



King County

Department of
Natural Resources and Parks
Solid Waste Division

Waste
Prevention

Resource
Recovery

Waste
Disposal

October 8, 2021

Metropolitan Solid Waste Advisory Committee Meeting

1. Call to Order and Introductions

Chair Sweet



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2. Review Agenda

Chair Sweet



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3. Review/Approve September Minutes

Chair Sweet



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4. Public Comment



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5. Updates: SWD, SWAC, Other

Pat McLaughlin, Chair Sweet, Deputy Mayor Kassover



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6. Re+ Plan Update

Patty Liu, Adrian Tan, & Andy Smith



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EPR for packaging & paper products



What is it?

- **Extended Producer Responsibility (EPR) for packaging & paper products** will require corporations to pay for the costs of residential recycling in WA.
- It will:
 - provide sustainable financing to recycling;
 - create a uniform collection system across the state, reducing confusion;
 - save local governments and residents money;
 - provide more equitable access to recycling services to residents across the state;
 - increase reuse and recycling rates; and,
 - ensure that materials are recycled responsibly.

EPR for batteries



What is it?

- **Extended Producer Responsibility (EPR) for batteries** will require battery producers to fund and organize the collection and reuse and recycling of batteries in WA.



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Right to Repair

What is it?



- **Right to Repair requires manufacturers of digital electronic products** (i.e., those with a screen) to provide owners and independent repair businesses with access to parts, tools and specifications.

Organics stakeholder process

What is it and how to get involved?

- Workgroup meeting bi-monthly until end of year – Updates posted to [website](#)
- *Recent topics:* food rescue, feedstock sources, GHG emissions
- *Upcoming topics:* end markets, permitting
- Feedback from group will lead into draft policy

How to participate:

- Join public meetings and offer insights from your jurisdictions
- Join a sub-committee:
 - Food policy meets every week
 - Others to be set up soon

Re+ will speak to different audiences

Are these the main ones?



Re+ Plan

General audience



Briefing pack

Decision makers



Community Panel

Summary of input

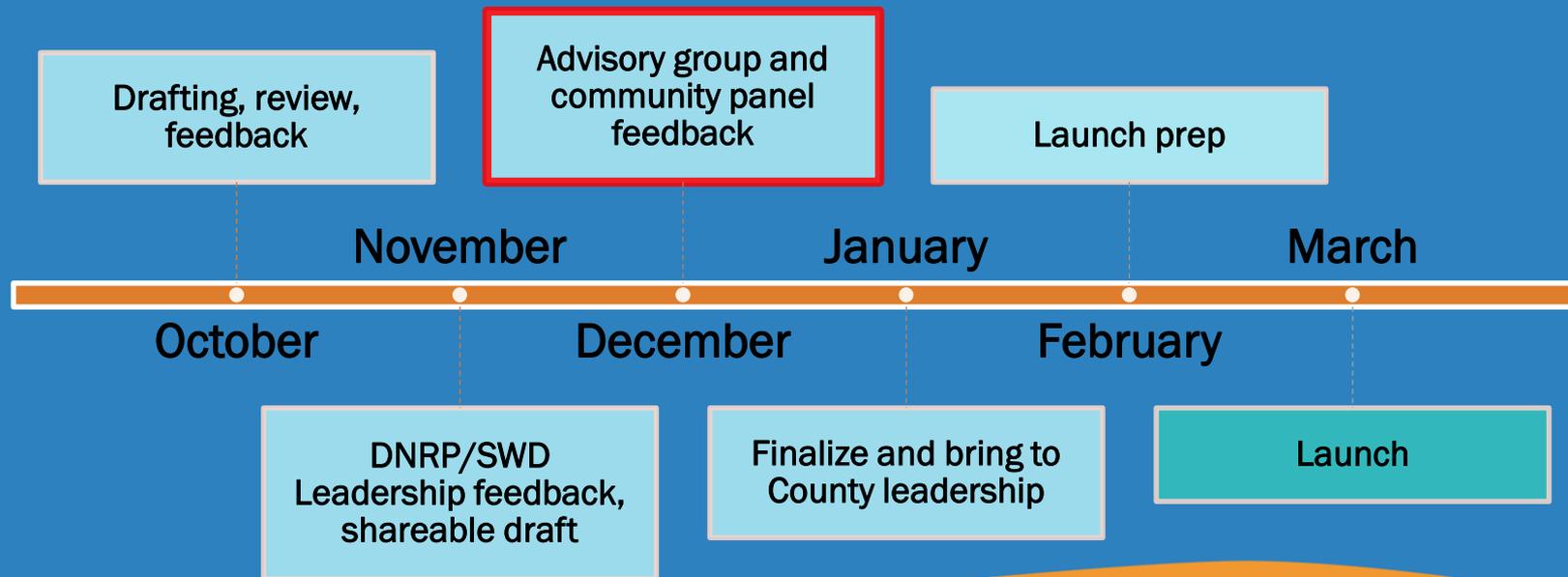


Task Force Actions

Actions framework

The plan is being written over 4 months

Your feedback needed



7. Comprehensive Solid Waste Management

Plan Update

John Walsh



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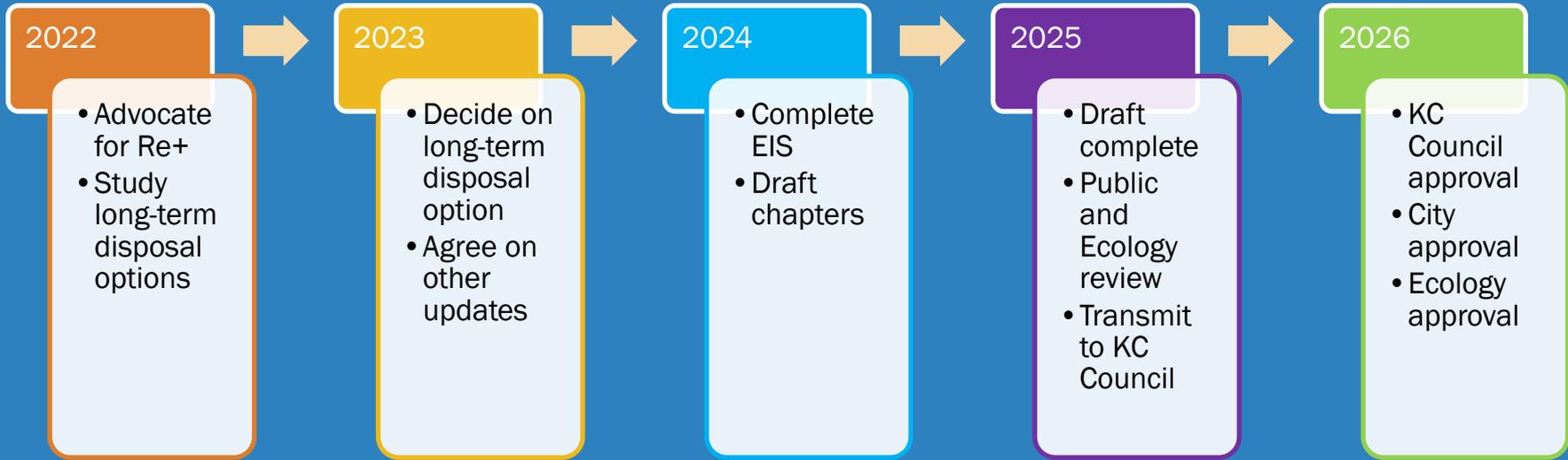
Objective

- Seek support for the “plan for the plan”
- Provide your feedback on what long-term disposal technologies to study and what evaluation criteria to use in analysis

Plan for the Plan

- Comp Plan Amendment requires SWD to submit a progress report for how we will make the long-term disposal decision by Dec 31, 2021.
- Create this plan with engagement from advisory committee partners

High level Schedule



Vote

Are you comfortable with this “plan for the plan”
for making the long-term disposal decision?



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Consultant Study – Long-Term Disposal Options

- SWD is going to hire a consultant to analyze various long-term disposal options against several evaluation criteria.
- This will aid in discussions about what long-term disposal option will be in the Comp Plan Update.

What is not Long-Term Disposal (LTD)?

- Recycling
- Pre-LTD technologies that recover recyclables from municipal solid waste (MSW)
 - Anaerobic Digestion
 - Advanced Material Recovery
 - Mechanical Biological Treatment



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What is Long-Term Disposal?

LTD is the technology/process that will dispose of the remaining MSW stream after all other efforts to capture and re-direct resources are exhausted.

This is where residuals from pre-LTD technologies will be sent to.

LTD Options to study



Waste Export



Waste-to-Energy (Mass Burn)



Gasification



Pyrolysis



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Evaluation of Options

- The 2019 Comp Plan had 6 categories with 38 criteria to consider
- Consolidated this list to 6 categories with 22 criteria to consider in this study

Consolidated List of Criteria

Environmental

- Human Health
- Climate Change
- Air Quality
- Water Quality
- Energy Production
- Resource Conservation

Social

- Environmental justice
- Social justice/equity
- Effects on livability and character of communities

Economic

- Capital Cost
- Operating Cost
- Revenue Generated
- Risk

Operating History

- Proven performance
- Safety record

Availability

- Capacity
- Siting, design, permitting and construction requirements

Contract and Operational Requirements

- Minimum level of waste required
- Composition of waste required
- Waste not accepted/ability to handle special waste
- Residue disposal requirements
- Compatibility with current collection and transfer systems

8. 2023-24 Rate Restructure: Support Letter.

Brian Halverson



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Proposed Restructure

- Fixed Charge Option
 - Billing and true-up under discussion with stakeholders
- Transmits to Council Nov 18
- Target Passage in Q1 2022
 - Leaving 9-10 months before implementation

Letter of Support

- Recognizes the need to stabilize the rate structure for Re+
 - Reaffirms support for Comp Plan projects and programs
- Agree with goals: rate stability, revenue neutrality, incentivizes recycling and waste reduction
- Expresses general support for the Fixed Charge option over the Account Fee option
- Urges Council to take up the issue with some urgency

9. Extending ILAs and Bond Terms

Brian Halverson



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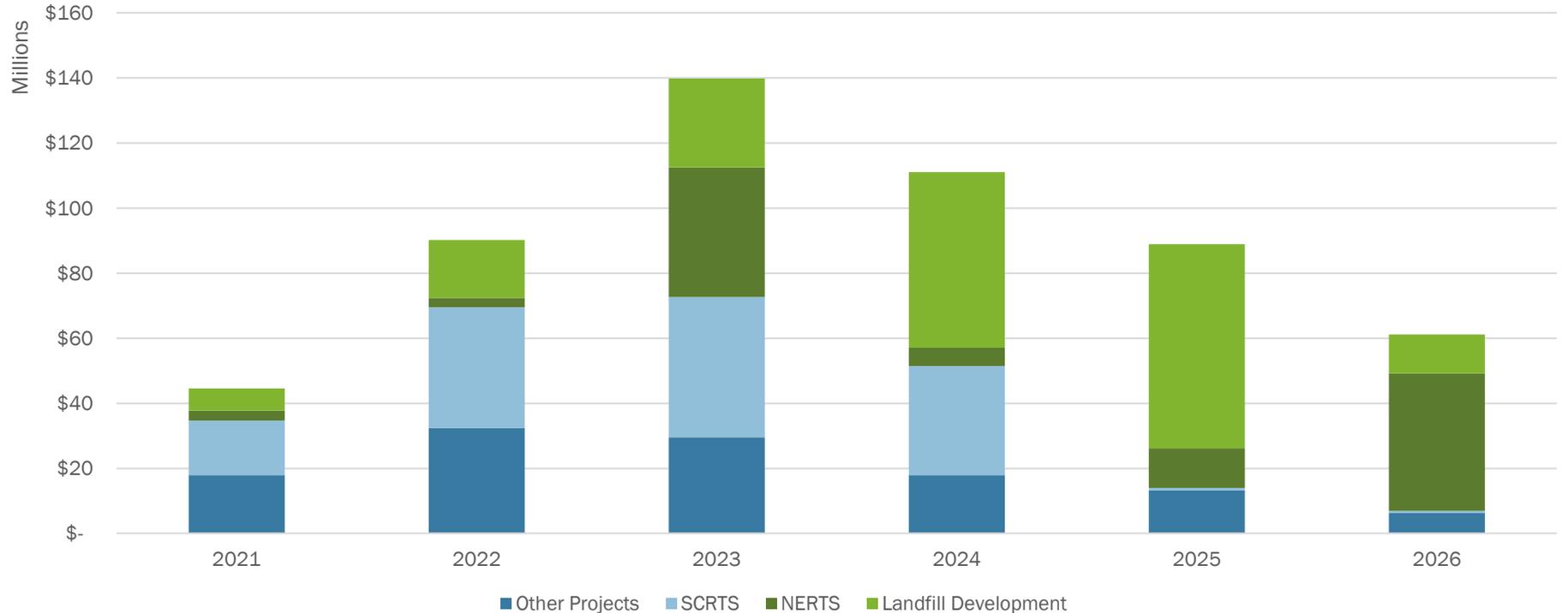
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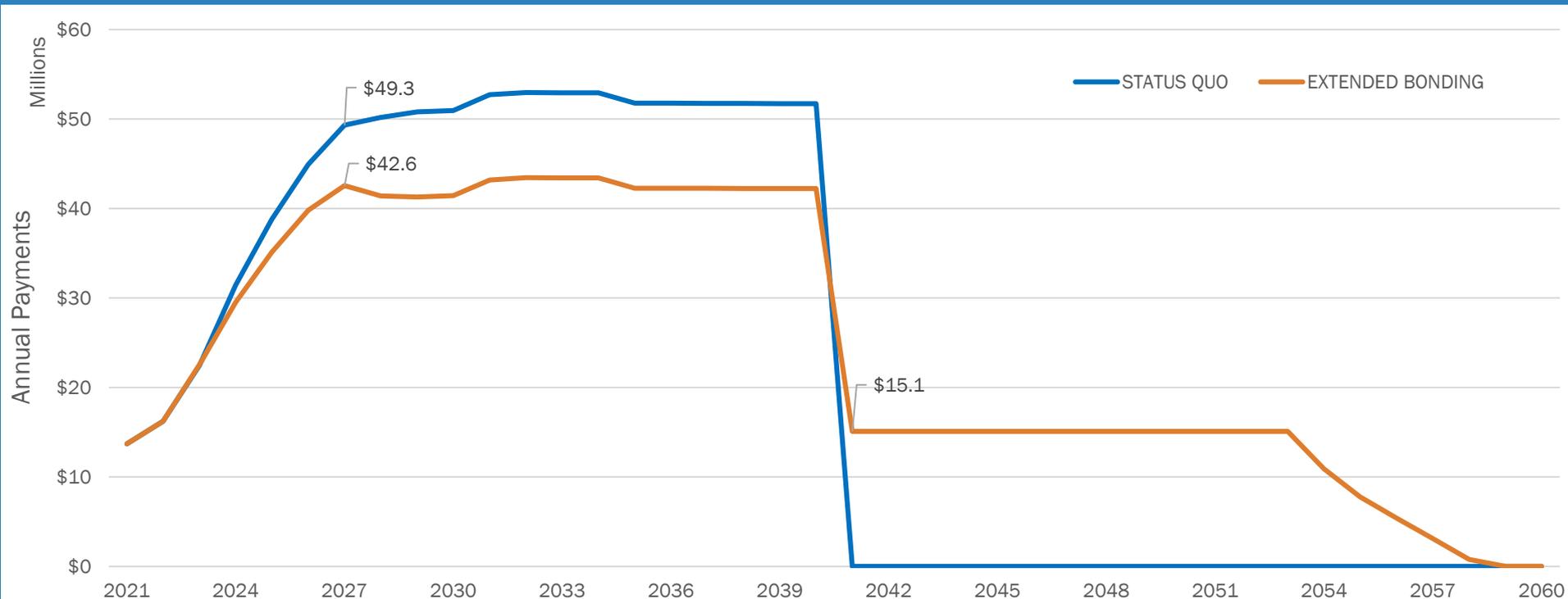
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\$450M in capital investments will improve service, lessen environmental impacts

Forecasted Capital Spending Through 2026



Lower Annual Payments Could Start In 2024



YEAR		2022	2023	2024	2025	2026	2027
STATUS QUO: ALL DEBT TO 2040	<i>Smooth Rate Scenario</i>	\$154.02	\$168.45	\$184.24	\$201.50	\$219.89	\$241.58
EXTENDED BONDING	Rate/Ton Impact		+\$ 0.10	-\$ 2.21	-\$ 4.13	-\$ 5.78	-\$ 7.60

Considerations

- Total Cost – extending the term will add \$85M in additional interest through 2060
- Equity – current users paying all the costs versus allocating costs to future users
- Timing – 40% of the total costs will be debt financed in 2023-2024

Considerations

- Long Term Disposal – This is not set yet, and extending ILAs without that choice is a concern
- Bond Terms – Currently set based on ILA expiration date, not useful life of assets or landfill life
 - Common practice is to set terms equal to useful life of the asset they are funding
- Refinancing Bonds – County policy on refinancing bonds is to maintain the original bond end date

Next Steps

- Does the committee wish to continue exploring this option?
- If yes, who would be willing to serve on a sub-committee to develop a recommendation?

10. MSWAC Work Planning

Dorian Waller



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Objective

- Committee to provide and discuss topics of interest for the 2022 committee workplan

11. Member Comment



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12. Adjourn



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