amount of resource recovery and reuse occurring within the County, both of which reduce the amount of energy put into production of new goods.

TECHNICAL FEASIBILITY:

The design and construction of a new incinerator facility is a technically feasible option for County solid waste disposal.

PUBLIC ACCEPTANCE:

Washtenaw County has long been viewed as progressive concerning matters of the environment, and residents within the County expect a certain level of environmental improvement. However, large-scale incineration does not achieve this level because it does not provide any enhancements to the current system and because it is expected to degrade air, water, and land quality throughout the County. Therefore, this system would most likely be met with skepticism and strong opposition.

ALTERNATIVE #2: SANITARY LANDFILL ONLY

Alternative #2 would utilize sanitary landfilling as the sole method of municipal solid waste management. This alternative was not selected because it does not allow the County to foster and expand its many waste reduction, reuse, and recycling programs. Through these programs, the County is reducing both the amount of landfill space required in the future and long-term disposal costs. The County and its local communities have made significant investments to design, implement, operate, maintain, and expand programs that increase sustainable materials management, waste prevention and recovery rates. As such, it is more practical to adopt a plan that maximizes waste diversion rather than disposal. A sole reliance on sanitary landfilling would be a poor use of the existing infrastructure and equipment in the County.

While modern landfills are well-engineered and actively managed compared to unregulated dumping grounds of the past, using landfilling as a primary means of solid waste management increases the occurrence of adverse human and environmental health effects. The increased volume and complexity of the solid waste stream has increased concerns regarding environmental and public health hazards both while actively operating and also once closed, reducing public acceptance of this disposal option.

ADVANTAGES:

- Abundance of landfill space in southeastern Michigan
- County has guaranteed landfill capacity for a minimum of 10 years within the County, with additional capacity available at landfill facilities located in other counties
- Low tipping fees make disposal at landfills an attractive option

DISADVANTAGES:

- Land-intensive option
- Once used as a sanitary landfill, the value of land is low and future use options are limited
- Potential exists for adverse effects on the quality of life and property values of neighbors
- Design, site development, and operational procedures are complex under present regulations
- Waste transportation can be economically inefficient and ecologically harmful
- Public sentiment can further reduce available sites
- Long-term monitoring of site required after facility is closed
- Increased potential for groundwater contamination

SYSTEM COMPONENTS:

The following briefly describes the various components of the non-selected system.

RESOURCE CONSERVATION EFFORTS:

The non-selected system requires the destruction of large tracts of land, which disturbs ecological habitats and environmental health. As a result, sole reliance on sanitary landfilling does not incorporate any sustainable materials management efforts.

VOLUME REDUCTION TECHNIQUES:

This system does not incorporate any volume reduction techniques.

RESOURCE RECOVERY PROGRAMS:

This system does not incorporate any resource recovery programs, for which the County has a strong infrastructure in place. Recycling programs would quickly become obsolete, demanding a shift in solid waste management practices, such as elimination of materials recovery facilities.

COLLECTION PROCESSES:

Each municipality in the County is responsible for coordinating its own collection of municipal solid waste. This can be done by either the municipality itself, or through a private waste hauler. Collection infrastructure will not decrease in size, but will require modification to eliminate recycling collection programs.

TRANSPORTATION:

Municipalities and/or individuals coordinate transportation of MSW. Transportation can be provided by the municipality or by a contracted private waste hauler. This alternative will not demand an increase in the County's transportation infrastructure. In fact, it will remain the same or decrease due to the elimination of curbside collection routes and recycling drop-off programs.

DISPOSAL AREAS:

Washtenaw County's MSW is disposed at different landfills in Southeast Michigan. Because the non-selected system eliminates the current diversion rate, the amount of landfill space needed in the future will increase. This may demand additional disposal areas in the future.

INSTITUTIONAL ARRANGEMENTS:

The institutional arrangements necessary for this alternative are currently in place throughout the County.

EDUCATIONAL AND INFORMATIONAL PROGRAMS:

Educational efforts, focused primarily on recycling and composting, are in practice throughout the County. Because the non-selected system does not support the enhancement or expansion of waste reduction, recycling, and composting activities, no new programs need be enacted and some existing programs may be discarded.

CAPITAL, OPERATIONAL, AND MAINTENANCE COSTS:

Capital costs will not be incurred because all aspects of the non-selected system are currently in place.

EVALUATION SUMMARY OF NON-SELECTED SYSTEM:

The non-selected system was evaluated to determine its potential of impacting human health, economics, environmental, transportation, siting and energy resources of the County. In addition, it was reviewed for technical feasibility, and whether it would have public support. Following is a brief summary of that evaluation along with an explanation of why this system was not chosen for implementation.

HUMAN AND ENVIRONMENTAL HEALTH:

The non-selected system is based solely on landfilling. Although reliance on landfilling increases the potential for land contamination, land disposal is provided by modern landfills that have successful methods for prohibiting the migration of leachate outside of their boundaries.

ECONOMICS:

This alternative is economically feasible because all aspects are currently in practice within the County.

TRANSPORTATION:

The non-selected system will not impact transportation within the County because the infrastructure is already in place.

SITING:

Based on available disposal capacity at the time of this Plan, this alternative does not require the siting of any new facilities (sanitary landfills, incinerators, transfer stations, or materials recovery facilities; however solely utilizing landfills to handle all waste and recyclables may require additional facilities to be sited in the future.

ENERGY RESOURCES:

This modern landfill uses a methane gas recovery system to turn landfill byproducts (methane gases into useful resources (energy. However, the non-selected system will not increase the levels of waste reduction and reuse within the County. Waste reduction and reuse, unlike recycling and landfilling, reduce the need for new products, which saves production energy.

TECHNICAL FEASIBILITY:

This alternative is technically feasible.

PUBLIC ACCEPTANCE:

The public made it very clear that more landfills are not the solution. Throughout the planning process, the public provided extensive feedback and opposition to the only landfill in Washtenaw County. To rely on landfills as the sole option of handling waste would be met with strong opposition.

ALTERNATIVE #3: WASTE REDUCTION, RECYCLING, AND COMPOSTING WITH SANITARY LANDFILL THAT MAINTAINS CURRENT RECOVERY LEVELS

Alternative #3 is essentially maintaining the current system of waste reduction, recycling, composting and disposal that is currently in place. It utilizes existing programs and infrastructure, and maintains current recovery levels.

Alternative #3 was not selected because the County has made a commitment to further reduce the volume of solid waste through enhanced waste prevention, reuse, recycling, and composting initiatives. New and expanded programs coupled with technological advancements will allow the County to achieve an improved diversion rate during the span of this Plan.

ADVANTAGES:

- Utilizes existing infrastructure and equipment
- Allows for participation from County residents
- Current system is designed to meet the needs of the community

DISADVANTAGES OF MAINTAINING CURRENT SYSTEM AND RECOVERY LEVELS:

- Current recovery levels are not at the optimal point for maximum waste diversion

SYSTEM COMPONENTS:

The following briefly describes the various components of the non-selected system.

RESOURCE CONSERVATION EFFORTS:

While the non-selected system's primary focus is on recycling, various waste reduction and reuse efforts are also incorporated. Waste reduction and reuse reduce the amount of energy put into the production of new goods, which conserves raw materials and energy. A diversion rate of 30% or more may also reduce the need for future landfill space, which would save large tracts of land from destruction.

VOLUME REDUCTION TECHNIQUES:

This alternative does not incorporate volume reduction techniques.

RESOURCE RECOVERY PROGRAMS:

The non-selected system has a diversion rate goal of 33%, which is the current diversion rate. All 28 County municipalities have access to curbside and/or drop-off recycling programs, operated by either the municipality itself, a private hauler, or both. The County currently has a very strong infrastructure in place for resource recovery. In order to move beyond a 33% diversion rate, participation rates will need to increase.

COLLECTION PROCESSES:

Each municipality in the County is responsible for coordinating its own collection of recyclable materials. This can be done by either the municipality itself, or through a private waste hauler. The infrastructure for collection is already in place.

TRANSPORTATION:

Transportation of both municipal solid waste and recyclables is coordinated by municipalities and/or individuals, and is already in place for the County. Transportation can be provided by the municipality or by the contracted private waste hauler. The volume of transportation traffic may increase with population growth, or with increased community participation in recycling programs.

DISPOSAL AREAS:

Washtenaw County's municipal solid waste is disposed at different landfills in Southeast Michigan.

INSTITUTIONAL ARRANGEMENTS:

The institutional arrangements necessary for this alternative are currently in place throughout the County.

EDUCATIONAL AND INFORMATIONAL PROGRAMS:

Educational efforts, mainly aimed towards recycling and composting, are in practice throughout the County. Since the non-selected system does not require the expansion or enhancement of waste reduction, recycling, and composting activities, no new types of programs need be enacted.

CAPITAL, OPERATIONAL, AND MAINTENANCE COSTS:

Capital costs will not be incurred because all aspects of this alternative are currently in place. Other operational and maintenance costs are covered by the municipalities and/or revenue from the Arbor Hills Landfill.

EVALUATION SUMMARY OF NON-SELECTED SYSTEM:

The non-selected system was evaluated to determine its potential of impacting human health, economics, environmental, transportation, siting and energy resources of the County. In addition, it was reviewed for technical feasibility, and whether it would have public support. Following is a brief summary of that evaluation along with an explanation for why this system was not chosen to be implemented.

HUMAN AND ENVIRONMENTAL HEALTH:

This system places heavy emphasis on resource recovery, which diverts items from landfill disposal. The decrease in landfilled items reduces the need for additional landfill space, therefore decreasing the potential for adverse human and environmental health impacts through ground and surface water contamination. In addition, modern landfills have greatly improved methods for prohibiting the migration of leachate outside of their boundaries. Also, the Home Toxics Reduction Program allows citizens to easily remove toxic substances from their homes without jeopardizing the health of the local environment.

ECONOMICS:

This alternative is economically feasible because all aspects are currently in practice within the County.

TRANSPORTATION:

The non-selected system will not impact transportation within the County because the transportation infrastructure is already established.

SITING:

This alternative will not require the siting of any new facilities (sanitary landfills, incinerators, transfer stations, or materials recovery facilities due to its non-expansive nature.

ENERGY RESOURCES:

The non-selected system utilizes sanitary landfills. This modern landfill uses a methane gas recovery system to turn landfill byproducts (methane gases) into useful resources (energy). However, waste reduction and reuse levels will remain constant within the County. These processes reduce the need for new products, whose manufacture requires energy input, thereby causing energy usage to decrease only slightly in the County.

TECHNICAL FEASIBILITY:

Since the non-selected system is already in place within the County, it is a technically feasible option.

PUBLIC ACCEPTANCE:

This alternative consists only of activities already in place within the County. It requires no expansion or enhancement of these practices. Washtenaw County has long been viewed as progressive concerning matters of the environment and residents within the County expect a certain level of environmental improvement. However, the current system of waste reduction, recycling, and composting with sanitary landfilling does not achieve this level because it does not provide any enhancements. Therefore, it is believed that this system will not be widely accepted throughout the County.



APPENDIX C

PUBLIC INVOLVEMENT PROCESS

A description of the process used, including dates of public meetings, copies of public notices, documentation of approval from Solid Waste Planning Committee, County Board of Commissioners, and municipalities.

PLANNING COMMITTEE APPOINTMENT PROCEDURE

On February 9, 2015, Washtenaw County received a formal letter from Advanced Disposal Services requesting expansion at their Washtenaw County-based Arbor Hills Landfill, which prompted the amendment process for the Washtenaw County Solid Waste Management Plan.

In response to the request for expansion letter, on April 15, 2015, the Washtenaw County Board of Commissioners passed Resolution #15-0077 to authorize Washtenaw County to send Notice of Intent to the Michigan Department of Environmental Quality to amend its 1999 Solid Waste Management Plan.

Advertisements, public notices and press releases soliciting letters of interest and resumes for appointment to the Solid Waste Planning Committee were disseminated (see "Public Notice, original call for SWPC Members" document).

The County Board of Commissioners reviewed resumes received and appointments were made on July 1, 2015 by Resolution #15-0121.

On October 27, 2015 and February 9, 2016, respectively, Solid Waste Planning Committee members JD Lindeberg ("General Public" seat) and Jon Tulman ("Alternate" seat) submitted letters of resignation. As such, a second notice soliciting letters of interest and resumes to fill the two vacant seats of the Solid Waste Planning Committee was released (see "Public Notice, 2nd call for SWPC Members" document).

On May 18, 2016, the Washtenaw County Board of Commissioners passed Resolution #16-082 which appointed John Ford as the "Alternate" seat, and John Spurr as "General Public" seat to fill the two committee vacancies.

Since the Solid Waste Planning Committee is appointed for two year periods, and the amendment process exceeded two years from the original date of appointment, on September 16, 2017, the Washtenaw County Board of Commissioners passed Resolution #17-135, which reappoints all existing Solid Waste Planning Committee members for another two year period.

WASHTENAW COUNTY SOLID WASTE PLANNING COMMITTEE: MEETING DATES

2015	2016	2017
August 12	January 13	January 11
September 9	February 10	February 8
October 14	April 13	April 12
November 11	May 11	October 19
	June 8	(November 8)
	July 13	
	August 10	
	September 14	
	October 12	
	November 9	
	December 14	

PLANNING COMMITTEE MEMBERS

Category	Name & Affiliation
Solid Waste Management Industry	1. Kirk Lignell, Recycle Ann Arbor 2. Dave Rettell, Advanced Disposal 3. Paul Mazanec, Waste Management 4. Frank Hammer, Western Washtenaw Recycling Authority
Environmental Interest Group	5. Mike Garfield, Ecology Center 6. Bryan Weinert, Recycle Ann Arbor
County Government	7. Meghan Bonfiglio, Washtenaw County
City Government	8. Christina Gomes, City of Ann Arbor
Regional Solid Waste Planning Agency	9. Amy Mangus, Southeast Michigan Council of Governments (SEMCOG)
Industrial Waste Generator	10. Pierre Gonyon, St. Joseph Mercy Hospital, Ann Arbor
General Public	11. John Spurr, Salem Township 12. Andrew Berki, University of Michigan 13. Nancy Stone, citizen
Board of Commissioners Liaison	14. Michelle Deatrick, Washtenaw County Commissioner
Township Government	15. Gary Whittaker, Salem Township

PUBLIC COMMENT PERIOD AND PUBLIC HEARING

At the April 12, 2017 Solid Waste Planning Committee meeting, the committee approved a draft Plan document, to be released for the public comment period beginning April 21st, 2017. The public comment period was widely advertised at various public events, online via website and social media, plus distributed to all 28 municipalities and other community stakeholders via email and direct mail.

Two informational meetings were held on May 11 and June 20, as well as a formal public hearing held on July 19, 2017. The public was also able to submit comments via email, mail and in person. The public comment period, while only required to proceed for a minimum of 90 days, remained open until October 18, 2017, providing ample time for robust public participation. [See public hearing agenda, minutes and all public comments received, attached.]

PUBLIC NOTICES AND RELATED DOCUMENTS

A RESOLUTION AUTHORIZING THE WASHTENAW COUNTY WATER RESOURCES COMMISSIONER TO SEND A NOTICE OF INTENT TO AMEND THE WASHTENAW COUNTY SOLID WASTE MANAGEMENT PLAN, 1999 UPDATE, TO THE MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

WASHTENAW COUNTY BOARD OF COMMISSIONERS

April 15, 2015

WHEREAS, Advanced Disposal owner of the Arbor Hills landfill in Salem Township has requested Washtenaw County to amend the 1999 Solid Waste Management Plan for the County to expand the landfills existing footprint; and

WHEREAS, Washtenaw County is required by the Michigan Department of Environmental Quality (MDEQ) to submit a notice of intent to amend the Washtenaw County Solid Waste Management Plan, under Part 115 of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended; and

WHEREAS, it is the desire of Washtenaw County to amend the State approved 1999 Solid Waste Management Plan in consideration of Advanced Disposal's request to expand and include updating solid waste management programs and policies that emphasize waste prevention, reduction, recycling, and composting, and assure the long term capacity for disposal of waste generated within Washtenaw County; and

WHEREAS, the Board of Commissioners designated the Board of Public Works (BPW) as the agency responsible for solid waste management and appoints a Solid Waste Planning Committee (SWPC) to advise the BPW in development of the Plan Amendment; and

WHEREAS, the Plan Amendment must be approved by the governing bodies of at least 67 percent of Washtenaw County's municipalities before being submitted to the MDEQ, and;

NOW THEREFORE BE IT RESOLVED that the Washtenaw County Board of Commissioners approves the Notice of Intent to amend the County's 1999 Solid Waste Plan, as on file with the County Clerk.

BE IT FURTHER RESOLVED that the Board of Commissioners directs the Office of the Water Resources Commissioner to send a notice of intent to amend the County's Solid Waste Management Plan to the Michigan Department of Environmental Quality.

COMMISSIONER	Y	N	A	COMMISSIONER	Y	N	A	COMMISSIONER	Y	N	A
Brabec	X			Ping	X			Dan Smith	X		
LaBarre	X			Rabhi	X						
Martinez-Kratz	X			Jamnick	X						
Peterson	X			Conan Smith	X						

CLERK/REGISTER'S CERTIFICATE - CERTIFIED COPY

ROLL CALL VOTE:

9 0 0

STATE OF MICHIGAN)

I, Lawrence Kestenbaum, Clerk/Register of said County of Washtenaw and Clerk of Circuit Court for said County, do hereby certify that the foregoing is a true and accurate copy of a resolution adopted by the Washtenaw County Board of Commissioners at a session held at the County Administration Building in the City of Ann Arbor, Michigan, on April 15th, 2015, as it appears of record in my office.

COUNTY OF WASHTENAW)^{SS}.

In Testimony Whereof, I have hereunto set my hand and affixed the seal of said Court at Ann Arbor, this 16th day of April, 2015.

LAWRENCE KESTENBAUM, Clerk/Register

BY: _____
Deputy Clerk



Res. No. 15-0077

A RESOLUTION APPOINTING MEMBERS TO THE SOLID WASTE MANAGEMENT
PLANNING COMMITTEE FOR TERMS EXPIRING UPON COMPLETION OF AN
AMENDMENT TO THE UPDATE OF THE WASHTENAW COUNTY ACT 641 SOLID
WASTE MANAGEMENT PLAN

WASHTENAW COUNTY BOARD OF COMMISSIONERS

July 1, 2015

WHEREAS, Advanced Disposal owner of the Arbor Hills landfill in Salem Township has requested Washtenaw County to amend the 1999 Solid Waste Management Plan for the County to expand the landfills existing footprint; and

WHEREAS, on April 15, 2015 the Washtenaw County Board of Commissioners authorized the Chair of the Board to sign the Notice of Intent to file an amendment to the County's Solid Waste Management Plan with the State of Michigan;

WHEREAS, the Board of Commissioners designated the Board of Public Works (BPW) as the agency responsible for solid waste management and appointing a Solid Waste Planning Committee (SWPC) to advise the BPW in development of the Plan Amendment; and

WHEREAS, Public Act 641 requires the establishment of a solid waste management planning committee to review and approve proposed amendments to county solid waste management plans, and

WHEREAS, a planning committee appointed shall consist of 14 members as follows: 4 solid waste management industry representatives; 2 environmental interest groups representatives; 1 county government representative; 1 city government representative; 1 township government representative; 1 regional solid waste planning agency representative; 1 industrial waste generator representative; and 3 general public representatives

NOW THEREFORE BE IT RESOLVED that the Washtenaw County Board of Commissioners hereby appoints the following representatives to the Solid Waste Management Planning committee for terms expiring upon completion of an amendment to the Plan:

Attachment:

Category	Member
Solid Waste Management Industry	1) Kirk Lignell 2) Dave Rettell 3) Paul Mazanec 4) J D Lindeberg
Environmental Interest Groups	1) Mike Garfield 2) Bryan Weinert
County Government	1) Meghan Bonfiglio
City Government	1) Christina Gomes
Township Government	1) Gary Whittaker
Regional Solid Waste Planning Agency	1) Amy Mangus
Industrial Waste Generator	1) Pierre Gonyon
General Public	1) Frank Hammer 2) Andrew Berke 3) Nancy Stone
Board of Commissioner's Liaison	1) Yousef Rabhi
Alternate	Jon Tulman

COMMISSIONER	Y	N	A	COMMISSIONER	Y	N	A	COMMISSIONER	Y	N	A
Brabec	X			Ping	X			Dan Smith	X		
LaBarre	X			Rabhi	X						
Martinez-Kratz	X			Jamnick	X						
Peterson			X	Conan Smith	X						

CLERK/REGISTER'S CERTIFICATE - CERTIFIED COPY

ROLL CALL VOTE:

8 0 1

STATE OF MICHIGAN)

I, Lawrence Kestenbaum, Clerk/Register of said County of Washtenaw and Clerk of Circuit Court for said County, do hereby certify that the foregoing is a true and accurate copy of a resolution adopted by the Washtenaw County Board of Commissioners at a session held at the County Administration Building in the City of Ann Arbor, Michigan, on July 1st, 2015, as it appears of record in my office.

COUNTY OF WASHTENAW)^{SS}.

In Testimony Whereof, I have hereunto set my hand and affixed the seal of said Court at Ann Arbor, this 2nd day of July, 2015.

LAWRENCE KESTENBAUM, Clerk/Register

BY: _____ Deputy Clerk



Res. No. 15-0121

A RESOLUTION APPOINTING MEMBERS TO THE SOLID WASTE MANAGEMENT
PLANNING COMMITTEE FOR TERMS EXPIRING UPON COMPLETION OF AN
AMENDMENT TO THE UPDATE OF THE WASHTENAW COUNTY ACT 641 SOLID
WASTE MANAGEMENT PLAN

WASHTENAW COUNTY BOARD OF COMMISSIONERS

May 18, 2016

WHEREAS, Advanced Disposal owner of the Arbor Hills landfill in Salem Township has requested Washtenaw County to amend the 1999 Solid Waste Management Plan for the County to expand the landfills existing footprint; and

WHEREAS, on April 15, 2015 the Washtenaw County Board of Commissioners authorized the Chair of the Board to sign the Notice of Intent to file an amendment to the County's Solid Waste Management Plan with the State of Michigan;

WHEREAS, the Board of Commissioners designated the Board of Public Works (BPW) as the agency responsible for solid waste management and appointing a Solid Waste Planning Committee (SWPC) to advise the BPW in development of the Plan Amendment; and

WHEREAS, Public Act 641 requires the establishment of a solid waste management planning committee to review and approve proposed amendments to county solid waste management plans, and

WHEREAS, a planning committee appointed shall consist of 14 members as follows: 4 solid waste management industry representatives; 2 environmental interest groups representatives; 1 county government representative; 1 city government representative; 1 township government representative; 1 regional solid waste planning agency representative; 1 industrial waste generator representative; and 3 general public representatives

WHEREAS, two vacancies exist; one representing the General Public and one representing an Alternate

NOW THEREFORE BE IT RESOLVED that the Washtenaw County Board of Commissioners hereby appoints the following representatives to the Solid Waste Management Planning committee for terms expiring upon completion of an amendment to the Plan:

1. John Ford (Alternate)
2. John Spurr (General Public)

COMMISSIONER	Y	N	A	COMMISSIONER	Y	N	A	COMMISSIONER	Y	N	A
Brabec	X			Ping	X			Dan Smith	X		
LaBarre	X			Rabhi			X				
Martinez-Kratz			X	Jamnick			X				
Peterson	X			Conan Smith			X				

CLERK/REGISTER'S CERTIFICATE - CERTIFIED COPY

ROLL CALL VOTE: 5 0 4

STATE OF MICHIGAN)

I, Lawrence Kestenbaum, Clerk/Register of said County of Washtenaw and Clerk of Circuit Court for said County, do hereby certify that the foregoing is a true and accurate copy of a resolution adopted by the Washtenaw County Board of Commissioners at a session held at the County Administration Building in the City of Ann Arbor, Michigan, on May 18th, 2016, as it appears of record in my office.

COUNTY OF WASHTENAW)^{SS}.

In Testimony Whereof, I have hereunto set my hand and affixed the seal of said Court at Ann Arbor, this 19th day of May, 2016.

LAWRENCE KESTENBAUM, Clerk/Register

BY: _____
Deputy Clerk



Res. No. 16-082

A RESOLUTION REAPPOINTING MEMBERS TO THE SOLID WASTE MANAGEMENT
PLANNING COMMITTEE FOR TERMS EXPIRING UPON COMPLETION OF AN
AMENDMENT TO THE UPDATE OF THE WASHTENAW COUNTY SOLID WASTE
MANAGEMENT PLAN

WASHTENAW COUNTY BOARD OF COMMISSIONERS

September 6, 2017

WHEREAS, Advanced Disposal, owner of the Arbor Hills Landfill in Salem Township, had requested Washtenaw County to amend the 1999 Solid Waste Management Plan for the County to consider an expansion to the existing footprint but has since withdrawn the request in October of 2016; and

WHEREAS, on April 15, 2015 the Washtenaw County Board of Commissioners authorized the Chair of the Board to sign the Notice of Intent to file an amendment to the County's Solid Waste Management Plan with the State of Michigan; and

WHEREAS, the Board of Commissioners designated the Board of Public Works (BPW) as the agency responsible for solid waste management and appointing a Solid Waste Planning Committee (SWPC) to advise the BPW in development of the Plan Amendment; and

WHEREAS, Part 115 of the Public Act 451 of 1994 requires the establishment of a solid waste management planning committee to review and approve proposed amendments to county solid waste management plans, and

WHEREAS, under Part 115 of PA 451 the planning committee is appointed for a two-year term and consists of 14 members as follows: 4 solid waste management industry representatives; 2 environmental interest groups representatives; 1 county government representative; 1 city government representative; 1 township government representative; 1 regional solid waste planning agency representative; 1 industrial waste generator representative; and 3 general public representatives; and

WHEREAS, the existing Solid Waste Planning Committee under direction of the Board of Public Works is proceeding to update the 1999 Solid Waste Management Plan; and

WHEREAS; the solid waste planning committee was appointed by the Washtenaw County Board of Commissioners on July 1, 2015 and that two-year appointment has since expired; and

NOW THEREFORE BE IT RESOLVED that the Washtenaw County Board of Commissioners hereby reappoints the following representatives to the Solid Waste Management Planning committee for a term expiring upon completion of an amendment to the Plan:

<u>Category</u>	<u>Member</u>
Solid Waste Management Industry	1) Kirk Lignell- Recycle Ann Arbor 2) Dave Rettell- Advanced Disposal 3) Paul Mazanec-Waste Management 4) Frank Hammer-Western Washtenaw Recycling Authority
Environmental Interest Groups	1) Mike Garfield-Ecology Center 2) Bryan Weinert-Recycle Ann Arbor
County Government	1) Meghan Bonfiglio- Washtenaw Co.
City Government	1) Christina Gomes—City of Ann Arbor
Township Government	1) Gary Whittaker- Salem Twp.
Regional Solid Waste Planning Agency	1) Amy Mangus-SEMCOG (Southeast Michigan Council of Govts)
Industrial Waste Generator	1) Pierre Gonyon- St Joseph Hospital
General Public	1) John Spurr- Salem Township 2) Andrew Berki- University of Michigan 3) Nancy Stone-Citizen
Board of Commissioner’s Liaison	1) Michelle Deatruck - Washtenaw Co. Commissioner

COMMISSIONER	Y	N	A	COMMISSIONER	Y	N	A	COMMISSIONER	Y	N	A
Brabec	X			LaBarre	X			Smith	X		
Deatrick	X			Martinez-Kratz	X						
Jamnack	X			Morgan	X						
Jefferson	X			Ping			X				

CLERK/REGISTER'S CERTIFICATE - CERTIFIED COPY

ROLL CALL VOTE:

8 0 1

STATE OF MICHIGAN)

I, Lawrence Kestenbaum, Clerk/Register of said County of Washtenaw and Clerk of Circuit Court for said County, do hereby certify that the foregoing is a true and accurate copy of a resolution adopted by the Washtenaw County Board of Commissioners at a session held at the County Administration Building in the City of Ann Arbor, Michigan, on September 6th, 2017, as it appears of record in my office.

COUNTY OF WASHTENAW)^{SS}.

In Testimony Whereof, I have hereunto set my hand and affixed the seal of said Court at Ann Arbor, this 7th day of September, 2017.

LAWRENCE KESTENBAUM, Clerk/Register

BY: _____
Deputy Clerk



Res. No. 17-135

STATE OF MICHIGAN)
County of Jackson

ss Camryn Longstreet

Being duly sworn deposes and say he/she is Principal Clerk of



JACKSON CITIZEN PATRIOT

DAILY EDITION

a newspaper published and circulated in the County of Jackson and otherwise qualified according to Supreme Court Rule; and that the annexed notice, taken from said paper, has been duly published in said paper on the following day(day(s)) _____

_____ April 23 A.D. 20 15

Sworn to and subscribed before me this 27 day of April 20 15

MARIETTA FOLEY
Notary Public, State of Michigan
County of Kent
My Commission Expires: December 23, 2016

WASHTENAW COUNTY PUBLIC NOTICE

The Washtenaw County Board of Commissioners is seeking candidates for a Solid Waste Planning Committee. The Board of Commissioners is scheduled to consider resumes at the June 3, 2015 Board session. The meeting will take place at 6:45 pm in the Board Room located at 220 N Main in Ann Arbor, Michigan. These appointments will take effect immediately upon appointment and will last the duration of the plan review.

The Committee is being established in order to review a proposed amendment to the County's approved Solid Waste Management Plan. The Committee will assist in the review of the plan amendment by providing advice and consultation to the County.

Public Act 641 of 1978 requires that the committee include the following representatives:

- 4 representatives of the solid waste management industry
- 2 representatives of the environmental interest groups
- 1 representative of County government
- 1 representative of township government
- 1 representative of city government
- 1 representative of a regional planning agency
- 1 representative of industrial waste generators
- 3 representatives of general public

Letter of interest and resumes should be addressed to Edwin Peart, Washtenaw County Clerk/Register 200 N Main, P.O. Box 8645 Ann Arbor Michigan 48107-8645. If you wish to forward e-mail please address to pearte@ewashtenaw.org. Those resumes received by May 13, 2015 will be submitted to the Board of Commissioners for its consideration on June 3, 2015.

For additional information please contact:

Jeff Krmarik
Environmental
Program Supervisor
Water Resources
Commissioners Office
734-222-6865
Email:
krmarij@ewashtenaw.org

WASHTENAW COUNTY
WATER RESOURCES COMMISSIONER

MAY 05 2015

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MICHIGAN GROUP

AFFIDAVIT OF PUBLICATION

48 West Huron Street • Pontiac, MI 48342

Washtenaw County Water Resource
705 N Zeeb Rd

BOX PO Box 8645

Ann Arbor, MI 48107

PO

WASHTENAW COUNTY
WATER RESOURCES COMMISSIONER

MAY 06 2015

RECEIVED

STATE OF MICHIGAN,
COUNTY OF OAKLAND

Lynn Dropping
Lynn Dropping

The undersigned _____, being duly sworn the he/she is the principal clerk of Washtenaw Now, Washtenaw Now.com, Washtenaw Now.com2, published in the English language for the dissemination of local or transmitted news and intelligence of a general character, which are dully qualified newspapers, and the annexed hereto is a copy of certain order, notice, publication or advertisement of:

Washtenaw County Water Resource

Published in the following edition(s):

Washtenaw Now	04/23/15
Washtenaw Now	04/30/15
Washtenaw Now.com	04/23/15
Washtenaw Now.com	04/30/15
Washtenaw Now.com2	04/23/15
Washtenaw Now.com2	04/30/15



Sworn to the subscribed before me this 1st May 2015

Tina M. Crown

Notary Public, State of Michigan
Acting in County of Oakland

Advertisement Information

Client Id: 641734

Ad Id: 578778

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Sales Person: 200307

WASHTENAW COUNTY PUBLIC NOTICE

The Washtenaw County Board of Commissioners is seeking candidates for a Solid Waste Planning Committee. The Board of Commissioners is scheduled to consider resumes at the June 3, 2015 Board session. The meeting will take place at 6:45 pm in the Board Room located at 220 N Main in Ann Arbor, Michigan. These appointments will take effect immediately upon appointment and will last the duration of the plan review.

The Committee is being established in order to review a proposed amendment to the County's approved Solid Waste Management Plan. The Committee will assist in the review of the plan amendment by providing advice and consultation to the County

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- 2 representatives of the environmental interest groups
- 1 representative of County government
- 1 representative of township government
- 1 representative of city government
- 1 representative of a regional planning agency
- 1 representative of industrial waste generators
- 3 representatives of general public

Letter of interest and resumes should be addressed to Edwin Peart, Washtenaw County Clerk/Register 200 N Main, P.O. Box 8645 Ann Arbor Michigan 48107-8645. If you wish to forward e-mail please address to pearte@ewashtenaw.org. Those resumes received by May 13, 2015 will be submitted to the Board of Commissioners for its consideration on June 3, 2015.

For additional information please contact:

Jeff Krcmarik
Environmental Program Supervisor
Water Resources Commissioners Office
734-222-6865
Email: krcmarij@ewashtenaw.org

Publish: April 23 & 30, 2015



HELP IMPROVE THIS SITE

Public Notice - Seeking Citizen Volunteers for the SWMPC

WASHTENAW COUNTY BOARD OF COMMISSIONERS

PUBLIC NOTICE – SEEKING CITIZEN VOLUNTEERS FOR THE

SOLID WASTE MANAGEMENT PLANNING COMMITTEE

The Washtenaw County Board of Commissioners is looking for citizens to volunteer for positions on the Solid Waste Management Planning Committee. The Board of Commissioners will make these appointments at their upcoming session on March 16, 2016 at 6:45 p.m. in the Board Room, Administration Building, 220 North Main Street, Ann Arbor, Michigan.

Individuals interested in applying should submit a letter of interest and resume, including a home address, to the Washtenaw County Clerk's office, Attention: Appointments, P.O. Box 8645, Ann Arbor, Michigan 48107. Letters and resumes may also be submitted via email to pearte@ewashtenaw.org, via fax (734) 222-6528, or apply online at www.ewashtenaw.org.

Those resumes received by **MARCH 10, 2016** will be submitted to the Board of Commissioners for its consideration on March 16, 2016. The appointments will become effective March 16, 2016. These appointments include:

- **Solid Waste Management Planning Committee** – The Board of Commissioners is seeking qualified applicants to fill **two** positions: one representing the General Public and one representing an Alternate. Per resolution, these terms do not expire until an amendment has been made to the Solid Waste Management Plan (15-0121). The Board of Commissioners designated the Board of Public Works (BPW) as the agency responsible for solid waste management and appointing a Solid Waste Planning Committee (SWPC) to advise the BPW in development of the Plan Amendment.

http://www.ewashtenaw.org/government/boc/pub_notices/public-notice-seeking-citizen-vo... 8/25/2016

For additional information, please contact Washtenaw County Clerk's Office. Phone: (734) 222-6655.

RELEASED: February 18, 2016

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WASHTENAW COUNTY BOARD OF COMMISSIONERS
PUBLIC NOTICE – SEEKING CITIZEN VOLUNTEERS FOR THE
SOLIDE WASTE MANAGEMENT PLANNING COMMITTEE

The Washtenaw County Board of Commissioners is looking for citizens to volunteer for positions on the Solid Waste Management Planning Committee. The Board of Commissioners will make these appointments at their upcoming session on March 16, 2016 at 6:45 p.m. in the Board Room, Administration Building, 220 North Main Street, Ann Arbor, Michigan.

Individuals interested in applying should submit a letter of interest and resume, including a home address, to the Washtenaw County Clerk's office, Attention: Appointments, P.O. Box 8645, Ann Arbor, Michigan 48107. Letters and resumes may also be submitted via email to pearte@ewashtenaw.org, via fax (734) 222-6528, or apply online at www.ewashtenaw.org.

Those resumes received by **MARCH 10, 2016** will be submitted to the Board of Commissioners for its consideration on March 16, 2016. The appointments will become effective March 16, 2016. These appointments include:

- **Solid Waste Management Planning Committee** – The Board of Commissioners is seeking qualified applicants to fill **two** positions: one representing the General Public and one representing an Alternate. Per resolution, these terms do not expire until an amendment has been made to the Solid Waste Management Plan (15-0121). The Board of Commissioners designated the Board of Public Works (BPW) as the agency responsible for solid waste management and appointing a Solid Waste Planning Committee (SWPC) to advise the BPW in development of the Plan Amendment.

For additional information, please contact Washtenaw County Clerk's Office. Phone: (734) 222-6655.

RELEASED: February 18, 2016

DRAFT Washtenaw County Solid Waste Management Plan Amendment Available for Public Comment

Pursuant to requirements of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, the official public comment period for the draft Washtenaw County Solid Waste Plan Amendment begins Friday, April 21, 2017. The period will proceed for at least 90 days.

To view the draft Plan, please visit our website at www.ewashtenaw.org/publicworks. Official comments may be submitted to via email at publicworks@ewashtenaw.org or sent by mail to the Washtenaw County Division of Public Works, 705 N. Zeeb Rd., P.O. Box 8645, Ann Arbor, MI., 48107-8645.

To facilitate the public comment period, there are two informational meetings and one public hearing scheduled to invite participation and/or comments on the draft plan from any person having an interest in the future of solid waste and recycling for Washtenaw County.

Informational Meetings & Public Hearing:

- **Thursday, May 11, 2017 at 6:00PM**
Salem Township Hall
9600 Six Mile Rd.
Salem, MI 48175
- **Tuesday, June 20, 2017 at 3:00PM**
Chelsea District Library
221 S. Main Street
Chelsea, MI 48118
- **Public Hearing – July 2017, details TBD**



Questions?

Contact the Washtenaw County Division of Public Works Staff

Phone: 734-222-6860

Email: publicworks@ewashtenaw.org

Website: www.ewashtenaw.org/publicworks



PUBLIC NOTICE
PUBLIC HEARING FOR THE AMENDED WASHTENAW COUNTY SOLID
WASTE PLAN

The Washtenaw County Solid Waste Planning Committee has released an amended solid waste plan and is currently accepting public comment. A public hearing will be held at 7 pm on July 20 at the Washtenaw Intermediate School District office located at 1819 S Wagner Rd, Ann Arbor, Michigan. If you cannot attend please forward your comment to publicworks@ewashtenaw.org.

JULY 19, 2017

All meetings are subject to change. Posted in compliance with the Open Meetings Act, Public Act 267 of 1976. The County of Washtenaw will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audiotapes of printed materials being considered at the meeting, to individuals with disabilities at the meeting/hearing upon seven (7) days' notice to the County of Washtenaw. Individuals with disabilities requiring auxiliary aids or services should contact the County of Washtenaw by writing or calling the following: Diane Heidt, Human Resources, 220 North Main Street, P.O. Box 8645 Ann Arbor, Michigan 48107-8645, (734) 222-6800, TDD #(734) 994-1733
Updated 11/14/14

TALK ABOUT YOUR TRASH



Garbage.
Recycling.
Compost.
Yard waste.
We all produce it.
What do you think about
Washtenaw County's
plan to manage it?

INFORMATIONAL MEETINGS

May 11, 2017

6pm @ Salem Township Hall

June 20, 2017

3pm @ Chelsea District Library

PUBLIC HEARING

July 19, 2017

6pm @ Washtenaw Intermediate School District



Can't attend?
Email your comments
publicworks@ewashtenaw.org



Questions?
Call the Division of Public Works
734-222-6860



Read the Draft Washtenaw County Solid Waste Plan

➔➔➔ www.ewashtenaw.org/swp

February 9 2016

Jeff Krcmarik, Environmental Supervisor
Washtenaw County Water Resources Commission
705 N. Zeeb Rd.
Ann Arbor, MI 48107

Dear Jeff,

This letter is to inform you of my resignation from the Washtenaw County Solid Waste Planning Committee, effective immediately.

I am taking this action due to my accepting a position with the County's Environmental Health program as a solid waste program specialist.

Thank you.

Sincerely,

Jon Tulman
3060 S. Fletcher Rd.
Chelsea, MI 48118

Note: Letter sent as an email attachment and therefore does not bear a signature.

CC: Bryan Weinert, Solid Waste Planning Committee Chair



CITIZEN COMMENT FORM

Completed by Landowner

NAME: Armand Tchonang

ADDRESS: 50330 Starlite Run
Northville, MI 48168

PHONE NUMBER(S): 734560 8464

EMAIL: TCHONANG@YAHOO.COM

COUNTY: WAYNE

Completed by Office of the Water Resources Commissioner

COMMENTS:

Dump smells very bad
at times and I don't want the
expansion to be done as they can't
even manage what is already
existing.
How do we ~~know~~ they won't go bankrupt
in a near future.

Follow-up Required?

WC Public Works Representative: _____



4

CITIZEN COMMENT FORM

Completed by Landowner

NAME: Bruce Leonard

ADDRESS: 8754 Napier Rd.

Northville Twp., MI 48168

PHONE NUMBER(S): (734) 624-1764

EMAIL: balbbi@yahoo.com

COUNTY: Wayne (my property borders Washtenaw)

COMMENTS:

- Add required timing that holds government entities accountable to implement these plans

- As you develop new recycling & waste mitigation plans and infrastructure the life of the landfill will be extended. Therefore, a 2nd landfill will not be needed. I want the plan to state that an expansion is not allowed.

Follow-up Required?

WC Public Works Representative: _____

Completed by Office of the Water Resources Commissioner



3

CITIZEN COMMENT FORM

Completed by Landowner

NAME: Chris Cordina

ADDRESS: 9250 Napier Rd
Northville MI 48167

PHONE NUMBER(S): 734-306-5895

EMAIL: Cordinafamily@gmail.com

COUNTY: Wayne

Completed by Office of the Water Resources Commissioner

COMMENTS:

Its Already too big. We don't need it bigger.

It is harmful to the homes ^{and schools} to the East.

It is toxic both to the air & ground. They are
trying to close roads so truck traffic will go thru ~~Wayne~~
Northville and not thru Salem. How do we know
that ~~the~~ ^{Advance Disposal} will not just walk away after they make profit.

Follow-up Required?

WC Public Works Representative: _____

From: Gerhart, Jennifer [<mailto:gerhart1@anr.msu.edu>]
Sent: Monday, July 17, 2017 3:19 PM
To: publicworks <publicworks@ewashtenaw.org>
Subject: Supporting Zero Waste

Hello,

I am writing in support of Zero-waste initiatives in Washtenaw County. It has been shown that we can get REALLY close to zero waste at both public/private events and in camps, parks, schools, and other locations. It is important for the longevity of our communities that we work towards a more sustainable waste management plan.

I support language for zero waste to be included in the new Washtenaw County Solid Waste Management Plan.

I would like to add that I hold a seat on the Washtenaw County Food Policy Council and zero-waste is a part of our policy agenda items so technically the full council is in support of zero-waste initiatives.

Thank you,

Jae Gerhart

Washtenaw County Local Foods Coordinator
Michigan State Extension – Greening Michigan Institute
705 N. Zeeb Rd, Ann Arbor MI 48103
Email: gerhart1@anr.msu.edu
Phone: 989-430-0926

MSU Extension programs and materials are open to all without regard to race, color, national origin, gender, gender identity, religion, age, height, weight, disability, political beliefs, sexual orientation, marital status, family status, or veteran status.

From: Jan Wright [<mailto:janwrigh@umich.edu>]
Sent: Wednesday, September 06, 2017 8:31 PM
To: publicworks <publicworks@ewashtenaw.org>
Subject: Public Comment on County Draft Solid Waste Plan

I am writing to add some personal thoughts to an earlier statement made by an organization that I am part of (Climate Change & Earth Care Task Force of Interfaith Council for Peace & Justice). We strongly supported the Draft Solid Waste Plan's commitment to move toward zero waste.

I understand this to be a commitment to movement in a positive **direction**, not a commitment to **achieve** zero waste. I don't even know if zero waste is achievable; I **do** know that we can do much better than we are doing currently.

Putting most of our waste into a landfill seems a bad idea to me—bad for the environment, potentially bad for the county's finances and often bad for the people who live near the landfill. I would like to see Washtenaw County recycle and compost a much higher proportion of our waste that doesn't belong in a landfill, and I support the County's making creative and responsible decisions that move us in this direction as quickly as possible.

Jan Wright

Pittsfield Township Resident

Jeff Krcmarik

From: Kurt Koseck <sylvankurt@gmail.com>
Sent: Tuesday, May 09, 2017 8:54 AM
To: publicworks
Subject: Comment on CO Solid Waste Management Plan

My concern is that this plan is pushing too hard for forced recycling. Our Township gets pressure from some citizens to join the Chelsea Recycling (Western Washtenaw Recycle Center?). The majority of the citizens would be opposed to it. Let market forces determine how I deal with my waste. Don't tax my house to pay for recycling.

I have never seen an Environmental Impact Study on what it costs to recycle. For example, I watch people pull up to the recycle bin, idle their SUVs while they recycle. They waste more energy recycling than what is gained.

Landfills are not a bad thing. We will never eliminate landfills, so let's learn to live with them. They often produce energy through landfill gas.

Thanks for the opportunity to comment.

Kurt Koseck



#1

CITIZEN COMMENT FORM

Completed by Landowner

NAME: Matthew Weaver

ADDRESS: 16950 Cerraige Way
Northville MI 48168

PHONE NUMBER(S): 614.381.2738

EMAIL: matthewnweaver@gmail.com

COUNTY: Wayne

Completed by Office of the Water Resources Commissioner

COMMENTS:

+ Committe listened, was patient - Thanks

+ Process is flawed - biased towards business

+ Costs shifted to Northville, Plymouth, Novi, Wayne and Oakland County.

+ Could send a strong message to Lickill, didn't, Missed opportunity.

+ What plan does the county have regarding financial responsibility? Is it prudent to keep the plan / Arbor Hills even as is if it is known that there is not appropriate funding / financial responsibility.

Follow-up Required?

WC Public Works Representative: _____



#2

CITIZEN COMMENT FORM

Completed by Landowner

NAME: Shekar Erasala

ADDRESS: 50/04 Hidden Point Dr

Northville MI 48168

PHONE NUMBER(S): 248 344 2962

EMAIL: serasala@gmail.com

COUNTY: Wayne

COMMENTS:

Resident near the
lane fur.

Completed by Office of the Water Resources Commissioner

Follow-up Required?

WC Public Works Representative: _____

From: T. D. [<mailto:trdelapa@gmail.com>]
Sent: Friday, June 09, 2017 2:18 PM
To: publicworks <publicworks@ewashtenaw.org>
Subject: Draft Solid Waste Plan; DTW sustainability

To Washtenaw County officials:

As a resident of the county since 2014, I am writing to strongly urge you to begin instituting more viable and visible sustainability programs to reduce solid waste disposal among residents and businesses, especially via recycling.

In addition, I urge the county to work closely with Wayne County on any draft or potential plans to institute wholesale sustainability and recycling programs at DTW airport. I hope you can forward my comments below to the relevant county officials/staff in this regard.

After a recent flight through DTW, I was shocked and dismayed to find that the neither terminal offers visible recycling opportunities for passengers and workers.

Every major (and most minor) US airports offers a multitude bins for newspapers, plastic bottles, cans, etc., placed next to trash cans. Why doesn't DTW? While the McNamara Terminal is modern and up-to-date in most regards, it is definitely stuck in the wasteful past as far as sustainability goes. I was just last week at Denver's modern DIA airport, and there are convenient recycling bins everywhere (along with a new train to downtown--which also DTW sorely lacks).

If the Detroit area is ever going to truly appeal to world-wide travelers and commuters, especially the young, it must make a wholesale effort to bring its airport up to date, including a variety of viable and visible sustainability options, including recycling and mass transit, as well as wind and solar power networks.

FYI, I've attached a 2013 FAA summary report on recycling at several major U.S. airports. Thank you.

TR Delapa
Ann Arbor

From: Tracy Artley [mailto:artleyt@umich.edu]
Sent: Friday, September 29, 2017 10:59 AM
To: publicworks <publicworks@ewashtenaw.org>
Cc: Andrew Berki <aberki@umich.edu>
Subject: Comment on Draft WC Solid Waste Plan

Hello,

I have the following comment on the draft Washtenaw County Solid Waste Plan. Thank you for your consideration.

a. On pages 37-38, the University of Michigan's waste hauling/collection service is not included. While we only service U-M owned properties, it may still be worth including so that these pages represent the true extent of haulers in the county.

Tracy

Tracy L. Artley, MPH, LEED AP O+M
Program Manager
Waste Reduction & Recycling
Office of Campus Sustainability
University of Michigan
artleyt@umich.edu

From: Wendy Zielen <wzielen@gmail.com>
Sent: Monday, August 07, 2017 11:35 PM
To: publicworks
Subject: Comment on Washtenaw County SWP

Thank you for all the hard work developing the Washtenaw County SWP. I have one comment regarding funding. I live at Silver Lake in Dexter Township. Each week at least three trash trucks come down our road since residents can choose from several vendors. Despite the competition, it seems that we still pay a fairly high price. My current bill for Advanced Disposal basic service is \$82.40 per quarter, just up from \$72 per quarter - for the most basic service.

I would be grateful to have one vendor so as to lessen damage to the roads. I also believe that having one vendor would make it more cost effective for the vendor, and for the residents. Please make sure that when it comes time to advocate for moving forward with the plan to remind the subscription customers in the rural areas that although they will have a Special Assessment District fee, they will no longer need to pay their subscriptions fees - a good tradeoff for everyone.

Wendy Zielen
313-799-3639

From: Jan Wright <janwrigh@umich.edu>
Sent: Sunday, August 13, 2017 9:14 PM
To: publicworks
Subject: Comment on County Draft Solid Waste Plan

We strongly support the commitment to move toward zero waste expressed in the Washtenaw County Draft Solid Waste Plan. While we know that putting this commitment into practice will be challenging, we strongly support channeling a significant amount of resources into implementing the County's movement toward zero waste. If there are ways we can be of help, please let us know.

Jan Wright and Jane Pacheco

For the Climate Change & Earth Care Task Force,

Interfaith Council for Peace & Justice

All feedback was received at the public participation sessions held during the two informational meetings held in May and June 2017 and one public hearing held in July 2017.

#1 ACCESS & CONVENIENCE

Brainstorm & notes from informational meetings:

- More drop-off locations, longer hours
- More engagement with pharmacies and doctors for proper prescription drug disposal
- Provide all residents recycle and compost curbside services
- Offer curbside reuse service
- Provide recycle bins in grocery stores
- Provide access to recycling at businesses and local public buildings
- Look into Producer Responsibility Policy
- Provide weekday drop-off events, because people are usually out of town on the weekends

From 7/19/17 Public Hearing:

- Partner with universities to conduct research on increased access and convenience to recycling
- Peer review/best practices: Look to other successful communities such as Farmington Hills
- Simple Recycling
- Provide curbside access to ALL county residents
- Promote bi-weekly trash, and weekly recycle and compost pick-up
- Provide recycling outlets in parking lots outside of grocery stores
- Look to ubiquitous private industry (example: Amazon and similar generators) for reuse and recycling projects and opportunities

#2 MORE DIVERSION AND RECOVERY, LESS DISPOSAL

Brainstorm & notes from informational meetings:

- Increase frequency of drop-off events
- Provide more robust compost education regarding food waste
- Provide curbside compost collection for food waste
- Increase community outreach, be more direct! Requires multiple stakeholder engagement
- Discussing and educating about the economics of trash and waste
- Provide regionalized access to recycling opportunities
- Work with county health inspectors to include restaurant education for recycling and composting

From 7/19/17 Public Hearing:

- Adopt Pay-As-You-Throw policy county-wide
- Use long-term economic data to motivate behavior
- Return/Reuse policies or programs (Example: with Amazon warehouses, etc.)
- Ordinances with food waste reduction goals for restaurants, requiring certain generators to send food waste to landfill
- Work with food banks to address the problem of wasted food due to expiration dates

#3 EDUCATION AND OUTREACH

Brainstorm & notes from informational meetings:

- Collaborative funding opportunities, to help create consistency for program education
- Increase the number of community campaigns
- More youth recycling and waste education
- Create incentives and competition to participate (example: Commuter Challenge)
- Use libraries and other public areas for educational outreach
- Establish priorities of target people to educate to, and utilize “train the trainer” concept to provide training to educational leaders in the community (teachers, municipal settings, businesses, etc.)
- Create a Washtenaw County recycles Mascot, for branding purposes
- Utilize social media (3x) and video clips more, to increase reach
- Do more direct mailing
- Increased education at the drop-off site locations needed
- Mail and email educational newsletters
- Educate larger groups in the community (senior living communities, workplaces, gyms, farmers markets, community centers, religious meeting locations) to maximize number of people reached

From 7/19/17 Public Hearing:

- Set example! (especially in schools)
- Share success stories, appeal to a professional and emotional level from resident testimonies; Use personal stories to motivate the “let’s all work together” mindset
- Utilize billboards (example: Bank of Ann Arbor’s catchy and attention-grabbing ads)

#4 DATA AND MEASUREMENT

Brainstorm & notes from informational meetings:

- Data should drive decisions
- Set short term goals. When implementing the Plan, include “milestone goals” (annually or every other year) to assess progress, and to provide a process for re-evaluating specific steps needed to achieve the long-term goal of zero waste
- Encourage municipalities and businesses to include reporting requirements in their recycle and garbage collection contracts. Report those volumes back to County for data entry.
- Assess cost (per person, per family) for what people throughout the county are paying for waste services. Use that data to encourage and assist with single-hauler contracts

From 7/19/17 Public Hearing:

- Use the “Citizen Scientist” model
- Use chip readers on recycling and waste carts, require reporting back
- Conduct more waste audits to assess how much recyclable materials are actually found in the trash stream. Utilize MDEQ (Emily Freeman) model (methods, resources, etc.) to conduct waste audits
- Collect ALL data, in and out of County, for full picture
- More monitoring for recycling contamination; Use ordinance to track levels of contamination, use enforcement force for possible ticket system to incentivize resident and business disposal behaviors (see other model communities that have adopted similar strategy)

#5 FUNDING

Brainstorm & notes from informational meetings:

- Calculate cost-risk analysis for recycling and compost – the community needs to be informed
- Adopt “pay as you throw” to incentivize residents to recycle, because they’d be required to pay for their trash (Example: Chelsea, MI)
- Provide a tax credit for recycling
- Pursue and adopt product stewardship initiatives to shift cost to producers from local units of government
- Increase repair and reuse opportunities for saving money
- Create a “go fund me” account for Washtenaw county recycling
- Analyze how costs affects participation for compost at homes and businesses
- Philanthropy: Partner with foundations offering grants and funding opportunities for recycling and waste reduction programs
- Advertising for cost discounts/prizes for recycling participation

From 7/19/17 Public Hearing:

- Calculate/conduct research to find the “TRUE COST” of sending waste to landfill. True cost meaning the long-term (100, 200+ years) cost of landfills, compared to resource recovery. Too often the short-term immediate cost is only considered, when the long-term costs ought to be assessed. (MDEQ). Data is needed to assess the long term economic impact of recycling/compost versus trash.
- More monies available for recycling can be funneled into market development, to create local end-markets for material recovery.
- Incentivize residents to recycle/compost before landfilling
- Publically address the low tipping fee issue in Michigan. This ties back to long-term costs versus short-term/immediate costs of landfilling.
- Legislative action and lobbying will be needed to address tipping fee issue

#6 COORDINATION AND COLLABORATION

Brainstorm & notes from informational meetings:

- Partner with public locations such as libraries, community centers, schools (including K-12, colleges and universities) local chambers of commerce, churches and more
- Connect waste generators with local disposal outlets (example: farms and compost sites)
- Work with local organizations such as Environmental Commissioners (Ann Arbor, Saline) and Washtenaw Food Policy Council
- Facilitate field trips with local schools for recycling education; students will transfer their education to home and parents

From 7/19/17 Public Hearing:

- Work with WWRA, A2 transfer station and others to conduct periodic waste audits (MDEQ/Emily Freeman)
- Encourage and present information to LUGs to get on board with Solid Waste Plan goals; important to engage at the community level
- STANDARDIZE*** recycle and compost system across the county, to be consistent throughout. Coordinating with LUGs to achieve this would create informational consistency and reduce confusion and promote participation. This would require more robust (but consistent) educational information to standardize the info.
- Important to work with C7D waste generators and to direct to recovery options
- Use “Welcome Wagon” and local realtors who can pass along recycling education to clientele. Also MFUs.

Received from Bryan Weinert on 7/26/17

Hi Noelle. I remember hearing a while ago about the County's discussions about possibly creating an office supply warehouse (esp. high recycled content and eco-friendly paper and related products) that could serve the county, local units of government and non-profits in the county. Has that idea gained any traction?

I recently came across information about a non-profit in Arizona that sells office supplies and recycles/refurbishes toner cartridges employing folks with mental disabilities, thereby serving that important social need while also being eco-friendly. They are called Quality Connections and their website is at qualityconnections.org.

Might Washtenaw County look at something similar? Create a non-profit or quasi-governmental entity providing similar services to Washtenaw County customers that provides employment and maximum eco-friendly products that can be bought in large quantities and distributed locally? And like Quality Connections, we could target a population in need of employment support. Recent immigrants/refugees come to mind for me, as a growing local need.

Please let me know what you think.

Thanks.

Bryan



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



C. HEIDI GREETHER
DIRECTOR

September 22, 2017

Mr. Jeff Krcmarik R.S., Environmental Program Coordinator
Washtenaw County Water Resources Commissioner's Office
P.O. Box 8645
Ann Arbor, Michigan 48107-8645

Dear Mr. Krcmarik:

SUBJECT: Washtenaw County Solid Waste Management Plan Amendment

The Department of Environmental Quality (DEQ) received and reviewed the documentation provided by you for the draft Washtenaw County Solid Waste Management Plan (Plan) Amendment 90-day public comment period ending July 20, 2017. Comments will be addressed in the same order as the topics appear in the Plan Amendment.

Page 15, SOLID WASTE DISPOSAL AREAS, Facility Descriptions section, the Amendment should identify all of the facilities that the County intended to use during this planning cycle; however, none of the landfills that the County intended to use for capacity purposes that are located outside of the County were included. Specifically, Carleton Farms Landfill, Sauk Trail Hills Landfill, and Woodland Meadows RDF identified on page 14 of the Amendment and their letters indicating that they would accept waste from Washtenaw found in the Appendix D, Listed Capacity section. Therefore, please provide a facility description sheet for each of these landfills in the final version.

An agreement between the County and Advanced Disposal (Agreement) is referenced throughout the Plan Amendment; while the Plan Amendment states that the Agreement is available on the County's website, a copy of the pertinent pages of the Agreement should be included in the Plan Amendment. Further, any portions of the Agreement that controls the location, development, or operation of the landfill must be included in the Plan Amendment to ensure enforceability of the Agreement.

Pages 16-36, SOLID WASTE DISPOSAL AREAS, Facility Descriptions, each of the facility descriptions state that a map is included in the Attachment Section found on page D-5; however, the term "Attachment" should be "Appendix" and Appendix D is not separated into subsections. Therefore, please either correct each of the

Page 53, THE SELECTED SOLID WASTE MANAGEMENT SYSTEM, Funding Section, second sentence mentions page 119, however, the funding information is on pages 119 through 120.

Page 57, IMPORT/EXPORT AUTHORIZATIONS, Intercounty Transport of Solid Waste section, second paragraph states, "The City of Milan, including the portion included in Monroe County, is authorized for disposal in Washtenaw County." It is not clear as to why you specifically call identify the portion of the City of Milan that is located in Monroe County; however, Monroe County is authorized for waste imports and exports already per the tables in the Plan Amendment.

Page 58, IMPORT/EXPORT AUTHORIZATIONS, Authorized Conditions for Waste Imports, this section references a total 5-year limitation of 17.5 million gate-cubic yards from all sources in any consecutive 5-year period and not more than 4.5 million gate cubic yards from all sources in any one calendar year; however, it should be noted that if you total up the authorized quantities in Table 13. Authorized Imports of Solid Waste found on page 57 it is 8.95 million cubic yards. The implementation of this level of discrepancy could be very difficult. It appears that the Plan Amendment identifies the volume restrictions identified in the other county solid waste management plans from the reciprocating counties. The County may want to determine its own volume restrictions that would add up to the total limitation so that the limitations equal the total annual and 5-year volume limitations.

Please note that the long-term agreement referenced in the Plan Amendment between the County and Advanced Disposal should be completed prior to the Plan Amendment being finalized and approved by the Solid Waste Management Planning Committee. Further, any section within the agreement that controls the location, development or operation the landfill must be included in the Plan Amendment.

Page 63, THE SELECTED SOLID WASTE SYSTEM, Solid Waste Disposal Areas, Facility Name section does not include the McGill Road Type II Landfill as a facility that the County intended to use for capacity purposes; however, on there is a letter from this facility in Appendix D under the Listed Capacity section. If the County intended to use this facility for capacity then please include this facility in this list and include a facility description where appropriate in the Plan Amendment.

Additionally, the Plan Amendment identifies Carleton Farms Landfill, Sauk Trail Hills Landfill and the Woodland Meadows RDF as facilities the County intended to use for capacity purposes; however, a facility description page was not included in the Plan Amendment for any of these facilities. Therefore, please include a facility description for each of these landfills where appropriate in the Plan Amendment.

Page 79, THE SELECTED SOLID WASTE SYSTEM, Timetable for Selected System Implementation section, first bulleted item last sentence references that the options for funding to support the plan implementation is outlined in Appendix A on page 119; however, these options are found on pages 119 through 120. Therefore, this sentence should add this as appropriate.

Pages 80-99, THE SELECTED SOLID WASTE SYSTEM, Siting Review Procedures section, it appears that the siting process as outlined in the Plan Amendment is combining several different processes; specifically, the siting of authorized facilities and the potential for an “unauthorized facility” to request for a Plan Amendment. The Plan Amendment process is outlined in statute and cannot be outlined in a county Solid Waste Management Plan. Further, it appears that the County intended to allow for the siting of processing and transfer stations so long as they followed the process and met the siting criteria and no other types of disposal areas are authorized to follow the process. It is recommended to revise the siting process to clarify that only the authorized solid waste disposal areas can follow the process and to clearly identify what that process would include, which party is responsible for reviewing and determining consistency, and what the criteria are. Any reference to a process to amend the plan should be removed from this portion of the Plan Amendment.

Page 147, APPENDIX D, Special Conditions, this page does not clearly identify if there are any special conditions, therefore, this section should either identify that “There are no special conditions affecting the import or export of solid waste.” or include the special conditions affecting the import or export of solid waste on this page.

Page 152, APPENDIX D, Host Community Agreement, the Plan Amendment currently only has a copy of the June 4, 1992 agreement. Please make sure to include the revised Agreement that is referenced throughout the Plan Amendment.

If you have any questions or comments, please contact me at the telephone number below; via e-mail at millerc1@michigan.gov; or at DEQ, P.O. Box 30241, Lansing, Michigan 48909-7741.

Sincerely,



Christina Miller
Sustainable Materials Management Unit
Solid Waste Section
Waste Management and
Radiological Protection Division
517-614-7426

cc: Mr. Jeff Spencer, DEQ
Washtenaw County File

Comments Received from Washtenaw County Board of Public Works (BPW) – Compiled

This document is a compilation of the comments from the Washtenaw County Board of Public Works.

Overview:

- Questions/comments mainly focus on:
 - Format of the plan document, leading to not being able to locate information or not understanding the flow of the document
 - Grammatical and formatting corrections
 - Goals that are too broad and not specific
 - Roles and responsibilities
 - Data sources
 - Suggestions, priorities and comments that are suited for when the Plan is implemented.

Comments regarding SWMP Amendment Draft – from BPW

- The aspirational approach in the document is gratifying, especially moving beyond the minimum state requirements. In general, the document provides little objective data, economic or policy analysis that supports or provides a clear rationale for the goals and objectives.
- How to read this Document
 - What is the basis for the last sentence in the first paragraph. Where is the "mindset" found or supported? Is it a policy put forth by the County Commissioners? At present, it is an supported assertion.
- Executive Summary
 - Where were and how were the progressive goals set forth? Are they laid out in an appendix to this document? Or is the public to take them as an article of faith?
- Executive summary conclusions
 - The guiding principles are "identified" or "are outlined below and to be implemented with the adoption of this plan"?
- Goal 1
 - Define "aggressive program" throughout the document. Do we mean "voluntary", imposed by county or local government ordinance or of the government regulation?
 - Objective 2- I object to the implementation of any regulatory approach that requires funding/taxation unless it approved by ballot.
- Goal 2
 - Who is doing the heavy lifting in this section? Objective 2c 1 who is to "work" with local governments.
- Goal 4
 - Define "Ensure" and who will be doing the Ensuring,
- Goal 5
 - Objective 1 Who? And what authority will "who" have.
 - Objective 8 means? mileages, property taxes, use fees, manna from heaven?
- Data Base
 - The data underlying the analysis seems to be mostly heuristic. What was the basis and method Used to do the estimates. i.e rough numbers multiplied by population with

linear growth. What is the reasonable precision of these estimates. What has prior history shown will using these techniques. This applies to all the estimates.

- Solid Waste Management Alternatives
 - Why was the landfill summarily dismissed? You haven't justified the public policy or demonstrated the economic superiority of any of the other alternatives.
- Where is the economic justification for all of the programs outlined?
- The Plan mentions "lots of regional landfill capacity...very accessible and low costs" (p. 108), "sufficient reserves of landfill capacity" (p. 39), "landfill disposal rates in Michigan continue to be some of the lowest...little or no economic incentive" (p. 39). Why not use this capacity rather than spend money on other programs?
- Where are the facts and figures for dollar amounts, fees, special assessments, surcharges?
- The "Costs & Funding" on p. 119 look like taxes. Does the term "tax" appear in this document?
- Advanced Disposal pays fees to the DPW (p. 119). Where do they get their money?
- Appendix A, p. 123 says, "Avoided landfill disposal costs of diverted materials can be substantial." This is a big issue that took 123 pages to get to. Trash is expensive. How much does it cost to landfill vs. recycle or compost?
- A few years ago when the Western Washtenaw Recycling Center was expanded (through a Special Assessment District), recycled material commodity prices were much higher and the Center was making money. Now prices are lower. UM has stopped recycling glass, suggesting it be placed in ordinary trash. Does, and will, recycling pay for itself?
- Goals and Objectives (p. 4): Need more meat/numbers/metrics (dates, interim goals, percentages, dollars, tons, etc.) in establishing "realistic and measurable goals". How do we measure "working towards zero waste"? How/when will we know if these programs have been successful? If still no data or measurable positive progress after 5 years, do we just increase spending? Abandon program? Can we establish some quantifiable targets in this document? Having one of the Objectives for each Goal to establish goals is convoluted logic. Why should we support all these programs with no upfront metrics?
- Many, many small comments in red. Will send scan of markups on Wednesday, Need consistent use of terminology, formatting tables and lists, capitalizing "County", Oxford comma, use of numbers (ninety days vs. 90 days vs. ninety (90) days), hyphenated terms, citizens (lots of people in the County are not citizens) vs. residents vs. public, etc.
- Put Facility Descriptions (p. 16-36) in Appendix. 20+ pages of details this close to front of document kills interest in reading.
- Data sources are unknown or inconsistent and from different time periods.
- Data units in facility descriptions should be consistent (use of cu. yards or tons).
- The education and outreach discussion and narrative in the executive summary should specifically mention the need to educate to decrease contamination at roll offs. This is a big issue and the plan doesn't address it.
- Page 5: objective 2. Need to be more specific. Need to talk more about collaboration, need to define responsibility and roles.
- Page 5 objective 3: need to add section for education. Also strengthen language on objective 6. As written it is weak and vague.
- Page 10/11/Table 3: what model was used for those communities who didn't self report? Which communities self reported? The table does not tell us this.
- Table 3 page 11: need to add % diverted column.
- Page 19. City of AA biodigester study is complete.

- Page 39: consider adding requirements to contract language to measure tonnage.
- Page 39: consider adding a survey to determine participation in programs.
- Page 40 (item 5). The last sentence should read “incentives for recycling is addressed in Goal 2 (not goal 1).
- Page 40 Item 6 should also include illegal dumping in recycling drop off bins.
- Page 43. Data source is old.
- Page 65. “Conservation” is spelled wrong.
- Be more specific about roles and responsibilities. It is not Washtenaw County, but the different boards and staff that own responsibilities.
- Reduction and reuse are not given enough emphasis as strategies.
 - Curbside pick-up of reuseables
 - Maintain web site list of resale shops like Kiwanis, AAUU book sale, PTO Thrift Shop
 - Lobby for extension of the bottle bill to cover all bottles for drinks
 - Encourage use of reuseable bags at stores
 - Promote less use of paper in medical records
 - Develop personal take-out containers, customers bring their own
 - Modify packing or wrapping to make it reuseable or recyclable
- Regarding draft goals:
 - Encourage efficient and economical use of resources
 - Reduce waste and pollution
 - Consider long term effects of choices of utilization of resources
 - Make goals realistic
 - Annual review of goals is unrealistic; consider 2 or 5 year span of time
 - Zero waste reduction is unrealistic; consider an improvement of x% per 2-5 year period.
- Regarding evaluation of problems and deficiencies:
 - Must make recycling easy for people – single-stream and curbside.
 - Information how to sort garbage from recycling.
 - Understanding of costs to individuals, government.
 - Consider social justice issues.
- Regarding solid waste collection services and transportation infrastructure: encourage preferred hauler model; emphasize road benefits; work with WCRC.
- Regarding local ordinances and regulations: what about single-hauler contracts and requiring recyclables to be taken to local recycling MRFs rather than out of county?
- Regarding stakeholders
 - Municipal Governments: consider solid waste issues in site plan reviews to facilitate collection of recyclables
 - Waste Generators: calculate methods to reduce solid waste by their customers in how they use their products.



WASHTENAW COUNTY
Solid Waste Management Planning Committee

Thursday, October 19, 2017
Meeting Minutes

Meeting held:
Western County Service Center
Second Floor, Patrick Barrie Conference Room
705 N. Zeeb Road
Ann Arbor, MI 48103, 5:30PM

Attendance:					
Committee Members PRESENT					
Berki	Andrew	General Public	Spurr	John	General Public
Bonfiglio	Meghan	County Government	Stone	Nancy	General Public
Garfield	Mike	Environmental Interest Groups	Weinert	Bryan	Environmental Interest Groups
Gomes	Christina	City Government	Whittaker	Gary	Township Government
Gonyon	Pierre	Industrial Waste Generator	Committee Members ABSENT		
Hammer	Frank	Solid Waste Management Industry			
Lignell	Kirk	Solid Waste Management Industry			
Mazanec	Paul	Solid Waste Management Industry	Mangus	Amy	Regional Solid Waste Planning Agency
			Retell	Dave	Solid Waste Management Industry
Washtenaw County Support Present					
Bowman	Noelle	Solid Waste Program Specialist	Pelukas	Jon	Environmental Coordinator
Krcmarik	Jeff	Environmental Programs Supervisor	Tulman	Jon	Solid Waste Program Specialist

Also present: Drew Schmidt, Washtenaw County Board of Public Works

1. **Call to Order by committee co-chair (5:30PM)**
2. **Review and Approve 10/19/2017 Agenda**
 - a. Andy moves, Nancy seconds.
 - b. No discussion.
 - c. Agenda unanimously approved as printed.



WASHTENAW COUNTY Solid Waste Management Planning Committee

Thursday, October 19, 2017

Meeting Minutes

3. Public Comment – Related to Meeting Agenda Items

- a. None Mike Garfield must leave early.

4. Review and Approve Minutes from 4/12/2017 Meeting

- a. Nancy moves, Frank seconds.
- b. No discussion.
- c. Agenda unanimously as printed.

5. Old Business

- a. Update on Public Comment Period Activities
 - i. Jeff: Passes out public comments packet. Only includes the comments formally received during the public comment period. Other forms of public comment will also be included, including the survey, committee meetings, etc.
 - ii. Receive and File of Minutes from Public Meetings & Hearing

6. New Business

- a. Review of Proposed Modifications to Plan Amendment
 - i. Jeff (look to powerpoint slides): After April 12, we had two informational meetings (one located in Salem, and one in Chelsea) and a formal Public Hearing held at WISD Offices on Wagner Road in July. MDEQ was present at Public Hearing and also robust attendance and discussion. Received feedback, comments, concerns. The Plan was presented to Washtenaw County Board of Public Works (BPW) and were able to submit their feedback to be incorporated.
 - ii. Re-worked Goals 1 and 2, to show that we are aiming for zero waste and we will measure along the way to achieve that goal. (See the 2 two consecutive slides which show these changes.)
 - iii. Siting review, MDEQ had of feedback for this section.
 - iv. Also, lots of punctuation and grammar feedback received.
 - v. Executive Summary has been updated, which provides for an overview of the Plan for a more easy-to-read summation.
 - vi. Outstanding Items: Appendix C and Formatting.
- b. Update from County on Host Community Agreement
 - i. County and ADS have update and re-negotiated existing contract. Many components which were updated since the current HCA was finalized in 1999.



WASHTENAW COUNTY Solid Waste Management Planning Committee

Thursday, October 19, 2017

Meeting Minutes

- ii. Added penalty language. Methodology of measuring was updated. County asked for an annual audit to require business practices updates. Also, to double check reporting accuracy. Changes which help secure long term funding for Solid Waste Program. Also, tonnage restrictions, and associated penalties. Goes into effect January 1. "Favored nations" clause to give preference to in-County sites; rates for municipalities.
 - iii. BOC approved this on 10/18.
 - iv. John: looks to packet map and acreage. 337
- c. Review of Timeline of Plan Approval Process
- i. Will be sent to BPW, BOC and then LUGs in 2018.
- d. Approval of Draft Plan Amendment as Presented
- i. Pre-discussion:
 - 1. Paul: Thinks we have omitted a table. Page 66, references Page 13 table which is missing/changed. No import limitation listed, export limitations are there and consistent with plan but no import limitation. Table 13/14 missing.
 - 2. Meghan: will be corrected and modified in final formatting. Clarifies that they are not required to indicate authorized quantity [other than per the HCA]. This is per recommendation of the State of Michigan, MDEQ.
 - ii. **Bryan: Proposes a motion to approve Plan. Andy motions, Mike seconds.**
 - 1. Group Discussion:
 - a. Pierre: import authorization doesn't specify a [tonnage] amount. It just authorizes certain counties. On the export it does have a limit. Meghan clarifies, MDEQ feedback shared.
 - b. Details like grammar, Appendix C, etc. will be added.
 - c. Nancy: Executive Summary intro is very nice and smoothed over. Pierre agrees. Commends comments from public and BPW.
 - 2. **VOTE FOR APPROVAL:**
 - a. All in favor: Unanimous (for committee members present).
All opposed: None.
Abstention: None.
 - Plan Amendment 2017 UNANIMOUSLY APPROVED.**
 - 3. Bryan, committee Chair, commends the Solid Waste Planning Committee process and individual committee members.
- e. Next Steps for SWPC



WASHTENAW COUNTY Solid Waste Management Planning Committee

Thursday, October 19, 2017

Meeting Minutes

- i. Jeff: No additional or immediate steps required for the SWPC. The draft Plan will move on to the County Board of Commissioners for final approval late this year or early 2018. After BOC approval, the County will move on to meet the requirement the 2/3 approval from the 28 LUGs in Washtenaw. Once that 2/3 is secured, its sent on to MDEQ for final approval.
- ii. Jeff: County Staff will keep Committee posted on the process along the way.
- iii. Jeff: Would like individual members to participate in the LUG presentations.
- iv. 6-9 months after final MDEQ approval, per the Plan, we will initiate the PAC (Planning Advisory Committee) which seeks to establish a plan of action for Plan implementation. We got lots of great feedback at the 2 informational meetings and public hearing which we hope to utilize to hit ground running.
- v. Jeff: DPA is the BPW. There is a vacancy on the board, if anyone is interested please contact Jeff Krcmarik to be a BPW member. Wednesday mornings at 8:30, regarding PA 185 (recycling, waste management, lakes projects) and oversees implementation of PA 185 which is legislative mechanism to approve policies for solid waste. Drew Schmidt, present at meeting, offers to talk to any interested members.

7. **Public Comment** – General – Unrelated to Current Meeting Agenda Items

a. Items addressed:

- i. Thanks everyone for t heir time and considering the neighbors and community surrounding the dump and thank you for listening and for all the time you have put in.
- ii. Drew Schmidt: sits on BPW. On behalf of the board, want to express their appreciation for seeing this through. Thank you.
- iii. Bryan: Thanks Anna and RRS. She in particular has put in a tremendous amount of time through this process.
- iv. Mike: Thank you to Bryan for serving as chair.
- v. Bryan: no meeting on 11/8

8. **Adjournment (6:17PM)**

WASHTENAW COUNTY BOARD OF PUBLIC WORKS

At a Regular meeting of the Board of Public Works of the County of Washtenaw, Michigan, held at 705 North Zeeb Road, Ann Arbor, Michigan, on November 15, 2017 at 8:30 a.m. Eastern Time, there were:

PRESENT: WALZ, FEINMAN, DRIES, PRATT, SCHMIDT, MACIEJEWSKI

ABSENT: EVERETT

The following resolution was offered by Schmidt and supported by Maciejewski:

A RESOLUTION TO APPROVE THE 2017 WASHTENAW COUNTY SOLID WASTE MANAGEMENT PLAN AMENDMENT

WHEREAS, Washtenaw County is, per requirements of Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, and as enforced by the Michigan Department of Environmental Quality (MDEQ), currently undergoing the amendment process for its Solid Waste Management Plan (Plan); and

WHEREAS, in furtherance of the abovementioned statutory requirements, the Washtenaw County Board of Commissioners, in August 2015, appointed a fourteen-member Solid Waste Planning Committee to develop a Plan amendment; and

WHEREAS, the Plan includes a proactive strategy for Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and compost, with an overarching goal of zero waste, and to assure long-term capacity for disposal of waste generated within Washtenaw County; and

WHEREAS, the Plan amendment was formally approved by the Solid Waste Management Planning Committee on October 19, 2017; and

WHEREAS, as appointed by the Board of Commissioners, the Board of Public Works (BPW) serves as the designated planning agency for the Plan, and therefore Plan approval from the BPW is required before final BOC and MDEQ approval can take place; and

WHEREAS, in furtherance of the Plan amendment process, at a Special Meeting held on Thursday September 7, 2017, the BPW unanimously approved the accompanying Host-Community Agreement.

NOW THEREFORE IT BE RESOLVED that the Washtenaw County BPW approves the Plan amendment; and

BE IT FURTHER RESOLVED that the Washtenaw BPW hereby directs the Director of Public Works to forward the Plan amendment to the Washtenaw County Board of Commissioners for final approval, upon which the Department of Public Works will present the Plan for consideration to all twenty-eight Washtenaw County's Local Units of Government, upon approval from two-thirds of the Local Units of Government, the Plan will then be sent to the MDEQ for ultimate Plan approval.

WASHTENAW COUNTY BOARD OF PUBLIC WORKS

AYES: WALZ, DRIES, SCHMIDT, EVERETT, MACIEJEWSKI, PRATT

NAYS: NONE

ABSENT: EVERETT

ABSTAIN: NONE

WASHTENAW COUNTY BOARD OF PUBLIC WORKS

CERTIFICATION

The undersigned, being the duly qualified and acting Secretary of the Board of Public Works, Washtenaw County, Michigan, does hereby certify that the foregoing is a true and complete copy of a resolution duly adopted by the Board of Public Works at a meeting held on November 15, 2017, at which meeting a quorum was present and remained throughout and that an original of such resolution is on file in the records of the Board of Public Works. I further certify that the meeting was conducted, and public notice thereof was given, pursuant to and in fully compliance with Act 267, Michigan Public Acts of 1976, as amended, and that minutes were kept and will be or have been made available as required thereby.


Secretary, Board of Public Works
James Dries

DATED: November 15, 2017

A RESOLUTION TO APPROVE THE 2017 WASHTENAW COUNTY
SOLID WASTE MANAGEMENT PLAN, AS AMENDED

WASHTENAW COUNTY BOARD OF COMMISSIONERS

December 6, 2017

WHEREAS, the Washtenaw County Solid Waste Management Plan (Plan), per the requirements of Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, and as enforced by the Michigan Department of Environmental Quality (MDEQ), is currently undergoing the amendment process as authorized by the Washtenaw County Board of Commissioners on April 15, 2015 (Resolution No. 15-0077); and

WHEREAS, in furtherance of the abovementioned statutory requirements, the Washtenaw County Board of Commissioners appointed in August 2015 (Resolution No. 15-0121) and re-appointed in September 2017 (Resolution 17-135) a fourteen-member Solid Waste Planning Committee to make necessary amendments to the Plan; and

WHEREAS, the 2017 Plan as amended includes a proactive strategy for Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and compost, with an overarching goal of zero waste, and to assure long-term capacity for disposal of waste generated within Washtenaw County; and

WHEREAS, the 2017 Plan as amended was formally approved by the Solid Waste Management Planning Committee on October 19, 2017; and

WHEREAS, the Washtenaw County Board of Public Works, acting as the Designated Planning Agency for the Plan as authorized by the Board of Commissioners, formally approved the 2017 Plan amendment on November 15, 2017; and

WHEREAS, the 2017 Plan as amended has been reviewed by Corporation Counsel, the Finance Department, Human Resources, the County Administrator's Office, and the Ways & Means Committee; and

WHEREAS, in furtherance of the Plan amendment process, the Board of Commissioners approved the accompanying Host Community Agreement on October 18, 2017 (Resolution No. 17-165).

NOW, THEREFORE, BE IT RESOLVED that the Washtenaw County Board of Commissioners hereby approves the 2017 Plan, as amended; and

BE IT FURTHER RESOLVED that, upon Board of Commissioners' approval of the 2017 Plan amendment, the Department of Public works will then present it for consideration to all twenty-eight of Washtenaw County's Local Units of Government, and then finally

to the MDEQ for ultimate Plan approval allowing for formal 2017 Plan adoption by Washtenaw County.

COMMISSIONER	Y	N	A	COMMISSIONER	Y	N	A	COMMISSIONER	Y	N	A
Brabec	X			LaBarre	X			Smith	X		
Deatrick	X			Martinez-Kratz	X						
Jamnick	X			Morgan	X						
Jefferson	X			Ping			X				

CLERK/REGISTER'S CERTIFICATE - CERTIFIED COPY

ROLL CALL VOTE:

8 0 1

STATE OF MICHIGAN)

I, Lawrence Kestenbaum, Clerk/Register of said County of Washtenaw and Clerk of Circuit Court for said County, do hereby certify that the foregoing is a true and accurate copy of a resolution adopted by the Washtenaw County Board of Commissioners at a session held at the County Administration Building in the City of Ann Arbor, Michigan, on December 6th, 2017, as it appears of record in my office.

COUNTY OF WASHTENAW)^{SS}.

In Testimony Whereof, I have hereunto set my hand and affixed the seal of said Court at Ann Arbor, this 7th day of December, 2017.

LAWRENCE KESTENBAUM, Clerk/Register

BY: _____ Deputy Clerk



Res. No. 17-211

A RESOLUTION TO APPROVE THE WASHTENAW COUNTY
SOLID WASTE MANAGEMENT PLAN 2017 AMENDMENT

WHEREAS, Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have a Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with state laws and rules; and

WHEREAS, in furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14-member Solid Waste Planning Committee in August 2015 to amend Washtenaw County's 1999 Solid Waste Management Plan; and

WHEREAS, pursuant to Michigan statute, the draft Solid Waste Management Plan amendment was opened to a lengthy and robust public comment period, held from April through October 2017; and

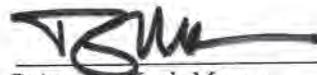
WHEREAS, the Plan language promotes municipal and residential coordination and collaboration with Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and composting; and

WHEREAS, On December 6, 2017, the Washtenaw County Solid Waste Management Plan 2017 Amendment was formally approved by the Washtenaw County Board of Commissioners and will next be presented to the twenty-eight jurisdictions within Washtenaw County for their consideration and action of approval prior to submittal to the Michigan Department of Environmental Quality for final approval.

NOW, THEREFORE, BE IT RESOLVED, that the City of Saline supports the Washtenaw County Solid Waste Management Plan 2017 Amendment; and

BE IT FURTHER RESOLVED, that the City of Saline approves the Washtenaw County Solid Waste Management Plan 2017 Amendment, and supports the Plan being submitted to the Michigan Department of Environmental Quality for final approval.

*I hereby set my hand and seal this
2nd day of April, 2018.*



*Brian D. Marl, Mayor
City of Saline, Michigan*

**A RESOLUTION TO APPROVE THE WASHTENAW COUNTY
SOLID WASTE MANAGEMENT PLAN 2017 AMENDMENT**

WHEREAS, Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have a Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with state laws and rules; and

WHEREAS, in furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14-member Solid Waste Planning Committee in August 2015 to amend Washtenaw County's 1999 Solid Waste Management Plan; and

WHEREAS, pursuant to Michigan statute, the draft Solid Waste Management Plan amendment was opened to a lengthy and robust public comment period, held from April through October 2017; and

WHEREAS the Plan language promotes municipal and residential coordination and collaboration with Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and composting; and

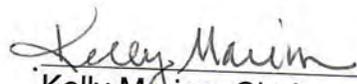
WHEREAS, On December 6, 2017, the Washtenaw County Solid Waste Management Plan 2017 Amendment was formally approved by the Washtenaw County Board of Commissioners and will next be presented to the twenty-eight jurisdictions within Washtenaw County for their consideration and action of approval prior to submittal to the Michigan Department of Environmental Quality for final approval.

NOW, THEREFORE, BE IT RESOLVED, that Saline Township Board of Trustees supports the Washtenaw County Solid Waste Management Plan 2017 Amendment; and

BE IT FURTHER RESOLVED, that Saline Township Board of Trustees approves the Washtenaw County Solid Waste Management Plan 2017 Amendment, and supports the Plan being submitted to the Michigan Department of Environmental Quality for final approval.

Ayes: 14
Nays: 0
Absent: 1

The Township Clerk declared the resolution adopted on 2.12., 2018.



Kelly Marion, Clerk
Saline Township

**RESOLUTION TO APPROVE THE WASHTENAW COUNTY
SOLID WASTE MANAGEMENT PLAN 2017 AMENDMENT**

Motion: PALMER, Support: HEDBERG

WHEREAS, Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have a Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with state laws and rules; and

WHEREAS, in furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14-member Solid Waste Planning Committee in August 2015 to amend Washtenaw County's 1999 Solid Waste Management Plan; and

WHEREAS, pursuant to Michigan statute, the draft Solid Waste Management Plan amendment was opened to a lengthy and robust public comment period, held from April through October 2017; and

WHEREAS, the Plan language promotes municipal and residential coordination and collaboration with Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and composting; and

WHEREAS, On December 6, 2017, the Washtenaw County Solid Waste Management Plan 2017 Amendment was formally approved by the Washtenaw County Board of Commissioners and will next be presented to the twenty-eight jurisdictions within Washtenaw County for their consideration and action of approval prior to submittal to the Michigan Department of Environmental Quality for final approval.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Trustees of the Township of Scio supports the Washtenaw County Solid Waste Management Plan 2017 Amendment; and

BE IT FURTHER RESOLVED that the Board of Trustees of the Township of Scio approves the Washtenaw County Solid Waste Management Plan 2017 Amendment, and supports the Plan being submitted to the Michigan Department of Environmental Quality for final approval.

**TOWNSHIP OF SCIO,
WASHTENAW COUNTY, MICHIGAN**

M. Jack Knowles
M. Jack Knowles, Supervisor

Nancy C. Hedberg
Nancy C. Hedberg, Clerk

CERTIFICATION:

I, Nancy Hedberg, Clerk of the Township of Scio, County of Washtenaw, Michigan, do hereby certify that the foregoing is a true and complete copy of a resolution approved by the Board of Trustees on the 13th day of February, 2018.

In witness hereof, I have hereunto affixed my official seal this 13th day of February 2018.



Nancy C. Hedberg
Nancy C. Hedberg, Clerk,
Township of Scio

SHARON TOWNSHIP RESOLUTION TO APPROVE THE WASHTENAW COUNTY SOLID WASTE MANAGEMENT PLAN 2017 AMENDMENT

WHEREAS, Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have a Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with state laws and rules; and

WHEREAS, in furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14-member Solid Waste Planning Committee in August 2015 to amend Washtenaw County's 1999 Solid Waste Management Plan; and

WHEREAS, pursuant to Michigan statute, the draft Solid Waste Management Plan amendment was opened to a lengthy and robust public comment period, held from April through October 2017; and

WHEREAS, the Plan language promotes municipal and residential coordination and collaboration with Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and composting; and

WHEREAS, On December 6, 2017, the Washtenaw County Solid Waste Management Plan 2017 Amendment was formally approved by the Washtenaw County Board of Commissioners and will next be presented to the twenty-eight jurisdictions within Washtenaw County for their consideration and action of approval prior to submittal to the Michigan Department of Environmental Quality for final approval.

NOW, THEREFORE, BE IT RESOLVED, that Sharon Township supports the Washtenaw County Solid Waste Management Plan 2017 Amendment; and

BE IT FURTHER RESOLVED, that Sharon Township approves the Washtenaw County Solid Waste Management Plan 2017 Amendment, and supports the Plan being submitted to the Michigan Department of Environmental Quality for final approval.

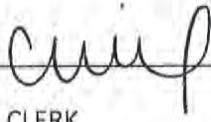
The foregoing resolution offered by: Mike

And supported by: COOPER

Upon roll call vote, the following voted "Aye"
MIKE, PSAROUTNAKIS, SUMANS, COOPER

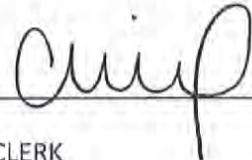
The following voted "Nay"

The supervisor declared the resolution adopted.



CLERK

I, Chelsea Michel, the duly elected Clerk of Sharon Township, hereby certify that the foregoing resolution was adopted by the Sharon Township Board at the regular meeting on April 5, 2018^{am} at which meeting a quorum was present, by roll call vote of said members as hereinbefore set forth; that said resolution was ordered to take immediate effect.



CLERK

**CHARTER TOWNSHIP OF SUPERIOR
WASHTENAW COUNTY, MICHIGAN**

**RESOLUTION TO APPROVE THE WASHTENAW COUNTY
SOLID WASTE MANAGEMENT PLAN 2017 AMENDMENT**

Resolution Number: 2018-04

March 19, 2018

WHEREAS, Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have a Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with state laws and rules; and,

WHEREAS, in furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14-member Solid Waste Planning Committee in August 2015 to amend Washtenaw County's 1999 Solid Waste Management Plan; and,

WHEREAS, pursuant to Michigan statute, the draft Solid Waste Management Plan amendment was opened to a lengthy and robust public comment period, held from April through October 2017; and,

WHEREAS, the Plan language promotes municipal and residential coordination and collaboration with Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and composting; and,

WHEREAS, On December 6, 2017, the Washtenaw County Solid Waste Management Plan 2017 Amendment was formally approved by the Washtenaw County Board of Commissioners and will next be presented to the twenty-eight jurisdictions within Washtenaw County for their consideration and action of approval prior to submittal to the Michigan Department of Environmental Quality for final approval.

NOW, THEREFORE, BE IT RESOLVED that the Charter Township of Superior supports the Washtenaw County Solid Waste Management Plan 2017 Amendment; and,

BE IT FURTHER RESOLVED that the Charter Township of Superior approves the Washtenaw County Solid Waste Management Plan 2017 Amendment, and supports the Plan being submitted to the Michigan Department of Environmental Quality for final approval.

RESOLUTION 18-2
A RESOLUTION TO APPROVE THE WASHTENAW COUNTY
SOLID WASTE MANAGEMENT PLAN 2017 AMENDMENT

WHEREAS, Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have a Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with state laws and rules; and

WHEREAS, in furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14-member Solid Waste Planning Committee in August 2015 to amend Washtenaw County's 1999 Solid Waste Management Plan; and

WHEREAS, pursuant to Michigan statute, the draft Solid Waste Management Plan amendment was opened to a lengthy and robust public comment period, held from April through October 2017; and

WHEREAS, the Plan language promotes municipal and residential coordination and collaboration with Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and composting; and

WHEREAS, On December 6, 2017, the Washtenaw County Solid Waste Management Plan 2017 Amendment was formally approved by the Washtenaw County Board of Commissioners and will next be presented to the twenty-eight jurisdictions within Washtenaw County for their consideration and action of approval prior to submittal to the Michigan Department of Environmental Quality for final approval.

NOW, THEREFORE, BE IT RESOLVED, that Sylvan Township supports the Washtenaw County Solid Waste Management Plan 2017 Amendment; and

BE IT FURTHER RESOLVED, that Sylvan Township approves the Washtenaw County Solid Waste Management Plan 2017 Amendment, and supports the Plan being submitted to the Michigan Department of Environmental Quality for final approval.

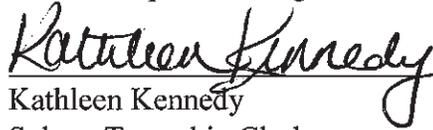
AYES: Members: Supervisor Tom McKernan, Treasurer Rod Branham, Clerk Kathleen Kennedy, Trustee Kurt Koseck, and Trustee Cyndi Jabara

NAYS: Members: None.

RESOLUTION DECLARED ADOPTED.

STATE OF MICHIGAN)
COUNTY OF WASHTENAW)

I, Kathleen Kennedy, Sylvan Township Clerk, do hereby certify that the above Resolution was adopted by a roll call vote of the Sylvan Township Board on the 6th day of April, 2018. I further certify that said Resolution was adopted in accordance with the Open Meetings Act.



Kathleen Kennedy
Sylvan Township Clerk

Dated:

WEBSTER TOWNSHIP
Washtenaw County, Michigan

Resolution 01-18

Minutes of a Regular Meeting of the Township Board of Webster Township, Washtenaw County, Michigan held at the Township Hall, 5665 Webster Church Road in said Township, on the 20th day of February, 2018 at 7:00 p.m.

PRESENT: Westman, Whitney, Kingsley, Calleja, Scharf, Kleinschmidt, Koch

ABSENT: None

The following preamble and resolution were offered by Member Westman and supported by Member Koch:

WHEREAS, Part 115 of the Natural Resources and Environmental Protection Act PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have a Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with State laws and rules; and

WHEREAS, in furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14 member Solid Waste Planning Committee in August 2015 to amend Washtenaw County's 1999 Solid Waste Management Plan; and

WHEREAS, pursuant to Michigan statute, the draft Solid Waste Management Plan amendment was opened to lengthy and robust public comment period, held April through October 2017; and

WHEREAS, the Plan language promotes municipal and residential coordination and collaboration with Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and composting; and

WHEREAS, on December 6, 2017, the Washtenaw County Solid Waste Management Plan 2017 Amendment was formally approved by the Washtenaw County Board of Commissioners and will next be presented to the twenty-eight jurisdictions within Washtenaw County for their consideration and action of approval prior to submittal to the Michigan Department of Environmental Quality for final approval.

NOW THEREFORE BE IT RESOLVED, that Webster Township supports the Washtenaw County Solid Waste Management Plan 2017 Amendment; and

BE IT FURTHER RESOLVED, that Webster Township approves the Washtenaw County Solid Waste Management Plan 2017 Amendment, and supports the Plan being submitted to the Michigan Department of Environmental Quality for final approval.

ROLL CALL VOTE:

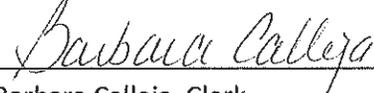
AYES: Westman, Whitney, Kingsley, Calleja, Scharf, Kleinschmidt, Koch

NAYES: None

ABSENT: None

ABSTAIN: None

RESOLUTION DECLARED ADOPTED



Barbara Calleja, Clerk

Dated: February 20, 2018

**CHARTER TOWNSHIP OF YORK
WASHTENAW COUNTY, MICHIGAN**

RESOLUTION #2018-12

**A RESOLUTION TO APPROVE THE WASHTENAW COUNTY
SOLID WASTE MANAGEMENT PLAN 2017 AMENDMENT**

Minutes of a Regular meeting of the Board of Trustees of the Charter Township of York, Washtenaw County, Michigan, held at the York Township Hall, 11560 Stony Creek Rd. in said Township, on the 10th day of April 2018 at 7:30 p.m.

PRESENT: Chuck Tellas, Helen Neill, Sally Louis, Derek Stern, John Hargrove, Brian Iott, Dan Pichla

ABSENT: None.

The following resolution was offered by Member Sally Louis and seconded by Member Brian Iott.

WHEREAS, Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have a Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with state laws and rules; and

WHEREAS, in furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14-member Solid Waste Planning Committee in August 2015 to amend Washtenaw County's 1999 Solid Waste Management Plan; and

WHEREAS, pursuant to Michigan statute, the draft Solid Waste Management Plan amendment was opened to a lengthy and robust public comment period, held from April through October 2017; and

WHEREAS, the Plan language promotes municipal and residential coordination and collaboration with Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and composting; and

WHEREAS, on December 6, 2017, the Washtenaw County Solid Waste Management Plan 2017 Amendment was formally approved by the Washtenaw County Board of Commissioners and will next be presented to the twenty-eight jurisdictions within Washtenaw County for their consideration and action of approval prior to submittal to the Michigan Department of Environmental Quality for final approval.

NOW, THEREFORE, BE IT RESOLVED, that the Charter Township of York supports the Washtenaw County Solid Waste Management Plan 2017 Amendment; and

BE IT FURTHER RESOLVED, that the Charter Township of York approves the Washtenaw County Solid Waste Management Plan 2017 Amendment and supports the Plan being submitted to the Michigan Department of Environmental Quality for final approval.

Upon a Roll Call Vote, the following voted:

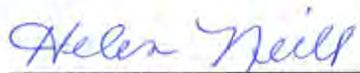
Aye: Stern, Hargrove, Pichla, Iott, Neill, Tellas, Louis

Nay: None.

Absent: None.

Abstain: None.

Resolution declared adopted.



Helen Neill, Clerk, Charter Township of York

Dated: April 10, 2018

CERTIFICATE

I, Helen Neill, certify that the foregoing is a true and complete copy of Resolution #2018-12 adopted by the Township Board for the Charter Township of York, County of Washtenaw, State of Michigan, at a regular meeting held on the 10th day of April, 2018, and that public notice of said meeting was given pursuant to Act No. 267, Public Acts of Michigan, 1976, as amended.



Helen Neill, Clerk, Charter Township of York

Dated: April 17, 2018



**RESOLUTION TO APPROVE THE WASHTENAW COUNTY
SOLID WASTE MANAGEMENT PLAN 2017 AMENDMENT**

WHEREAS, Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have a Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with state laws and rules; and

WHEREAS, in furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14-member Solid Waste Planning Committee in August 2015 to amend Washtenaw County's 1999 Solid Waste Management Plan; and

WHEREAS, pursuant to Michigan statute, the draft Solid Waste Management Plan amendment was opened to a lengthy and robust public comment period, held from April through October 2017; and

WHEREAS, the Plan language promotes municipal and residential coordination and collaboration with Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and composting; and

WHEREAS, On December 6, 2017, the Washtenaw County Solid Waste Management Plan 2017 Amendment was formally approved by the Washtenaw County Board of Commissioners and will next be presented to the 28 jurisdictions within Washtenaw County for their consideration and action of approval prior to submittal to the Michigan Department of Environmental Quality for final approval.

NOW, THEREFORE, BE IT RESOLVED, that the Ypsilanti City Council supports the Washtenaw County Solid Waste Management Plan 2017 Amendment; and

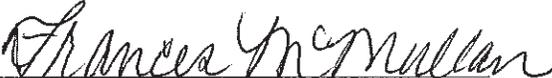
BE IT FURTHER RESOLVED, that the Ypsilanti City Council approves the Washtenaw County Solid Waste Management Plan 2017 Amendment, and supports the Plan being submitted to the Michigan Department of Environmental Quality for final approval.

OFFERED BY: Council Member Bashert

SUPPORTED BY: Council Member Vogt

YES: 7 NO: 0 ABSENT: 0 VOTE: Carried

I do hereby certify that the above resolution is a true and correct copy of Resolution 2018-046 as passed by the Ypsilanti City Council, at their meeting held on March 6, 2018.


Frances McMullan, City Clerk

Supervisor
BRENDA L. STUMBO
Clerk
KAREN LOVEJOY ROE
Treasurer
LARRY J. DOE
Trustees
STAN ELDRIDGE
HEATHER JARRELL ROE
MONICA ROSS WILLIAMS
JIMMIE WILSON, JR.



Charter Township of Ypsilanti

Clerk's Office

7200 S. Huron River
Drive
Ypsilanti, MI 48197
Phone: (734) 484-4700
Fax: (734) 484-5156

April 4, 2018

Evan Pratt
Water Resource Commissioner
Director of Public Works
705 N. Zeeb Rd.
PO Box 8645
Ann Arbor, MI 48103

RE: ***Resolution 2018-06, Approval of the Washtenaw County Solid Waste Management Plan 2017 Amendment***

Dear Mr. Pratt:

At the Regular Meeting held on April 3, 2018 the Charter Township of Ypsilanti Board of Trustees approved Resolution 2018-06, Washtenaw County Solid Waste Management Plan 2017 Amendment.

Enclosed is a certified copy of the resolution.

If you have any questions, please do not hesitate to contact my office.

Sincerely,

Karen Lovejoy Roe
Clerk

Enclosures

lrs

cc: File

Charter Township of Ypsilanti

RESOLUTION NO. 2018-06

A Resolution to Approve the Washtenaw County Solid Waste Management Plan 2017 Amendment

WHEREAS, Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have a Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with state laws and rules; and

Whereas, in furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14-member Solid Waste Planning Committee in August 2015 to amend Washtenaw County's 1999 Solid Waste Management Plan; and

Whereas, pursuant to Michigan statute, the draft Solid Waste Management Plan amendment was opened to a lengthy and robust public comment period, held from April through October 2017; and

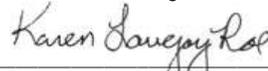
Whereas, the Plan language promotes municipal and residential coordination and collaboration with Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and composting; and

Whereas, on December 6, 2017, the Washtenaw County Solid Waste Management Plan 2017 Amendment was formally approved by the Washtenaw County Board of Commissioners and will next be presented to the twenty-eight jurisdictions within Washtenaw County for their consideration and action for approval prior to submittal to the Michigan Department of Environmental Quality for final approval.

Now, Therefore, Be It Resolved, that the Charter Township of Ypsilanti supports the Washtenaw County Solid Waste Management Plan 2017 Amendment; and

Be It Further Resolved, that the Charter Township of Ypsilanti approves the Washtenaw County Solid Waste Management Plan 2017 Amendment, and supports the Plan being submitted to the submitted to the Michigan Department of Environmental Quality for final approval.

I, Karen Lovejoy Roe, Clerk of the Charter Township of Ypsilanti, County of Washtenaw, State of Michigan hereby certify the above resolution is a true and exact copy of Resolution No. 2018-06 approved by the Charter Township of Ypsilanti, Board of Trustees assembled at a Regular Meeting held on April 3, 2018.



Karen Lovejoy Roe, Clerk
Charter Township of Ypsilanti



City of Ann Arbor

301 E. Huron St.
Ann Arbor, MI 48104
<http://a2gov.legistar.com/Calendar.aspx>

Master

File Number: 17-2102

File ID: 17-2102

Type: Resolution

Status: Passed

Version: 1

Reference:

Controlling Body: City Council

File Created Date : 01/16/2018

* **File Name:** 1/16/18 Resolution to Approve the 2017 Washtenaw County Solid Waste Management Plan Amendment

Final Action: 01/16/2018

Amendment

Title: Resolution to Approve the 2017 Washtenaw County Solid Waste Management Plan Amendment

Notes:

Sponsors: Environmental Commission

Enactment Date: 01/16/2018

Attachments: reduced size WC SWMP Exec Summary Nov 2017.pdf, WC_SWMP_Web.pdf, washtenaw cty one pager V4.pdf, SWMP Informational Slide Deck_Nov 2017.pdf

Enactment Number: R-18-001

Drafter/Contact:

Hearing Date:

* **Admin/Mgr:** Craig Hupy, Public Services Area Administrator

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	01/16/2018	Approved Yeas: 0 Nays: 0				Pass

Text of Legislative File 17-2102

Resolution to Approve the 2017 Washtenaw County Solid Waste Management Plan Amendment

Whereas, Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have a Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with state laws and rules;

Whereas, In furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14-member Solid Waste Planning Committee in August 2015 to amend Washtenaw County's 1999 Solid Waste Management Plan both in response to a request to expand the Arbor Hills Landfill and to reflect updated solid waste and recycling goals, objectives, and priorities;

Whereas, The City of Ann Arbor's Solid Waste and Recycling Program Coordinator Christina Gomes was appointed to represent the mandated "city government" seat on the Solid Waste Planning Committee;

Whereas, Pursuant to Michigan statute, the draft Solid Waste Management Plan amendment was opened to a lengthy and robust public comment period, held from April through October 2017, which included a presentation to the City of Ann Arbor's Environmental Commission on July 27, 2017;

Whereas, On December 6, 2017, the 2017 Washtenaw County Solid Waste Management Plan Amendment was formally approved by the Washtenaw County Board of Commissioners, and must next be presented to the twenty-eight jurisdictions within Washtenaw County for their consideration and approval action prior to submittal to the Michigan Department of Environmental Quality for final approval; and

Whereas, On December 7, 2017, the Ann Arbor Environmental Commission unanimously passed a resolution supporting the 2017 Washtenaw County Solid Waste Management Plan Amendment, and recommending that the Ann Arbor City Council approve the 2017 Washtenaw County Solid Waste Management Plan Amendment and support the amended plan being submitted to the Michigan Department of Environmental Quality for final State approval;

RESOLVED, That Ann Arbor City Council support the 2017 Washtenaw County Solid Waste Management Plan Amendment; and

RESOLVED, That Ann Arbor City Council approve the 2017 Washtenaw County Solid Waste Management Plan Amendment, and supports the amended plan being submitted to the Michigan Department of Environmental Quality for final State approval.

STATE OF MICHIGAN
COUNTY OF WASHTENAW
AUGUSTA CHARTER TOWNSHIP

A RESOLUTION TO APPROVE THE WASHTENAW COUNTY
SOLID WASTE MANAGEMENT PLAN 2017 AMENDMENT

RESOLUTION 18-03

WHEREAS, Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have a Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with state laws and rules; and

WHEREAS, in furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14-member Solid Waste Planning Committee in August 2015 to amend Washtenaw County's 1999 Solid Waste Management Plan; and

WHEREAS, pursuant to Michigan statute, the draft Solid Waste Management Plan amendment was opened to a lengthy and robust public comment period, held from April through October 2017; and

WHEREAS, the Plan language promotes municipal and residential coordination and collaboration with Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and composting; and

WHEREAS, On December 6, 2017, the Washtenaw County Solid Waste Management Plan 2017 Amendment was formally approved by the Washtenaw County Board of Commissioners and will next be presented to the twenty-eight jurisdictions within Washtenaw County for their consideration and action of approval prior to submittal to the Michigan Department of Environmental Quality for final approval.

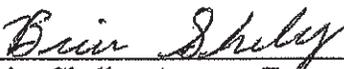
NOW, THEREFORE, BE IT RESOLVED, that Augusta Charter Township supports the Washtenaw County Solid Waste Management Plan 2017 Amendment; and

BE IT FURTHER RESOLVED, that Augusta Charter Township approves the Washtenaw County Solid Waste Management Plan 2017 Amendment, and supports the Plan being submitted to the Michigan Department of Environmental Quality for final approval.

Motion to approve Resolution 18-03 was offered by Domas and seconded by Shelby.

Roll Call: Aye: Burek, Chie, Domas, Howard, Knick, Ortiz, Shelby
Nay: 0 Absent: None

RESOLUTION DECLARED ADOPTED.



Brian Shelby, Augusta Township Supervisor

CERTIFICATE

I, Belynda Domas, the elected and acting Clerk of Augusta Charter Township, hereby certify that the foregoing resolution was adopted by the Township Board, as presented at a meeting on February 26, 2018 at which meeting a quorum was present by a roll call vote of said members as herein set forth; that said resolution was ordered to take immediate effect.



Belynda Domas, Augusta Charter Township Clerk

**BARTON HILLS VILLAGE
WASHTENAW COUNTY, MICHIGAN**

**[Resolution To Approve the Washtenaw County
Solid Waste Management Plan 2017 Amendment]**

Minutes of a Regular Meeting of the Board of Trustees of Barton Hills Village, Washtenaw County, Michigan held at Walter Esch Hall on the 12th day of March, 2018 at 6:00 o'clock p.m.

PRESENT: Al-Awar, Benson, Boddie, Butterwick
Mackrell, Popp, Smith, Torres

ABSENT: Langford

The following preamble and resolution were offered by Trustee Mackrell and supported by Trustee Popp.

WHEREAS, Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have a Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with state laws and rules; and

WHEREAS, in furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14-member Solid Waste Planning Committee in August 2015 to amend Washtenaw County's 1999 Solid Waste Management Plan; and

WHEREAS, pursuant to Michigan statute, the draft Solid Waste Management Plan amendment was opened to a lengthy and robust public comment period, held from April through October 2017; and

WHEREAS, the Plan language promotes municipal and residential coordination and collaboration with Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and composting; and

WHEREAS, on December 6, 2017, the Washtenaw County Solid Waste Management Plan 2017 Amendment was formally approved by the Washtenaw County Board of Commissioners and will next be presented to the twenty-eight jurisdictions within Washtenaw County for their consideration and action of approval prior to submittal to the Michigan Department of Environmental Quality for final approval.

NOW, THEREFORE, BE IT RESOLVED, that Barton Hills Village supports the Washtenaw County Solid Waste Management Plan 2017 Amendment; and

BE IT FURTHER RESOLVED, that Barton Hills Village approves the Washtenaw County Solid Waste Management Plan 2017 Amendment, and supports the Plan being submitted to the Michigan Department of Environmental Quality for final approval.

The following Trustees voted:

AYES: Al-Awar, Benson, Boddie, Butterwick
Mackrell, Papp, Smith, Torres

NAYS: None

ABSTAIN: None

RESOLUTION DECLARED ADOPTED

Cheryl Mackrell
Cheryl Mackrell
Barton Hills Village Clerk
Dated: March 12, 2018

CERTIFICATE

I hereby certify that the foregoing is a true and complete copy of a resolution adopted by the Board of Trustees of Barton Hills Village, County of Washtenaw, State of Michigan at a regular meeting held on the 12th day of March, 2018; that said meeting was conducted and public notice of said meeting was given pursuant to and in full compliance with the Open Meetings Act, being Act 267, Public Acts of Michigan, 1976, and that the minutes of said meeting were kept and will be or have been made available as required by the Open Meetings Act.

Cheryl Mackrell
Cheryl Mackrell
Barton Hills Village Clerk
Dated: March 12, 2018

**BRIDGEWATER TOWNSHIP BOARD OF TRUSTEES
RESOLUTION TO APPROVE THE WASHTENAW COUNTY SOLID
WASTE MANAGEMENT PLAN 2017 AMENDMENT
RESOLUTION NUMBER 2018-10**

WHEREAS, Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have a Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with state laws and rules; and

WHEREAS, in furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14-member Solid Waste Planning Committee in August 2015 to amend Washtenaw County's 1999 Solid Waste Management Plan; and

WHEREAS, pursuant to Michigan statute, the draft Solid Waste Management Plan amendment was opened to a lengthy and robust public comment period, held from April through October 2017; and

Whereas, On 6-Dec-17, the 2017 Washtenaw County Solid Waste Management Plan Amendment was formally approved by the Washtenaw County Board of Commissioners and will next be presented to the twenty-eight jurisdictions within Washtenaw County for their consideration and action of approval prior to submittal to the Michigan Department of Environmental Quality for final approval; and

RESOLVED, Bridgewater Township Board of Trustees supports the 2017 Washtenaw County Solid Waste Management Plan Amendment; and,

RESOLVED, Bridgewater Township Board of Trustees approves the 2017 Washtenaw County Solid Waste Management Plan Amendment and supports the plan being submitted to the Michigan Department of Environmental Quality for final State approval.

The foregoing resolution offered by Trustee Faust and seconded by Trustee Oliver.

Upon roll call vote the following voted:

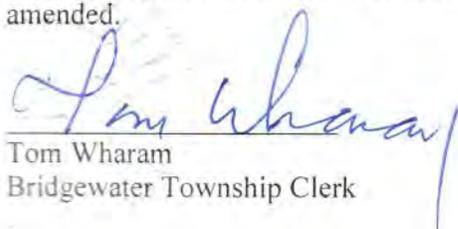
AYE: Faust, Fromhart, McQueer, Oliver, Wharam
NAY: N/A

ABSENT: N/A
ABSTAIN: N/A

The Supervisor declared Resolution Number 2018-10 duly adopted.

Certification by the Clerk

I, Tom Wharam, the undersigned Clerk of the Township of Bridgewater, hereby certify that the foregoing resolution is a true and complete copy of a resolution adopted at a regular meeting of the Board of Trustees of the Township of Bridgewater, held on 3-May-18, the original of which is on file in my office, and that notice of such meeting was given, and the meeting was conducted, pursuant to and in compliance with Act No. 267, Michigan Public acts of 1976, as amended.


Tom Wharam
Bridgewater Township Clerk

CITY OF CHELSEA
RESOLUTION TO APPROVE THE WASHTENAW COUNTY SOLID WASTE
MANAGEMENT PLAN 2017 AMENDMENT

WHEREAS, Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have a Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with state laws and rules; and

WHEREAS, in furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14-member Solid Waste Planning Committee in August 2015 to amend Washtenaw County's 1999 Solid Waste Management Plan; and

WHEREAS, pursuant to Michigan statute, the draft Solid Waste Management Plan amendment was opened to a lengthy and robust public comment period, held from April through October 2017; and

WHEREAS, the Plan language promotes municipal and residential coordination and collaboration with Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and composting; and

WHEREAS, On December 6, 2017, the Washtenaw County Solid Waste Management Plan 2017 Amendment was formally approved by the Washtenaw County Board of Commissioners and will next be presented to the twenty-eight jurisdictions within Washtenaw County for their consideration and action of approval prior to submittal to the Michigan Department of Environmental Quality for final approval.

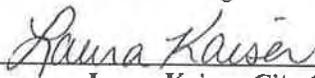
NOW, THEREFORE, BE IT RESOLVED, that City of Chelsea City Council supports the Washtenaw County Solid Waste Management Plan 2017 Amendment; and

BE IT FURTHER RESOLVED, that City of Chelsea City Council approves the Washtenaw County Solid Waste Management Plan 2017 Amendment, and supports the Plan being submitted to the Michigan Department of Environmental Quality for final approval.

MOVED: Albertson
SUPPORTED: Feeney
Ayes: 6
Nays: 0
Absent: 1

* * * * *

I, Laura Kaiser, Clerk of the City of Chelsea, do hereby certify that the foregoing is a true and complete copy of a resolution adopted by the City Council of the City of Chelsea, County of Washtenaw, State of Michigan, at a meeting held on the 5th day of March, 2018, and that public notice of said meeting was given pursuant to Act No. 267, Public Acts of Michigan, 1976, including in the case of a special or rescheduled meeting, notice by publication or posting at least eighteen (18) hours prior to the time set for the meeting.



Laura Kaiser, City Clerk

RESOLUTION # 2018 - 6

**RESOLUTION TO APPROVE
THE WASHTENAW COUNTY SOLID WASTE MANAGEMENT PLAN 2017 AMENDMENT**

At a regular meeting of the City Council of the City of Dexter, Michigan called to order by Mayor Shawn Keough on, March 12, 2018 at 7:00 p.m., the following resolution was offered:

Moved by: Fisher

Supported by: Cousins

WHEREAS, Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have a Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with state laws and rules; and

WHEREAS, in furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14-member Solid Waste Planning Committee in August 2015 to amend Washtenaw County's 1999 Solid Waste Management Plan; and

WHEREAS, pursuant to Michigan statute, the draft Solid Waste Management Plan amendment was opened to a lengthy and robust public comment period, held from April through October 2017; and

WHEREAS, the Plan language promotes municipal and residential coordination and collaboration with Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and composting; and

WHEREAS, On December 6, 2017, the Washtenaw County Solid Waste Management Plan 2017 Amendment was formally approved by the Washtenaw County Board of Commissioners and will next be presented to the twenty-eight jurisdictions within Washtenaw County for their consideration and action of approval prior to submittal to the Michigan Department of Environmental Quality for final approval;

NOW, THEREFORE BE IT RESOLVED, that the Dexter City Council supports the Washtenaw County Solid Waste Management Plan 2017 Amendment; and

BE IT FURTHER RESOLVED, that the Dexter City Council approves the Washtenaw County Solid Waste Management Plan 2017 Amendment, and supports the Plan being submitted to the Michigan Department of Environmental Quality for final approval.

AYES: Smith, Fisher, Cousins, Knight, Tell, Michels, and Keough

NAYS: None

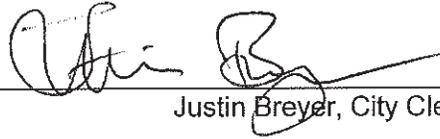
ABSENT: None

RESOLUTION DECLARED ADOPTED THIS 12th DAY OF MARCH, 2018



Shawn W. Keough, Mayor

I hereby certify that the foregoing constitutes a true and complete copy of a resolution adopted by the Council of the City of Dexter, County of Washtenaw, State of Michigan, at a regular meeting held on the 12th day of March, 2018.



Justin Breyer, City Clerk

Dexter Township Resolution # 18-501

A resolution to approve the Washtenaw County Solid Waste Management Plan 2017 Amendment.

WHEREAS, Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have a Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with state laws and rules; and

WHEREAS, in furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14-member Solid Waste Planning Committee in August 2015 to amend Washtenaw County's 1999 Solid Waste Management Plan; and

WHEREAS, pursuant to Michigan statute, the draft Solid Waste Management Plan amendment was opened to a lengthy and robust public comment period, held from April through October 2017; and

WHEREAS, the Plan language promotes municipal and residential coordination and collaboration with Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and composting; and

WHEREAS, On December 6, 2017, the Washtenaw County Solid Waste Management Plan 2017 Amendment was formally approved by the Washtenaw County Board of Commissioners and will next be presented to the twenty-eight jurisdictions within Washtenaw County for their consideration and action of approval prior to submittal to the Michigan Department of Environmental Quality for final approval.

NOW, THEREFORE, BE IT RESOLVED, that the Dexter Township Board of Trustees supports the Washtenaw County Solid Waste Management Plan 2017 Amendment; and

BE IT FURTHER RESOLVED, that the Dexter Township Board of Trustees, by a vote of the majority at a regularly scheduled and duly noticed meeting held this 20th day of February, 2018, approves the Washtenaw County Solid Waste Management Plan 2017 Amendment, and supports the Plan being submitted to the Michigan Department of Environmental Quality for final approval.

Resolution offered by Board Member Drolett

Resolution seconded by Board Member Gajewski

Roll call vote:

Yeas – Rider, Ceo, Brushaber, Compton, Drolett, Gajewski, Mesko

Nays – 0

Abstain – None

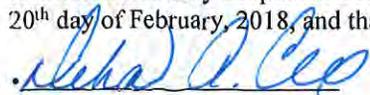
Absent - None

Tally Y = 7; N = 0; Abstain = 0; Absent = 0.

The Supervisor declared the resolution adopted

CERTIFICATE

The undersigned, being the duly elected and acting Clerk of the Township of Dexter hereby certifies that the foregoing resolution was duly adopted at a regular meeting of the Dexter Township Board at which a quorum was present on the 20th day of February, 2018, and that the members voted thereon as hereinbefore set forth.



Debra A. Ceo, Clerk

A [DRAFT] RESOLUTION TO APPROVE THE WASHTENAW COUNTY
SOLID WASTE MANAGEMENT PLAN 2017 AMENDMENT

WHEREAS, Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have a Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with state laws and rules; and

WHEREAS, in furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14-member Solid Waste Planning Committee in August 2015 to amend Washtenaw County's 1999 Solid Waste Management Plan; and

WHEREAS, pursuant to Michigan statute, the draft Solid Waste Management Plan amendment was opened to a lengthy and robust public comment period, held from April through October 2017; and

WHEREAS, the Plan language promotes municipal and residential coordination and collaboration with Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and composting; and

WHEREAS, On December 6, 2017, the Washtenaw County Solid Waste Management Plan 2017 Amendment was formally approved by the Washtenaw County Board of Commissioners and will next be presented to the twenty-eight jurisdictions within Washtenaw County for their consideration and action of approval prior to submittal to the Michigan Department of Environmental Quality for final approval.

NOW, THEREFORE, BE IT RESOLVED, that ~~[INSERT name of municipal governing body here]~~ ^{Freedom Township} supports the Washtenaw County Solid Waste Management Plan 2017 Amendment; and

BE IT FURTHER RESOLVED, that ~~[INSERT name of municipal governing body here]~~ ^{Freedom Township} approves the Washtenaw County Solid Waste Management Plan 2017 Amendment, and supports the Plan being submitted to the Michigan Department of Environmental Quality for final approval.

Gale E Weidmayer
Supervisor

Valerie Bistler
Clerk

**WASHTENAW COUNTY
SOLID WASTE MANAGEMENT PLAN 2017 AMENDMENT**

RESOLUTION #2018-011

WHEREAS Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have a Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with state laws and rules; and

WHEREAS in furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14-member Solid Waste Planning Committee in August 2015 to amend Washtenaw County's 1999 Solid Waste Management Plan; and

WHEREAS pursuant to Michigan statute, the draft Solid Waste Management Plan amendment was opened to a lengthy and robust public comment period, held from April through October 2017; and

WHEREAS, the Plan language promotes municipal and residential coordination and collaboration with Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and composting; and

WHEREAS On December 6, 2017, the Washtenaw County Solid Waste Management Plan 2017 Amendment was formally approved by the Washtenaw County Board of Commissioners and will next be presented to the twenty-eight jurisdictions within Washtenaw County for their consideration and action of approval prior to submittal to the Michigan Department of Environmental Quality for final approval.

NOW, THEREFORE BE IT RESOLVED that Lima Township supports the Washtenaw County Solid Waste Management Plan 2017 Amendment; and

BE IT FURTHER RESOLVED that Lima Township approves the Washtenaw County Solid Waste Management Plan 2017 Amendment, and supports the Plan being submitted to the Michigan Department of Environmental Quality for final approval.

The foregoing resolution was offered by Bater and supported by Luick.

Upon roll call vote, the following voted "Aye". Laier, Bater, Maier, Havens, Luick

The following voted "Nay". None

The Supervisor declared the resolution Adopted.

CERTIFICATE

I, Elaine Bater, the duly elected and acting Clerk of Lima Township, hereby certify that the foregoing resolution was adopted by the Township Board of said Township at the regular meeting of said Board held on April 9, 2018 at which meeting a quorum was present by a roll call vote of said members and hereinbefore set forth; that said resolution was ordered to take immediate effect.



Elaine Bater, Lima Township Clerk

A RESOLUTION TO APPROVE THE WASHTENAW COUNTY
SOLID WASTE MANAGEMENT PLAN 2017 AMENDMENT
LODI TOWNSHIP RESOLUTION #2018-006

WHEREAS, Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have a Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with state laws and rules; and

WHEREAS, in furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14-member Solid Waste Planning Committee in August 2015 to amend Washtenaw County's 1999 Solid Waste Management Plan; and

WHEREAS, pursuant to Michigan statute, the draft Solid Waste Management Plan amendment was opened to a lengthy and robust public comment period, held from April through October 2017; and

WHEREAS, the Plan language promotes municipal and residential coordination and collaboration with Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and composting; and

WHEREAS, On December 6, 2017, the Washtenaw County Solid Waste Management Plan 2017 Amendment was formally approved by the Washtenaw County Board of Commissioners and will next be presented to the twenty-eight jurisdictions within Washtenaw County for their consideration and action of approval prior to submittal to the Michigan Department of Environmental Quality for final approval.

NOW, THEREFORE, BE IT RESOLVED, that Lodi Township supports the Washtenaw County Solid Waste Management Plan 2017 Amendment; and

BE IT FURTHER RESOLVED, that Lodi Township approves the Washtenaw County Solid Waste Management Plan 2017 Amendment, and supports the Plan being submitted to the Michigan Department of Environmental Quality for final approval.

The foregoing resolution offered by board member: Smith

Seconded by board member: Swenson

Upon a roll call vote, the following voted:

Aye: Rentschler, Schaible, Foley, Smith, Godek, Lindemann, Swenson

Nay: None

Absent or Abstain: None

The supervisor declared the resolution adopted.



Christina M. Smith, Clerk
April 3, 2018

**Lyndon Township
Washtenaw County, Michigan**

RESOLUTION NO. 18-01

**A RESOLUTION TO APPROVE THE WASHTENAW COUNTY
SOLID WASTE MANAGEMENT PLAN 2017 AMENDMENT**

April 10, 2018

WHEREAS, Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have a Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with state laws and rules; and

WHEREAS, in furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14-member Solid Waste Planning Committee in August 2015 to amend Washtenaw County's 1999 Solid Waste Management Plan; and

WHEREAS, pursuant to Michigan statute, the draft Solid Waste Management Plan amendment was opened to a lengthy and robust public comment period, held from April through October 2017; and

WHEREAS, the Plan language promotes municipal and residential coordination and collaboration with Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and composting; and

WHEREAS, on December 6, 2017, the Washtenaw County Solid Waste Management Plan 2017 Amendment was formally approved by the Washtenaw County Board of Commissioners and will next be presented to the twenty-eight (28) jurisdictions within Washtenaw County for their consideration and action of approval prior to submittal to the Michigan Department of Environmental Quality for final approval.

NOW, THEREFORE, BE IT RESOLVED, that Lyndon Township supports the Washtenaw County Solid Waste Management Plan 2017 Amendment; and

BE IT FURTHER RESOLVED, that Lyndon Township approves the Washtenaw County Solid Waste Management Plan 2017 Amendment, and supports the Plan being submitted to the Michigan Department of Environmental Quality for final approval.

The foregoing Resolution was offered by Board Member Marc Keezer and supported by Board Member Robert Mester.

A vote on the above Resolution was taken and was as follows:

APPROVED:

Ayes: Robert Mester, John Francis, Marc Keezer, Mary Jane Maze, Linda Reilly

Nays: None

Abstain: None

CERTIFICATION

I, Linda Reilly, the undersigned Township Clerk of the Township of Lyndon hereby certify that the foregoing resolution is a true and complete copy of a resolution approved at a regular meeting of the Township Board of the Township of Lyndon held on 10th day of April, 2018, the original of which is on file in my office, and that notice of such meeting was given, and the meeting was conducted, pursuant to and in compliance with the Act No. 267, Michigan Public Acts of 1976, as amended.



Linda Reilly
Lyndon Township Clerk

Township of Manchester
Resolution No. 18-02
March 13, 2018

A resolution to approve the Washtenaw County Solid Waste Management Plan 2017 Amendment.

WHEREAS, Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with state laws and rules; and

WHEREAS, in furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14-member Solid Waste Planning Committee in August 2015 to amend Washtenaw County's 1999 Solid Waste Management Plan; and

WHEREAS, PURSUANT TO Michigan statute, the draft Solid Waste Management Plan amendment was opened to a lengthy and robust public comment period, held from April through October 2017; and

WHEREAS, the Plan language promotes municipal and residential coordination and collaboration with Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and composting; and

WHEREAS, On December 6, 2017, the Washtenaw County Solid Waste Management Plan 2017 Amendment was formally approved by the Washtenaw County Board of Commissioners and will next be presented to the twenty-eight jurisdictions within Washtenaw County for their consideration and action of approval prior to submittal to the Michigan Department of Environmental Quality for final approval.

NOW, THEREFORE, BE IT RESOLVED, that Manchester Township supports the Washtenaw County Solid Waste Management Plan 2017 Amendment; and

BE IT FURTHER RESOLVED, that Manchester Township approves the Washtenaw County Solid Waste Management Plan 2017 Amendment, and supports the Plan being submitted to the Michigan Department of Environmental Quality for final approval.

Township Trustee Moutinho moved the adoption of the foregoing Resolution, which was seconded by Township Trustee Carey and thereupon adopted by the Manchester Township Board of Trustees by a roll call vote of the Township Board at the regular meeting, held this 13th day of March, 2018.

The following members voted:

Ayes: Carey, Moutinho, Milkey, Proctor, Seefeld, Macomber

Nays: _____

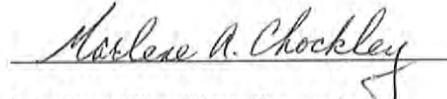
Absent or abstain: DeRossett

The Supervisor declared the resolution adopted.



Danell Proctor, Township Clerk

PASSED AND Resolved by the Northfield Township Board of Trustees, Northfield Township, Michigan, on this 13th day of February, 2018.



Marlene Chockley, Supervisor

ATTEST:



Kathleen Manley, Clerk

**PITTSFIELD CHARTER TOWNSHIP
WASHTENAW COUNTY, MICHIGAN
RES #18-07**

**RESOLUTION TO RESOLUTION TO APPROVE THE WASHTENAW COUNTY SOLID
WASTE MANAGEMENT PLAN 2017 AMENDMENT**

March 28, 2018

At a Regular Meeting of the Township Board of Pittsfield Charter Township, Washtenaw County, Michigan, held at the Township Administration Building located at 6201 W. Michigan Avenue, in said Township, on the 28th day of March, 2018 at 6:30 p.m.

Present: Anzaldi, Edwards-Brown, Jaffer, Krone, Ralph.

Absent: Grewal, Scribner.

The following preamble and resolution were offered by Trustee Edwards-Brown and supported by Trustee Ralph.

WHEREAS, Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have a Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with state laws and rules; and

WHEREAS, in furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14-member Solid Waste Planning Committee in August 2015 to amend Washtenaw County's 1999 Solid Waste Management Plan; and

WHEREAS, pursuant to Michigan statute, the draft Solid Waste Management Plan amendment was opened to a lengthy and robust public comment period, held from April through October 2017; and

WHEREAS the Plan language promotes municipal and residential coordination and collaboration with Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and composting; and

WHEREAS, On December 6, 2017, the Washtenaw County Solid Waste Management Plan 2017 Amendment was formally approved by the Washtenaw County Board of Commissioners and will next be presented to the twenty-eight jurisdictions within Washtenaw County for their consideration and action of approval prior to submittal to the Michigan Department of Environmental Quality for final approval.

NOW THEREFORE BE IT RESOLVED that Pittsfield Charter Township supports the Washtenaw County Solid Waste Management Plan 2017 Amendment; and

BE IT FURTHER RESOLVED, that Pittsfield Charter Township approves the Washtenaw County Solid Waste Management Plan 2017 Amendment, and supports the Plan being submitted to the Michigan Department of Environmental Quality for final approval.

ROLL CALL VOTE:

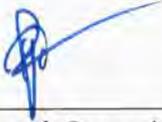
AYES: Anzaldi, Edwards-Brown, Jaffer, Krone, Ralph.

NAYS: None.

ABSENT: Grewal, Scribner

ABSTAIN: None.

RESOLUTION DECLARED *ADOPTED*.



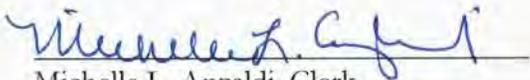
Mandy Grewal, Supervisor
Pittsfield Charter Township

DATED: March 2, 2018

April

CERTIFICATE

I, Michelle L. Anzaldi, hereby certify that the foregoing is a true and complete copy of a resolution adopted by the Township Board of Pittsfield Charter Township, County of Washtenaw, State of Michigan, at a Regular Meeting held on March 28, 2018, and that said meeting was conducted and public notice of said meeting was given pursuant to and in full compliance with the Open Meetings Act, being Act 267, Public Acts of Michigan, 1976, and that the minutes of said meeting were kept and will be or have been made available as required by said Act.



Michelle L. Anzaldi, Clerk
Pittsfield Charter Township

DATED: ~~March~~ ^{april} 2, 2018

AS ADOPTED

**BOARD OF TRUSTEES
CHARTER TOWNSHIP OF ANN ARBOR
WASHTENAW COUNTY, MICHIGAN
RESOLUTION TO APPROVE THE WASHTENAW COUNTY
SOLID WASTE MANAGEMENT PLAN 2017 AMENDMENT**

JULY 16, 2018

Resolution adopted at a regular meeting of the Board of Trustees of the Charter Township of Ann Arbor, (“Township Board”), Washtenaw County, Michigan held at the Township Hall, 3792 Pontiac Trail, Ann Arbor, Michigan, on July 16, 2018.

PRESENT: Michael Moran, Claudia Sedmak, Della DiPietro, Kenneth Kohrs, Rena Basch

ABSENT: John Allison, Randolph Perry

Motion by Trustee: Sedmak; supported by Trustee: Basch.

RECITALS

A. Washtenaw County has requested Township Board support of the Washtenaw County Solid Waste Management Plan 2017 Amendment (“Plan”) based on the following representations and undertakings of the County:

WHEREAS, Part 115 of the Natural Resources and Environmental Protection Act, 194 PA 451, as enforced by the Michigan Department of Environmental Quality (MDEQ), requires each Michigan County to have a Solid Waste Management Plan to assure that solid waste generated in the county is collected and recovered, processed or disposed of for a ten-year period at facilities that comply with state laws and rules; and

WHEREAS, in furtherance of the statutory requirements, the Washtenaw County Board of Commissioners appointed a 14-member Solid Waste Planning Committee in August 2015 to amend Washtenaw County’s 1999 Solid Waste Management Plan; and

WHEREAS, pursuant to Michigan statute, the draft Solid Waste Management Plan amendment was opened to a lengthy and robust public comment period, held from April through October 2017; and

WHEREAS, the Plan language promotes municipal and residential coordination and collaboration with Washtenaw County to provide integrated solid waste management programs and policies that emphasize waste prevention, reduction, recycling and composting; and

WHEREAS, On December 6, 2017, the Washtenaw County Solid Waste Management

Plan 2017 Amendment was formally approved by the Washtenaw County Board of Commissioners and will next be presented to the twenty-eight jurisdictions within Washtenaw County for their consideration and action of approval prior to submittal to the Michigan Department of Environmental Quality for final approval.

B. The Township Board has reviewed the Washtenaw County Solid Waste Management Plan 2017 Amendment and other materials provided by the County, and based on the foregoing representations and undertaking of the County, adopts the following Resolution:

RESOLUTION

RESOLVED, the Ann Arbor Charter Township Board of Trustees supports the Washtenaw County Solid Waste Management Plan 2017 Amendment, approves the Plan, and supports submission of the Plan to the Michigan Department of Environmental Quality for final approval.

AYES: Michael Moran, Claudia Sedmak, Della DiPietro, Kenneth Kohrs, Rena Basch

NAYES: None

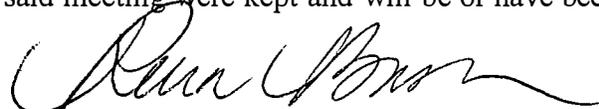
ABSTAIN: None

RESOLUTION DECLARED ADOPTED.



Michael Moran
Township Supervisor

I certify that the foregoing is a true and complete copy of a resolution adopted by the Ann Arbor Charter Township Board, County of Washtenaw, State of Michigan at a regular meeting held on July 16, 2018, that said meeting was conducted and public notice of said meeting was given pursuant to and in full compliance with the Open Meetings Act, being Act 267, Public Acts of Michigan, 1976, and that the minutes of said meeting were kept and will be or have been made available as required by said Act.



Rena Basch
Township Clerk

Dated: July 19, 2018



APPENDIX D: ATTACHMENTS

- Plan Implementation Strategy
- Resolutions (None)
- Listed Capacity
- Map of Disposal Areas
- Intercounty Agreements (None)
- Special Conditions (None)
- Other Attachments:
 - Overview of Solid Waste Planning Process
 - Glossary of Terms
 - Summary of Public Feedback Survey
 - Host Community Agreement

PLAN IMPLEMENTATION STRATEGY

The following discusses how the County intends to implement the Plan and provides documentation of acceptance of responsibilities that will be performing as part of its role in the Plan.

The adoption of this Plan by the Washtenaw County Board of Commissioners is intended as a demonstration of the County's acceptance of responsibilities for implementing the Plan with roles and responsibilities as described in the Selected Management Section pgs. 57-106.

RESOLUTIONS

The following are resolutions from the County Board of Commissioners approving municipality's request to be included in an adjacent County's Plan.

No requests were made.

LISTED CAPACITY

Documentation from landfills that the County has access to their listed capacity.



WASTE MANAGEMENT

Woodland Meadows RDF
5900 Hannan Rd.
Wayne, Michigan 48184
(734) 326-0993
(734) 326-9245 Fax

October 17, 2016

Jeff Krcmarik
Environmental Program Coordinator
Office of the Washtenaw County Water Resource Commissioner
705 N Zeeb Rd, Ann Arbor, MI 48103

Re: Washtenaw County Solid Waste Plan Amendment
Woodland Meadows RDF – Van Buren

Dear Mr. Krcmarik,

This communication is provided by Waste Management of Michigan, Inc. as documentation that Washtenaw County has access to landfill capacity at the Woodland Meadows RDF – Van Buren Type II landfill.

Sincerely,

Jack Rowe
Senior District Manager

From everyday collection to environmental protection, Think Green® Think Waste Management.

From: Roth, Melissa [<mailto:MRoth@republicservices.com>]

Sent: Monday, April 17, 2017 2:26 PM

To: Jeff Krcmarik

Subject: RE: Republic Services

Jeff,

Republic Services – Carleton Farms Landfill and Sauk Trail Hills can accept MSW from Washtenaw County. If you need anything else please let me know.

Melissa Roth

Manufacturing and Environmental Services Executive

5011 S. Lilley Rd.

Canton, MI 48188

e MRoth@RepublicServices.com

o 734-348-5140

f 480-718-4360 w www.republicservices.com



We'll handle it from here.™



From: Jeff Krcmarik [<mailto:krcmarij@ewashtenaw.org>]

Sent: Thursday, April 13, 2017 1:33 PM

To: Roth, Melissa

Subject: Republic Services

Hi Melissa

Your name was given to me from one of our staff members to send this letter in regards to amending our solid waste plan.

Please call or respond by e-mail if you have questions.

Thanks,

Jeff Krcmarik R.S.

Environmental Program Coordinator
Ph-734-222-6865
Washtenaw County Water Resources Commissioner's Office
705 N. Zeeb Rd., P.O. Box 8645, Ann Arbor, MI 48107-8645
P (734)222-3827 - F (734) 222-6803

How did we do?

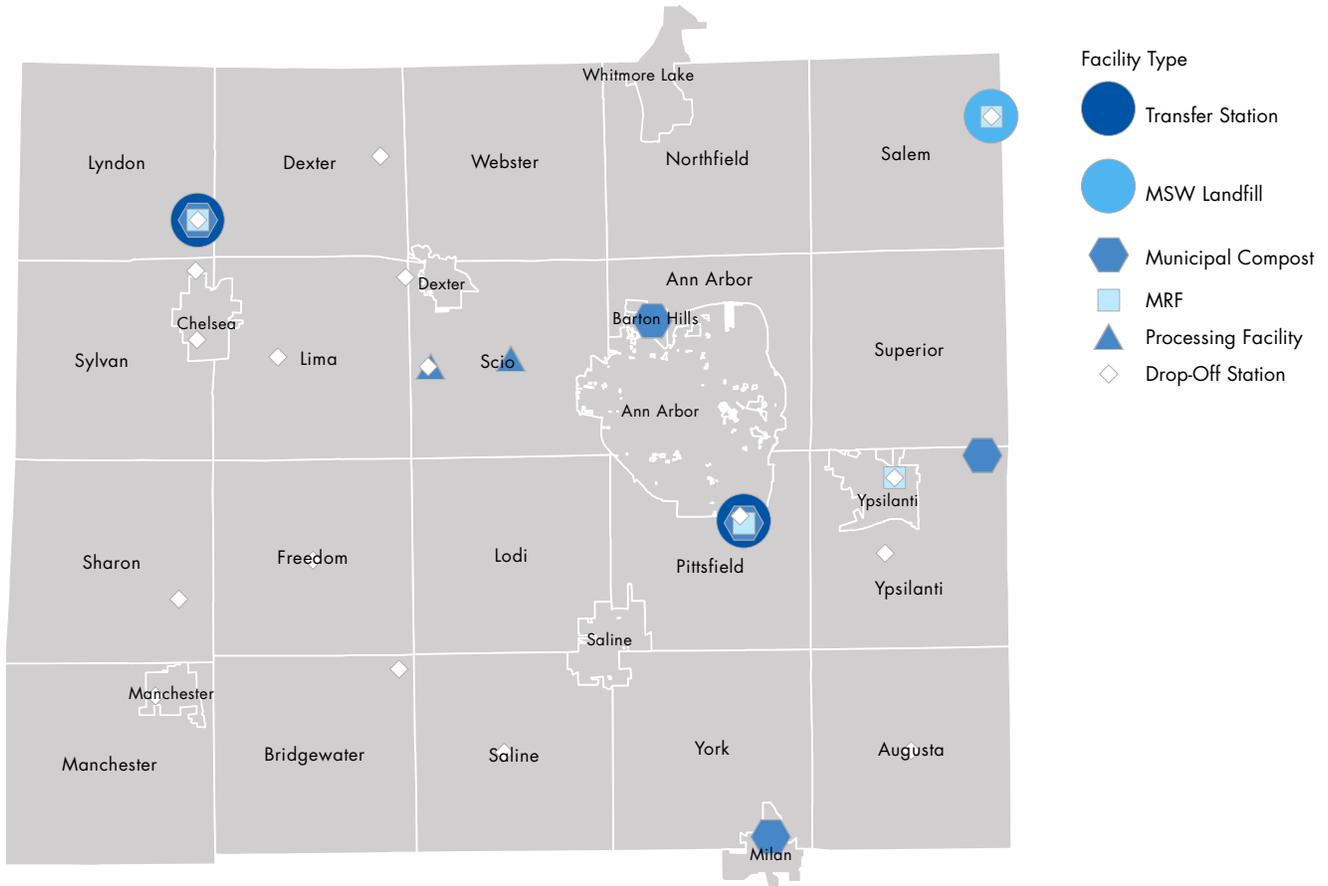
Please take a moment to complete an online evaluation
<https://www.surveymonkey.com/r/WCWRCsurvey>

Visit us [online](#) or follow the Water Resources Commissioner's Office on [Facebook](#).
Flooding or drainage concerns? [Report your problem online](#).

MAPS

Maps showing locations of solid waste disposal facilities used by the County.

Figure 10. Facility locations within Washtenaw County



INTERCOUNTY AGREEMENTS

Copies of Inter-County Agreements with other counties (if any).

There are no Inter-County Agreements.

SPECIAL CONDITIONS

Special conditions affecting the import or export of solid waste.

There are no special conditions affecting the import or export of solid waste.

OTHER ATTACHMENTS

OVERVIEW OF PLANNING PROCESS (2015-2017)

The Washtenaw County Solid Waste Planning Committee (SWPC) was convened in August 2015 to prepare a Solid Waste Management Plan amendment in response to a request to expand the Arbor Hills Landfill. In September 2016, the Arbor Hills Landfill withdrew its option to request an expansion; however, by opening the Plan, the County continued to be committed to the update of outdated sections of the County's 1999 Plan.

During the time the SWPC was convened, the committee was presented with feedback from the public about the current and future impacts of the landfill. Where appropriate, the planning process incorporated concerns and considerations into the Plan amendment including restating that landfills are an unauthorized disposal area, and amending the siting review process to include additional requirements regarding relationships with facilities and the surrounding communities. The following summarizes the primary issues raised during the planning process that the committee was cognizant of:

- Landfill area population has changed. When the Arbor Hills Landfill first began operations, much of Northville Charter Township was largely undeveloped. The mostly rural area included Wayne County's specialized tuberculosis care facilities, women's incarceration sites, prison work farms, etc. However, as Wayne County closed and sold these properties, densely-populated residential neighborhoods and schools were constructed.
- Landfill operations can affect the community's quality of life. The large landfill operations create problems with truck traffic, noise, dust, and odors. Residents, school administrators, and public park users reported that there are several days each month that people are unable to remain outside their homes and have cancelled outdoor recess and sporting events due to strong landfill odors.
- Public health concerns. Residents are worried about the potential exposures to toxic chemicals from an active landfill affecting themselves at-home and to children from the region attending local schools and park events. Residential subdivisions now exist as close as 1,000 feet to the current landfill and an elementary school with over 500 students is located within 2,000 feet. Athletic fields and community gardens are also nearby.
- The Solid Waste Planning Committee recognizes that future actions at Arbor Hills Landfill have the potential to incur benefits or setbacks for four key entities: Salem Township, Washtenaw County, Advanced Disposal, and Northville Township. Looking ahead, the SWPC offers the following observations which are also reflected in the goals and objectives of the Plan amendment.
- Regional collaboration is important as waste transcends government boundaries.
- Funding for programs should be diversified and anticipate the eventual closure of the landfill in the County.
- Facilities and their owners can and should strive to be good neighbors.

GLOSSARY OF TERMS

Composting: mixture of decayed or decaying organic matter used to fertilize soil such as leaves, grass clippings, brush, and food waste.

Drop-Off Site: a method of collecting recyclable or compostable materials in which the materials are taken by individuals to collection sites and deposited into designated containers.

End Markets: mills, manufacturers and other facilities, which acquire recyclable materials for conversion to new products or raw materials.

Environmental Management Systems: a set of processes and practices that enable an organization to reduce its environmental impacts and increase its operating efficiency.

Hazardous Waste: waste material that may pose a threat to human health or the environment, the disposal and handling of which is regulated by federal law.

Materials Recovery Facility (MRF): any type of facility used for separating, sorting or processing waste in order to segregate materials with value (e.g. aluminum, glass, plastics). The type of processing conducted at a MRF can range widely from buildings in which recyclables are sorted primarily by hand, to mechanical facilities that attempt to recover recyclables from mixed solid waste (sometimes called a "dirty MRF").

Municipal Solid Waste (MSW): solid waste and recyclables resulting from the operation of residential, commercial, industrial, governmental, or institutional establishments that would normally be collected, processed, and disposed of through a public or private solid waste management service. Municipal solid waste does not include hazardous waste, sludge, industrial waste managed in a solid waste management facility owned and operated by the generator of the industrial waste for management of that waste, or solid waste from mining or agricultural operations.

Non-Recoverable Refuse: portion of the waste stream that is not able to be recovered through current waste diversion or recycling practices and therefore must be disposed.

Organics: means material containing carbon compounds and typically originating from plant or animal sources, which may be degraded by other living organisms.

- Food waste: any food that is grown and produced for human consumption but ultimately is not eaten.
- Yard waste: grass clippings, yard vegetation, sod without dirt, and leaves. The State of Michigan prohibits yard waste from being disposed of in the landfill.

Pollution Prevention: a practice that reduces, eliminates, or prevents pollution at its source. Pollution prevention approaches can be applied to all potential and actual pollution-generating activities.

Recycling: the systematic collection, sorting, decontaminating, and returning of waste materials to commerce as commodities for use or exchange. Recycling also means to use, reuse, or reclaim a material. It does not include incineration.

Reuse: reutilization of a material in an environmentally sound manner that will not result in a hazard to human health or the environment.

Source Reduction: the practice of minimizing waste through responsible product design, production, purchasing and consumerism, to reduce or prevent the generation of waste.

Sustainable Materials Management: systematic approach to using and reusing materials more productively over their life cycle, from the point of resource creation to material disposal.

Transfer Station: any storage or collection facility which is operated as a relay point for solid waste which ultimately is to be transferred to a central solid waste management facility.

Type II Landfill: an on-land disposal facility designed and operated to accommodate general types of solid waste, such as garbage and rubbish, but not hazardous waste.

Type III Landfill: an on-land disposal facility designed and operated to accommodate large volumes of certain solid waste that has minimal potential for groundwater contamination.

Waste Generation: the amount (weight, volume, or percentage of the overall waste stream) of materials and products entering the waste stream before materials recovery, composting, or combustion takes place.

Zero Waste: Zero Waste is a goal that is ethical, economical, efficient and visionary, to guide people in changing their lifestyles and practices to emulate sustainable natural cycles, where all discarded materials are designed to become resources for others to use. Zero Waste means designing and managing products and processes to systematically avoid and eliminate the volume and toxicity of waste and materials, conserve and recover all resources, and not burn or bury them. Implementing Zero Waste will eliminate all discharges to land, water or air that are a threat to planetary, human, animal or plant health.

SUMMARY OF WASHTENAW COUNTY PUBLIC FEEDBACK SURVEY FORM RESULTS

Public Engagement and Information Gathering as Part of the County's Plan Amendment Process
October 2016

OVERVIEW

As part of Washtenaw County's Plan Amendment process, a feedback survey form was developed to provide the public the opportunity to engage in the process.

The questions were developed to understand the types of services being utilized by county residents, what services are important and how they rank, and what services should be considered in the future. This information from users of programs within the county is crucial to the development of future goals and objectives for the Plan Amendment while also providing a baseline of current activities.

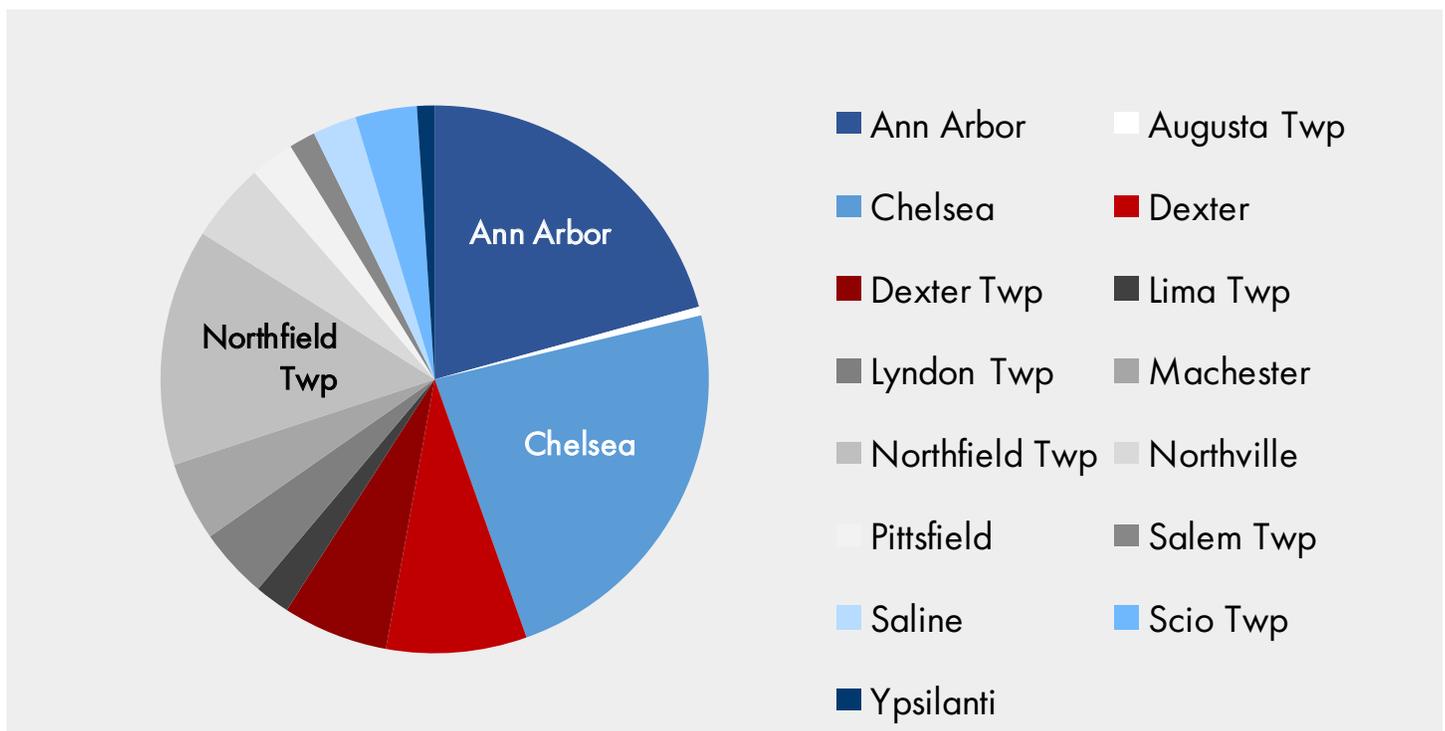
The form launched in April 2016 and remained open until October 2016, during which time 372 responses were collected.

The form was available on the county website, promoted through social media, postcards distributed to participants at county events, and distributed directly to some county residents through existing community communications. The following is a summary of the questions and responses.

DEMOGRAPHIC QUESTIONS

- Age Groups of Responses
 - Half of the respondents were between the ages of 45 - 64
 - Another quarter of the respondents were 35-44.
 - There were very few responses from ages 34 and under.
- 94% of respondents are home owners
- Of the 372 responses, 217 provided information about where they reside (see chart).

QUESTION #1



Please tell us what you think of the following programs, services or activities?

- Curbside Recycling
- Drop-off Recycling
- Trash Collection - curbside
- Trash Collection Transfer Station
- Yard Waste Collection
- Home Toxics
- County Clean- up Days
- Recycle Ann Arbor
- Reuse Center
- Western Washtenaw Recycling Authority (WWRA)
- Recovery Yard
- Pharmaceutical Take Back

Q#1 RESPONSES:

- All programs listed received an average rating of “good” or better.
- Curbside recycling, curbside trash, trash transfer collection, and WWRA received “excellent” feedback
- Fewer responses overall for County programs, however responses were mostly “excellent” ratings

QUESTION #2

How often do you use these services?

- Weekly
- Every other week
- Monthly
- Twice per year
- Yearly
- Never

Q#2 RESPONSES

- Weekly: Curbside recycling, trash collection, and yard waste collection are used by most respondents on a weekly basis
- Monthly: most frequent response was yard waste and RAA Reuse Center
- Twice a year: RAA Reuse Center, County Clean-up Days, Pharmaceutical Take Back
- Once per year: Home Toxics, Drop-off Recycling
- Never: responses in each category. Most responses for Recovery Yard, County Clean-up Days, Pharmaceutical Take Back, WWRA

QUESTION #3

Please rank the following services, programs, and activities in Washtenaw County in order of importance to you. The following list provides the rankings from the results.

1. Curbside Recycling
2. Curbside Trash Curbside Collection
3. Yard Waste Collection
4. Drop-off Recycling
5. Home Toxics
6. Special, Outreach, and Education Programs
7. Pharmaceutical Take Back
8. RAA Reuse Center
9. County Clean-up Days
10. Recovery Yard

QUESTION #4

Which of the following are most important to you?

- More opportunities to recycle
- Food waste reduction/collection
- More drop-off locations
- Recycling in schools
- Recycling businesses
- Litter prevention
- Packaging waste recycling
- Waste reduction
- Reuse options
- Other

Q#4 RESPONSES

- Almost half of respondents selected recycling at businesses and more opportunities for recycling to be important
- Litter prevention and food waste reduction/waste collection programs were deemed important by 1/3 of the respondents
- Least chosen option was more drop-off locations, however this could have been implied under "more opportunities for recycling".
- Responses provided under "Other"
 - Dependable trash service
 - Composting education
 - Vermicomposting
 - Decreasing use of lawn chemicals
 - Better hours for drop-off station
 - Bulky pick-up
 - Year round compost collection
 - Permanent Pharm Waste Drop-off
 - Incentivize recycling
 - Limit impact of landfill
 - No more landfills
 - Landfill odor issues

QUESTION #5

Tell us what other services, programs, and activities you would like to see in Washtenaw County related to trash, recycling, composting, reuse, and reduction.

- Most responses pertained to expanding recycling options
 - Accepting more materials - plastics, polystyrene foam, and electronics
 - Improved access - availability of drop-offs, public spaces and businesses
- Expanded compost collection
 - Year round
 - Commercial locations, community gardens, and communities that lack options for collection and composting.
- More education
 - Students and adults
 - Waste reduction and recycling
 - Impact of trash and landfills
 - Incentives to reduce waste
- Landfill
 - Overall, reduce need for disposal
 - Concerns about expansion of landfill and impacts on community

QUESTIONS ABOUT DROP-OFF CENTER USE

Several questions were asked about the Drop-off Station, located on E. Ellsworth Road in Ann Arbor. This site is important to the diversion and recovery opportunities in the County, and these questions were added to support additional work in the county occurring concurrently to the Plan Amendment process.

- 35% of respondents use the drop-off station located on E. Ellsworth Road in Ann Arbor.
- Use of the site is mostly done on an annual basis. However, 1/3 of the respondents indicated they use the drop-off up to four times per year.
- About half the users travel 6-10 miles to access the site. Another 37% of users travel 5 miles or less.
- Common items brought to the site include polystyrene foam and general waste such as furniture and construction debris. Half the respondents bring electronics.
- The most common response about why citizens choose not to use the site is the services are not required and many users not willing to travel to the site.
- The responses for this question are consistent with other input about the need for accessible and easy to use programs.

OPEN FEEDBACK QUESTION

The final question on the survey was added to allow for general feedback on anything related to solid waste, recycling, reuse, and reduction.

The responses mirrored the feedback provided in Question #5.

TRENDS AND THEMES OF RESPONSES

These trends and themes from the public are consistent with the Solid Waste Planning Committee's evaluation of services and programs identified through a SWOT analysis (identification of Strengths, Weaknesses, Opportunities, and Threats). This public feedback was used directly in the development of the Plan Amendment Goals and Objectives.

- Convenience is important - curbside services are well received
- Education, promotion, outreach - all needed and requested
- More opportunities to recycle - more materials, more locations, more everything!
- Yard waste and food waste - opportunities to divert more
- Limit impacts of landfill and reduce need

HOST COMMUNITY AGREEMENT

HOST COMMUNITY AGREEMENT

This Host Community Agreement ("Agreement"), dated this 18 day of ^{October}~~September~~, 2017, between the County of Washtenaw, a Michigan County Corporation, with its offices located at 220 N Main, Ann Arbor, Michigan 48107 ("County") and Advanced Disposal Services Arbor Hills Landfill Inc., a Michigan Corporation, located at 10960 W Six Mile Rd., Northville, Michigan 48168 ("Owner"), and states the following:

Recitals

WHEREAS, the Owner owns and operates a certain landfill in Washtenaw County, State of Michigan ("Landfill"); and

WHEREAS, in accordance with the Owner's records and express representations, more Solid Waste generated outside Washtenaw County than within Washtenaw County is currently transported to and disposed of at the Landfill; and

WHEREAS, under Act 451 of 1994, at MCL 324.11538(6), in order for the Landfill to serve the solid waste needs of another county, state or country, the service must be explicitly authorized in the approved Solid Waste Management Plan ("County Plan") of the County; and

WHEREAS, the Owner must comply with the County Plan and agrees herein to comply fully with the County Plan as required by state law; and

WHEREAS, the last update to the County Plan was in 1999 with full and final approvals in 2001; and

WHEREAS, an update to the County Plan is currently under consideration and review and potential approval; and

WHEREAS, the Owner wishes to continue to receive and dispose of Solid Waste at the Landfill which is not generated in the County and the Owner wishes to comply throughout the Term of this Agreement with the County Plan; and

WHEREAS, the Owner and the County are currently bound by the terms and provisions of an "Agreement for Disposal of Solid Waste" dated June 4, 1992, including amendments thereto, ("1992 Agreement"); and

WHEREAS, the County has expressly and fully authorized the Board of Public Works of the County ("BPW") as the entity, acting herein for all purposes with and on behalf of the County, to ensure satisfactory disposal capacity for Solid Waste generated in the County and to enforce, administer and carry out the terms and provisions of this Agreement, including ongoing compliance with the County Plan; and

WHEREAS, the BPW is the entity, as the agent of the County, designated to administer and carry out the terms and provisions of this Agreement. However, this Agreement remains binding for all purposes between the Owner and the County; and

WHEREAS, this Agreement has, among others, an objective of allowing the Owner to receive and dispose of Non-County Solid Waste at the Landfill under the terms and provisions set forth herein and otherwise consistent with the County Plan; and

WHEREAS, this Agreement has, among others, an objective of ensuring that the County and the BPW, pursuant to the law, provide for satisfactory long-term disposal capacity for Solid Waste generated in the County pursuant to the County Plan and wholly consistent with the terms and conditions of the County Plan; and

WHEREAS, the Owner hereby consents to the process of entering into this Agreement and Owner hereby waives any objections, claims or disputes relating to the process and procedures used to develop, execute and implement this Agreement, including the mutual agreement set forth herein to terminate the 1992 Agreement; and

WHEREAS, the Owner and the County both agree to reconcile all payments due to the County pursuant to the 1992 Agreement up to and including the day before this Agreement becomes effective and the 1992 Agreement is terminated as set forth herein; and

WHEREAS, the Owner and the County, in the form of consideration, by voluntarily and mutually terminating the 1992 Agreement, both wish to waive and release any and all claims relating to or arising from the 1992 Agreement in favor of this Agreement and in favor of an accurate reconciliation of monies owed to the County/BPW up to the termination date and calculated fully under the terms and conditions of the 1992 Agreement.

NOW, THEREFORE, the parties do hereby agree as follows with adequate consideration acknowledged and accepted by the parties hereto:

I. DEFINITIONS

1. "Agreement" shall mean this Solid Waste Disposal Agreement dated ^{October} ~~September~~ 18, 2017, including all exhibits attached hereto and incorporated fully by reference herein.
2. "Beneficial Reuse Materials" shall mean contaminated soils, foundry sands, shredder fluffs, or other high volume industrial waste that is brought to the Landfill for any reason and then beneficially reused in construction and/or operation of the Landfill.
3. "Board of Public Works" (BPW) shall mean the designated planning agency for the County of Washtenaw and which is expressly authorized by the County to carry out the goals and objections of the County Plan and to fully administer the terms and provisions of this Agreement.
4. "Conversion Factor", to the extent applicable to interpret this Agreement, shall mean a multiple of 3.3 if converting between cubic gate yards and tons.
5. "County" shall mean the County of Washtenaw, its employees, elected officials, agencies, boards, commissions, committees, appointees, affiliates, subsidiaries and agents of any kind.
6. "County Solid Waste" shall mean Solid Waste generated in the County of Washtenaw.
7. "Disposal Area" shall have the meaning as set forth at MCL 324.11503(5).

8. "Excluded Waste" shall mean Special Waste, construction and demolition materials, Beneficial Reuse Materials as defined herein, and landfill construction materials of any kind.
9. "Expansion" shall mean any proposed expansion of the Landfill initiated by the Owner which requires an update or modification of the then current County Plan.
10. "Landfill" shall mean the Landfill, as defined at MCL 324.11504(4), and owned by the Owner herein and generally located in Salem Township, County of Washtenaw, State of Michigan, at Six Mile Road, Napier Road, the CSX railroad tracks and the Detroit Edison property. The Landfill is commonly known as "Arbor Hills" and is defined in particular at Exhibit 2, incorporated by reference herein.
11. "Local Unit" means any Township, City, Village or other municipal entity/authority created by statute or interlocal agreement which has a written contract in effect with the BPW as of the date of this Agreement for access to the benefits of this Agreement with respect to the Tipping Fee as set forth herein.
12. "Non-County Solid Waste" shall mean any Solid Waste, as defined herein, not generated in the County of Washtenaw.
13. "Owner" shall mean the lawful owner of the Landfill at the time this Agreement is executed, including all successors and assigns by agreement, merger, acquisition or otherwise.
14. "Solid Waste" shall mean Solid Waste as defined at MCL 324.11506(1) and shall not include Excluded Waste as defined herein.
15. "Special Waste" shall mean non-hazardous waste material consistent with an Owner approved Waste Profile (defined below), which may include treated or de-characterized wastes; petroleum or petroleum products; industrial process wastes; asbestos containing material; chemical containing equipment; demolition debris; incinerator ash; medical waste; off-spec chemicals; sludge; spill cleanup waste; or underground storage tank soil.
16. "Tipping Fee" shall mean the fee which the Owner will charge for the disposal of County Solid Waste at the Landfill. This shall be a complete and maximum fee inclusive of any and all taxes, surcharges, assessments or other costs imposed by any entity, state, local or federal. This Tipping Fee shall be subject to a favored nation's clause as set forth herein.
17. "Ton" shall mean 2,000 pounds.
18. "Waste Profile" shall mean a detailed written physical and chemical description of any Special Waste, including unique characteristics and safety precautions associated therewith ("Waste Profile"). An approved Waste Profile must be updated from time to time to reflect any changes and warrants that all Special Waste delivered to the Landfill shall conform to the Waste Profile.

II. TERM OF AGREEMENT AND VOLUNTARY/MUTUAL TERMINATION OF ORIGINAL AGREEMENT DATED JUNE 4, 1992

- 2.01 Notwithstanding the date this Agreement is fully executed, the Term of this Agreement is from the 1st day after the mutual termination date of the 1992 Agreement for twenty-five (25) years going forward and renewable thereafter for a duration to be established in writing by the parties hereto. The mutual termination date for the 1992 Agreement shall be and is December 31, 2017 and this Agreement shall, therefore, be effective January 1, 2018. Such termination is being made voluntarily and to resolve any and all issues relating to compliance with the 1992 Agreement, except the reconciliation of all payment issues through December 31, 2017.
- 2.02 The 1992 Agreement, including all amendments, modifications, adjustments or oral changes, is fully terminated and held for naught as of December 31, 2017. Owner and County agree to the Termination of the 1992 Agreement as set forth herein and both parties hereby waive, release and hold for naught any claims, suits or demands, known or unknown, relating to the Termination or the Termination of the 1992 Agreement process herein. The Termination shall be viewed, for all fact, legal and equitable arguments, as mutual between the parties and monies owed to the BPW shall be fully reconciled and prorated in accordance with the terms of the 1992 Agreement through the date of the Termination. Aside from the full reconciliation of payments due to BPW through December 31, 2017, the Owner and BPW do hereby waive, forgive and release any further claim, suits or demands relating to or arising from the 1992 Agreement in favor of this Agreement.
- 2.03 This Agreement may only be re-opened as set forth herein or if required by law or by the order of any court.

III. DISPOSAL OF COUNTY SOLID WASTE

- 3.01 Throughout the Term, the Owner shall accept for lawful disposal at the Landfill all County Solid Waste which is delivered by any entity for or on behalf of the County or any Local Unit to the Landfill.
- 3.02 Any entity acting by or on behalf of the County or a Local Unit delivering County Solid Waste for disposal at the Landfill, shall only be charged the Tipping Fee as set forth herein or, if by written contract with a Local Unit, a rate lower than the Tipping Fee provided that such loads of Solid Waste delivered by or on behalf of the County or a Local Unit are not commingled with Solid Waste from outside of the County or Local Unit so that the benefit received by the County and the Local Unit pursuant to this section is solely for the residents of the County. The Tipping Fee shall be paid to the Owner by the entity delivering the Solid Waste to the Landfill.
- 3.03 The Tipping Fee shall be the total maximum fee charged to the County and Local Units. The Tipping Fee shall be adjusted from time to time and shall be, at all times herein, equal to or less than the current lowest rate as contracted by Owner with a Non-County public entity where the exclusive service provided is only the disposal of residential Solid Waste to the Landfill. For purposes of this provision, such Non-County public entity's rates shall be the sum of all fees charged to such entity including, but not limited to, taxes, surcharges and base rate. When fees and surcharges paid by a Non-County public entity are expressed as a percentage, then for purpose of calculating comparable rates charged to

the County, the average of the immediate prior six (6) months of such charges shall be applied under this provision.

Tipping Fee: \$26.89/ton

- 3.04 Notwithstanding the foregoing, all other municipalities not otherwise included in the definition of Local Units or the County, including, but not limited to schools, colleges, federal offices and agencies, shall not be entitled to the same Tipping Fee as charged to the Local Units or the County and may be charged a different rate including additional fees and host community fees as determined by Owner.
- 3.05 Nothing in this Agreement constitutes a promise, pledge, warranty, contract or representation that County Solid Waste, in any amount or on any schedule, will be delivered to the Landfill for disposal during the Term of this Agreement. There should be no expectation of volume or duration on the part of the Owner under the terms of this Agreement.
- 3.06 The Owner may impose a different rate than the Tipping Fee for any Excluded Waste delivered by or on behalf of the County or a Local Unit.
- 3.07 Throughout the Term, the Owner shall not charge any Non-County public entity for the disposal of Non-County Solid Waste which has an effective rate for disposal at the Landfill lower than the Tipping Fee set forth herein without lowering the County and Local Unit's Tipping Fee to an equal amount. However, at Owner's sole discretion, Owner may charge a lesser rate to any Customer for disposal of Excluded Waste.

The purpose of this provision is to ensure that the Tipping Fee is, at all times during the Term, the lowest disposal rate charged by the Owner to any Non-County public entity for Solid Waste disposed of at the Landfill where Owner is only providing disposal services. Such rate shall not apply if Owner is providing any other services in addition to disposal services to the Landfill, such as collection, transportation, processing or recycling. The Owner fully acknowledges the purpose and intent of this provision. The Owner agrees to maintain all information, records, etc., relating to any agreements addressed by this provision. Such information shall be made available to BPW for BPW's inspection at Owner's offices on an annual basis, in order for BPW to analyze whether there is a violation of this provision. Nothing contained here shall require Owner to provide copies of any such documentation to BPW. Any violation of this provision shall result in an immediate adjustment of the Tipping Fee to the lower amount and a reimbursement of the higher fees retroactively back to the established date of the violation.

IV. DISPOSAL OF NON-COUNTY SOLID WASTE

- 4.01 Owner shall Pay to BPW an annual Flat Fee of \$600,000.00 and a 2.5% Capacity Fee as the Capacity Fee is calculated in accordance with Exhibit 1, attached hereto and incorporated by reference herein. The Flat Fee shall be adjusted annually, upward or downward, by the CPI for the prior 12 month period not to exceed a 2.0% increase or decrease annually.

The Owner shall maintain all records necessary to document, calculate and verify the Capacity Fee. The Flat Fee of \$600,000.00 and the 2.5% Capacity Fee shall be paid to BPW on a

prorata quarterly basis. The payments are due within 14 days of the end of each calendar quarter. Owner agrees to meet with BPW within fourteen (14) days of any written request by BPW to discuss the Capacity Fee calculation made by the Owner under this provision.

- 4.02 Notwithstanding the foregoing, a minimum of \$300,000.00 of the 2.5% Capacity Fee paid by the Owner to the County shall be utilized by the County for programs which minimize waste disposal, encourage recycling and which facilitate ongoing facilities to ensure safe and effective waste disposal practices in a manner which promotes the goals, objectives and operations of both the Owner and the County.
- 4.03 This Agreement shall be subject to a re-opener, at the Owner's sole discretion, in any one or more of the following situations only. If exercised, the Owner agrees to contact the County in writing to set forth the basis of the re-opener.
1. A state law is enacted or amended which requires that the Landfill stop receiving for disposal Non-County Solid Waste; or
 2. The Landfill ceases its operations; or
 3. Capacity at the Landfill prevents the receipt for disposal of Non-County Solid Waste; or
 4. Any Expansion as defined herein, is granted; or
 5. Any Expansion as defined herein, is denied; or
 6. There is a change in the law that rescinds or significantly modifies the restrictions on receiving Non-County Solid Waste without the approval of the importing County.
 7. There is a material change in the County Plan that imposes new and increased obligations on the Landfill in such a manner to further regulate or restrict the disposal of Non-County Solid Waste at the Landfill.

V. OWNER OBLIGATIONS

- 5.01 Owner agrees to comply with all rules, regulations and laws, including the County Plan, relating to the permitting, maintenance and operation of the Landfill at all times during the Term and, if notified of a violation, shall diligently pursue necessary actions to bring the Landfill back into compliance.
- 5.02 Upon request, and throughout the Term, the Owner shall provide BPW with copies of any and all Landfill inspection reports conducted by any governmental entity.
- 5.03 Owner agrees that, throughout the Term, Owner shall, at the written request of BPW, provide a written report on the remaining capacity for disposal at the Landfill. The report shall be detailed and fully supported by an expert third party consultant. The report shall be provided within forty-five (45) days of any written request.

- 5.04 Owner certifies that its marketing priorities for Solid Waste disposal throughout the Term will be as follows: First priority - Washtenaw County, Second Priority - Southeast Michigan, Third priority - State of Michigan, Fourth priority - out of state.
- 5.05 The Landfill shall not, receive for disposal, more than two (2) million tons of Solid Waste and Excluded Waste from all sources in any single year and no more than 9.1 million tons of Solid Waste and Excluded Waste over a rolling five (5) consecutive year period during the Term. For calculations made under this provision, Excluded Waste (except for landfill construction materials, alternate daily cover and Beneficial Reuse Materials) shall be included with Solid Waste.
- 5.06 The tonnage restrictions set forth herein may be increased if waste materials are generated in excess of the normal and ordinary course due to a catastrophic event resulting in excess waste materials delivered to the Landfill for disposal. Owner shall notify BPW of such event and the parties shall agree to an appropriate variance in the volume limitations set forth herein in order to accommodate such additional waste materials.

Any violation of these tonnage restrictions, either annually or over the five (5) year period set forth above, shall result in a stipulated and liquidated penalty in the amount of \$25,000.00 for each violation. Any penalty under this provision shall be paid by the Owner to BPW within sixty (60) days of the end of the calendar year in which the penalty is assessed.

- 5.08 Owner agrees that, throughout the Term, Owner shall establish and maintain a payment bond or irrevocable letter of credit with trigger language that establishes a payment to BPW in any situation where if the Owner does not pay timely the Fixed Fee or Capacity Fee, then if after thirty (30) days' notice Owner fails to cure, BPW may trigger the bond or irrevocable letter of credit and collect the amounts due from the bond or irrevocable letter of credit. The bond or letter of credit shall be in the amount of Two Million (\$2,000,000.00) Dollars and shall be available for review and verification upon request by BPW.

VI. INDEMNITY AND HOLD HARMLESS

- 6.01 The Owner agrees to indemnify, defend and hold harmless the BPW, the County (including its divisions, departments and elected appointed officials) and the Local Units, from and against any and all liabilities, obligations, damages, penalties, potentially responsible party status/allegations, claims, costs, charges, losses and expenses (including without limitation, fees and expenses of attorneys, expert witnesses and other consultants) which may be imposed upon, incurred by or asserted against the BPW, the County or any of the Local Units by reason of any of the following occurring during the Term:
- a) any violation occurring at the Landfill of any federal, state or local statute, regulation, ordinance, permit or license, including any administrative action initiated under the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended, regarding the processing, transporting or disposal of County and Non-County Solid Waste at the Landfill pursuant to this Agreement and regarding the Owner's operations or ownership of the Landfill; and

- b) any failure by the Owner to perform its obligations, either implied or express, under this Agreement; and
 - c) any order, directive, suit, claim or demand brought by any government or any entity relating to any contamination caused by the Landfill during the Term, on-site or off-site, wherein there is an allegation that the BPW, the County or any Local Unit is a potentially responsible party ("PRP") as defined under any law, including CERCLA, RCRA or any equivalent law in the State of Michigan; and
 - d) this provision shall apply during the term of this Agreement and shall survive the Term for thirty (30) years; and
 - e) the parties acknowledge and agree that, notwithstanding the rights afforded to the County and BPW pursuant to this Agreement, the County and BPW shall in no event be deemed an owner, operator, generator or transporter in connection with any PRP or other liability that may arise related to the Landfill and Owner's indemnifications obligations shall extend to any such claims should they arise. The County's and BPW's only PRP liability related to the Landfill shall be limited to the materials that the County generated and delivered or arranged to have delivered to the Landfill.
- 6.02 The defense, indemnity and hold harmless obligations under this Agreement shall survive the Termination or expiration of this Agreement by 30 years.
- 6.03 The Owner and the County/BPW agree not to challenge the legality or constitutionality of any provision or term of this Agreement, directly or indirectly, including but not limited to the imposition and payment of the Flat Fee or the Capacity Fee. The Owner agrees that it shall at all times continue to pay the Flat Fee and the Capacity Fee as directed herein and abide by all other terms of this Agreement, including but not limited to the Tipping Fee and capacity commitment requirement, even in the event that any such provision or term is challenged or may be declared illegal by a court of competent jurisdiction in another context.

VII. TERMINATION

- 7.01 Owner may, at its sole option and discretion, terminate this Agreement upon the occurrence of any one (1) or more of the following events: (1) any update or Amendment of the County Plan that effectively restricts the Landfill's right to dispose of Non-County Solid Waste at the Landfill to an extent materially greater than reflected in the update or Amendment of the County Plan, or the County takes other action (or fails to act) with the same effect; (2) if any updates of the County Plan do not recognize the Landfill as consistent with such plan, or the County otherwise takes affirmative action to prevent permitting and licensing of the Landfill or any Expansion; or (3) if, following Owner's good faith efforts to obtain an Expansion, the Landfill ceases to accept Solid Waste for disposal. Upon termination of this Agreement pursuant to this Section, neither party shall be liable to the other for any costs or damages except as otherwise expressly set forth herein.
- 7.02 If this Agreement is terminated because it is no longer required by law and the Landfill continues operations, the existing Capacity Fee payment amount due from Owner to BPW shall continue to be paid for the next six (6) consecutive calendar quarters in the same manner as the Capacity Fee

payments are required herein. The Flat Fee shall terminate immediately upon any termination under this Agreement.

VIII. ASSIGNMENT AND SUBCONTRACTING

- 8.01 The Owner shall not assign or encumber directly, or indirectly, any interest whatsoever in this Agreement, and shall not transfer any interest in this Agreement (whether by assignment or novation), without the prior written consent of the BPW. Any such consent given in any one instance shall not relieve the Owner of its obligation to obtain the prior written consent of the BPW to any further assignment.
- 8.02 The Owner agrees to defend, indemnify and hold the BPW and County harmless from any claims initiated pursuant to any subcontract it enters into in performance of this Agreement.
- 8.03 This Agreement shall inure in all particulars to the benefit of County, the BPW, their agents, successors and assigns.
- 8.04 It is recognized that the BPW or the County may enter into an agreement with each Local Unit conferring the benefits and obligations derived from this Agreement upon such Local Unit. Accordingly, each Local Unit is recognized as a third party beneficiary to this Agreement, with rights to enforce only those provisions contained in Article III hereof.

IX. COMPLIANCE

- 9.01 The Owner shall cooperate fully with all federal, state and local, regulatory agencies relative to inspections required for assuring compliance with all applicable federal, state, and local laws, ordinances, and rules and regulations.
- 9.02 At all times herein, the Owner shall insure that the height of the Landfill remains in full compliance at a height not to exceed that which is allowed pursuant to its then current permit.
- 9.03 Owner hereby represents and warrants that Owner will comply fully and completely with all laws, ordinances, regulations and directives of any local, state or federal agency having any jurisdiction over the Landfill.
- 9.04 Owner agrees to timely provide BPW with a copy of any notice of violation from any governmental entity relating to the Landfill or the operations at the Landfill. Owner agrees to timely provide BPW with a copy of any response to any notice of violation from any governmental entity relating to the Landfill or the operations at the Landfill.
- 9.05 BPW, or its authorized representatives, shall have the right to conduct such inspections as necessary to verify the accuracy of records presented by the Owner as required herein.
- 9.06 Owner hereby agrees to pay BPW a stipulated and liquidated penalty of \$1,000.00 for any notice of violation that is not cured or taken corrective action within sixty (60) days of the notice or such longer time if Owner commences a cure or take corrective action

and diligently pursues to resolve such violation.

- 9.07 Notwithstanding any of the rights and obligations herein, the BPW has the right to initiate a meeting in January of each year during the Term wherein any and all rights and obligations of the parties otherwise set forth herein can be discussed. BPW agrees to provide a written notice of its desire to have such a meeting in the month of December which shall include a written list of the meeting topics and the information requested for review.

X. NO EMPLOYMENT OR LEGAL RELATIONSHIP

- 10.01 Nothing in this Agreement creates any employment relationship between any parties hereto and nothing in this Agreement, beyond the terms herein, creates any partnership, enterprise, venture, company or corporation by or between the parties hereto.

XI. FULLY INTEGRATED AGREEMENT, MICHIGAN LAW AND MUTUAL DRAFTING

- 11.01 This Agreement shall be a fully integrated Agreement and supersedes all prior written agreements and any prior written or oral communications between the parties.
- 11.02 This Agreement shall be construed under Michigan law.
- 11.03 This Agreement shall be deemed to be mutually drafted.

XII. RECORDING OF THE AGREEMENT

- 12.01 Owner and BPW agree that this Agreement, together with its exhibits, may be recorded by BPW against the real property wherein the Landfill is located.

XIII. AMENDMENTS AND FUTURE PLANNING

- 13.01 No amendment to this Agreement shall be effective and binding upon the parties unless it expressly makes reference to this Agreement, is in writing and is signed and acknowledged by duly authorized representatives of both parties and is approved by the Owner, the County Board of Commissioners and the BPW.
- 13.02 In the event that the laws, rules or administrative interpretations governing the disposal of Non-County Solid Waste in the Landfill become less restrictive in any material respect than currently imposed, the County shall include such changes in the County Plan unless such changes are inconsistent with the current laws.
- 13.03 If any County Plan or Update of the County Plan is approved by the County and is not approved by others in accordance with law as required for the County Plan or Update to become effective, the County shall respond in a manner reasonably calculated to secure such approval and to the maximum extent possible, to carry out the provisions of this Agreement.

- 13.04 Notwithstanding anything to the contrary herein, if the County shall, for whatever reason, fail to perform in the manner provided herein, this Agreement shall, upon notice by the Owner be rendered null and void and neither party shall be liable to the other for any costs or damages incurred.
- 13.05 Notwithstanding anything to the contrary herein, in the event that the applicable state law shall be amended to permit waste from one county to be disposed of in another county without authorization or approval by the receiving county, and no other federal, state or local law or regulation makes obtaining such authorization or approval a condition of disposing waste origination in one county in another county, the Owner shall not be required to pay the Flat Fee or Capacity Fee.

XIV. NOTICES

- 14.01 All notices made to another party pursuant to any provision of this Agreement shall be made in writing and mailed by first-class mail as follows:

To the BPW:

Washtenaw County Public Works Division
Attn: Director of Public Works
705 N Zeeb Rd
P.O. Box 8645
Ann Arbor MI 48107-8645

To the Owner:

Advanced Disposal Services Arbor Hills Landfill, Inc.
Attn: District Manager
10690 W Six Mile Rd.,
Northville, MI 48168

With a copy to:

Advanced Disposal Services
Attn: General Counsel
90 Fort Wade Road; Suite 200
Ponte Vedra, FL 32081

XV. MISCELLANEOUS

- 15.01 No failure by either party to insist upon the strict performance of any covenant, agreement, term or condition of this Agreement or to exercise any right, term or remedy consequent upon a breach thereof shall constitute a waiver of any such covenant, agreement, term and condition.
- 15.02 If any provision of this Agreement or the application thereof to any person or circumstance shall to any extent be invalid or unenforceable, the remainder of this Agreement, or the application of such provision to persons or circumstances other than those as to which it is

invalid or unenforceable shall not be affected thereby, and each provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law.

15.03 This Agreement may be executed in any number of counterparts and all of said counterparts taken together shall be deemed to constitute one and the same instrument. Promptly after the execution thereof, the BPW shall submit to the Owner a conformed copy of this Agreement.

15.04 This Agreement constitutes a covenant running with the land described as the Landfill and Expansion, and may be recorded pursuant to Article XII above. Upon request by the County or BPW, the Owner agrees to cooperate and with such recording,

XVI. LEGAL AND CONSULTING FEES

16.01 Upon the execution of this Agreement, Owner shall make the following payments:

- \$7,500.00 payable to Davis Listman PLLC, 10 S. Main Street, Suite 401, Mt. Clemens, Michigan 48043 within 30 days.

WITNESSED:

[Signature]
Deputy Clerk

Attested
LAWRENCE KESTENBAUM
COUNTY CLERK / REGISTER OF DEEDS

WASHTENAW COUNTY

By: [Signature]
Chair, Washtenaw County
Board of Commissioners

Dated: _____

By: [Signature]
Washtenaw County Clerk/Register

Dated: 11/16/17

ADVANCED DISPOSAL SERVICES
ARBOR HILLS LANDFILL, INC.

[Signature]
Executive Admin. Assistant

By: [Signature]
Its: Region VICE President

Dated: 10/31/2017

CONTENT APPROVAL:

[Signature]
CHIEF DEPUTY WATER RESOURCES COMMISSIONER

By: [Signature]
Washtenaw County Director of
Public Works

Dated: 11/9/17

Michelle K. Bellard
Assistant Corporation Counsel

FORMAL APPROVAL:

By: Curtis N. Hedger
Washtenaw County Office of
Corporate Counsel

Dated: 11-15-17

EXHIBIT 1
CAPACITY FEE CALCULATIONS

1. The Capacity Fee, payable for each calendar quarter by the Owner to BPW, shall be two point five percent (2.5%) of the following as calculated for each calendar quarter:
 - (a) the total amount of money received (Gross Gate Revenues on a cash basis) by the Owner in such quarter for the disposal of all Solid Waste in the Landfill (adjusted upward or downward, as appropriate, to correct mathematical errors in the amount reported in prior quarters); minus
 - (b) any amounts that the Owner refunds in such quarter as a result of overcharges made to customers in prior quarters; plus
 - (c) an amount, for disposal of all Wastes at the Landfill in such quarter by the Owner or by companies controlled by, controlling, or under common control with the Owner ("Related Entity"), based on the disposal rate established (i) for such Related Entities in the Owner's internal accounting procedures, or (ii) for other customers of the Landfill for comparable volume and nature of Waste (unless such Related Entity is disposing of Waste collected under an already existing contract with an independent third party and the circumstances of contracting prevent a practical comparability analysis to other customers), whichever is greater; plus
 - (d) an amount, for the disposal of all Waste at the Landfill for which the Owner received no money (except Waste generated in the Township of Salem for which the Owner does not charge any disposal fees and except for disposal given to charitable, public or civic organizations as a donation and for which the Owner receives no consideration), which is equal to the amount of the Owner's standard rate charged other customers for comparable volume and nature of waste; plus
 - (e) an amount equal to the value of other consideration (of whatever nature) that the Owner receives in addition to money for the disposal of Waste at the Landfill in such quarter (to the extent not accounted for under subparagraph (d) above). In the event the Owner and the BPW cannot agree on the value of such other consideration, this amount shall equal the amount the Owner charges other customers for comparable volume and nature of Waste less the amount of money actually received for such disposal; minus
 - (f) an amount that the Owner pays the Township of Salem under a Host Community Agreement between the Owner and the Township of Salem dated as of March 28, 1991 including any and all amendments thereto.

2. The Capacity Fee shall be reduced by:

- (i) Any fees, charges or other payments of any kind (other than real and personal property taxes) payable by the Company to the County or BPW because wastes are being disposed at the Landfill or because of the existence of the Landfill, except to the extent such fees, charges or payment (1) are made as a result of the Company's obligations to the County under the Agreement; or (2) are collected by the County for the benefit of others; and
- (ii) The cost of complying with ordinances (or parts thereof) the County enacts in the future which affect operations of the Landfill but which (1) do not affect other residents of or other businesses operating in the County, or (2) disproportionately affect the Landfill compared to their effect on other residents of or other businesses in the County.

EXHIBIT 2
LANDFILL PROPERTY DESCRIPTION

The Following Parcel Descriptions together compose the Advanced Disposal site located at 10960 W. Six Mile Road Northville, MI 48168:

PIN A -01-13-100-001

LEGAL_DESCRIPTION: *OLD SID - A 01-013-001-00 SM 13-1 E 1/2 OF NE 1/4 SEC 13 T1S-R7E 77.56 AC.

PIN A -01-13-100-003

LEGAL_DESCRIPTION: SM 13-2B (REWRITE 9/88) COM AT NE COR SEC 13, TH N 89-33-00 W 1544.46 FT TO POB TH N 89-33-00 W 200.00 FT, TH S 00-27-00 W 300.00 FT TH S 89-33-00 E 200.00 FT THN 00-27-00 E 300.00 FT TO POB. PT OF NE 1/4 SEC 13, T1S-R7E 1.38 AC

PIN A -01-13-100-004

LEGAL_DESCRIPTION: *OLD SID - A 01-013-005-00 SM 13-3 W 45 AC OF W1/2 OF NE FRL 1/4 SEC. 13 T1S R7E 45.00 AC.

PIN A -01-13-200-001

LEGAL_DESCRIPTION: *OLD SID - A 01-013-006-00 SM 13-4 E 81.55 AC OF NW FRL 1/4 SEC. 13 T1S R7E 81.55 AC.

PIN A -01-13-300-001

LEGAL_DESCRIPTION: *OLD SID - A 01-013-024-00 SM 13-12A E 1/2 OF SW 1/4 LYING N OF R.R. R.O.W. SEC 13 T1S R7E 30.52 AC.

PIN A -01-13-400-003

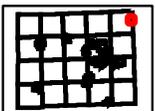
LEGAL_DESCRIPTION: SM 13-2A,3A-1 (9-88) COMBINATION 100-002, 400-001 COM AT NE COR SEC 13, TH N 89-33-00 W 1322.37 FT TO POB, TH S 01-57-37 E 2728.64 FT, TH N 86-30-40 E 1202.90 FT TH S 00-49-00 W 1105.70 FT, TH 845.74 FT ALNG ARC OF CURV LFT-RAD 6172.68 FT-CH N 89-57-39 W 845.08 FT, TH 629.03 FT ALNG ARC OF CURV LFT-RAD 11227.79 FT-CH S 84-30-33 W 628.95 FT, TH 370.62 FT ALNG ARC OF CURV RRAD 13350.74 FT-CH S 83-41- 58 W 370.61 FT, TH S 84-29-50 W 260.82 FT, TH N 04-02-14 W 1099.94 FT, TH N 86-30-40 E 445.00 FT, TH N 02-31-29 W 2767.63 FT, TH S 89-33-00 E 153.99 FT, TH S 00-27-00 W 300.00 FT, TH S 89-33-00 E 200.00 FT, TH N 00-27-00 E 300.00 FT, TH S 89-33-00 E 222.09 FT TO THE P.O.B. PT OF E 1/2 SEC 13, T1S-R7E 86.94 AC

PIN A -01-13-400-004

LEGAL_DESCRIPTION: SM 13-3A-1A (9-88) COM AT NE COR SEC 13, TH N 89-33-00 W 1898.45 FT, TH S 02-31-29 E 2767.63 FT, TH S 86-30-40 W 445.00 FT TO POB, TH S 04-02-14 E 1099.94 FT, TH S 84-29-50 W 334.26 FT TH N 02-18-11 W 1111.88 FT, TH N 86-30-40 E 300.52 FT TO THE POB. PT OF SE 1/4 SEC 13, T1S-R7E 8.05 AC



Location Map



Total Acreage: 331



1:7,000



NO REPRODUCTION OF THIS PRINT SHALL BE MADE WITHOUT THE AUTHORIZATION OF THE WASHTENAW COUNTY EQUALIZATION DEPARTMENT ANN ARBOR, MI

The information contained in this cadastral map is used to locate, identify and inventory parcels of land in Washtenaw County for appraisal and taxing purposes only and is not to be construed as a "survey description". The information is provided with the understanding that the conclusions drawn from such information are solely the responsibility of the user. Any assumption of legal status of this data is hereby disclaimed.
NOTE: PARCELS MAY NOT BE TO SCALE