

APPENDIX A

SUMMARY OF RECOMMENDATIONS, IMPLEMENTATION SCHEDULE, AND BUDGET

Summary of Recommendations, Implementation Schedule, and Budget

Chapter 3-Waste Reduction and Recycling (WRR)	Projected Additional Cost to Agency	Funding Mechanism	Implementation Schedule	Lead Agency
1) Actively support the development of product stewardship laws at the state and national level that require manufacturers or retailers to provide collection, recycling and/or safe disposal programs for target products.	\$0	Tipping Fees	Ongoing	SWD
2) Work with local jurisdictions and agencies to adopt and follow environmentally preferred purchasing programs. These programs will: a) Use the County Waste Wi\$e program as a model, and focus on the procurement of goods and services that cause less harm to humans and the environment than competing goods and services that serve the same purpose and are cost-effective. b) Be refined on an ongoing basis, and consider the impacts of goods and services over their life-cycle, including raw materials acquisition, production, manufacturing, packaging, distribution, re-use, operation, maintenance or disposal of the product or service.	\$0	Tipping Fees	Ongoing	SWD, Cities
3) Continue to offer waste prevention programs and strategies that encourage businesses, institutions, and households to reduce the amount of waste they generate. Examples of successful approaches include: a) Using both publicly and privately operated central depots to collect re-usable materials such as used clothing. b) Promoting re-usable products and waste exchange programs. c) Cooperating with charities and service organizations to provide assistance and to promote services and community garage sales and events that help to reduce waste. d) Participating in multi-jurisdictional and multi-disciplinary programs that build partnerships with organizations that emphasize waste prevention, resource recovery and re-use. e) Continuing to offer programs and awards to publicly recognize individuals, businesses, and agencies that exercise leadership and accomplishment in waste reduction, recycling, and environmental protection.	\$0	Tipping Fees	Ongoing	SWD
4) Continue to support efforts to increase the recycling rate and to increase participation in recycling programs in Kitsap County. This may include revising the list of materials accepted in curbside collection programs, expanding the availability of curbside collection, implementing rate incentives, and other techniques.	\$0	Tipping Fees	Ongoing	SWD
5) Include the cost of “free” recycling in the disposal fees at the Recycling and Garbage Facilities.	\$0	Tipping Fees	Ongoing	SWD

Chapter 3-Waste Reduction and Recycling (WRR)	Projected Additional Cost to Agency	Funding Mechanism	Implementation Schedule	Lead Agency
6) Set rate structures at Recycling and Garbage Facilities such that it is less costly for customers with small volume loads to sign up for curbside collection than it is to self-haul their garbage.	\$0	Tipping Fees	Ongoing	SWD
7) Continue to work regionally to develop new uses and markets for recycled and diverted materials.	\$0	Tipping Fees	Ongoing	SWD
8) Cities who are negotiating new or updated solid waste contracts should incorporate language that requires contracted haulers to offer specified levels of recycling services to commercial customers.	\$0	Funded by Subscribers	Ongoing	Cities
<p>9) Refine and reinvigorate the business waste reduction and recycling program as follows:</p> <p>a) Promote product stewardship.</p> <p>b) Support legislation that encourages commercial recycling and environmentally sound design of consumer products.</p> <p>c) Work with new businesses locating in the County to encourage them to incorporate pollution prevention, sustainability practices, and waste minimization into their facility and product design.</p> <p>d) Participate with key organizations and institutions to promote sustainability in product development and manufacture. Assist such organizations and institutions with their research into selected existing and proposed alternative products for their toxicity, recyclability, re-usability, water consumption, energy use, and waste resulting from manufacturing and use.</p> <p>e) Continue to promote the Waste Wi\$e @ Work program by providing on-site waste assessments to businesses, other recycling-related technical assistance, and recognition for recycling efforts.</p> <p>f) Expand participation in multi-disciplinary environmental assistance programs for businesses that offer industry-specific counseling on reducing the volume and toxicity of their waste stream, implementing environmentally preferable purchasing, and reducing overall environmental impacts.</p>	\$0	Tipping Fees	Ongoing	SWD, KPHD
10) Work with City and County agencies to adopt building and zoning ordinances that incorporate technical review requirements to ensure that adequate recycling space and screening enclosures are included in new or remodeled multifamily and commercial projects prior to issuing permits.	\$0	Tipping Fees	2017	Cities, County DCD
11) Evaluate the benefits of charging variable tipping fees to capture loads of recyclable-rich commercial and C&D waste.	\$0	Tipping Fees	2017	SWD

Chapter 3-Waste Reduction and Recycling (WRR)	Projected Additional Cost to Agency	Funding Mechanism	Implementation Schedule	Lead Agency
12) Include climate change considerations as well as economic impacts when considering the merits of expanding or enhancing curbside garbage and recycling collection in the unincorporated county.	\$0	Tipping Fees	Ongoing	SWD
13) If statewide waste diversion goals are not reached by 2022, consider disposal bans for materials including, but not limited to, organic materials and C&D if cost effective recycling services and adequate program enforcement efforts are available by that time.	\$0	Tipping Fees	Ongoing	SWD
14) Complete widespread implementation of new multifamily recycling program, piloted in 2014-15. Elements include: individual property assessments and container right-sizing; door-to-door tenant outreach; provision of in-unit bags to transport recyclables to central enclosures.	\$10,000	Tipping Fees	2017	SWD
15) Review service level ordinance and make necessary changes to address changing market conditions, need for different container types, and availability of services to residential customers.	\$0	Tipping Fees	2017	SWD
16) Add scrap metal, rigid plant pots, and buckets to the designated recyclables list for curbside collection. Continue to revise curbside recycling material acceptance criteria as needed, using best available research and data. Make acceptance criteria dependent upon MRF capabilities, market conditions, material stream quality, ease of use, and social justice considerations.	\$0	Tipping Fees	2017	SWD
TOTAL	\$10,000			

Chapter 4-Organics (ORG)	Projected Additional Cost to Agency	Funding Mechanism	Implementation Schedule	Lead Agency
1) Continue to promote home composting and natural lawn care as an effective means of reducing exposure to toxics, reducing the volume and toxicity of the waste stream, reducing toxic runoff to surface water, reducing greenhouse gas impacts, and reducing system-wide costs associated with managing organic materials.	\$0	Tipping Fees	Ongoing	SWD
2) Expand the existing every-other-week residential curbside yard and vegetative food waste collection program, as follows: a) Educate Kitsap residents about the greenhouse gas reduction benefits associated with composting and replacing synthetic petroleum-based fertilizers with compost. b) Pilot strategies to increase participation, such as allowing compostable plastic caddy liners and yard waste bags. Evaluate how the liners respond in the composting system and adjust acceptance criteria accordingly c) Expand the availability of curbside organic materials collection by expanding the service boundary.	\$0	Tipping Fees	Ongoing	SWD
	\$15,000	Tipping Fees	2018	SWD
3) Expand the availability, participation, and diversion rate associated with commercial organic materials collection programs. Cities who are negotiating new or updated solid waste contracts are encouraged to include curbside yard and vegetative waste collection in the cost of residential and commercial curbside garbage collection service.	\$0	Funded by subscribers	2020	Cities
4) Work with City and County agencies and stakeholders to adopt building and zoning ordinances that require new construction and commercial projects, especially restaurants and institutional kitchens, to have food waste collection space available prior to issuing permits.	\$0	Tipping Fees	2017	Cities, County DCD
5) Work with local food growers, producers, manufacturers, food service providers, institutional kitchens, and retailers to expand diversion of organic materials, including vegetative and animal wastes, into composting and/or energy production.	\$0	Tipping Fees	Ongoing	SWD
6) Continue to promote the recycling of landclearing debris via on-site chipping and wood waste processors.	\$0	Tipping Fees	Ongoing	SWD
7) Continue to coordinate activities with the KPHD and jurisdictional code enforcement entities to ensure that management of food and yard waste is conducted to minimize nuisances and in accordance with all applicable regulations and performance standards.	\$0	Tipping Fees	Ongoing	SWD

Chapter 4-Organics (ORG)	Projected Additional Cost to Agency	Funding Mechanism	Implementation Schedule	Lead Agency
8) Support Sewer Utility efforts to investigate economically viable options for managing biosolids in Kitsap County.	\$0	Tipping Fees	Ongoing	SWD
9) Encourage the local development of alternative technologies that produce energy or minimize greenhouse gas emissions from organic materials and solid wastes.	\$0	Tipping Fees	Ongoing	SWD
10) If statewide waste diversion goals are not reached by 2022, consider disposal bans for materials including, but not limited to, organic materials and C&D if cost-effective recycling services and adequate program enforcement efforts are available by that time.	\$0	Tipping Fees	Ongoing	SWD
11) Design and implement a food recovery/rescue program, using the USEPA's food recovery challenge framework.	\$50,000	Tipping Fees	2018	SWD
TOTAL	\$65,000			

Chapter 5-Construction & Demolition Debris (CD)	Projected Additional Cost to Agency	Funding Mechanism	Implementation Schedule	Lead Agency
<p>1) Increase residential and commercial C&D recycling as follows:</p> <p>a) Support the addition of C&D processing capacity at the Olympic View Transfer Station and/or other in-county locations.</p> <p>b) Develop a rate structure that provides an incentive for customers to source-separate garbage from C&D in order to facilitate processing of mixed C&D and/or segregated C&D materials.</p> <p>c) Work with contractors and industry associations such as the Kitsap Building Association on programs that encourage source-separation of C&D materials for recycling.</p> <p>d) Work with City and County agencies to adopt building and zoning ordinances that require a mandatory waste diversion plan for projects over a specified size or value.</p> <p>e) Promote salvage and re-use of C&D materials.</p>	\$0	Tipping Fees	Ongoing	SWD
<p>2) Continue to promote and support sustainable building practices and certification programs such as Built Green™ and LEED for new construction and for major remodels.</p>	\$0	Tipping Fees	Ongoing	SWD
<p>3) Encourage the use of environmentally preferable building materials in construction and remodeling.</p>	\$0	Tipping Fees	Ongoing	SWD
<p>4) Actively support the development of product stewardship laws at the state and national level that require manufacturers or retailers to provide collection, recycling and/or safe disposal programs for target products.</p>	\$0	Tipping Fees	Ongoing	SWD
<p>5) Work with City and County agencies to adopt building and zoning ordinances to identify and remove regulatory barriers to green building, and to encourage increased recycling and the use of recycled products in remodeling, construction, and demolition as a part of the permit process.</p>	\$0	Tipping Fees	Ongoing	Cities, County DCD
<p>6) If statewide diversion goals are not reached by 2022, consider disposal bans for materials including, but not limited to, organic materials and C&D if cost effective recycling services and adequate program enforcement efforts are available by that time.</p>	\$0	Tipping Fees	Ongoing	SWD
<p>7) Educate property owners, builders and contractors of regulations on contaminants of C&D, including lead and asbestos. Provide better screening of C&D deliveries to recycling centers or OVTS for contaminants, particularly asbestos.</p>	\$0	Tipping Fees	2017	SWD
TOTAL	\$0			

Chapter 6-Promotion, Education, and Outreach (PEO)	Projected Additional Cost to Agency	Funding Mechanism	Implementation Schedule	Lead Agency
1) Participate in forums, workshops, initiatives and programs that effectively further solid waste program goals and objectives.	\$0	Tipping Fees	Ongoing	SWD
2) Explore the use of current and emerging information technologies such as small screen videos, internet advertising, interactive educational web games, internet-based focus groups, and webinars to reach targeted audiences and obtain public input so that they can be used in an effective manner. Emerging technologies may be used in conjunction with or in place of mail and printed media depending upon the needs of the project.	\$0	Tipping Fees	Ongoing	SWD
3) Continue to use mail and printed media to reach targeted audiences. Mail and printed media may be used in conjunction with or in place of emerging technologies depending upon the needs of the project.	\$0	Tipping Fees	Ongoing	SWD
4) Continue to produce outreach materials to increase awareness of covered load requirements, and continue to charge an uncovered load fee for any loads not in compliance with these regulations. Provide direct contact outreach at disposal facilities, as appropriate, regarding secured loads.	\$0	Tipping Fees	Ongoing	SWD
5) Seek out partnerships with other public, private, and non-profit entities as appropriate to reach certain target audiences and/or delivering specific messages.	\$0	Tipping Fees	Ongoing	SWD
6) Continue to provide technical assistance to businesses that generate dangerous wastes on reducing the volume and toxicity of waste and pollution prevention, as a collaborative effort of the KPHD Business Pollution Prevention Programs, the Local Source Control Program, and the SWD Small Quantity Generator Program.	\$0	Tipping Fees, Grant Funding	Ongoing	SWD, KPHD
7) Continue to develop and provide promotion, education, and outreach services that support residential and business efforts to reduce the volume and toxicity of waste.	\$0	Tipping Fees	Ongoing	SWD
8) Continue to offer programs and awards that publicly recognize individuals, businesses, and agencies that exercise leadership and accomplishment in waste reduction, recycling, and environmental protection.	\$0	Tipping Fees	Ongoing	SWD, KPHD

Chapter 6-Promotion, Education, and Outreach (PEO)	Projected Additional Cost to Agency	Funding Mechanism	Implementation Schedule	Lead Agency
9) Monitor the effectiveness of various promotion, education, and outreach initiatives and techniques using website counters, database logs, surveys, and interpersonal communication.	\$0	Tipping Fees	Ongoing	SWD
10) Continually evaluate outreach programs/campaigns for effectiveness using tangible metrics and measures of efficiency. Redesign/reconsider programs that are showing signs of ineffectiveness or inefficiencies. Use process improvement techniques to optimize efficiency.	\$0	Tipping Fees	Ongoing	SWD
11) Use community-based social marketing theory in the design of all new outreach programs, focusing on behavior change and measurable results.	\$0	Tipping Fees	Ongoing	SWD
12) Develop new curriculum for youth education programs, focused on project-based learning, and considering mandated curriculum requirements in schools.	\$0	Tipping Fees	2018	SWD
TOTAL	\$0			

Chapter 7-Collection (COLL)	Projected Additional Cost to Agency	Funding Mechanism	Implementation Schedule	Lead Agency
<p>1) Reduce greenhouse gas emissions associated with transportation and processing of wastes and recyclables, as follows:</p> <p>a) Promote participation in curbside collection programs.</p> <p>b) Support efforts of waste haulers that increase mileage and reduce emissions.</p>	\$0	Tipping Fees	Ongoing	SWD
<p>2) Expand the existing every-other-week residential curbside yard and vegetative food waste collection program, as follows:</p> <p>a) Expand organic materials collection programs by adding additional compostable papers and foods to the existing collection service.</p> <p>b) Evaluate methods of increasing participation in curbside organic materials collection services then implement the selected options.</p>	\$0	Funded by subscribers	Ongoing	SWD
<p>3) Continue to support efforts to increase the recycling rate and to increase participation in recycling programs in Kitsap County. This may include revising the list of materials accepted in curbside collection programs, expanding the availability of curbside collection, implementing rate incentives, and other techniques.</p>	\$0	Tipping Fees	Ongoing	SWD
<p>4) Expand the availability, participation, and diversion rate associated with commercial organic materials collection programs. Cities who are negotiating new or updated solid waste contracts are encouraged to include curbside yard and vegetative waste collection in the cost of residential and commercial curbside garbage collection service.</p>	\$0	Funded by subscribers	Ongoing	Cities
<p>5) Consider lobbying to change the existing regulatory system that governs collection if it is found to inhibit the County's ability to meet solid and hazardous waste management goals.</p>	\$0	Tipping Fees	Ongoing	SWD
TOTAL	\$0			

Chapter 8-Transfer System for Waste & Recyclables (TRAN)	Projected Additional Cost to Agency	Funding Mechanism	Implementation Schedule	Lead Agency
<p>1) Complete a RAGF and OVTS Rate Study designed to re-structure rates so that they support solid waste program goals. This study will consider an evaluation of level of service, costs for facility operations, and cost implications associated with “free” recycling. Rates at County-owned facilities should be structured to achieve the following:</p> <p>a) Include the cost of “free” recycling in the disposal fees at the RAGFs.</p> <p>b) Set rate structures at RAGFs such that it is less costly for customers with small volume loads to sign up for curbside collection than it is to self-haul their garbage.</p> <p>c) Encourage customers to consolidate their materials so they bring fewer but larger loads.</p> <p>d) Encourage customers with large loads and C&D materials to deliver their materials directly to OVTS.</p> <p>e) Consider the potential impact of rate structures on illegal dumping with information as available.</p> <p>f) Consider the needs of low-income residents.</p> <p>g) Are projected for a 5 year period.</p> <p>h) Charge equivalent fees at each of the County-owned RAGFs.</p> <p>i) Generate sufficient revenue to cover the costs of operations, maintenance, and reserve requirements.</p>	\$0	Tipping fees	2017	SWD
<p>2) Request that Bainbridge Disposal, Inc. implements a rate structure that complements the County’s rate structure, but that considers site-specific costs at the Bainbridge Island Transfer Station.</p>	\$0	Tipping Fees	2017	SWD
<p>3) Implement the results of a RAGF Level of Service (LOS) Analysis in determining the most efficient and effective means of operations of the RAGFs.</p>	\$0	Tipping Fees	2017	SWD
<p>4) Evaluate whether the RAGFs are best operated by a private contractor, Solid Waste Division staff, or under the existing scenario, which combines both methods, and proceed accordingly.</p>	\$0	Tipping Fees	2017	SWD
<p>5) Develop master plans for future development at OVTS and Silverdale RAGF to determine improvements and necessary construction to minimize congestion and maximize diversion.</p>	\$4,100,000	Tipping Fees	2017-2020	SWD
<p>6. Close operations at Poulsbo Recycle Center. Secure an interim location for collection of the limited household hazardous waste types currently accepted at PRC, until a North HHW Facility is operational. Evaluate the entire Recycling and Garbage Facility system to determine the most cost-effective level of service and operational structure system-wide.</p>	\$300,000	Tipping Fees	2017-2018	SWD
TOTAL	\$4,400,000			

Chapter 9-Disposal (DISP)	Projected Additional Cost to Agency	Funding Mechanism	Implementation Schedule	Lead Agency
1) Continue implementation of County Contract KC-479-00 with WMW, which exports the majority of Kitsap County's waste stream via rail to the Columbia Ridge Landfill near Arlington, Oregon.	\$0	Tipping Fees	Ongoing to 2022	SWD
2) Continue to foster a positive working relationship and to monitor performance under County Contract KC-479-00.	\$0	Tipping Fees	Ongoing to 2022	SWD
3) Implement the requirements of the Solid Waste Handling Permits for the Olalla and Hansville Landfills.	\$0	Landfill Post-Closure Funds	Ongoing	SWD
4) Implement the approved Cleanup Action Plan at the Olalla Landfill; continue monitoring program as a means of demonstrating effectiveness.	\$700,000	Landfill Post-Closure Funds	2017-2022 (Indefinite end date)	SWD
5) Implement the approved Cleanup Action Plan at the Hansville Landfill; continue monitoring program as a means of demonstrating effectiveness.	\$700,000	Landfill Post-Closure Funds	2017-2022 (Indefinite end date)	SWD
6) Review confirmational monitoring at Bainbridge Island Landfill and support de-listing of the site if it is supported by monitoring results.	\$0	Landfill Post-Closure Funds	Ongoing	SWD
TOTAL	\$1,400,000			

Chapter 10-Special Wastes (SPEC)	Projected Additional Cost to Agency	Funding Mechanism	Implementation Schedule	Lead Agency
1) Continue implementation of County Contract KC-479-00, with WMW, which exports the majority of Kitsap County's waste stream via rail to the Columbia Ridge Landfill near Arlington, Oregon.	\$0	Tipping Fees	Ongoing	SWD
2) Continue to provide or identify the availability of diversion and disposal alternatives for special wastes generated in Kitsap County.	\$0	Tipping Fees	Ongoing	SWD
3) Continue support for re-use of non-hazardous soils. Kitsap County, in cooperation with the KPHD, will continue to provide technical assistance to other agencies seeking to re-use non-hazardous soils.	Potential Savings	Tipping Fees	Ongoing	SWD, Cities, KPHD
4) Continue outreach and education efforts promoting the Washington State e-waste program and the new LightRecycle Washington (LRW) program to Kitsap County residents.	\$0	Tipping Fees	Ongoing	SWD
5) Continue to work within the County and other external agencies to develop criteria and procedures for handling asbestos-containing material (ACM) in the municipal solid waste system.	\$0	Tipping Fees	Ongoing	SWD, County DCD
6) Continue to work with KPHD to ensure proper handling of bio-medical waste and that bio-medical waste is not introduced into the waste stream at OVTS.	\$0	Tipping Fees	Ongoing	SWD
7) Continue to work with KPHD to ensure proper management of sharps in accordance with all requirements including Oregon Department of Environmental Quality (ODEQ) regulations for end-point disposal at Columbia Ridge Landfill near Arlington, Oregon.	\$0	Tipping fees	Ongoing	SWD, KPHD
TOTAL	\$0			

Chapter 11-Moderate Risk Waste (MRW)	Projected Additional Cost to Agency	Funding Mechanism	Implementation Schedule	Lead Agency
1) Implement a mobile collection system in North County as the preferred means of providing alternative collection services for Kitsap residents living in the north county. Continue to monitor needs, and supplement with special collection events and/or a fixed facility as needed.	\$200,000	Tipping Fees	Ongoing	SWD
2) Continue to collect compact fluorescent light bulbs (CFLs) at the RAGFs as a long-term service pending ongoing volumes of CFLs remaining consistent.	\$0	Tipping Fees	Ongoing	SWD
3) Actively support the development of product stewardship laws at the state and national level that require manufacturers or retailers to provide collection, recycling and/or safe disposal programs for target products.	Potential Savings	Tipping Fees	Ongoing	SWD
4) Continue to engage with stakeholders by participating in and conducting conferences, presentations, training, and providing technical assistance to residents and businesses.	\$0	Tipping Fees	Ongoing	SWD
5) Maintain the viability of the existing HHW Collection Facility by increasing efficiencies and processing capability, when feasible. This may be in the form of equipment upgrades, layout design changes, facility expansion, or altering hours of operation or materials accepted.	\$75,000	Tipping Fees	Ongoing	SWD
6) Evaluate the continued collection and management of latex paint. Support product stewardship models for paint, but consider other management options, such as solidification and disposal.	Potential Savings	Tipping Fees	Ongoing	SWD
7) Solid Waste Division and KPHD will continue to provide technical assistance to businesses that generate dangerous wastes on reducing the volume and toxicity of wastes and preventing pollution through business pollution prevention programs such as Envirostars, Local Source Control, and SQG technical assistance.	\$0	Tipping Fees, Grants	Ongoing	SWD, KPHD
8) Solid Waste Division and KPHD will continue developing and providing promotion, education and outreach services that support residential and business efforts to reduce the volume and toxicity of waste.	\$0	Tipping Fees	Ongoing	SWD, KPHD

Chapter 11-Moderate Risk Waste (MRW)	Projected Additional Cost to Agency	Funding Mechanism	Implementation Schedule	Lead Agency
9) KPHD will continue to review commercial building permit applications to identify potential waste-related issues and to ensure that industrial wastewater and hazardous wastes are properly managed.	\$0	KPHD Funds	Ongoing	KPHD
10) KPHD will work with public and private entities to develop and maintain a list of businesses in Kitsap County who are Small Quantity Generators (SQGs).	\$0	KPHD Funds	Ongoing	KPHD
11) Ensure that MRW is managed in accordance with the applicable regulations (KCBH Ordinance 2010-01, Solid Waste Regulations)	\$0	Tipping Fees	Ongoing	SWD, KPHD
12) Promote retail and other non-Solid Waste Division collection of high-volume, pervasive wastes that are not appropriate for landfill disposal, such as rechargeable household batteries, through product stewardship programs, laws, and other collection initiatives.	\$0	Tipping Fees	Ongoing	SWD
13) Implement Kitsap Public Health Board Ordinance 2016-02, Secure Medicine Return Regulations to continue to review, develop, and promote criteria for proper management and disposal of pharmaceutical waste.	\$0	KPHD Funds	Ongoing	KPHD
TOTAL	\$275,000			

Chapter 12 - Administration and Organization (ADMIN)	Projected Additional Cost to Agency	Funding Mechanism	Implementation Schedule	Lead Agency
1) Continue to cover the cost of managing solid and hazardous waste using a combination of user fees and grant funds.	\$0	Tipping Fees, Grants	Ongoing	SWD
<p>2) Complete a RAGF and OVTS Rate Study designed to Re-structure rates so that they support solid waste program goals. Rates at County-owned RAGFs should be structured to achieve the following:</p> <ul style="list-style-type: none"> a) Include the cost of “free” recycling in the disposal fees at the RAGFs. b) Set rate structures at RAGF such that it is less costly for customers with small volume loads to sign up for curbside collection than it is to self-haul their garbage. c) Encourage customers to consolidate their materials so that they bring fewer but larger loads. d) Encourage customers with large loads and C&D materials to deliver their materials directly to OVTS. e) Consider the potential impact of rate structures on illegal dumping. f) Consider the needs of low-income residents. g) Are projected for a 5-year period. h) Charge equivalent fees at each of the County-owned RAGFs. i) Generate sufficient revenue to cover the costs of operations, maintenance, and reserve requirements. 	\$0	Tipping Fees	2017	SWD
3) Finalize a disaster debris management plan that addresses issues specific to managing wastes and recyclables following a natural or man-made disaster. Coordinate with the Kitsap County Department of Emergency Management, KPHD, Cities, haulers, and other stakeholders in plan implementation. Ensure that the plan addresses FEMA cost recovery and management requirements.	\$0	Tipping Fees	2017	SWD
TOTAL	\$0			

Chapter 13 - Regulation and Enforcement (REG)	Projected Additional Cost to Agency	Funding Mechanism	Implementation Schedule	Lead Agency
1) Solid Waste Division will continue to work with other agencies to coordinate litter and illegal dumping reduction programs.	\$0	Tipping Fees	Ongoing	SWD
2) Continue to ensure prompt response to litter and illegal dumping complaints through the Clean Kitsap Program or its successor(s).	\$0	Tipping Fees	Ongoing	SWD, KPHD
3) Continue to provide prompt response and enforcement of improper management of solid wastes on private property.	\$0	KPHD Funds	Ongoing	KPHD
4) KPHD will continue to monitor the status of closed and abandoned landfills and review all proposals for development near (within 1,000 feet) or on abandoned landfill parcels.	\$0	KPHD Funds	Ongoing	KPHD
5) Continue the community volunteer-based Adopt-a-Road program, and identify opportunities to grow the program and appeal to new audiences.	\$0	Tipping Fees	Ongoing	SWD
6) Continue to fund crews to cleanup litter and illegal dumpsites from right-of-way and other public properties.	\$0	Tipping Fees, Grants	Ongoing	SWD
7) Continue to produce outreach materials, and provide on-site outreach at disposal facilities to increase awareness of covered load requirements, and continue to charge an uncovered load fee for any loads not in compliance with these regulations.	\$0	Tipping Fees	Ongoing	SWD
8) Continue to promote voluntary programs, which provide assistance and guidance in support of managing solid and hazardous waste in an environmentally sound manner and in compliance with applicable regulations.	\$0	Tipping Fees	Ongoing	SWD
9) Continue funding support for the KPHD Solid and Hazardous Waste Program through solid waste tipping fees at OVTS.	\$0	Tipping Fees	Ongoing	SWD
10) Continue to work with other agencies to evaluate efficient strategies for capturing and recycling junk vehicles, boats, and recreational vehicles.	\$0	Tipping Fees	Ongoing	SWD
11) Ensure that code enforcement and permitted solid waste facilities operate in accordance with applicable regulatory requirements.	\$0	KPHD Funds	Ongoing	KPHD
12) Ensure that solid waste handling is conducted in accordance with applicable regulatory requirements.	\$0	KPHD Funds Tipping Fees	Ongoing	SWD, KPHD
13) Issue permits to covered Solid Waste Handling facilities as required by regulation.	\$0	Permit Fees	Ongoing	KPHD

Chapter 13 - Regulation and Enforcement (REG)	Projected Additional Cost to Agency	Funding Mechanism	Implementation Schedule	Lead Agency
14) Examine the need for, and, if necessary, implement material ban or take-back ordinances to reduce the prevalence of commonly dumped, littered, and problematic items. Examples: plastic shopping bag ban, medical sharps take-back, and pharmaceutical take-back.	\$0	Tipping Fees	2018	SWD, KPHD
15) Continue to partner with the Washington State Department of Transportation to encourage sponsorship of highway median cleanups along State Route 3 and State Route 16. In addition, continue to advocate for additional cleanup efforts along state highways by Washington State Department of Ecology's Youth Corps crews.	\$0	Tipping Fees	Ongoing	SWD
TOTAL	\$0			

APPENDIX B

STATUS OF RECOMMENDATIONS WASTE WISE COMMUNITIES: THE FUTURE OF SOLID AND HAZARDOUS WASTE MANAGEMENT IN KITSAP COUNTY (FEBRUARY)

STATUS OF RECOMMENDATIONS FROM 2011 PLAN

The table below summarizes the implementation status of recommendations from *Waste Wise Communities: the Future of Solid and Hazardous Waste Management in Kitsap County*, February 2011, Appendix A.

Chapter 3-Waste Reduction and Recycling (WRR)	Status
1) Expand the availability of curbside recycling countywide.	Completed - 2010
2) Actively support the development of product stewardship laws at the state and national level that require manufacturers or retailers to provide collection, recycling and/or safe disposal programs for target products.	Ongoing
3) Work with local jurisdictions and agencies to adopt and follow environmentally preferred purchasing programs. These programs will: a) Use the County Waste Wise program as a model, and focus on the procurement of goods and services that cause less harm to humans and the environment than competing goods and services that serve the same purpose and are cost effective. b) Be refined on an ongoing basis, and consider the impacts of goods and services over their life cycle, including raw materials acquisition, production, manufacturing, packaging, distribution, re-use, operation, maintenance or disposal of the product or service.	Ongoing
4) Continue to offer waste prevention programs and strategies that encourage businesses, institutions, and households to reduce the amount of waste they generate. Examples of successful approaches include: a) Using both publicly and privately-operated central depots to collect re-usable materials such as used clothing. b) Sponsoring or promoting re-usable products and waste exchange programs such as 2Good2Toss. c) Cooperating with charities and service organizations to provide assistance and to promote services and community garage sales and events that help to reduce waste. d) Participating in multi-jurisdictional and multi-disciplinary programs that build partnerships with organizations that emphasize waste prevention, resource recovery and re-use. e) Continuing to offer programs and awards that publicly recognize individuals, businesses, and agencies that exercise leadership and accomplishment in waste reduction, recycling, and environmental protection.	Ongoing 2Good2Toss program suspended, due to other more widely-used available forums for material exchange. Ongoing
5) Continue to support efforts to increase the recycling rate and to increase participation in recycling programs in Kitsap County. This may include revising the list of materials accepted in curbside collection programs, expanding the availability of curbside collection, implementing rate incentives, and other techniques.	Ongoing
6) Include the cost of "free" recycling in the disposal fees at the Recycling and Garbage Facilities.	Completed in 2012. To be reevaluated in 2017.
7) Set rate structures at Recycling and Garbage Facilities such that it is less costly for customers with small volume loads to sign up for curbside collection than it is to self-haul their garbage.	Ongoing
8) Continue to work regionally to develop new uses and markets for recycled and diverted materials.	Ongoing

Chapter 3-Waste Reduction and Recycling (WRR) – cont.	Status
9) Cities who are negotiating new or updated solid waste contracts should incorporate language that requires contracted haulers to offer specified levels of recycling services to commercial customers.	Not completed – Cities up for contract negotiation: Poulso – 2017; Bremerton – 2018; Port Orchard – 2020.
<p>10) Refine and reinvigorate the business waste reduction and recycling program as follows:</p> <p>a) Promote product stewardship.</p> <p>b) Support legislation that encourages commercial recycling and environmentally sound design of consumer products.</p> <p>c) Work with new businesses locating in the County to encourage them to incorporate pollution prevention, sustainability practices, and waste minimization into their facility and product design.</p> <p>d) Participate with key organizations and institutions to promote sustainability in product development and manufacture. Assist such organizations and institutions with their research into selected existing and proposed alternative products for their toxicity, recyclability, re-usability, water consumption, energy use, and waste resulting from manufacturing and use.</p> <p>e) Expand participation in multi-disciplinary environmental assistance programs for businesses that offer industry-specific counseling on reducing the volume and toxicity of their waste stream, implementing environmentally-preferred purchasing, and reducing overall environmental impacts.</p>	Ongoing
11) Work with City and County agencies to adopt building and zoning ordinances that incorporate technical review requirements to assure that adequate recycling space and screening enclosures are included in new or remodeled multifamily and commercial projects prior to issuing permits.	Not completed. Continuing to work with Department of Community Development to finalize ordinance.
12) Distribute County-developed education materials to multifamily complexes on an annual basis. Support the adoption of rate-based incentives that encourage participation.	Ongoing with change in scope – Multifamily outreach is targeted to residents and focuses on providing necessary on-site service levels. See recommendation 3-15 in plan update.
13) Evaluate the benefits of charging variable tipping fees to capture loads of recyclable-rich commercial and C&D waste.	Not completed.
14) Include climate change considerations as well as economic impacts when considering the merits of expanding or enhancing curbside garbage and recycling collection in the unincorporated county.	Ongoing
15) Work cooperatively with commercial recycling service providers to develop a methodology for monitoring the diversion of recyclables from the commercial waste stream.	Not completed – not reasonably attainable without compromising confidential information.
16) If statewide waste diversion goals are not reached by 2015, consider disposal bans for materials including, but not limited to, organic materials and C&D if cost effective recycling services and adequate program enforcement efforts are available by that time.	Carried over to plan update.

Chapter 4-Organics (ORG)	Status
1) Continue to promote home composting and natural lawn care as an effective means of reducing exposure to toxics, reducing the volume and toxicity of the waste stream, reducing toxic runoff to surface water, reducing greenhouse gas impacts, and reducing system-wide costs associated with managing organic materials.	Ongoing
<p>2) Expand the existing every-other-week residential curbside yard and vegetative food waste collection program, as follows:</p> <p>a) Expand organic materials collection programs by adding additional compostable papers and foods to the existing collection service. To achieve additional diversion, include meat, fish, and dairy waste in the program.</p> <p>b) Educate Kitsap residents about the greenhouse gas reduction benefits associated with composting and replacing synthetic petroleum-based fertilizers with compost.</p> <p>c) Evaluate methods of increasing participation in curbside organic materials collection services, then implement the selected options.</p> <p>d) Expand the availability of curbside organic materials collection by expanding the service boundary.</p>	<p>Completed - 2010</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing - Small neighborhood level expansions, driven by demand and density in 2014 and 2015.</p>
3) Expand the availability, participation, and diversion rate associated with commercial organic materials collection programs. Cities who are negotiating new or updated solid waste contracts are encouraged to include curbside yard and vegetative waste collection in the cost of residential and commercial curbside garbage collection service.	Commercial: Not completed – currently being driven by private industry/pricing. Residential: Completed – available in all cities on a subscription basis.
4) Work with City and County agencies and stakeholders to adopt building and zoning ordinances that require new construction and commercial projects, especially restaurants and institutional kitchens, to have food waste collection space available prior to issuing permits.	Not completed. Pending commercial collection and processing capability.
5) Work with local food growers, producers, manufacturers, food service providers, institutional kitchens, and retailers to expand diversion of organic materials, including vegetative and animal wastes, into composting and/or energy production.	Ongoing. Cost prohibitive for many businesses.
6) Continue to promote the recycling of land clearing debris via on-site chipping and wood waste processors.	Ongoing
7) Continue to coordinate activities with the KCHD and jurisdictional code enforcement entities to ensure that management of food and yard waste is conducted to minimize nuisances and in accordance with all applicable regulations and performance standards.	Ongoing
8) Support wastewater utility efforts to investigate economically viable options for managing biosolids in Kitsap County.	Ongoing
9) Encourage the local development of alternative technologies that produce energy or minimize greenhouse gas emissions from organic materials and solid wastes.	Ongoing
10) If statewide waste diversion goals are not reached by 2015, consider disposal bans for materials including, but not limited to, organic materials and C&D if cost effective recycling services and adequate program enforcement efforts are available by that time.	Carried over to plan update.

Chapter 5-Construction & Demolition Debris (CD)	Status
<p>1) Increase residential and commercial C&D recycling as follows:</p> <p>a) Support the addition of C&D processing capacity at the Olympic View Transfer Station and/or other in-county locations.</p> <p>b) Develop a rate structure that provides an incentive for customers to source-separate garbage from C&D in order to facilitate processing of mixed C&D and/or segregated C&D materials.</p> <p>c) Work with contractors and industry associations such as the Home Builders Association of Kitsap County on programs that encourage source-separation of C&D materials for recycling.</p> <p>d) Work with City and County agencies to adopt building and zoning ordinances that require a mandatory waste diversion plan for projects over a specified size or value.</p> <p>e) Promote salvage and re-use of C&D materials.</p>	Ongoing
<p>2) Continue to promote and support sustainable building practices and certification programs such as Built Green™ and LEED for new construction and for major remodels.</p>	Ongoing Industry is mainly driving these practices.
<p>3) Encourage the use of environmentally preferable building materials in construction and remodeling.</p>	Ongoing
<p>4) Actively support the development of product stewardship laws at the State and National level that require manufacturers or retailers to provide collection, recycling and/or safe disposal programs for target products.</p>	Ongoing
<p>5) Work with City and County agencies to adopt building and zoning ordinances to identify and remove regulatory barriers to green building, and to encourage increased recycling and the use of recycled products in remodeling, construction, and demolition as a part of the permit process.</p>	Not completed Carried over to plan update.
<p>6) If statewide waste diversion goals are not reached by 2015, consider disposal bans for materials including, but not limited to, organic materials and C&D if cost effective recycling services and adequate program enforcement efforts are available by that time.</p>	Carried over to plan update.

Chapter 6-Promotion, Education, and Outreach (PEO)	Status
1) Participate in forums, workshops, initiatives and programs that effectively further solid waste program goals and objectives.	Ongoing
2) Explore the use of current and emerging information technologies such as small screen videos, internet advertising, interactive educational web games, internet-based focus groups, and webinars to reach targeted audiences and obtain public input so that they can be used in an effective manner. Emerging technologies may be used in conjunction with or in place of mail and printed media depending upon the needs of the project.	Ongoing
3) Continue to use mail and printed media to reach targeted audiences. Mail and printed media may be used in conjunction with or in place of emerging technologies depending upon the needs of the project.	Ongoing
4) Continue to produce outreach materials to increase awareness of covered load requirements, and continue to charge an uncovered load fee for any loads not in compliance with these regulations.	Ongoing
5) Seek out partnerships with other public, private, and non-profit entities as appropriate to reaching certain target audiences and/or delivering specific messages.	Ongoing
6) Continue to provide technical assistance to businesses that generate dangerous wastes on reducing the volume and/or toxicity of waste and pollution prevention, as a collaborative effort of the KCHD Business Pollution Prevention Programs and the SWD Small Quantity Generator Program.	Ongoing
7) Continue to develop and provide promotion, education, and outreach services that support residential and business efforts to reduce the volume and/or toxicity of waste.	Ongoing
8) Continue to offer programs and awards that publicly recognize individuals, businesses, and agencies that exercise leadership and accomplishment in waste reduction, recycling, and environmental protection.	Ongoing
9) Monitor the effectiveness of various promotion, education, and outreach initiatives and techniques using website counters, database logs, surveys, and interpersonal communication.	Ongoing

Chapter 7-Collection (COLL)	Status
<p>1) Reduce greenhouse gas emissions associated with transportation and processing of wastes and recyclables, as follows:</p> <ul style="list-style-type: none"> a) Promote participation in curbside collection programs. b) Work with the Puget Sound Clean Air Agency and WUTC to assist haulers to take measures that increase mileage and reduce emissions materials. c) Support operations and maintenance procedures that reduce fuel use and decrease emissions associated with heavy equipment and rolling stock, through existing public-private partnership contracts. 	<p>Ongoing</p> <p>Completed and ongoing by certificated haulers</p> <p>Ongoing</p>
<p>2) Expand availability of curbside recycling countywide.</p>	<p>Completed - 2010</p>
<p>3) Expand the existing every-other-week residential curbside yard and vegetative food waste collection program, as follows:</p> <ul style="list-style-type: none"> a) Expand organic materials collection programs by adding additional compostable papers and foods to the existing collection service. To achieve additional diversion, include meat, fish, and dairy waste in the program. b) Evaluate methods of increasing participation in curbside organic materials collection services then implement the selected options. c) Expand the availability of curbside organic materials collection by expanding the service boundary. 	<p>Completed -2010</p> <p>Ongoing</p> <p>Ongoing - Small neighborhood level expansions, driven by demand and density in 2014 and 2015.</p>
<p>4) Continue to support efforts to increase the recycling rate and to increase participation in recycling programs in Kitsap County. This may include revising the list of materials accepted in curbside collection programs, expanding the availability of curbside collection, implementing rate incentives, and other techniques.</p>	<p>Ongoing</p>
<p>5) Expand the availability, participation, and diversion rate associated with commercial organic materials collection programs. Cities who are negotiating new or updated solid waste contracts are encouraged to include curbside yard and vegetative waste collection in the cost of residential and commercial curbside garbage collection service.</p>	<p>Commercial: Not completed – currently being driven by private industry/pricing.</p> <p>Residential: Completed – available in all cities on a subscription basis.</p>
<p>6) Consider lobbying to change the existing regulatory system that governs collection if it is found to inhibit the County’s ability to meet solid and hazardous waste management goals.</p>	<p>Ongoing</p>

Chapter 8-Transfer System for Waste & Recyclables (TRAN)	Status
<p>1) Complete a RAGF and OVTS Rate Study designed to re-structure rates so that they support solid waste program goals. Rates at County-owned facilities should be structured to achieve the following:</p> <ul style="list-style-type: none"> a) Include the cost of “free” recycling in the disposal fees at the RAGFs. b) Set rate structures at RAGFs such that it is less costly for customers with small volume loads to sign up for curbside collection than it is to self-haul their garbage. c) Encourage customers to consolidate their materials so that they bring fewer but larger loads. d) Encourage customers with large loads and C&D materials to deliver their materials directly to OVTS. e) Consider the potential impact of rate structures on illegal dumping. f) Consider the needs of low-income residents. g) Remain stable for a 5-year period. h) Charge equivalent fees at each of the County-owned RAGFs. i) Generate sufficient revenue to cover the costs of operations, maintenance, and reserve requirements. 	<p>Completed in 2012. To be reevaluated in 2017.</p>
<p>2) Request that the City of Bainbridge Island implement a rate structure that complements the County’s rate structure, but that considers site-specific costs at the Bainbridge Recycling and Garbage Facility.</p>	<p>Completed</p>
<p>3) Complete a RAGF Service Level Analysis designed to optimize days and hours of service throughout the RAGF system. The RAGF Service Level Analysis will consider environmental impacts, advantages, disadvantages, costs, and other limitations associated with taking one of the following potential courses of action at Olalla RAGF: 1) Maintaining current service levels, 2) Reducing hours or services, or 3) Permanently closing the facility.</p>	<p>Completed in 2012. To be reevaluated in 2017.</p>
<p>4) Evaluate whether the RAGFs are best operated by a private contractor, Solid Waste Division staff, or under the existing scenario, which combines both methods, and proceed accordingly.</p>	<p>Carried over to plan update. To be completed in 2017.</p>
<p>5) Develop a rating system by which to prioritize needed capital improvement projects at the RAGFs. Evaluate needs on an annual basis. Pending completion of the rating system, the following projects have been identified and tentatively scheduled. Costs are planning level estimates only.</p> <ul style="list-style-type: none"> a) Hansville RAGF Improvements b) Poulsbo Recycle Center Improvements c) Silverdale RAGF Improvements 	<p>Capital improvement projects at the RAGFs are evaluated and prioritized as part of the County’s projections and review of the SWD’s annual Capital Facilities Plan.</p>
<p>6) Develop a master plan for future development at OVTS, including:</p> <ul style="list-style-type: none"> a) Design and build solution to the outbound scale bottleneck. b) Design and build C&D processing area. 	<p>Carried over to plan update. To be completed in 2017-2018.</p>

Chapter 9-Disposal (DISP)	Status
1) Continue implementation of Contract KC-479-00, which exports the majority of Kitsap County's waste stream via rail to the Columbia Ridge Landfill near Arlington, Oregon.	Ongoing
2) Continue to foster a positive working relationship and to monitor performance under Contract KC-479-00. Consider exercising the right to terminate the transfer station operations portion of the contract in 2015, so that the option may be exercised in 2016 if it is deemed desirable at that time.	Ongoing In 2016, the County elected to continue Contract KC-479-00 with the existing contractor, Waste Management of Washington, Inc.
3) Implement the requirements of the Solid Waste Handling Permit for the Olalla Landfill.	Ongoing
4) Prepare a RI/FS and Cleanup Action Plan (CAP) for the Olalla Landfill under MTCA, and seek funding under Ecology's Remedial Action Grants and Loan program.	RI/FS and Cleanup Action Plan (CAP) at the Olalla Landfill were completed in 2014.
5) Implement the approved Cleanup Action Plans at the Olalla Landfill; continue monitoring program as a means of demonstrating effectiveness.	Ongoing
6) Finalize and implement the approved Cleanup Action Plan at the Hansville Landfill; continue monitoring program as a means of demonstrating effectiveness.	Cleanup Action Plan at the Hansville Landfill was completed in 2011. Implementation is ongoing.
7) Review confirmational monitoring at Norseland Landfill and the Bainbridge Island Landfill and support de-listing of both sites if it is supported by monitoring results.	Norseland Landfill site was delisted in 2011. Confirmational monitoring at the Bainbridge Island Landfill is ongoing.

Chapter 10-Special Wastes (SPEC)	Status
1) Continue implementation of Contract KC-479-00, which exports the majority of Kitsap County's waste stream via rail to the Columbia Ridge Landfill near Arlington, Oregon.	Ongoing
2) Continue to provide or ensure the availability of diversion and disposal alternatives for special wastes generated in Kitsap County.	Ongoing
3) Continue support for re-use of non-hazardous soils. Kitsap County, in cooperation with the Kitsap County Health District, will continue to provide technical assistance to other agencies seeking to re-use non-hazardous soils.	Ongoing
4) Continue outreach and education efforts promoting the new Washington State e-waste program to Kitsap County residents.	Ongoing

Chapter 11-Moderate Risk Waste (MRW)	Status
1) Implement a mobile collection system in Poulsbo as the preferred means of providing alternative collection services for Kitsap residents living in the north county. Continue to monitor needs, and supplement with special collection events and/or a fixed facility as needed.	Mobile household hazardous waste (HHW) collection events are conducted annually in rotating locations in north county. The need for a fixed HHW facility in north county is continuing to be evaluated.
2) Continue pilot program to collect compact fluorescent light bulbs (CFLs) at the Recycling and Garbage Facilities (RAGFs). Based on the results of the pilot program either revise, close, or expand to a permanent program.	Program has been made permanent.
3) Actively support the development of product stewardship laws at the state and national level that require manufacturers or retailers to provide collection, recycling and/or safe disposal programs for target products.	Ongoing
4) Continue to engage with stakeholders by participating in and conducting conferences, presentations, training, and providing technical assistance to residents and businesses.	Ongoing
5) Maintain the viability of the existing HHW Facility by increasing efficiencies and processing capability. This may be in the form of equipment upgrades, layout design changes, facility expansion, or altering hours of operation or materials accepted.	Ongoing
6) Continue to monitor demand for additional drop-off recycling of used oil. If demand increases, evaluate the potential to increase the number of drop-off locations.	Collection of annual used oil volumes have levelled off. Combined with the need to prevent contamination in tanks, the County does not recommend adding new public drop-off recycling locations in the County.
7) Evaluate the continued collection and management of Latex paint. Support product stewardship models for paint, but consider other management options, such as solidification and disposal.	Latex paint continues to be a high-volume waste at the HHW Facility. This recommendation is carried over to this Plan update.
8) The Solid Waste Division and KCHD will continue to provide technical assistance to businesses that generate dangerous wastes on reducing the volume and toxicity of wastes and preventing pollution through business pollution prevention programs such as Envirostars, Local Source Control, and SQG technical assistance.	Ongoing
9) The Solid Waste Division and KCHD will continue developing and providing promotion, education and outreach services that support residential and business efforts to reduce the volume and toxicity of waste.	Ongoing
10) KCHD will continue to review commercial building permit applications to identify potential waste-related issues and to ensure that industrial wastewater and hazardous wastes are properly managed.	Ongoing
11) KCHD will work with public and private entities to develop and maintain a list of businesses in Kitsap County who are Small Quantity Generators.	Ongoing
12) Ensure that MRW is managed in accordance with the applicable regulations (KCHD Ord 2004-2, SW Regulations)	KCBH updated these regulation in KCBH Ordinance 2010-1. MRW management in compliance with these regulations is ongoing.

Chapter 12-Administration and Organization (ADMIN)	Status
<p>1) Continue to cover the cost of managing solid and hazardous waste using a combination of user fees and grant funds.</p>	<p>Ongoing</p>
<p>2) Complete a RAGF and OVTS Rate Study designed to re-structure rates so that they support solid waste program goals. Rates at County-owned RAGFs should be structured to achieve the following:</p> <ul style="list-style-type: none"> a) Include the cost of “free” recycling in the disposal fees at the Recycling and Garbage Facilities. b) Set rate structures at Recycling and Garbage Facilities such that it is less costly for customers with small volume loads to sign up for curbside collection than it is to self-haul their garbage. c) Encourage customers to consolidate their materials so that they bring fewer but larger loads. d) Encourage customers with large loads and C&D materials to deliver their materials directly to OVTS. e) Consider the potential impact of rate structures on illegal dumping. f) Consider the needs of low-income residents. g) Remain stable for a 5-year period. h) Charge equivalent fees at each of the County-owned RAGFs. i) Generate sufficient revenue to cover the costs of operations, maintenance, and reserve requirements. 	<p>Completed in 2012. To be reevaluated in 2017.</p>
<p>3) Prepare a disaster debris management plan that addresses issues specific to managing wastes and recyclables with input from the Kitsap County Department of Emergency Management, Kitsap County Health District, Cities, haulers, and other stakeholders, Ensure that the plan addresses FEMA cost recovery and management issues.</p>	<p>Preliminary Draft Disaster Debris Management Plan completed, to be finalized by 2018 with contractor assistance.</p>

Chapter 13-Regulation and Enforcement (REG)	Status
1) Pursue laws, regulations, policies and procedures that streamline the implementation of solid waste enforcement and nuisance abatement in Kitsap County, including implementing a hearing examiner process for civil infractions.	Ongoing Hearing examiner implementation suspended.
2) KCHD will revise and update KCBH Ordinance 2004-2, Solid Waste Regulations to include language on maintaining and monitoring closed & abandoned landfills.	Completed - 2010
3) The Solid Waste Division will continue to work with other agencies to coordinate litter and illegal dumping reduction programs.	Ongoing
4) Continue to ensure prompt response to litter and illegal dumping complaints through the Clean Kitsap Program or its successor(s).	Ongoing
5) Continue to provide prompt response and enforcement of improper management of solid wastes on private property.	Ongoing
6) KCHD will continue to monitor the status of closed and abandoned landfills and review all proposals for development near (within 1,000 feet) or on abandoned landfill parcels.	Ongoing
7) Continue the community volunteer-based Adopt-a-Road program.	Ongoing
8) Continue to fund crews to clean up litter and illegal dump sites from road right-of-way and other public properties.	Ongoing
9) Continue to produce outreach materials to increase awareness of covered load requirements, and continue to charge an uncovered load fee for any loads not in compliance with these regulations.	Ongoing
10) Continue to promote voluntary programs, which provide assistance and guidance in support of managing solid and hazardous waste in an environmentally sound manner and in compliance with applicable regulations.	Ongoing
11) Continue funding support for the KCHD Solid and Hazardous Waste Program through solid waste tipping fees at OVTS.	Ongoing
12) Continue to work with other agencies to evaluate efficient strategies for capturing and recycling junk vehicles, boats, and recreational vehicles.	Ongoing
13) Ensure that code enforcement and permitted solid waste facilities are operated in accordance with applicable regulatory requirements.	Ongoing
14) Ensure that solid waste handling is conducted in accordance with applicable regulatory requirements.	Ongoing
15) Issue permits to covered Solid Waste Handling facilities as required by regulation.	Ongoing

APPENDIX C

INTERLOCAL AGREEMENTS AND MEMORANDA OF UNDERSTANDING

INTERLOCAL AGREEMENT KC-184-08
BETWEEN KITSAP COUNTY AND CITIES OF BAINBRIDGE ISLAND,
BREMERTON, PORT ORCHARD, POULSBO /
SUQUAMISH, PORT GAMBLES' KLALLAM, TRIBES
DESIGNATING KITSAP COUNTY AS THE LEAD AGENCY
FOR THE REVISION OF THE
COMPREHENSIVE SOLID WASTE MANAGEMENT PLAN

WHEREAS, RCW 70.95.020 assigns primary responsibility for solid waste planning to local government; and

WHEREAS, RCW 70.105.007(3) assigns responsibility for moderate risk waste planning to local government; and

WHEREAS, RCW 70.95.010 states that solutions to the state's solid waste management problems require regional solutions by local governments as well as intergovernmental cooperation; and

WHEREAS, RCW 70.95.090 requires the comprehensive solid waste management plan to include the estimated long-range planning needs for solid waste handling facilities projected twenty years into the future; and

WHEREAS, RCW 70.95.110 requires all solid waste management plans be maintained in a current condition to be reviewed and revised periodically; and

WHEREAS, RCW 70.95.080 requires counties, in cooperation with the various cities located within such county, to prepare a coordinated, comprehensive solid waste management plan; and

WHEREAS, RCW 70.95.080 also requires each city to (1) prepare and deliver to the county, an independent solid waste management plan for integration into the county plan; or (2) enter into an agreement with the county to participate in the preparation of a joint city-county plan for solid waste management; or (3) authorize the county to prepare a plan for the city's solid waste management for inclusion in the comprehensive county solid waste management plan; and

WHEREAS, RCW 70.105.220 requires each local government to prepare a local hazardous waste management plan which may be amended as the needs arise; and

WHEREAS, local governments may choose to either include a moderate risk waste element of their solid waste plans, or develop moderate risk waste plans separately from their solid waste plans, recognizing that if the local government chooses not to combine the two plans, both plans should be coordinated; and

WHEREAS, Kitsap County has established a Solid Waste Advisory Committee (SWAC) in accordance with RCW 70.95.165 to assist in the development and review of programs and policies concerning solid waste handling and disposal, consisting of representatives of each of

the incorporated cities, Indian tribes, federal facilities, County Commissioner's districts, business, and the solid waste industry; and

WHEREAS, the 1999 Kitsap County Comprehensive Solid Waste Management Plan, as adopted by the Kitsap County, the incorporated cities and Indian tribes within the county and approved by the Washington State Department of Ecology, incorporates both solid waste and moderate risk waste plans; and

WHEREAS, for solid waste and moderate risk waste planning purposes, Kitsap County attributes to a federally-recognized Indian tribe the same status as a city, as referred to in Chapter 70.95 RCW and Chapter 70.105 RCW; and

WHEREAS, it is necessary for grant application purposes to designate the lead solid waste planning agency and for local governments participating in the solid waste management planning process to agree to the planning process;

NOW, THEREFORE, in consideration of the mutual promises and covenants obtained herein, it is hereby agreed:

I. PURPOSE OF AGREEMENT

It is the purpose of this agreement to provide for the updating of the Kitsap County Comprehensive Solid Waste Management Plan as mandated in Chapters 70.95 and 70.105 RCW, for collection, recycling and disposal of solid and moderate risk waste produced or generated within the boundaries of Kitsap County, pursuant to the Department of Ecology Planning Guidelines.

II. AUTHORITY AND RESPONSIBILITIES

- A. Kitsap County shall act as lead agency for review of the 1999 Kitsap County Comprehensive Solid Waste Management Plan, and for preparation of the 2009 revised Comprehensive Solid Waste Management Plan (CSWMP), incorporating both solid waste and moderate risk waste elements.
- B. It is understood that the planning effort will be coordinated through the Solid Waste Advisory Committee (SWAC), and that the Department of Ecology will consider approval of the revised CSWMP only after all local jurisdictions participating in the planning process have adopted the revised CSWMP by resolution.
- C. Responsibilities for implementation of solid waste programs (including moderate risk waste) will be delineated in the adopted CSWMP.
- D. No separate entity is being created by this Agreement.

III. FINANCING AND BUDGET

The County shall maintain a Solid Waste Management Fund as a special fund within the County budget: All revenues and expenses in connection with the Solid Waste Management Program subject to this Agreement shall be budgeted and accounted for through this fund. Receipts deposited in the Solid Waste Management Fund shall be used only for solid waste management purposes unless otherwise required by law, grant,

regulation or separate contract. Funding for the CSWMP update process will be provided solely through the Kitsap County Solid Waste Management Fund. Funding for plan implementation will be as stated within the Plan.

IV. PROPERTY RIGHTS

Title to all property acquired with funds from the Solid Waste Management Fund shall vest in Kitsap County. In the event of sale of any surplus property, such funds shall be deposited in the Solid Waste Management Fund unless otherwise required by law, grant, regulation or contract. However, if the Solid Waste Management Fund does not require the revenue generated by the sale of such property, it shall be disbursed to participating jurisdictions by an agreed upon formula to be worked out at time of sale.

V. DISPUTE RESOLUTION

Any disputes arising under the terms of this agreement shall be resolved through negotiation and consensus; provided that should negotiation and consensus fail to resolve the issue, it shall be submitted to a mediation panel consisting of the SWAC membership for resolution. Final authority to resolve disputes shall rest with the Board of County Commissioners subject to court review by writ of certiorari for arbitrary and capricious action; provided that the writ is filed within thirty (30) days of the BOCC decision.

VI. ADMISSION OF NEW PARTIES

Additional municipal entities may be added to this Agreement upon such terms and conditions as the participating governments and the new party agrees upon in writing.

VII. PLAN ADOPTION

The Kitsap County Comprehensive Solid Waste Management Plan and any subsequent plan updates shall be deemed to have been adopted when the plan(s) have been approved by governing bodies (county commission, city/town councils) representing 75% of the population (as set forth by the Washington State Office of Financial Management) of Kitsap County.

VIII. AMENDMENTS

This document may be amended at any time following the recommendation of the Solid Waste Advisory Committee and approval by governing bodies (county commission, city/town councils) representing 75% of the population (as set forth by the Washington State office of Financial Management) of Kitsap County. The process for adopting an amendment to this agreement shall be the same as that followed for its original adoption.

IX. TERM

Commencing on the date this Agreement is last executed, it shall continue for a term of ten (10) years.

Any party hereto may withdraw and terminate its rights and obligations under this Agreement if it is their intention to establish their own Plan, satisfying all requirements to

do so under the applicable laws of the State of Washington. In such cases, twelve (12) months' notice of intent to withdraw shall be given to all parties hereto.

X. EFFECTIVE DATE

This Agreement shall be effective upon its execution by the Kitsap County Board of Commissioners after executioby all other participating governments.

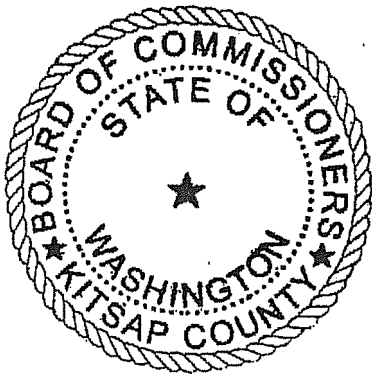
XL FILING

This Agreement shall be filed with the Kitsap County Auditor as required by RCW 39.34.040.

This Agreement shall be effective upon execution by the parties.

Dated this day .) j t L of 1)AAL 2008.

BOARD OF COMMISSIONERS
KITSAP COUNTY, WASHINGTON



Steve Bauer

STEVE BAUER, Chair

Josh Brown

JOSH BROWN, Commissioner

Jan Angel

JAN ANGEL, Commissioner

ATS /vffb

Opfdobertson, Clerk of the Board

INTERLOCAL AGREEMENT KC-184-08

Dated this day 28th of August 2008.

CITY OF BAINBRIDGE ISLAND

Darlene Kordonowy
Darlene Kordonowy, Mayor

ATTEST:

~~*Rosalind Lassoff*~~
Rosalind Lassoff, City Clerk

APPROVED AS TO FORM:

fiJ 1f1"-Y"C
PaulMcM Attorney


INTERLOCAL AGREEMENT KC-184-08

Dated this day Feb of 2008.

CITY OF BRE

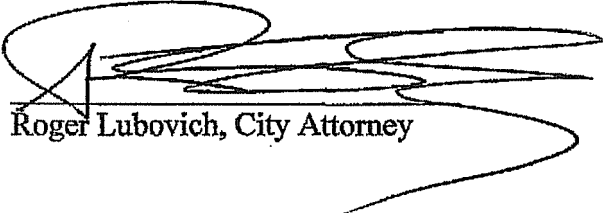
man Mayor

ATTEST:



Carol Etgen, City Clerk

APPROVED AS TO FORM:

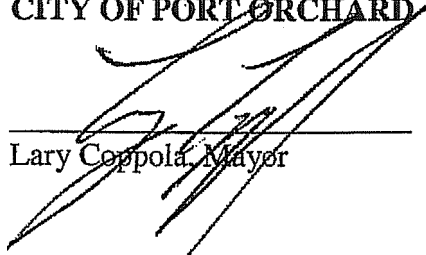


Roger Lubovich, City Attorney

INTERLOCAL AGREEMENT KC-184-08

Dated this day Cflh of SJzrf 2008.

CITY OF PORT ORCHARD



Lary Coppola, Mayor

ATTEST:



Patricia J. Kirkpatrick, City Clerk

APPROVED AS TO FORM:

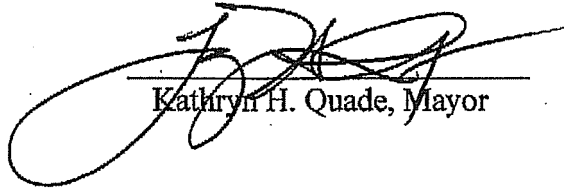


Greg Jacoby, City Attorney

INTERLOCAL AGREEMENT KC-184-08 .

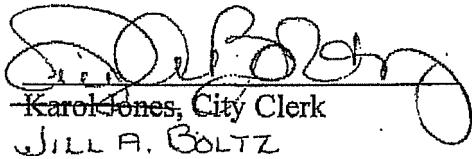
Dated this day 10TH of Aug^U_{ST} 2008.

CITY OF POULSBO



Kathryn H. Quade, Mayor

ATTEST:



~~Karol Jones, City Clerk~~
JILL A. BOLTZ

APPROVED AS TO FORM:

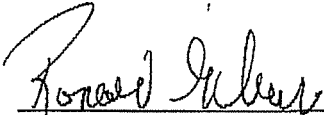


James E. Haney, City Attorney

INTERLOCAL AGREEMENT KCJS 08

Dated this day *r:fl-* of *November* 2008.

PORT GAMBLE S'KLALLAM TRIBE

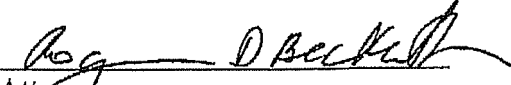


Tribal Council / Tribal Manager
Ronald Charles

ATTEST:

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Lo.vV\ e. ma.H.soYI

APPROVED AS TO FORM:



Attorney
Regina Beckwith



THE SUQUAMISH TRIBE

OFFICE OF THE TRIBAL ATTORNEY

Post Office Box 498
Suquamish, WA 98392-0498
Phone (360) 598-3311
Legal Dept. Fax (360) 598-4293

December 5, 2008

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DEC 09 2008 VøY

KITSAP COUNTY'
SOLID WASTE

Patricia Campbell
Kitsap County Department of Public Works
Solid Waste Division
614 Division Street M.S. 27
Port Orchard, WA 98366

Re: Interlocal Agreement KC-184-08

Dear Ms. Campbell:

The purpose of this letter is to notify you that the Suquamish Tribal Council has declined Kitsap County's request to be a signatory to Interlocal Agreement KC-184-08. This Interlocal Agreement designates Kitsap County as the lead agency for the revision of the comprehensive solid waste management plan and has been executed by other local jurisdictions. Although the Suquamish Tribe ("Tribe") is unwilling to become a signatory to this Interlocal Agreement because of several objectionable terms, the Tribe is interested in engaging in meaningful participation in this process. For these reasons, the Tribe is willing to develop a Memorandum of Understanding ("MOU") between the Tribe and parties to the Interlocal Agreement that provides a mechanism for the Tribe to provide meaningful non-binding participation concerning the revision of the comprehensive solid waste management plan. We are prepared to work with the County and other jurisdictions to reach consensus on the terms of the MOU.

Please contact me at your convenience at (360) 394-8488 if you have questions or need additional clarification.

Sincerely,

Melody Allen
Tribal Attorney

INTERLOCAL AGREEMENT KC-184-08

Dated thiday _____ of _____ --'2008.

. SUQUAMISH TRIBE

Tribal Council / Tribal Manager

ATTEST:

APPROVED AS TO FORM:·

Attorney

MEMORANDUM OF UNDERSTANDING
BETWEEN
THE SUQUAMISH TRIBE AND KITSAP COUNTY

This Memorandum of Understanding (hereinafter referred to as "MOU") is executed between the Suquamish Tribe ("Suquamish Tribe") and Kitsap County local government in reference to Interlocal Agreement KC-184-08. The purpose of this MOU is to provide a government-to-government relationship between Kitsap County and the Suquamish Tribe during the update of the Kitsap County Comprehensive Solid Waste Management Plan as mandated in RCW 70.95 and 70.105.

WHEREAS, the Suquamish Tribe is a federally recognized Indian tribe and is a signatory to the 1855 Treaty of Point Elliott; the Suquamish Tribe is located on the Port Madison Indian Reservation; Kitsap County lies within the Tribe's ceded area and within its adjudicated treaty fishing rights in Puget Sound, including the right to take fish at its usual and accustomed fishing grounds and stations ("U&A"); and the Tribe seeks protection of its treaty rights and treaty resources within Kitsap County; and

WHEREAS, an Interlocal Agreement KC-184-08 ("ILA") was executed on December 23, 2008 between the Kitsap County Board of Commissioners, the cities of Bainbridge Island, Bremerton, Port Orchard, and Poulsbo, and the Port Gamble S'Klallam Tribe (collectively "member governments") to facilitate the update of the Kitsap County Comprehensive Solid Waste Management Plan for collection, recycling, and disposal of solid and moderate risk waste produced or generated within the boundaries of Kitsap County, pursuant to Department of Ecology guidelines; and

WHEREAS, under the ILA, Kitsap County shall act as lead agency for the review of the 1999 Kitsap County Comprehensive Solid Waste Management Plan and for preparation of the 2009 revised Comprehensive Solid Waste Management Plan ("CSWMP"), incorporating both Solid waste and moderate risk waste elements; and

WHEREAS, Kitsap County respects the sovereign status of the Suquamish Tribe and encourage meaningful participation by the Suquamish Tribe through attending meetings and other related forums to communicate and provide input concerning solid waste management within the boundaries of Kitsap County,

NOW, THEREFORE, the parties mutually understand and hereby agree:

I. AUTHORITY AND RESPONSIBILITIES

- A. It is understood that the planning effort will be coordinated through the Solid Waste Advisory Committee ("SWAC").

- B. The Suquamish Tribe will participate in the update process with the member governments by attending meetings and other related forums and by providing oral and/or written comments to the lead agency.

II. SOVEREIGNTY AND DISCLAIMERS

Each of the Parties respects the sovereignty of the other. In executing this MOU, no Party waives any rights, including treaty rights, immunities, or jurisdiction. This MOU does not diminish any rights or protections; rather, it seeks to strengthen a collective ability to successfully resolve issues of mutual concern.

III. DURATION

This MOU shall remain in effect for ten years unless terminated by either Party.

IV. MODIFICATION

The terms of this MOU shall not be altered or modified unless agreed to in writing by all Parties to this MOU and such writing shall be executed with the same formalities as are required for the execution of this MOU.

V. WITHDRAWAL OR TERMINATION OF AGREEMENT

Any Party may withdraw from or terminate this MOU upon thirty (30) days written notice. Written notice shall be made in writing to the member governments. Written notice shall be made to the Chairperson of each Tribe. Notice is effective on the third day following deposit in the U.S. Postal Service, regular mail.

VI. ENTIRE AGREEMENT

This MOU supersedes all prior discussions, representations, and agreements between the Parties relating to the subject matter of this Agreement and constitutes the entire understanding between the parties.

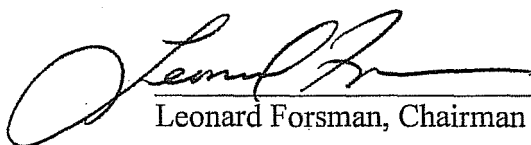
VII. EFFECTIVE DATE

This MOU shall become effective upon authorized signatures by all the Parties as evidenced by the dates affixed below.

IN WITNESS WHEREOF, the MOU has been executed by each party on the date set forth below:

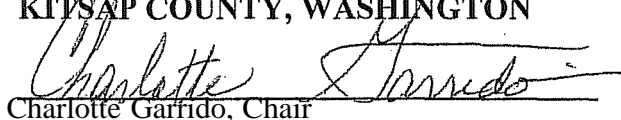
Executed this 17th day of June '2009.

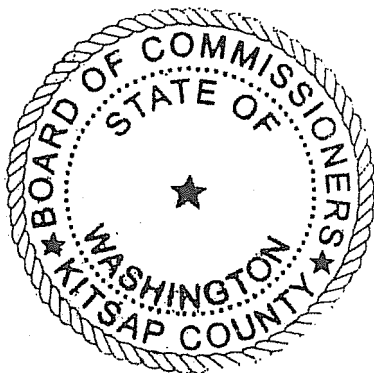
SUQUAMISH TRIBE


Leonard Forsman, Chairman

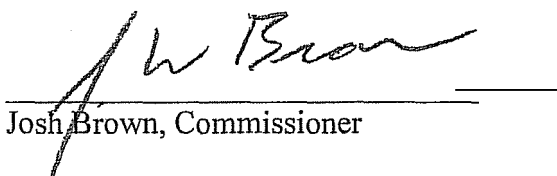
Executed this 1st day of July '2009.

BOARD OF COUNTY COMMISSIONERS
KITSAP COUNTY, WASHINGTON


Charlotte Garrido, Chair




Steve Bauer, Commissioner


Josh Brown, Commissioner

ATTEST:

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Opal Robertson, Clerk of the Board

MEMORANDUM OF UNDERSTANDING
between
COMMANDER, NAVY REGION NORTHWEST
and
KITSAP COUNTY, WASHINGTON

WHEREAS, under Chapter 70.95 RCW, Kitsap County ("the County") is responsible for preparing a coordinated, comprehensive solid waste management plan to address solid waste generation, handling, recovery, recycling and disposal for the county, including both the incorporated and unincorporated areas; and

WHEREAS, the Commander, Navy Region Northwest, hereinafter referred to as ("the Navy") is responsible for the planning for, collection and disposal of solid waste generated within its various facilities under its jurisdiction; and

WHEREAS, the County's solid waste planning necessarily includes consideration of Navy-generated waste and planning input from the Navy; and

WHEREAS, the Navy has participated in the County's planning process by its involvement on the Solid Waste Advisory Board (SWAC) and its input has been valuable to the County in its planning process; and

WHEREAS, Kitsap County is currently updating its Comprehensive Solid Waste Management Plan (CSWMP) required pursuant to chapter 70.90 RCW; and

WHEREAS, the updated CSWMP addresses the need for the County to plan for solid waste programs for a 10 year period and to evaluate the private/public participation **in the program**

WHEREAS, the CSWMP addresses the need for the County, its incorporated cities, and other interested parties to identify an appropriate public/private mix for garbage recycling within the County; and

WHEREAS, the County recognizes the need for more input and coordination with the Navy in addressing these issues; and

WHEREAS, both the Navy and the County appreciate that cooperation between the two entities will facilitate planning for solid waste programs for both entities; and

Therefore, the Navy and the County recognize that cost-efficient programs can be realized through stable, predictable solid waste management systems; and

WHEREAS, both the Navy and the County find that it is the public interest for the two entities to work together in addressing solid waste planning issues and to avoid duplicative processes.

NOW THEREFORE, the parties hereby agree as follows:

1. To the extent its resources allow, the Navy will continue to participate in the County's solid waste planning process, including, but not limited to, participation on the SWAC.

2. Through the solid waste planning process, the parties-agree to review their respective roles regarding solid waste collection, disposal and recycling issues, to determine areas where the County and the Navy may be able to work more closely together in addressing these issues.

3. The points of contact for this agreement are identified and listed on Attachment (A) of this agreement. If and when any points of contact are revised or changed, written notification of those individuals will be forwarded to each party.

4. The parties may enter into more detailed agreements in the future to elaborate on the roles of the parties and partnering efforts if they determine through the planning process that such agreements are appropriate and in the best interest of the Navy and the residents of Kitsap County.

COMMANDER, NAVY REGION NORTHWEST

BOARD OF COUNTY COMMISSIONERS

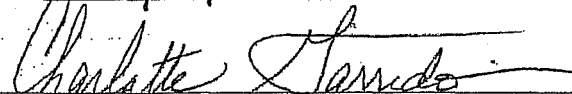
KLINGONE COUNTY, WASHINGTON

Date: 27 APR 09

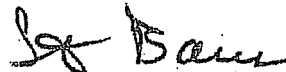
Date: 6/8/09



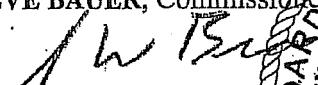
JAMES A. SYMONDS
Rear Admiral, U. S. NAVY



CHARLOTTE GARRIDO, Chair



STEVE BAUER, Commissioner



JOSH BROWN, Commissioner

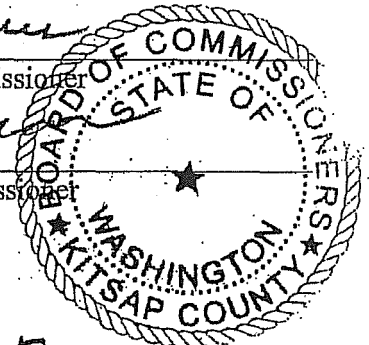


ROBERT SCHLESINGER
Captain, CEC, U. S. NAVY
Director for Facilities and Environmental

ATTEST:



Opal Robertson, Clerk of the Board



ATTACHMENT (A)

NAVY POINTS OF CONTACT:

Mr. JohnP. Lacy
Navy Facilities Engineering Command Northwest
Integrated Solid Waste Program Manger
1101 Tautog Circle, Room 302
Silverdale, WA 98315-1101
(360) 315-5450
iobn.p.lacey@nayy.mil

Mr. Les W. Hastings
Navy Facilities Engineering Command Northwest
Public Works Department
Integrated Solid Waste Operations Manager
1460 Silversides Road
Silverdale, WA 98315-1460
(360) 396-7005
les.hastings@nayy.mil

KITSAP COUNTY POINT OF CONTACT:

Patricia Campbell
Senior Program Manager, Solid Waste
Kitsap County Public Works
614 Division ST MS-27
Port Orchard, WA 98366
(360)-337-4626 phone
(360)-337-5678 fax
pcampbel@co.lidsap.wa.us

APPENDIX D

RESOLUTIONS OF PLAN ADOPTION

APPENDIX E

WASHINGTON STATE DEPARTMENT OF ECOLOGY AND WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION COMMENTS ON PRELIMINARY DRAFT

APPENDIX F

RESPONSIVENESS SUMMARY

APPENDIX G

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION (WUTC) COST ASSESSMENT QUESTIONNAIRE

COST ASSESSMENT QUESTIONNAIRE

Please provide the information requested below:

PLAN PREPARED FOR THE COUNTY OF: Kitsap

PLAN PREPARED FOR THE CITY OF: Not Applicable

PREPARED BY: Keli McKay-Means, Kitsap County Public Works, Solid Waste Division

CONTACT TELEPHONE: 360-337-5665 **DATE:** March 31, 2017

DEFINITIONS

Please provide these definitions as used in the Solid Waste Management Plan and the Cost Assessment Questionnaire.

Throughout this document:

YR.1 shall refer to 2015.

YR.3 shall refer to 2017.

YR.6 shall refer to 2020.

Year refers to (circle one) **calendar** (Jan 01 - Dec 31)

1. **DEMOGRAPHICS:** To assess the generation, recycling and disposal rates of an area, it is necessary to have population data. This information is available from many sources (e.g., the State Data Book, County Business Patterns, or the State Office of Finance and Management).

1.1 Population

1.1.1 What is the **total** population of your County/City?

YR.1: 266,602 YR.3: 272,790 YR.6: 282,071

1.1.2 For counties, what is the population of the area **under your jurisdiction?** (Exclude cities choosing to develop their own solid waste management system.)

YR.1: 266,602 YR.3: 272,790 YR.6: 282,071

1.2 References and Assumptions

Reference: Section 2.4, Table 2-1.

Average population growth rate based on the *Final Kitsap County Comprehensive Plan 2016-2036*, Kitsap County Board of County Commissioners, June 2016.

2. **WASTE STREAM GENERATION:** The following questions ask for total tons recycled and total tons disposed. Total tons disposed are those tons disposed of at a landfill, incinerator, transfer station or any other form of disposal you may be using. If other please identify.

2.1 Tonnage Recycled

2.1.1 Please provide the total tonnage **recycled** in the base year, and projections for years three and six.

YR.1: 113,603 YR.3: 120,478 YR.6: 124,577

2.2 Tonnage Disposed

2.2.1 Please provide the total tonnage **disposed** in the base year, and projections for years three and six.

YR.1: 193,432 YR.3: 207,102 YR.6: 214,148

2.3 References and Assumptions

Reference: Section 2.7.

Year 1 = Actual 2015 MSW disposed and estimated recycling tonnage.

Tonnage Disposed: Year 3 and Year 6 = 4.16 pounds/person/day.

Total Generation: Year 3 and Year 6 = based on 6.58 pounds/person/day.
 37% estimated recycling rate. This does not include non-MSW wastes.

3. SYSTEM COMPONENT COSTS: This section asks questions specifically related to the types of programs currently in use and those recommended to be started. For each component (i.e., waste reduction, landfill, composting, etc.) please describe the anticipated costs of the program(s), the assumptions used in estimating the costs and the funding mechanisms to be used to pay for it. The heart of deriving a rate impact is to know what programs will be passed through to the collection rates, as opposed to being paid for through grants, bonds, taxes and the like.

3.1 Waste Reduction Programs

3.1.1 Please list the solid waste programs which have been implemented and those programs which are proposed. If these programs are defined in the SWM plan please provide the page number. (Attach additional sheets as necessary.)

IMPLEMENTED

PROPOSED

Chapter 3 – Section 3.2.2

Chapter 3 – Section 3.4, and
 Appendix A: WRR-3, WRR-9, WRR-13

Chapter 4 – Sections 4.2.1, 4.2.2, 4.2.3

Chapter 4 – Section 4.4, and
 Appendix A: ORG-5, ORG-9, ORG-11

Chapter 5 – Sections 5.2.3

Chapter 5 – Section 5.4, and
 Appendix A – CD-2, CD-3, CD-6

3.1.2 What are the costs, capital costs and operating costs for waste reduction programs implemented and proposed?

IMPLEMENTED

YR.1: \$0

YR.3: \$0

YR.6: \$0

PROPOSED

YR.1: \$0

YR.3: \$0

YR.6: \$0

3.1.3 Please describe the funding mechanism(s) that will pay the cost of the programs in 3.1.2.

IMPLEMENTED

YR.1: NA

YR.3: NA

YR.6: NA

PROPOSED

YR.1: NA

YR.3: NA

YR.6: NA

Note: Implemented and proposed programs have no associated direct costs. Cost of managing and promoting programs is included in this Cost Assessment Questionnaire, Section 3.6.1 Administration Program.

3.2 Recycling Programs

3.2.1 Please list the proposed or implemented recycling program(s) and, their costs, and proposed funding mechanism or provide the page number in the draft plan on which it is discussed. (Attach additional sheets as necessary.)

IMPLEMENTED:

PROGRAM	COST	FUNDING
Chapter 3: Sections 3.2.3 through 3.2.12	\$0	Tipping Fees and/or Grant Funded
Chapter 4: Sections 4.2.2 through 4.2.3	\$0	Tipping Fees and/or Grant Funded
Chapter 5: Section 5.2.3	\$0	Tipping Fees and/or Grant Funded

PROPOSED:

PROGRAM	COST	FUNDING
Chapter 3 and Appendix A	\$0	Tipping Fees
WRR-1, WRR-2, WRR-4	\$0	& Funded by Subscribers
WRR-6 through WRR-11	\$0	
Chapter 4 and Appendix A	\$0	Tipping Fees
ORG-1, ORG-2, ORG-4	\$0	& Funded by Subscribers
ORG-6, ORG-7		
Chapter 5 and Appendix A	\$0	Tipping Fees
CD-3 through CD-5		

3.3 Solid Waste Collection Programs

3.3.1 Regulated Solid Waste Collection Programs

Fill in the table below for each **WUTC regulated** solid waste collection entity in your jurisdiction. (Make additional copies of this section as necessary to record all such entities in your jurisdiction.)

WUTC Regulated Hauler Name: Waste Management of Washington, Inc./Brem-Air Disposal
G-Permit: #000237, Tariff 20

	<u>YR 1</u>	<u>YR. 3</u>	<u>YR. 6</u>
RESIDENTIAL			
- # of Customers	54,875	56,149	58,059
- Tonnage Collected	42,488	43,474	44,953
COMMERCIAL			
- # of Customers	2,911	2,979	3,080
- Tonnage Collected	34,310	35,106	36,301
TOTALS:			
- # of Customers	57,786	59,127	61,139
- Tonnage Collected	76,798	78,580	81,254

Year 1 (2015) actual data provided by Waste Management/Brem-Air Disposal, February 28, 2017 via email communication with R. Gallagher and J. Pellechia. Year 3 (2017) and Year 6 (2020) projections are based on population growth data in the *Final Kitsap County Comprehensive Plan, 2016-2036*, Kitsap County Board of County Commissioners, June 2016. For purposes of these projections, it is assumed the number of customers and tonnage grows at the same rate as average population growth.

WUTC Regulated Hauler Name: Bainbridge Disposal, Inc.
G-permit: #000143 Tariff 16

	<u>YR 1</u>	<u>YR. 3</u>	<u>YR. 6</u>
RESIDENTIAL			
- # of Customers	6,188	6,332	6,547
- Tonnage Collected	7,157	7,323	7,572
COMMERCIAL			
- # of Customers	445	455	471
- Tonnage Collected	N/A*	N/A	N/A
TOTALS:			
- # of Customers	6,633	6,787	7,018
- Tonnage Collected	7,157	7,323	7,572

*Included in residential tonnage.

Year 1 (2015) actual data provided by Bainbridge Disposal, Inc. March 3, 2017, via email communication with T. Johnson. Year 3 (2017) and Year 6 (2020) projections are based on

population growth data in the *Final Kitsap County Comprehensive Plan, 2016-2036*, Kitsap County Board of County Commissioners, June 2016. For purposes of these projections, it is assumed the number of customers and tonnage grows at the same rate as average population growth.

3.3.2 Other (non-regulated) Solid Waste Collection Programs.

Fill in the table below for other solid waste collection entities in your jurisdiction. (Make additional copies of this section as necessary to record all such entities in your jurisdiction.)

Hauler Name: City of Poulsbo

	<u>YR. 1</u>	<u>YR. 3</u>	<u>YR. 6</u>
RESIDENTIAL			
- # of Customers	3,138	3,211	3,320
- Tonnage Collected	2,162	2,212	2,287
COMMERCIAL			
- # of Customers	329	337	348
- Tonnage Collected	3,531	3,613	3,736
TOTALS:			
- # of Customers	3,467	3,547	3,668
- Tonnage Collected	5,693	5,825	6,023

Year 1 (2015) actual data provided by City of Poulsbo, February 27, 2017, via email communication with S. Wood. Year 3 (2017) and Year 6 (2020) projections are based on population growth data in the *Final Kitsap County Comprehensive Plan, 2016-2036*, Kitsap County Board of County Commissioners, June 2016. For purposes of these projections, it is assumed the number of customers and tonnage grows at the same rate as average population growth.

3.4 Energy Recovery & Incineration (ER&I) Programs

(If you have more than one facility of this type, please copy this section to report them.)

Not applicable. There are no municipal solid waste energy recovery or incineration facilities in the planning area.

3.5 Land Disposal Program

(If you have more than one facility of this type, please copy this section to report them.)

Not applicable. There are no land disposal facilities in the planning area.

3.6 Administration Program

3.6.1 What is the budgeted cost for administering the solid waste and recycling programs and what are the major funding sources?

Budgeted Cost

YR.1: \$1,481,994 YR.3: \$1,644,812 YR.6: \$1,667,678

Funding Source

YR.1: Tipping Fee YR.3: Tipping Fee YR.6: Tipping Fee

Reference: Chapter 12, Table 12-2, Funds 4011 and 4013 expenditures.

3.6.2 Which cost components are included in these estimates?

Overall Solid Waste and Recycling Program Administration (Cost Centers 4011 and 4013), education and outreach program, supplies and services, and indirect cost allocations.

3.6.3 Please describe the funding mechanism(s) that will recover the cost of each component.

Solid Waste Tipping Fees

3.7 Other Programs

For each program in effect or planned which does not readily fall into one of the previously described categories please answer the following questions. (Make additional copies of this section as necessary.)

3.7.1 Describe the program, or provide a page number reference to the plan.

Moderate Risk Waste, Chapter 11

3.7.2 Owner: Kitsap County
Operator: Kitsap County Department of Public Works, Solid Waste Division

3.7.3 Is WUTC Regulation Involved? If so, please explain the extent of involvement in section 3.8.

No

3.7.4 Please estimate the anticipated costs for this program, including capital and operating expenses.

YR.1: \$1,060,751 YR.3: \$1,265,475 YR.6: \$1,225,979

Reference: Chapter 12, Table 12-2, Fund 4014 expenditures.

3.7.5 Please describe the funding mechanism(s) that will recover the cost of this component.

Solid Waste Tipping Fees and Coordinated Prevention Grant (CPG)

3.8 References and Assumptions (attach additional sheets as necessary)

Historical and projected costs are shown in Chapter 12, Table 12-2. Year 1 (2015) are actual figures; Year 3 (2017) is based on the Solid Waste Division 2017 adopted budget; and Year 6 (2020) is estimated and subject to change as the budget has not been adopted at this time.

4. FUNDING MECHANISMS: This section relates specifically to the funding mechanisms currently in use and the ones which will be implemented to incorporate the recommended programs in the draft plan. Because the way a program is funded directly relates to the costs a resident or commercial customer will have to pay, this section is crucial to the cost assessment process. Please fill in each of the following tables as completely as possible.

Table 4.1.1 Facility Inventory

Facility Name	Type of Facility	Tip Fee per Ton ¹	Transfer Cost ²	Transfer Station Location	Final Disposal Location	Total Tons Disposed ³	Total Revenue Generated ⁴
Olympic View Transfer Station (OVTS)	Transfer Station	\$68.00 per ton MSW	Not Applicable	Bremerton	Columbia Ridge Landfill, Oregon	193,432	\$13,473,958
Hansville Recycling & Garbage Facility	Drop Box	\$20.57 per cubic yard	\$659,846	Kingston	Columbia Ridge Landfill, Oregon	3,642	\$653,164
Olalla Recycling & Garbage Facility	Drop Box	\$20.57 per cubic yard	\$278,315	Olalla	Columbia Ridge Landfill, Oregon	1,486	\$285,232
Silverdale Recycling & Garbage Facility	Drop Box	\$20.57 per cubic yard	\$512,301	Silverdale	Columbia Ridge Landfill, Oregon	3,260	\$643,546
Bainbridge Island Transfer Station ⁵	Transfer Station	Not available	Not available	Bainbridge Island	Columbia Ridge Landfill, Oregon	3,547	Not Available

¹Fees charged at the RAGFs are based on volume; minimum fee at OVTS is \$19.00, at RAGFs is \$8.60 (one can), with other fees for non-MSW wastes.

²For RAGFs, includes costs to operate facility and haul MSW and recyclables.

³All waste collected at RAGFs is delivered to Olympic View Transfer Station (OVTS) and is included in OVTS total. All waste delivered to OVTS is delivered to Columbia Ridge Landfill, located near Arlington, Oregon.

⁴Total revenue generated = (tip fee * tons disposed) + disposal fees for non-MSW commodities.

⁵Bainbridge Island Transfer Station is operated by Bainbridge Disposal, Inc., and is not part of the Kitsap County disposal system.

Table 4.1.2 Current Tip Fee Components - 2017

Tip Fee by Facility	Surcharge ¹	City Tax	Taxes (B & O)	Operations, Transportation, and Disposal Cost ²	Administration Cost ³	Closure Costs ⁴
Olympic View Transfer Station (OVTS)	\$3.95	NA	\$1.78	\$50.20	\$15.07	Not applicable

Reference: Chapter 12, Table 12-1.

¹Surcharge = \$2.65/ton for Kitsap Public Health Board (KPHD) Solid Waste Programs, and \$1.30/ton for Clean Kitsap/Illegal Dumping Program.

²Paid to contractor for operations of OVTS, long-haul transportation, and disposal costs.

³Includes Solid Waste Program Administration, Waste Reduction and Recycling, Household Hazardous Waste (HHW) collection and disposal, public education and outreach, and transfer to dedicated reserve funds for capital projects and equipment replacement.

⁴Separate dedicated funds are used for landfill post closure expenses.

Table 4.1.3 Funding Mechanism - 2015

Name of Program Funding Mechanism will defray costs	Bond Name	Total Bond Debt	Bond Rate	Bond Due Date	Grant Name	Grant Amount	Tip Fee	Taxes	Other	Surcharge
Waste Reduction/Recycling							\$541,084			
Moderate Risk Waste					CPG - 24%	\$254,580	\$806,171			
Administration							\$940,910			

Reference: Chapter 12, Table 12-2.

Table 4.1.4 Tip Fee Forecast

Tip Fee per Ton by Facility	Year One 2015	Year Two 2016	Year Three 2017	Year Four 2018 ¹	Year Five 2019	Year Six 2020 ¹
Olympic View Transfer Station (OVTS)	\$68.00	\$68.00	\$71.00	\$75.00	\$75.00	\$79.00

¹The tip fee shown is for mixed municipal solid waste. Fees for Years 1 - 3 have been established by County Resolution. For planning purposes only, the projected fees shown here assume an approximate 5% increase in Year 4 and another 5% increase in Year 6. Actual rates will be determined through a Rate Study to be completed in 2017.

4.2 **Funding Mechanisms** summary by percentage: In the following tables, please summarize the way programs will be funded in the key years. For each component, provide the expected percentage of the total cost met by each funding mechanism (e.g. Waste Reduction may rely on tip fees, grants, and collection rates for funding). You would provide the estimated responsibility in the table as follows: Tip fees=10%; Grants=50%; Collection Rates=40%. The mechanisms must total 100%. If components can be classified as “other,” please note the programs and their appropriate mechanisms. Provide attachments as necessary.

Table 4.2.1 Funding Mechanism by Percentage						
Year One - 2015						
Component	Tip Fee %	Grant %	Bond %	Subscriber Fees %	Other %	Total
Administration	100%					100%
Waste Reduction & Recycling	100%					100%
Moderate Risk Waste	76%	24%				100%
Transfer & Disposal	100%					100%
Collection				100%		100%

Table 4.2.2 Funding Mechanism by Percentage						
Year Three - 2017						
Component	Tip Fee %	Grant %	Bond %	Subscriber Fees %	Other %	Total
Administration	100%					100%
Waste Reduction & Recycling	100%					100%
Moderate Risk Waste	100%					100%
Transfer & Disposal	100%					100%
Collection				100%		100%

*Future Coordinated Prevention Grant (CPG) allocation uncertain.

Table 4.2.3 Funding Mechanism by Percentage						
Year Six – 2020						
Component	Tip Fee %	Grant %	Bond %	Subscriber Fees %	Other %	Total
Administration	100%					100%
Waste Reduction & Recycling	100%					100%
Moderate Risk Waste	100%					100%
Transfer & Disposal	100%					100%
Collection				100%		100%

4.3 References and Assumptions

Please provide any support for the information you have provided. An annual budget or similar document would be helpful.

Reference: Chapter 12, Table 12-2 and Table 12-3.

4.4 Surplus Funds

Please provide information about any surplus or saved funds that may support your operations.

2017 Beginning Fund Balance in Solid Waste Division (Fund 401), Transfer Station Operation (Fund 437), Clean Kitsap (Fund 430), Capital Improvements (Fund 438), and Equipment Reserve (Fund 434) totaled \$9,874,585.

Reference: Chapter 12, Table 12-2.

OLYMPIC VIEW TRANSFER STATION FEES

As of January 1, 2017

Disposal Rates*

Municipal Solid Waste (MSW) General Garbage	\$71.00 <i>per ton</i>
Weight covered by minimum fee—up to 598 lbs.	\$22.00 <i>(tax included)</i>
Contaminated Soils	\$42.26 <i>per ton</i>
Bulky Wastes	\$105.31 <i>per ton</i>
Asbestos	\$159.82 <i>per ton</i>
Coal Ash	\$50.39 <i>per ton</i>
Creosote Treated Lumber	\$50.39 <i>per ton</i>
Dredge Spoils	\$42.26 <i>per ton</i>
Biosolids (delivered loose)	\$68.29 <i>per ton</i>
Biosolids (containerized)	\$60.69 <i>per ton</i>

*Washington State Solid Waste Collection Tax (3.6%) is added to all garbage transactions.

Recycled Waste Rates**

Processed Wood Waste	\$41.91 <i>per ton</i>
Yard Waste	\$67.70 <i>per ton</i>
Appliances	\$16.50 <i>each</i>
Passenger Vehicle Tires	\$5.00 <i>each</i>
Commercial Truck Tires	\$8.00 <i>each</i>
E-Waste (Monitors, CPUs, TVs, Laptops, Portable DVD Players)	No Charge

**Recycled Material; no Solid Waste Collection Tax is applied.

RECYCLING & GARBAGE FACILITY FEES

As of January 1, 2017

Disposal Rates*

Municipal Solid Waste (MSW) General Garbage	\$8.60 <i>for 1st can up to 32 gallons</i>
45 gal. can = 1½ can,	\$2.35 <i>each additional can</i>
64 gal. can = 2 cans,	
96 gal. can = 3 cans	
Municipal Solid Waste (MSW) General Garbage (Loose)	\$20.57 <i>cubic yard</i>
Mattress, Box Spring, or Recliner	\$11.00 <i>each</i>
Sofa	\$13.50 <i>each</i>
Sofa with Bed	\$27.00 <i>each</i>
Roofing or Drywall	\$40.00 <i>cubic yard</i>

*Washington State Solid Waste Collection Tax (3.6%) is added to all garbage transactions.

Recycled Waste Rates**

Appliances	\$20.00 <i>each</i>
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**Recycled Material; no Solid Waste Collection Tax is applied.

APPENDIX H

HAZARDOUS WASTE INVENTORY

HAZARDOUS WASTE INVENTORY

As required by RCW 70.105.220(1)(c), this section summarizes information available concerning the types, quantities, and disposal methods used for Household Hazardous Waste (HHW) and Small Quantity Generator (SQG) hazardous waste. Regulated generators, transporters, hazardous waste management facilities, hazardous waste facility zone designations, and remedial action sites are also described.

MRW Facility Inventory and Adequacy Assessment

Sites that accept Moderate Risk Waste (MRW) are described in Chapter 11. Based on customer data, the distribution of users at the HHW Collection Facility is roughly proportional to the distribution of households throughout the County. This seems to indicate that the location of sites is adequate to meet the needs of the planning area.

The number of users overall has increased significantly since the facilities were initially placed into service. The number of users continues to increase, but the rate of increase has slowed down since 2005. The weight of HHW per customer has experienced a slight downward trend, but overall it remained fairly steady from 1996 – 2015.

Although current levels of service are deemed adequate, Kitsap County is considering possible ways to increase service in the north-end of the County as discussed in Chapter 11. The County evaluates and revises service levels on an ongoing basis.

Dangerous Waste Generators

As of 2015, Washington State Department of Ecology (Ecology) records indicate the presence of 110 dangerous waste generators in Kitsap County. This is a significant decrease from the last Plan update, as inactive generators were not included this time. Of the 110 generators, the breakdown is as follows:

- 51 Small Quantity Generators (SQGs) that have opted to maintain an EPA ID number and report to Ecology. This is not a regulatory requirement. Most SQGs do not maintain an EPA ID number.
- 35 SQGs reported no waste generation for the past year. These are called “XQG” by Ecology.
- 12 Medium Quantity Generators (MQG)
- 12 Large Quantity Generators (LQG)

SQGs and fully-regulated generators are in the manufacturing, services, wholesale and retail trade, and construction groups, as well as military and other government facilities.

Since SQG's are not required to report dangerous waste activities to Ecology, it makes it very difficult to determine their number and track their activity. Technical assistance activities such as the Local Source Control Program currently implemented in the County by the Solid Waste Division and the Kitsap Public Health District help identify and provide assistance to these type of generators.

Remedial Action Sites

There are currently 443 remedial action sites in Kitsap County identified in Ecology's clean-up sites database. These include remedial action sites, leaking underground storage tank sites, and confirmed and suspected sites with potential impacts. Some of the more significant sites with potential impact to the County are listed below:

- Bainbridge Island Landfill
- Bremerton Auto Wrecking-Gorst Creek Landfill
- Bremerton Naval Complex (Puget Sound Naval Shipyard and the Fleet and Industrial Supply Center)
- Chapman Property
- Chevron Tank Farm
- Country Junction Store
- Hansville General Store
- Hansville Landfill
- Jackson Park Elementary School Investigation
- Jackson Park Housing Complex, Naval Hospital Bremerton – United States Navy
- Olalla Landfill
- Olympic View Sanitary Landfill
- Pope & Talbot Inc. Sawmill Inc. (Port Gamble Site)
- Port Orchard Landfill
- Tacoma Smelter Plume – in Kitsap County
- Wyckoff/Eagle Harbor

Further information regarding these sites and others not identified here can be obtained through Ecology's webpage, "Cleanup Sites – Information by County", located at <https://fortress.wa.gov/ecy/gsp/SiteSearchPage.aspx>.

Transporters & Facilities That Treat, Store, Dispose, & Recycle Hazardous Waste

Washington State has five categories of actively operating treatment, storage, disposal and recycling (TSDR) facilities:

1. **Commercial TSDRs** – for-profit waste management businesses that treat, store, dispose or recycle hazardous waste from any generator. There are no commercial TSDRs in Kitsap County.
2. **Private/Captive TSDRs** – private companies that treat, store, dispose or recycle waste generated only within their company. There are no private/captive TSDRs in Kitsap County.
3. **Federal TSDRs** – federal agencies or military that generate and manage hazardous waste. In Kitsap County, the U.S. Navy-Keyport and the U.S. Navy-Bangor operate in-house TSDRs.
4. **Recycling Only** - commercial waste management companies that accept waste for reclaiming or recycling useful products. There are no commercial recycling facilities in Kitsap County.

5. **Used Oil Processors** - private processors that only accept used oil for processing into alternative fuels or other lubricants. There are no used oil processors in Kitsap County.

Zone Designations, RCW 70.105.225(1)(e)

Local governments are required to establish land use zones or geographic areas for siting “designated zone facilities,” such as hazardous waste recycling, storage, and treatment facilities by July 1, 1988. These local zoning requirements must be consistent with the state’s hazardous waste facility siting criteria, and must allow hazardous waste processing or handling where hazardous substances (such as raw materials) are processed or handled.

According to Ecology records, the following jurisdictions within the County have approved land use zones, or have received approval of their request for an exemption from the zoning requirements:

- Kitsap County
- City of Bainbridge Island
- City of Poulsbo

APPENDIX I

STATE ENVIRONMENTAL POLICY ACT (SEPA) DOCUMENTATION OF COMPLIANCE

SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals: [\[help\]](#)

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the [SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS \(part D\)](#). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

A. Background [\[help\]](#)

1. Name of proposed project, if applicable: [\[help\]](#)

Kitsap County Solid and Hazardous Waste Management Plan

2. Name of applicant: [\[help\]](#)

Kitsap County

3. Address and phone number of applicant and contact person: [\[help\]](#)

*Kitsap County Public Works Department
Solid Waste Division
614 Division Street, MS-27
Port Orchard, WA 98366*

*Contact: Keli McKay-Means, Solid Waste Projects & Operations Manager
Kitsap County Public Works, Solid Waste Division
(360) 337-5665, kmckay-means@co.kitsap.wa.us*

Or

*Pat Campbell, Senior Program Manager
Kitsap County Public Works, Solid Waste Division
(360) 337-4626, pcampbell@co.kitsap.wa.us*

4. Date checklist prepared: [\[help\]](#)

March 24, 2017

5. Agency requesting checklist: [\[help\]](#)

Washington State Department of Ecology

6. Proposed timing or schedule (including phasing, if applicable): [\[help\]](#)

This checklist is for a non-project proposal to update Kitsap County's long-range plans for solid and moderate risk waste. A Preliminary Draft of the Solid and Hazardous Waste Management Plan was made available for public review and comment for 30-days, while being concurrently reviewed by the Washington State Department of Ecology. The Plan was also reviewed by the County's Solid Waste Advisory Committee, the Kitsap Public Health District, all city councils within the County, Tribes, and representatives of Naval Base Kitsap. A final version of this Plan is expected to be adopted by December 2017.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. [\[help\]](#)

Kitsap County will be continuing solid and hazardous waste management services throughout the County including additional recycling, waste diversion, and organics management opportunities; enhanced promotional and educational outreach; and further design and improvements to existing solid waste facilities. A separate SEPA checklist will be prepared related to implementation of improvements to existing facilities and submitted as part of the design work.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. [\[help\]](#)

Not applicable.

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. [\[help\]](#)

Not applicable.

10. List any government approvals or permits that will be needed for your proposal, if known.

[\[help\]](#)

State Law (RCW 70.95.094) and guidelines issued by the Washington State Department of Ecology (Guidelines for Development of Local Comprehensive Solid Waste Management Plans and Plan Revisions, February 2010, Publication No. 10-07-005) require cities to adopt this plan or they must develop their own plans, require a public review period (for a minimum of 30 days), require that the plan and a Cost Assessment Questionnaire be reviewed and approved by the Washington Utilities and Transportation Commission (WUTC), and require Ecology to examine and approve both the preliminary draft and final Plan. The Board of County Commissioners must also adopt the final Plan.

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.) [\[help\]](#)

Kitsap County is required by state law to maintain a coordinated, comprehensive solid waste management plan to direct and guide solid waste management throughout the County. Under State law, Revised Code of Washington (RCW) 70.95.110(1), plans are required to be current and revised periodically. At a minimum, every Ecology approved plan must be reviewed every five years. For a solid waste plan to be considered current, all of the requirements under RCW 70.95.090 must be satisfied and the Plan must reflect the current status of the solid waste system.

After review of the existing Plan, adopted in 2011, the County determined that the plan needed to be updated. This proposed plan update addresses changes that have occurred in the past five years and provides a number of recommendations for the future of solid waste management in Kitsap County. Most of these recommendations provide additional direction to existing policies and programs, based on the goals to decrease waste disposed through increased waste reduction, recycling, and composting, as well as reducing environmental impacts related to solid waste generation and management.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist. [\[help\]](#)

The Plan addresses activities and programs related to solid and hazardous waste management that occur through Kitsap County. There are no location-specific proposals at this time.

B. ENVIRONMENTAL ELEMENTS [\[help\]](#)

1. Earth [\[help\]](#)

- a. General description of the site: [\[help\]](#)

Not applicable.

(circle one): Flat, rolling, hilly, steep slopes, mountainous, other _____

- b. What is the steepest slope on the site (approximate percent slope)? [\[help\]](#)

Not applicable.

- c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils. [\[help\]](#)

Not applicable.

- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. [\[help\]](#)

Not applicable.

- e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill. [\[help\]](#)

Not applicable.

- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. [\[help\]](#)

Not applicable.

- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? [\[help\]](#)

Not applicable.

- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: [\[help\]](#)

Not applicable.

2. Air [\[help\]](#)

- a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known. [\[help\]](#)

Not applicable.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. [\[help\]](#)

Not applicable.

c. Proposed measures to reduce or control emissions or other impacts to air, if any: [\[help\]](#)

Not applicable.

3. **Water** [\[help\]](#)

a. Surface Water:

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into. [\[help\]](#)

Not applicable.

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans. [\[help\]](#)

Not applicable.

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material. [\[help\]](#)

Not applicable.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. [\[help\]](#)

Not applicable.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. [\[help\]](#)

Not applicable.

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge. [\[help\]](#)

Not applicable.

b. Ground Water:

- 1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known. [\[help\]](#)

Not applicable.

- 2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve. [\[help\]](#)

Not applicable.

c. Water runoff (including stormwater):

- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe. [\[help\]](#)

Not applicable.

- 2) Could waste materials enter ground or surface waters? If so, generally describe. [\[help\]](#)

Not applicable.

- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. [\[help\]](#)

Not applicable.

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any: [\[help\]](#)

Not applicable.

4. **Plants** [\[help\]](#)

Not applicable.

a. Check the types of vegetation found on the site: [\[help\]](#)

___deciduous tree: alder, maple, aspen, other

___evergreen tree: fir, cedar, pine, other

___shrubs

___grass

___pasture

___crop or grain

___ Orchards, vineyards or other permanent crops.

___ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other

___water plants: water lily, eelgrass, milfoil, other

____ other types of vegetation

- b. What kind and amount of vegetation will be removed or altered? [\[help\]](#)

Not applicable.

- c. List threatened and endangered species known to be on or near the site. [\[help\]](#)

Not applicable.

- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: [\[help\]](#)

Not applicable.

- e. List all noxious weeds and invasive species known to be on or near the site. [\[help\]](#)

Not applicable.

5. Animals [\[help\]](#)

- a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site. [\[help\]](#)

Not applicable.

Examples include:

birds: hawk, heron, eagle, songbirds, other:
mammals: deer, bear, elk, beaver, other:
fish: bass, salmon, trout, herring, shellfish, other _____

- b. List any threatened and endangered species known to be on or near the site. [\[help\]](#)

Not applicable.

- c. Is the site part of a migration route? If so, explain. [\[help\]](#)

Not applicable.

- d. Proposed measures to preserve or enhance wildlife, if any: [\[help\]](#)

Not applicable.

- e. List any invasive animal species known to be on or near the site. [\[help\]](#)

Not applicable.

6. Energy and Natural Resources [\[help\]](#)

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc. [\[help\]](#)

Not applicable.

- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. [\[help\]](#)

Not applicable.

- c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any: [\[help\]](#)

Not applicable.

7. Environmental Health [\[help\]](#)

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe. [\[help\]](#)

Not applicable.

- 1) Describe any known or possible contamination at the site from present or past uses. [\[help\]](#)

Not applicable.

- 2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity. [\[help\]](#)

Not applicable.

- 3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project. [\[help\]](#)

Not applicable.

- 4) Describe special emergency services that might be required. [\[help\]](#)

Not applicable.

- 5) Proposed measures to reduce or control environmental health hazards, if any: [\[help\]](#)

Not applicable.

- b. Noise [\[help\]](#)

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? [\[help\]](#)

Not applicable.

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site. [\[help\]](#)

Not applicable.

3) Proposed measures to reduce or control noise impacts, if any: [\[help\]](#)

Not applicable.

8. Land and Shoreline Use [\[help\]](#)

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe. [\[help\]](#)

Not applicable.

b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use? [\[help\]](#)

Not applicable.

1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how: [\[help\]](#)

Not applicable.

c. Describe any structures on the site. [\[help\]](#)

Not applicable.

d. Will any structures be demolished? If so, what? [\[help\]](#)

Not applicable.

e. What is the current zoning classification of the site? [\[help\]](#)

Not applicable.

f. What is the current comprehensive plan designation of the site? [\[help\]](#)

Not applicable.

- g. If applicable, what is the current shoreline master program designation of the site? [\[help\]](#)

Not applicable.

- h. Has any part of the site been classified as a critical area by the city or county? If so, specify. [\[help\]](#)

Not applicable.

- i. Approximately how many people would reside or work in the completed project? [\[help\]](#)

Not applicable.

- j. Approximately how many people would the completed project displace? [\[help\]](#)

Not applicable.

- k. Proposed measures to avoid or reduce displacement impacts, if any: [\[help\]](#)

Not applicable.

- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: [\[help\]](#)

Not applicable.

- m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any: [\[help\]](#)

Not applicable.

9. Housing [\[help\]](#)

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. [\[help\]](#)

- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. [\[help\]](#)

Not applicable.

- c. Proposed measures to reduce or control housing impacts, if any: [\[help\]](#)

Not applicable.

10. Aesthetics [\[help\]](#)

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed? [\[help\]](#)

Not applicable.

- b. What views in the immediate vicinity would be altered or obstructed? [\[help\]](#)

Not applicable.

- b. Proposed measures to reduce or control aesthetic impacts, if any: [\[help\]](#)

Not applicable.

11. Light and Glare [\[help\]](#)

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? [\[help\]](#)

Not applicable.

- b. Could light or glare from the finished project be a safety hazard or interfere with views? [\[help\]](#)

Not applicable.

- c. What existing off-site sources of light or glare may affect your proposal? [\[help\]](#)

Not applicable.

- d. Proposed measures to reduce or control light and glare impacts, if any: [\[help\]](#)

Not applicable.

12. Recreation [\[help\]](#)

- a. What designated and informal recreational opportunities are in the immediate vicinity? [\[help\]](#)
Not applicable.

Not applicable.

- b. Would the proposed project displace any existing recreational uses? If so, describe. [\[help\]](#)
Not applicable.

Not applicable.

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: [\[help\]](#)

Not applicable.

13. Historic and cultural preservation [\[help\]](#)

- a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers ? If so, specifically describe. [\[help\]](#)

Not applicable.

- b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources. [\[help\]](#)

Not applicable.

- c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc. [\[help\]](#)

Not applicable.

- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required. [\[help\]](#)

Not applicable.

14. Transportation [\[help\]](#)

- a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any. [\[help\]](#)

Not applicable.

- b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop? [\[help\]](#)

Not applicable.

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? [\[help\]](#)

Not applicable.

- d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private). [\[help\]](#)

Not applicable.

- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. [\[help\]](#)

Not applicable.

- f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates? [\[help\]](#)

Not applicable.

- g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe. [\[help\]](#)

Not applicable.

- h. Proposed measures to reduce or control transportation impacts, if any: [\[help\]](#)

Not applicable.

15. Public Services [\[help\]](#)

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe. [\[help\]](#)

Not applicable.

- b. Proposed measures to reduce or control direct impacts on public services, if any. [\[help\]](#)

Not applicable.

16. Utilities [\[help\]](#)

- a. Circle utilities currently available at the site: [\[help\]](#)
electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system,
other _____

Not applicable.

- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed. [\[help\]](#)

Not applicable.

C. Signature [\[help\]](#)

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: _____

Name of signee: Patricia Campbell

Position and Agency/Organization:

Solid Waste Division, Senior Program Manager

Kitsap County Department of Public Works, Solid Waste Division

Date Submitted: _____

D. supplemental sheet for nonproject actions [\[help\]](#)

(IT IS NOT NECESSARY to use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

There are no expected increases in these areas resulting from the Plan.

Several of the Plan's recommendations could potentially result in decreased discharge to water, emissions to air, or the release of toxic substances. The Plan recommends policies to enhance recycling opportunities to the maximum extent possible, and encourage participation in curbside garbage and recyclables collection which would decrease vehicle trips and associated emissions. The Plan also recommends policies to decrease greenhouse gas emissions, such as diverting organic material from landfill disposal. The Plan recommends continuing a household hazardous waste collection program serving north Kitsap County residents providing a local, convenient option that could result in decreased vehicle emissions and decrease illegal dumping of hazardous waste.

Proposed measures to avoid or reduce such increases are:

Not applicable.

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

The Plan's recommendations are not expected to have any direct affect on plants, animals, fish or marine life.

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

Not applicable.

3. How would the proposal be likely to deplete energy or natural resources?

The Plan's recommendations would not deplete energy or natural resources.

Proposed measures to protect or conserve energy and natural resources are:

Not applicable.

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

The Plan's recommendations are not expected to have any direct affect on these areas.

Proposed measures to protect such resources or to avoid or reduce impacts are:

Not applicable.

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

The Plan's recommendations are not expected to have any direct affect on these areas.

Proposed measures to avoid or reduce shoreline and land use impacts are:

Not applicable.

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

The Plan's recommendations are not expected to have any direct affect on these areas.

Proposed measures to reduce or respond to such demand(s) are:

Not applicable.

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

The Plan's recommendations do not conflict with local, state, or federal laws or requirements for the protection of the environment, but rather support implementation of those laws.