AGENDA

CLALLAM COUNTY SOLID WASTE ADVISORY COMMITTEE

Clallam County Courthouse, Room 160
223 East 4th St Port Angeles, WA
August 24, 2022 – 3:00 p.m.

****ATTENTION****

Clallam County Solid Waste Advisory Committee meetings will also be available virtually at:

If you would like to participate in the meeting via Zoom audio only, call 253-215-8782 and use meeting ID: 938 0529 7962 and passcode: 12345

If you would like to participate in the meeting via Zoom video conference, visit https://zoom.us/join and use Meeting ID: 938 0529 7962 and passcode: 12345

This meeting can be viewed on a live stream at this link: http://www.clallam.net/features/meetings.html

Public comment and questions can be directed to County Public Works-Roads at 360-417-2290 or sgray@co.clallam.wa.us

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A. WELCOME/CALL TO ORDER/ROLL CALL

B. REQUEST OF MODIFICATIONS/ADDTIONS TO AGENDA

C. PUBLIC COMMENT – Please limit comments to three minutes

D. APPROVAL OF PREVIOUS MEETING MINUTE(S): July 27, 2022

E. REPORTS AND PRESENTATIONS

F. CONTINUING MATTERS

1. City of Port Angeles Response to June Committee Questions

G. NEW BUSINESS ITEMS

1. City of Port Angeles Capital Facilities Plan (2023-2028) Provisions Related to Solid Waste
2. Review of 2021 Clallam County Solid Waste Management Plan implementation recommendations related to:
    a. Focus of and possible amendment to Tasks 1 and 2 of the current Clallam County Public Works 2021-2023 Local Solid Waste Financial Assistant Grant; and
    b. Initial discussion of potential recommended 2023-2025 LSWFA grant projects.

H. NEXT-MEETING/FUTURE AGENDA ITEMS DISCUSSION – Confirm next meeting date and targeted discussion items.

I. PUBLIC COMMENT – Please limit comments to three minutes

J. ADJOURNMENT

Clallam County Solid Waste Advisory Committee (SWAC)
July 27, 2022 Meeting Minutes

Abbreviations:
City of Port Angeles (CoPA); City of Sequim (CoS), Clallam County: ClaCo; Environmental Health (EH) City of Forks (CoF); Waste Connections (WC) , Ecology (ECY), Jamestown S'Klallam Tribe (JSKT) Solid Waste Management Plan (SWMP)

ROLL CALL:
Members:
Brian Tate, WC alt
Steve Johnson, Business rep (Lazy J)
Christy Cox, Citizen rep
Meggan Uecker, CoS alt
Mark Ozias, ClaCo rep
Steve Gray, ClaCo rep
Charlie McCaughan, CoPA rep

Staff/Interested Parties
Eli Owens, ClaCo EH
Jen Garcelon, ClaCo EH
Thomas Hunter, CoPA PW Director
David Pater, ECY
Mark Gingrich, WC
Eric Booth, WC
Andrea Bradford, CoPA ext. attorney
Bill Bloor, CoPA int. attorney
Jay Donovan, CoPA ext. attorney
Arthur Green, A-M Systems
Dayhawk Kim, A-M Systems
Tom Ehrlichman, A-M Systems attorney
Robert Knapp, JSKT

B. Request of modifications/additions to agenda-none

C. Public Comment – none

D. Motion to approve 6/22/22 minutes made by Steve Johnson, 2nd by Brian Tate. Approved.

E. REPORTS AND PRESENTATIONS

1. ClaCo Dept. of Public Works staff changes related to Committee administrative support and Department Solid Waste Management work.

- Dave Hanna no longer with the Dept. Steve Gray, Transportation Program Manager and 28 year ClaCo planning staff, is being approved by Board of Commissioners to fill role until reorganization or rehire has been completed.

2. New and upcoming SWAC Appointments

- Steve Gray will be ClaCo rep; Mark Ozias alternate. Meggan Uecker is CoS's alternate.

3. Continued Hearing on Olympic Disposal Systems Solid Waste Transfer Facility and Recycling Facility Conditional Use Permit (CUP) in Carlsborg

- Applicant requested second continuation of hearing (originally from 2/3/22 to 7/21/22), to address ClaCo staff report/SEPA concerns, which was approved by the Clallam County Hearing Examiner. The Hearing Examiner decision directs the Applicant and County to confirm the status of the CUP application and when the CUP open record hearing will be scheduled. Full documentation of the Hearing Examiner decision and order was in the packet materials and all documents related to the CUP application are available for viewing on the County's on-line permitting system.

- Tom Ehrlichmann asked who Olympic Disposal was? Mark Gringich confirmed WC was the parent company; Olympic Disposal, Murrey's are local business names for the company.

4. Clallam County Solid Waste Grant Agreement with Ecology and Related Project Tasks
    - Steve G. reviewed the two grant tasks under Clallam County Public Works Dept. Local Solid Waste Financial Assistance (LSWFA) Agreement that ends June 30, 2023.
    - The first task is preparation of an Organics Plan. ClaCo and WSU-Extension are nearing agreement on a contract for WSU-Extension to complete this work.
    - The second grant task is to support possible amendments/revisions to the 2021 SWMP in response to potential changes in the management of the solid waste in Clallam County. Meggan U. commented that completion of this task seem impossible given: the years-long changes currently underway; slow state of progress by entities responsible for those; less than one-year timeline. CoS may advocate for that task in another grant cycle and asks that the County use its LSWFA funds for '21 SWMP implementation such as organics actions like addressing HB 1799. Christy C. asked if this should be addressed to ClaCo Board of County Commissioners (BOCC). Mark O. said go through SWAC process.
    - Tom E. asked if the agreement could be made to the CUP, and Steve G. indicated to see agenda packet—agreement included.
    - David P. agreed timeline short for amendment, usefulness of plan implementation; County should decide soon for an amendment. Steve G. will include 2021 SWMP implementation recommendations for SWAC review and provide update on WSU-Extension Task 1 (Organics Plan) status related to grant budget and tasks.
    - Meggan U. asked if Forks had replied to the ClaCo Task 2 work items since they were also a SWMP signatory. Steve G. will follow-up with the City of Forks.

5. Other Member Reports
    - Christy C. asked Thomas Hunter to report. Thomas H. noted the City's receipt of new compactor and Blue Mountain Transfer Station now open. Christy C. asked if Thomas H. could address the questions that had been compiled by SWAC for the City of Port Angeles in June. Thomas H. indicated he would check to see if he received them, but would respond. Steve G. provided a copy of the questions to Thomas H. Christy C. asked Thomas H. to confirm by when he would respond and to keep SWAC in the loop via Steve G. Thomas H. confirmed he would provide responses that can be distributed to the SWAC by Friday, July 29. Discussion on the questions followed as summarized below:
        - Thomas H. answered hauling, disposal and recycling continued as usual with glass "scheduled to come forward". Meggan U. asked for clarification on to whom (CoPA CC) and when (August). More details will come to SWAC.
        - Tires and Moderate Risk Waste (MRW) status: Thomas H. didn't know, but will report status in response.
        - Thomas H. noted that co-composting is not being "batch composted". Christy C. asked for clarification as to what this meant; it is that yard waste not being ground/accumulating, not composting, and biosolids being land applied in eastern WA.
        - Meggan U. (CoS) asked if there was a risk that composting would stop, which would also be out of sync with the Interlocal Agreement (ILA) between CoS,

CoPA and ClaCo. Thomas H. noted he didn't think so and would continue discussion at the Joint Solid waste Advisory Board (scheduled for August '22)
  - Steve J. asked if CoPA was grinding as lack of capacity sends composters his way (Lazy J) and he is at capacity for increased business beyond current levels as well.
  - Meggan U. asked about status of transfer station, co-composting, MRWF, and landfill permits under review-any major changes? Eli replied still under review by EH and ECY but no surprises expected.

- CoS reported their solid waste study, correlated with the SWMP recommendation to study east side needs & opportunities (based on the fact that the last quarter of the regional solid waste ILA was beginning), is underway and Meggan U. is new contact. Finish by fall.

F. CONTINUING MATTERS

1. SWAC Bylaws Review Sub-Committee
   - Steve G. will convene for review of tribal designation and potentially full bylaws. Meggan U. noted CoS would like to be on sub-committee and notes the tribal designation came after Quileute & Makah reps noted they cannot speak for all tribes. Sub-committee should follow up with Tribes; Robert Knapp from JSKT left call by that point. Mark O. noted other boards were taking similar action (e.g. Board of Health) and he appreciated the effort.

G. NEW BUSINESS ITEMS-none

H. NEXT-MEETING/FUTURE AGENDA ITEMS DISCUSSION

- 8/24/22 confirmed
- Steve G. noted plan implementation actions for LSWFA grant amendment would be reviewed and available for discussion
- Christy C. noted that Hunter would provide answers to questions from SWAC by COB July 29, 2022 and likely discussion of those would be ongoing.
- Meggan U. asked that agenda include CoPA's 23-28 Capital Improvement Plan (CIP) focused on solid waste items as the SWMP has adopted the CoPA CIP as their ongoing Capital Projects & Acquisition Plan, a required component of the SWMP.

I. PUBLIC COMMENT – none

Adjourned by 4:30p

Meeting Packet Materials for Agenda Item F1: *City of Port Angeles Response to June Committee Questions*

Gray, Steve

From: Thomas Hunter <Thunter@cityofpa.us>
Sent: Friday, July 29, 2022 2:20 PM
To: 'christyrcox@live.com'
Cc: Gray, Steve
Subject: FW: SWAC Questions

Good Afternoon,

Thank you for bringing these questions to my attention and alerting me to the fact that they were imbedded inside of a previous agenda (this explains my confusion when I could not locate an email with questions, nor had I seen them). For ease of tracking I have included responses to these questions below. In general, the process of taking over such a large operation does take time and requires significant attention to ensure that the services being offered are being done in a manner that provides excellent service for our community. Quality service, keeping local jobs local, and working together with our stakeholders in this effort remain a priority.

Q: What is the status of the services?

1. Trash hauling/disposal - Fully functioning as it has been since 3/1/22 when the city took over operations.
2. Recycling: mixed cardboard, glass, tires - Fully functioning with the exception of glass recycling.
3. Moderate Risk Waste/Asbestos - Fully functioning.
4. Co-composting - Temporarily paused while evaluating/implementing physical infrastructure needs and compost stream improvements.

Q: What are the tonnage comparisons through May '22 compared to the last few years for the collected materials? - Jan thru May for each of the following years for MSW as follow (in tons):

2019	2020	2021	2022
20,782	20,329	22,254	20,999

Q: What is the status? Who is doing due diligence of glass recycling? How can the public have input? As apart of sustainable and transparent services, the City is preparing an analysis of glass recycling options (many communities in our state have struggled with this), such that an informed decision can be made relative to the ultimate destination of the material, the cost to run the program, and the long term viability of said program. As such, this analysis will go before City Council with opportunity for the public and stakeholders to provide feedback and comment. Below are just two of the many examples of communities in WA State that are also trying to figure out long term solutions to this national issue (as a result of foreign market changes back in 2018). The third link is to the WA State Commerce paper "An examination of Glass Recycling in Washington State" from fall of 2020 that unpacks some of the challenges a little further.

[New recycling rules in Olympia eliminate glass and more from bins | king5.com]

[Walla Walla will spend $52,000 to see if glass recycling is too expensive | Governments | union-bulletin.com]

[Microsoft Word - Recycling Report in Template final edits TV.docx (wa.gov)]

As we are all committed to finding a solution to glass recycling that meets the goals and values of our community, we are very much looking forward to finding resolution in the near future.

Q: How is curbside and drop box recycling being tipped and loaded for transport (e.g. separate baling facility or clearing the tip floor bay?) to minimize contamination and meet contract requirements? - Recycling and MSW are separated on different ends of the transfer station. The floor is cleared of MSW and recycle is loaded into live bottom trailers for transport to the recycling facility.

Q: What is the status of the permits at the facilities and how have major changes like hauler access been resolved? – The City's Regional system requires Operational Plans as a part of the required and associated permits. As County Health stated in the last SWAC meeting, those have been submitted and reviewed by the County and are awaiting approval by Ecology, with no major changes anticipated (And a specific thank you to the County Health Department who has helped us through this process!)

Q: What impacts to customers have been noted? – The City has received unsolicited comments from the NOPBA and others about positive improvements being made at Blue Mountain and the Regional Transfer Station. Wait times for customers have been reduced and customer service has notably improved. Friendly staffing, and more assistance has been noted by customers on a regular basis.

Q: Is yard waste being composted? If not, is stasis or fire a concern? Can compost be made without biosolids under permit? – Due to the temporary pause as stated above and in the SWAC meeting yard waste being collected is not actively being composted. As far as stasis or fire concerns, those fall within normal industry standards and are no greater than the normal compost process. At this time, as dictated by the permit and associated operations plan, compost cannot be made without biosolids.

Q: What is the timeline of biosolids going into the trash instead of being composted? – Sewage sludge was left onsite by the previous contractor/operator and that was generated prior to being classified as Class B biosolids. That material was disposed of as special waste. Current Class B biosolids are not going into the trash stream.

Q: How will decreased recycling (glass, biosolids) and increased trash (same materials, now disposed in trash) affect rates? No affect (see tonnage chart above). Biosolids are not being disposed of in the MSW stream.

Hopefully this information is helpful as I gathered it quickly to meet our self-imposed 2 day turn around!

Thanks again for brining these questions to my attention and have a great sunny weekend!

Thomas A. Hunter
Director of Public Works and Utilities | City of Port Angeles
360.457.0411 | thunter@cityofpa.us
321 East Fifth Street, Port Angeles, WA 98362

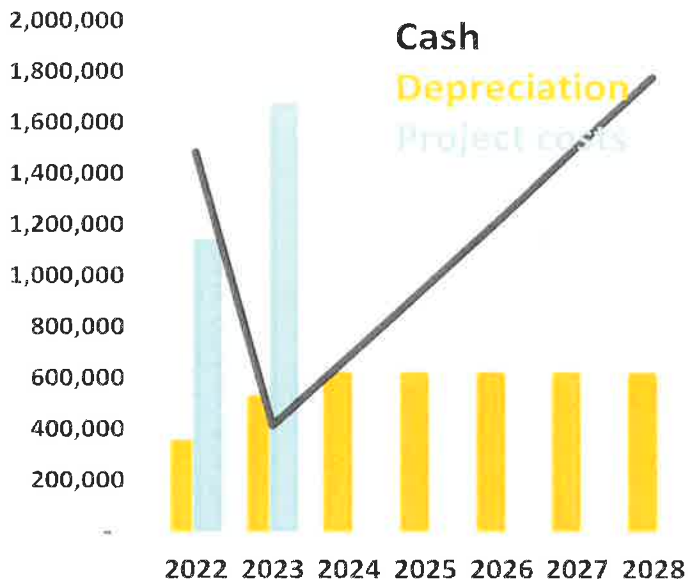
PORT ANGELES
PUBLIC WORKS AND UTILITIES

Meeting Packet Materials for Agenda Item G1: *City of Port Angeles Capital Facilities Plan (2023-2028) Provisions Related to Solid Waste*

SOLID WASTE

SOLID WASTE FUND CAPITAL FACILITY PLAN

CFP YEAR: 2023 - 2028
MANAGER: JONATHAN BOEHME
CONTACT: JBOEHME@CITYOFPA.US
PHONE: 360-417-4803



SOLID WASTE FUND GOALS AND OBJECTIVES:
To maintain and provide capital assets for the Solid Waste fund, including the transfer station, collections and post closure requirements.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2022	CAPITAL FACILITIES PLAN 2023	2024	2025	2026	2027	2028
Solid Waste Reserves	$ 857,900	$ 1,069,200	$ 1,348,000	$ -	$ -	$ -	$ -	$ -
Grants	29,300	62,000	316,100	-	-	-	-	-
Bonds use of excess bonds	80,000	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
TOTAL	**$ 967,200**	**$ 1,131,200**	**$ 1,664,100**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

EXPENDITURES	Prior	2022	2023	2024	2025	2026	2027	2028
Design	89,600	44,400	150,000	-	-	-	-	-
Construction	877,600	1,086,800	1,514,100	-	-	-	-	-
TOTAL	**$ 967,200**	**$ 1,131,200**	**$ 1,664,100**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

OTHER OPERATING COSTS	Prior	2022	2023	2024	2025	2026	2027	2028
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation/ amorization	-	-	173,000	264,500	264,500	264,500	264,500	264,500
Other	-	-	-	-	-	-	-	-
Debt payment	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	**$ -**	**$ -**	**$ 173,000**	**$ 264,500**	**$ 264,500**	**$ 264,500**	**$ 264,500**	**$ 264,500**

Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.

SOLID WASTE PROJECT LIST & CASH FLOW

SOLID WASTE PROJECTS Number	Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2022	CAPITAL FACILITIES PLAN 2023	2024	2025	2026	2027	2028
SW0112	Decant Facility at Transfer Station	A	968,700	89,600	172,000	707,100	-	-	-	-	-
SW0117	Landfill Operating Software	A	200,000	97,600	102,400	-	-	-	-	-	-
SW0421	Transfer Station	A	1,627,800	780,000	847,800	-	-	-	-	-	-
SW0221	Facility Assessment	A	9,000	-	9,000	-	-	-	-	-	-
SW0120	Landfill Pump Station 17 Repair	1	280,000	-	-	280,000	-	-	-	-	-
SW0121	Landfill Access Road Repair	2	577,000	-	-	577,000	-	-	-	-	-
SW0122	Landfill Automated Facility Gate	3	100,000	-	-	100,000	-	-	-	-	-
SW0321	Landfill Access Road Repair - Phase 2	UF	-	-	-	-	-	-	-	-	-
SW0218	Landfill Security Fencing	UF	220,000	-	-	-	-	-	-	-	-
Total			3,982,500	967,200	1,131,200	1,664,100	-	-	-	-	-

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded

CASH FLOW ANALYSIS	2022	2023	2024	2025	2026	2027	2028
Beginning Cash Balance	2,270,260	1,484,260	414,660	683,460	953,460	1,225,960	1,501,960
Landfill Surcharge*	1,407,500	1,407,500	1,407,500	1,407,500	1,407,500	1,407,500	1,407,500
Funding sources:							
Solid Waste Rates	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Grants	62,000	316,100	-	-	-	-	-
Bonds (net used & paid)	(1,194,300)	(1,193,900)	(1,192,800)	(1,194,300)	(1,194,500)	(1,193,800)	(1,197,100.0)
General Fund	-	-	-	-	-	-	-
Donations	-	-	-	-	-	-	-
Interest Income	20,000	14,800	4,100	6,800	9,500	12,300	15,000
Spending:							
Project Cost	(1,131,200)	(1,664,100)	-	-	-	-	-
Ending Cash Balance	1,484,260	414,660	683,460	953,460	1,225,960	1,501,960	1,777,360

Depreciation	344,333	517,354	608,802	608,802	608,802	608,802	607,360
Cash/Depreciation	4.31	0.80	1.12	1.57	2.01	2.47	2.93

PROJECTS COMPLETED IN 2021		Actual	Budget
SW0117	Landfill Scale Software	101,402	200,000
SW0112	Decant Facility at Transfer Station Land	35,140	35,000
TOTAL COMPLETED PROJECTS		136,543	235,000

Completed projects are not included in the ongoing project totals for expenditures or revenues.

DECANT FACILITY AT TRANSFER STATION SW0112

PROJECT STATUS: DESIGN
PRESENT CONDITION: POOR
LATITUDE / LONGITUDE: 48.131198, -123.518793
PROJECT MANAGER: LUCIO BAACK
ESTIMATED LIFE: 25 YEARS

ABOUT THE PROJECT:

Design and construct a decant facility to handle street sweepings, stormwater catch basin debris, wastewater soils, and water soils. This facility helps to prevent pollutants such as suspended sediment, heavy metals, nutrients, and trash from entering Port Angeles Harbor and the Salish Sea. The larger facility footprint will enable the City to process an additional 2,500 cubic yards of decant material per year. Liquids from dewatering would then be discharged into the sanitary sewer for further treatment at the Wastewater Treatment Plant. Solids would be stockpiled and turned as needed for aeration and drying. Funding is available in the form of a grant from Department of Ecology (DOE) in the amount of $474,300 with a city match of 15% from the solid waste reserves in the amount $83,700. An additional $35,000 from solid waste reserves will be allocated for the purchase of property in the 2021 budget. Only the stormwater portions of the facility are grant eligible, in order to fund design & construction of Water, Stormwater and Wastewater portions of the facility, the utilities are contributing ($800,000 WT0419), ($1,000,000 DR0120), & ($800,000 WW0519) respectively.

JUSTIFICATION:

The Transfer Station is a closed landfill cell with a stormwater detention pond and without proper handling the runoff could contaminate local water tables, streams, and the Straits of Juan de Fuca, in violation of our NPDES permit.

FUNDING SOURCES	PRIOR YEARS	Budget 2022	CAPITAL FACILITIES PLAN					
			2023	2024	2025	2026	2027	2028
Reserves Solid Waste Fund	$ 60,300	$ 110,000	$ 391,000					
Grants	29,300	62,000	316,100					
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	$ 89,600	$ 172,000	$ 707,100	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2022	2023	2024	2025	2026	2027	2028
Capital Costs	89,600	172,000	707,100					
TOTAL	$ 89,600	$ 172,000	$ 707,100	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2022	2023	2024	2025	2026	2027	2028
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $968,700 **Estimated Total Design Cost: $125,000**

LANDFILL OPERATING SOFTWARE SW0117

PROJECT STATUS: ACTIVE
PRESENT CONDITION: POOR
LATITUDE / LONGITUDE: 48.125838, -123.51828
PROJECT MANAGER: BRUCE DORCY
ESTIMATED LIFE: 15 YEARS

ABOUT THE PROJECT:

The Unitec billing system at the landfill has reached the end of its lifespan and must be replaced. This replacement will include component and software upgrades, with equipment purchased through an inter local agreement with the City of Seattle.

JUSTIFICATION:

The current system will become obsolete due to the age of the system. Current software is not supported and can no longer receive updates. Unitec no longer provides the software and hardware for the existing system. The IT governance committee has named this project as a top priority for 2020. Without upgrades to the system the transfer station will be unable to charge or bill for services.

FUNDING SOURCES	PRIOR YEARS	Budget 2022	CAPITAL FACILITIES PLAN 2023	2024	2025	2026	2027	2028
Reserves Solid Waste Fund	$ 17,600	$ 102,400						
Grants								
Bonds	80,000							
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	$ 97,600	$ 102,400	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2022	2023	2024	2025	2026	2027	2028
Capital Costs	97,600	102,400						
TOTAL	$ 97,600	$ 102,400	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2022	2023	2024	2025	2026	2027	2028
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $200,000 **Estimated Total Design Cost: $**

PROJECT STATUS: ACTIVE
PRESENT CONDITION: POOR
LATITUDE / LONGITUDE: 48.131198, -123.518793
PROJECT MANAGER: THOMAS HUNTER
ESTIMATED LIFE: 5-15 YEARS

ABOUT THE PROJECT:

On March 1st, 2022 the city transitioned to providing operations of the Regional Transfer Station, Blue Mountain Transfer station, and the curbside collection of yard waste and recycling, including commercial cardboard which necessitated the purchase of this equipment.

JUSTIFICATION:

The equipment needed for the transition of these solid waste services includes 95 gallon and 300-gallon plastic containers, 4 yard and 6 yard steel front load containers for cardboard recycling, and 20 yard, 30 yard, and 50 yard steel roll off containers for mixed recycling and for cardboard.

FUNDING SOURCES	PRIOR YEARS	Budget 2022	CAPITAL FACILITIES PLAN 2023	2024	2025	2026	2027	2028
Reserves Solid Waste Fund	$ 780,000	$ 847,800						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	$ 780,000	$ 847,800	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2022	2023	2024	2025	2026	2027	2028
Capital Costs	780,000	847,800						
TOTAL	$ 780,000	$ 847,800	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2022	2023	2024	2025	2026	2027	2028
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $1,627,800 **Estimated Total Design Cost: $**

PROJECT STATUS: PLANNING
PRESENT CONDITION: FAIR
LATITUDE / LONGITUDE:
PROJECT MANAGER: JONATHAN BOEHME
ESTIMATED LIFE:

ABOUT THE PROJECT:

Perform a topographic survey and utilization review of the Public Works Corp Yard to evaluate upgrade alternatives and optimize the use of the facility. This project represents the Solid Waste utility's contribution to the overall effort. Equal contributions from each utility including Stormwater (DR0121), Wastewater (WW0121), Water (WW0321) and from the Transportation fund (TR0821) in the amount of $9,000 to equal a total amount of $45,000.

JUSTIFICATION:

Public Works must continue delivering essential services to the community in an efficient and timely manner while also meeting all regulatory minimum standards. The Corp Yard is approximately 40 years old and operational needs have evolved since its inception. This comprehensive review effort will provide management with the necessary information to assess current utilization, optimize ongoing logistics and use of the site, and will include a future needs assessment to begin the planning for necessary upgrades to meet the needs of the community.

FUNDING SOURCES	PRIOR YEARS	Budget 2022	CAPITAL FACILITIES PLAN 2023	2024	2025	2026	2027	2028
Reserves Solid Waste Fund		$ 9,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	$ 0	$ 9,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2022	2023	2024	2025	2026	2027	2028
Capital Costs		9,000						
TOTAL	$ 0	$ 9,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2022	2023	2024	2025	2026	2027	2028
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $9,000 **Estimated Total Design Cost: $9,000**

LANDFILL PUMP STATION #17 REPAIR SW0120

PROJECT STATUS: PLANNING
PRESENT CONDITION: FAIR
LATITUDE / LONGITUDE: 48.131246, -123.516390
PROJECT MANAGER: LUCIO BAACK
ESTIMATED LIFE: 30 YEARS +

ABOUT THE PROJECT:

A Consultant will perform pump station and force main inspection/evaluation. Results of the inspection/evaluation will dictate scope of PS17 repair work. Facility upgrade will include a standby emergency generator with an estimated cost of $70,000. Funding will be split between Transfer Station and Post-Closure divisions.

JUSTIFICATION:

Pump Station 17 's pumps are not able to maintain a sufficient flow rate to prevent a sanitary sewer overflow during wet weather. Staff observations indicate potential issues with the force main or pumps. Pump Station 17 was going to be evaluated as part of the Wastewater comprehensive plan. Project may require hiring a consultant for expedited evaluation, design, and/or repair work.

FUNDING SOURCES	PRIOR YEARS	Budget 2022	CAPITAL FACILITIES PLAN					
			2023	2024	2025	2026	2027	2028
Reserves Solid Waste Fund			$ 280,000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	$ 0	$ 0	$ 280,000	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2022	2023	2024	2025	2026	2027	2028
Capital Costs			280,000					
TOTAL	$ 0	$ 0	$ 280,000	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2022	2023	2024	2025	2026	2027	2028
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $280,000 **Estimated Total Design Cost: $60,000**

PROJECT STATUS: PLANNING
PRESENT CONDITION: POOR
LATITUDE / LONGITUDE: 48.131583, -123.519873
PROJECT MANAGER: LUCIO BAACK/JEREMY POZERNICK
ESTIMATED LIFE: 15 YEARS

ABOUT THE PROJECT:

This project will install a pavement overlay from the Port Angeles Landfill access gate to the Transfer Station scales facility. A geotech evaluation of the area impacted by differential settlement may be required. Geotech evaluation results will dictate the method of repair in the area of differential settlement.

JUSTIFICATION:

The 18th Street access road to the Port Angeles Transfer Station was last paved in 2006. This project aims to restore pavement condition, and address a differential settlement issue affecting the road between the recycling facility and the western Stormwater Pond.

FUNDING SOURCES	PRIOR YEARS	Budget 2022	CAPITAL FACILITIES PLAN 2023	2024	2025	2026	2027	2028
Reserves Solid Waste Fund			$ 577,000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	$ 0	$ 0	$ 577,000	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2022	2023	2024	2025	2026	2027	2028
Capital Costs			577,000					
TOTAL	$ 0	$ 0	$ 577,000	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2022	2023	2024	2025	2026	2027	2028
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $577,000 **Estimated Total Design Cost: $ 80,000**

LANDFILL AUTOMATED FACILITY GATE SW0122

PROJECT STATUS: PLANNING
PRESENT CONDITION: POOR
LATITUDE / LONGITUDE: 48.131213, -123.513218
PROJECT MANAGER: LUCIO BAACK
ESTIMATED LIFE: 25 YEARS

ABOUT THE PROJECT:

The project will install an automated gate at the Transfer Station main entrance, with a key card entry system. Ideally the system would report to a software that can be integrated / correlated to the Transfer Station Unitec Scale House records.

JUSTIFICATION:

The existing Landfill/Transfer Station main gate, is a manual swing style barrier gate. No record of who enters the facility is recorded, which presents some issues during early morning hours. There currently is no way of verifying that everyone who enters the facility outside business hours travels over the Transfer Station scales. A automated gate with a key card entry system would create a record that could be checked against the Scale House load tickets.

FUNDING SOURCES	PRIOR YEARS	Budget 2022	CAPITAL FACILITIES PLAN					
			2023	2024	2025	2026	2027	2028
Reserves Solid Waste Fund			$ 100,000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	$ 0	$ 0	$ 100,000	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2022	2023	2024	2025	2026	2027	2028
Capital Costs			100,000					
TOTAL	$ 0	$ 0	$ 100,000	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2022	2023	2024	2025	2026	2027	2028
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $100,000 **Estimated Total Design Cost: $10,000**

SOLID WASTE UNFUNDED CAPITAL PROJECTS

Projects identified as necessary, but that currently do not have a funding source are listed here. Should funding become available these projects will be re-prioritized and moved to an active status. Listing these projects, despite the lack of funding, allows the City to pursue grants and other forms of project revenue. It also allows Council and citizens the opportunity for input on reprioritization of projects.

LANDFILL ACCESS ROAD REPAIR -PHASE 2 SW0321

PROJECT STATUS: UNFUNDED
PRESENT CONDITION: POOR
LATITUDE / LONGITUDE: 48.131583, -123.519873
PROJECT MANAGER: LUCIO BAACK/JEREMY POZERNICK
ESTIMATED LIFE: 15 YEARS
ESTIMATED TOTAL PROJECT COST: UNKNOWN

ABOUT THE PROJECT:

This project aims to restore pavement condition on the southern portion of the Port Angeles Landfill Property. From the Scales building to the Transfer Station / Compost Facility.

JUSTIFICATION:

The 18th Street access road to the Port Angeles Transfer Station was last paved in 2006.

LANDFILL SECURITY FENCING SW0218

PROJECT STATUS: UNFUNDED
PRESENT CONDITION: POOR
LATITUDE / LONGITUDE: 48.127506, -123.518855
PROJECT MANAGER: JONATHAN BOEHME
ESTIMATED LIFE: 20 YEARS
ESTIMATED TOTAL PROJECT COST: $220,000

ABOUT THE PROJECT:

The purpose of the fence is to provide security to the Port Angeles Regional Transfer Station. This project will consist of furnishing and installing a six foot tall chain link fence type three with barbwire arms.

JUSTIFICATION:

To prevent trespass of neighboring property.

Meeting Packet Materials for Agenda Item G2:

Review of 2021 Clallam County Solid Waste Management Plan implementation recommendations related to:

a. Focus of and possible amendment to Tasks 1 and 2 of the current Clallam County Public Works 2021-2023 Local Solid Waste Financial Assistant Grant. **[Excerpts of Grant Contract Attached.]**

b. Initial discussion of potential recommended 2023-2025 LSWFA grant projects.

Agreement No. SWMLSWFA-2021-ClaCPW-00071

SOLID WASTE MANAGEMENT LOCAL SOLID WASTE FINANCIAL ASSISTANCE AGREEMENT

BETWEEN

THE STATE OF WASHINGTON DEPARTMENT OF ECOLOGY

AND

CLALLAM CO PUBLIC WORKS

This is a binding Agreement entered into by and between the state of Washington, Department of Ecology, hereinafter referred to as "ECOLOGY," and CLALLAM CO PUBLIC WORKS, hereinafter referred to as the "RECIPIENT," to carry out with the provided funds activities described herein.

GENERAL INFORMATION

Project Title:	IMP Clallam Co PW
Total Cost:	$84,906.67
Total Eligible Cost:	$84,906.67
Ecology Share:	$63,680.00
Recipient Share:	$21,226.67
The Effective Date of this Agreement is:	07/01/2021
The Expiration Date of this Agreement is no later than:	06/30/2023
Project Type:	Planning & Implementation

<u>Project Short Description:</u>
CCPW will revise or amend the Clallam County Comprehensive Solid and Hazardous Waste Management Plan. CCWP will spend $66,667 to update the CCCSWMP to reflect current conditions. CCPW will contract with WSU Extension for $18,239.67 on an organics study and plan.

<u>Project Long Description:</u>
See the Scope of Work section for more detailed information related to individual Tasks.

<u>Overall Goal:</u>
Provide regional solutions and intergovernmental cooperation; prevent or minimize environmental contamination through planning and project implementation; and comply with state and local solid and hazardous waste management plans and laws.

SCOPE OF WORK

Task Number: 1 **Task Cost:** $18,239.67

Task Title: General Planning

Task Description:
The 2021 Clallam County Solid and Hazardous Waste Management Plan (CCSHWMP) has a goal to decrease organics in the waste stream to below 10% by 2025. In order to reach the goal set in the CCSHWMP, the RECIPIENT will contract with the WSU Clallam County Extension Office to develop a study of current conditions and an Organics Plan for Clallam County.

The CCSHWMP outlines several recommendations in section 8.5 (Recommendations for Organics) for achieving the target reductions, including:
-Work to eliminate illegal dumping and burning of yard waste and consider separate collection of yard waste in the county
-Continue to develop end uses such as mulch, hog fuel, and compost, and other uses that may also be identified
- Investigate economical and efficient options for handling residential, commercial and institutional food waste
Specific actions for Organics, including those for this Task, are listed in Table 11-1 under Chapter 8, Organics.

Activity: Organics Study and Plan:
WSU Clallam County Extension will undertake a study of the current landscape of organics waste in Clallam County, further research the feasibility of the recommendations outlined in the plan, and work with stakeholders to develop a detailed plan of action for organics reduction.

This will include:
-Convene and facilitate a workgroup of the SWAC to guide the work: meetings every other month throughout the grant period
-Assess current organics waste streams in Clallam County
-Research municipal best practices
-Assess the economic and climate mitigation impacts of organics reduction in Clallam County
-Engage key stakeholders on developing organics reduction strategies
-Develop detailed program priorities and associated actions for reaching target
-Present results of the study to key stakeholders including Clallam BOCC, Port Angeles City Council, and Sequim City Council

Costs eligible for reimbursement with supporting documentation include:
-RECIPIENT employee time to implement the task, including outreach/planning/coordination/travel
-Contracted services costs with WSU Clallam County Extension to implement the task
-RECIPIENT employee time to attend trainings and workshops preapproved in writing by Ecology
-Costs not listed here but pre-approved in writing by Ecology

Costs not eligible for reimbursement:
-Overtime compensation (all hours are calculated at the regular rate of pay)
-Costs not specifically identified or pre-approved in writing by Ecology

Task Goal Statement:

Develop a detailed plan of action for organics reduction, including prioritized strategies and recommended steps for implementation for reaching the target reductions set in the CCSHWMP of reducing organics in the waste stream to 10% by weight by 2025. These goals shall be consistent with Chapter 8 of the CCSHWMP (Section 8.5) and Table 11.1.

Task Expected Outcome:

With the task cost the RECIPIENT will develop 1 organics current conditions study

With the task cost the RECIPIENT will develop 1 organics plan

Recipient Task Coordinator: David Hanna

General Planning

Deliverables

Number	Description	Due Date
1.1	Task Expected Outcomes are the deliverables and achieved incrementally throughout the biennium.	

SCOPE OF WORK

Task Number: 2 **Task Cost:** $66,667.00

Task Title: Solid and Hazardous Waste Mgt. Plan Maintenance

Task Description:

In response to anticipated changes in the Clallam County solid waste system; the RECIPIENT shall prepare an amendment/revision to the 2021 Clallam County Solid & Hazardous Waste Management Plan (CCSHWMP). The amendment/revision process shall be consistent with CCSHWMP section 1.7 Process and Schedule for updating the Plan and available Department of Ecology Solid Waste Planning Guidance.

To assist with the CCSHWMP update, the RECIPIENT will convene Clallam County SWAC meetings, attend JSWAB meetings and meetings with persons, groups, and organizations as the parties begin working with and adapting to the revised CCSHWMP. Partners shall include the SWAC, JSWAB, and parties to the CCSHWMP Interlocal Agreement, in addition to other interested persons, parties and organizations. Coordination will be necessary to ensure the Plan's successful inauguration. Information such as minutes of meetings and verbal and written comments from these activities will inform revisions to the CCSHWMP.

Revisions to the CCSHWMP will be made to accommodate changes in the management of solid waste in Clallam County. The extent of these changes will be determined by information gathered during the implementation of the Plan and by activities of local partners as the Plan is more fully implemented. This includes meetings, submittals, reports, approvals, etc., as necessary for the extent of changes made to the CCSHWMP.

Work Plan and Reimbursement Schedule:
O3: Prepare a request for proposal for contract services
Q3-Q4: Gather input from SWAC and other solid waste management organizations and local groups to assist with preparing the first draft amendment/revision to the CCSHWMP
Q5: Review first draft of the CCSHWMP amendment/revision and prepare a preliminary draft for Ecology informal review.
Q6: Finish public and municipal review of the Plan amendment/revision; submit preliminary draft to SWAC and other participating groups for comments, review comments and revisions
Q7: Incorporate comments and revisions, prepare Final Draft of CSWMP, and carry out Municipal Adoption of CCSHWMP Plan amendment/revision
Q8: Submit final draft amendment/revision for Ecology's review and approval

Costs eligible for reimbursement with supporting documentation include:
-Contracted services to assist RECIPIENT with the SHWMP plan amendment or revision
-RECIPIENT employee time to implement the task, including outreach/planning/coordination/travel
-RECIPIENT employee time to attend trainings and workshops preapproved in writing by Ecology
-Costs not listed here but pre-approved in writing by Ecology

Costs not eligible for reimbursement:

-Overtime compensation (all hours are calculated at the regular rate of pay)
-Costs not specifically identified or pre-approved in writing by Ecology

Task Goal Statement:
The overall goal is a revised or amended CCSHWMP that is harmonized with the actual solid waste operations in the County and reflects the future solid waste system.

Task Expected Outcome:
With the task cost a locally adopted CCSHWMP plan amendment or revision

Recipient Task Coordinator: David Hanna

Solid and Hazardous Waste Mgt. Plan Maintenance

Deliverables

Number	Description	Due Date
2.1	Task Expected Outcomes are the deliverables and achieved incrementally throughout the biennium.	

Miscellaneous Solid Wastes (Chapter 9): Chapter 9 of this Plan addresses various specific wastes that merit special attention, including agricultural wastes, animal carcasses, asbestos, biomedical wastes, construction and demolition wastes, marine debris/derelict vessels, and tires. Recommendations are provided for improved management practices for six of these waste streams.

Regulation and Administration (Chapter 10): The Clallam County Public Works Department, the Health and Human Services Department, state and regional agencies, various departments of the three cities and Tribal offices are all involved in various ways in solid waste management. These entities provide specific services and, in some cases, also enforce regulations. This chapter supports the need to take measures to ensure funding for solid waste management programs and recommends continuing a few other activities.

Implementation (Chapter 11): This chapter lists all of the recommendations of this Plan and provides additional details for their implementation, including the lead agencies, schedule and costs.

There are also two attachments to this Plan that provide additional recommendations for programs in Clallam County:

Hazardous Waste Management Plan (Appendix B): The Clallam County Hazardous Waste Management Plan addresses the small quantities of hazardous wastes generated by households and small businesses. These are wastes that are not regulated by federal laws concerning hazardous wastes because they are generated in small quantities, and so otherwise might "fall through the cracks" without the outreach and programs described in this hazardous waste plan.

Contamination Reduction and Outreach Plan (Appendix D): A recent change to State law now requires counties to include this element in their solid waste plans. The Clallam County CROP Plan contains several recommendations for actions that can be taken to measure and reduce the levels of contamination in all types of recycling programs (curbside, commercial, multi-family and drop-off). Some of these recommendations represent significant additional expenses for the parties involved in recycling, but these are important changes that must be made for the long-term success of recycling.

RECOMMENDATIONS AND IMPLEMENTATION DETAILS

Table ES-1 shows the lead agencies, schedule and costs for the recommendations shown in this Plan. In many cases the recommendations are for continuing existing activities and so there is no additional fiscal impacts. Some of the recommendations do represent additional or new costs, and in these cases the funds will need to come from tipping fees or service rates. Grant funds will also be used when available to supplement tipping fees. The recommendations have been abbreviated to fit into Table ES-1, and additional details about the meaning and intent of specific recommendations can be found in the appropriate chapter of the plan.

Table ES-1. Implementation Summary for Recommendations

Recommendation	Lead Agency	Schedule	Cost
Chapter 3, Solid Waste Collection			
WC1) Consider a service level ordinance that requires curbside recycling for garbage collection customers.	County	By 2024	Staff time
WC2) Clallam County should investigate universal collection service.	County	By 2024	Staff time
WC3) All garbage containers should be labeled to list unacceptable materials.	Haulers, PA	By 2023	$80,000
Chapter 4, Waste Transfer			
T1) The Clallam County SWAC, JSWAB, and other governmental agencies should continue to work together to develop plans and programs.	County, PA	Ongoing	Staff time
T2) Consider extending hours and/or adding additional drop boxes if access or capacity become an issue at Blue Mountain.	County, PA	Ongoing	Staff time
T3) Consider siting a drop box facility if illegal disposal or access is an issue.	County, PA	Ongoing	Staff time
T4) Study placing containers at all transfer and drop box sites to collect source-separated yard wastes and additional recyclable materials.	County, PA	Ongoing	Staff time
T5) Obtain funding for a waste characterization study at RTS.	County	Ongoing	$0 (grant)
T6) Consider user fees at transfer and drop box facilities for recyclables.	County, PA	Ongoing	Staff time
T7) Study the need for a new facility on the east end.	JSWAB	2022	$50,000
Chapter 5, Disposal			
LF1) Support remediation activities at the Neah Bay Landfill.	All	Ongoing	Staff time
LF2) Consider proposals and options to develop limited purpose landfills.	County	Ongoing	Staff time
LF3) Explore the possibility of the final closure of the Lake Creek landfill.	County	2022-2024	Staff time
WE1) Beginning in 2023, the process should begin to prepare for a new waste export and disposal contract for RTS.	PA	By 2023	Staff time
WE2) Encourage West Waste to continue waste export and possibly expand.	County	Ongoing	Staff time
WE3) Contracts for waste export services should identify alternative disposal plans and routes.	PA	By 2025	Staff time
WE4) Any regional solid waste landfill used for Clallam County waste must meet or exceed all Minimum Functional Standards requirements.	PA	By 2025	Staff time
WD1) Evaluate future proposals for disposal facilities, anaerobic digestion, incinerators and waste conversion on a case-by-case basis.	County, SWAC	Ongoing	Staff time

Notes: Recommendations have been abbreviated to fit into this table. County = Clallam County (primarily the Public Works Department but depending on the recommendation, possibly including the Health and Human Services Department and contractors such as WSU); Haulers = Waste Connections and West Waste; PA = City of Port Angeles; SWAC = Solid Waste Advisory Committee.
Staff time = existing staff time plus minimal additional expenses.
It should be noted that this table is identical to Table 11-1, see Chapter 11 for more details.

Table ES-1. Implementation Summary for Recommendations, continued

Recommendation	Lead Agency	Schedule	Cost
Chapter 6, Waste Reduction			
WR1) Continue to promote waste reduction activities.	County, WSU	Ongoing	Existing
WR2) Continue to encourage safer substitutes for toxic products.	County, WSU	Ongoing	Existing
WR3) Conduct public education about how to avoid wasting food.	County, WSU	Start 2021	$20,000
WR4) Develop promotional materials for clothing and household goods reuse options.	County	Ongoing	Existing
WR5) Promote reuse of construction materials.	County	2021	$5,000
WR6) Conduct more promotion of on-site composting.	County, WSU	Ongoing	$5,000
WR7) Pursue grants and investments to increase food recovery.	County	Ongoing	Staff time
WR8) Support reuse events organized and implemented by others.	County	Ongoing	Staff time
WR9) Support State legislation on product bans, repair opportunities and similar programs, as appropriate.	County	Ongoing	Staff time
WR10) Investigate the potential for a broader ban on plastic packaging.	County, SWAC	Ongoing	Staff time
Chapter 7, Recycling			
R1) The SWAC recommends adopting a 75% recovery goal by 2025.	County	By 2025	Staff time
R2) Continue public education efforts.	All	Ongoing	Existing
R3) Monitor and consider any proposals for the processing of recyclables.	County	Ongoing	Staff time
R4) Companies and agencies collecting or processing recyclables should be encouraged to file reports to Ecology.	All	Ongoing	Staff time
R5) Explore options of expanding curbside service in the County.	County	Ongoing	Staff time
R6) A SWAC subcommittee will help identify barriers for commercial recycling and develop strategies to increase it countywide.	County, SWAC	By 2022	Staff time
R7) Support product stewardship and market development proposals.	County	Ongoing	Staff time
Chapter 8, Organics			
O1) The goal for organics is to reduce it below 10% by the end of 2025.	County	By 2025	Staff time
O2) Continue collecting and processing at the Compost Facility, and increase the amount processed as allowed by the facility's capacity.	PA	Ongoing	Existing
O3) Work to eliminate illegal dumping and burning of yard waste and consider separate collection of yard waste in the county.	County	Ongoing	Existing
O4) Continue to develop end uses, County and cities should lead by example.	County, cities	Ongoing	Staff time

Notes: Recommendations have been abbreviated to fit into this table. County = Clallam County (primarily the Public Works Department but depending on the recommendation, possibly including the Health and Human Services Department and contractors such as WSU); WSU = Washington State University Extension; SWAC = Solid Waste Advisory Committee; PA = City of Port Angeles; Cities = all three cities. Staff time = existing staff time plus minimal additional expenses.

Table ES-1. Implementation Summary for Recommendations, continued

Recommendation	Lead Agency	Schedule	Cost
Chapter 8, Organics, continued			
O5) Investigate options for food waste.	County	Ongoing	Staff time
O6) Encourage large commercial generators to divert food waste.	County	Ongoing	Staff time
O7) Continue public education for yard waste and food wastes.	All	Ongoing	Existing
O8) Continue working with WSU Extension for outreach programs.	County	Ongoing	Existing
O9) Explore additional recovery of wood waste.	County	By 2022	Staff time
O10) Consider proposals for alternative methods for wood waste.	County	Ongoing	Staff time
Chapter 9, Miscellaneous Solid Wastes			
MW1) Clallam Conservation District and NRCS should continue to work with producers on Best Management Practices for agricultural waste.	CCCD, NRCS	Ongoing	Existing
MW2) Proposals for processing agricultural wastes should be encouraged.	County	Ongoing	Staff time
MW3) Monitor aquaculture industries for waste management issues.	County	Ongoing	Staff time
MW4) Continue communications with the Humane Society, veterinarians and those disposing of animal carcasses.	County	Ongoing	Staff time
MW5) Review the solid waste system's role in emergency animal disposal.	County	By 2022	Staff time
MW6) Examine possibility of providing game meat to food banks.	County	By 2023	Staff time
MW7) Monitor disposal of biomedical wastes by small waste generators.	Health	Ongoing	Staff time
MW8) Support product stewardship legislation for sharps.	County	Ongoing	Staff time
MW9) Provide more promotion and funding for Syringe Exchange Program.	Health	By 2022	$5,000
MW10) Promote existing opportunities for recycling of construction and demolition wastes.	County	Ongoing	Staff time
MW11) Explore regional solutions for specific construction and demolition materials.	County	By 2023	Staff time
MW12) Continue outreach and education on marine debris.	County, others	Ongoing	Existing
MW13) Continue to apply for Ecology funding for the proper management of tires.	County	Ongoing	Existing
Chapter 10, Regulation and Administration			
R&A1) Clallam County, Port Angeles and Sequim must continue to meet their respective commitments as specified in the ILA.	County, PA, Sequim	Ongoing	Existing
R&A2) Clallam County will investigate adopting a flow control ordinance.	County	By 2024	Staff time

Notes: Recommendations have been abbreviated to fit into this table. County = Clallam County (primarily the Public Works Department but depending on the recommendation, possibly including the Health and Human Services Department and contractors such as WSU); CCCD = Clallam County Conservation District; NRCS = Natural Resources Conservation Service; Health = Clallam County Health and Human Services; PA = City of Port Angeles.
Staff time = existing staff time plus minimal additional expenses.

Table ES-1. Implementation Summary for Recommendations, continued

Recommendation	Lead Agency	Schedule	Cost
Chapter 10, Regulation and Administration, continued			
R&A3) ILA signatories will prioritize essential services.	County, PA, Sequim	Ongoing	Existing
R&A4) The signatories to the ILA for the regional system will investigate creating a solid waste disposal district.	County, PA, Sequim	By 2024	Staff time
R&A5) Appropriate measures will be taken by the signatories to the ILA for the regional system to ensure (sufficient funding.	County, PA, Sequim	Ongoing	Existing
R&A6) Clallam County will take appropriate measures to ensure sufficient funding needed to continue education and outreach.	County	Ongoing	Existing
R&A7) The County will continue to seek grants for prevention, diversion and illegal dumping.	County	Ongoing	Existing
R&A8) The County should recruit participants for state-funded abandoned RV program.	County	Begin 2021	Existing
Appendix B, Clallam County Hazardous Waste Management Plan	See Appendix B for the implementation plan for the Hazardous Waste Management Plan.		
Appendix D, Contamination Reduction and Outreach Plan	See Appendix D for the implementation plan for the CROP Plan.		

Notes: Recommendations have been abbreviated to fit into this table. County = Clallam County (primarily the Public Works Department but depending on the recommendation, possibly including the Health and Human Services Department and contractors such as WSU); PA = City of Port Angeles.
Staff time = existing staff time plus minimal additional expenses.