Clean Water Plan

Making the Right Investments at the Right Time

MWPAAC Monthly Update

February 26, 2020

Clean Water Plan
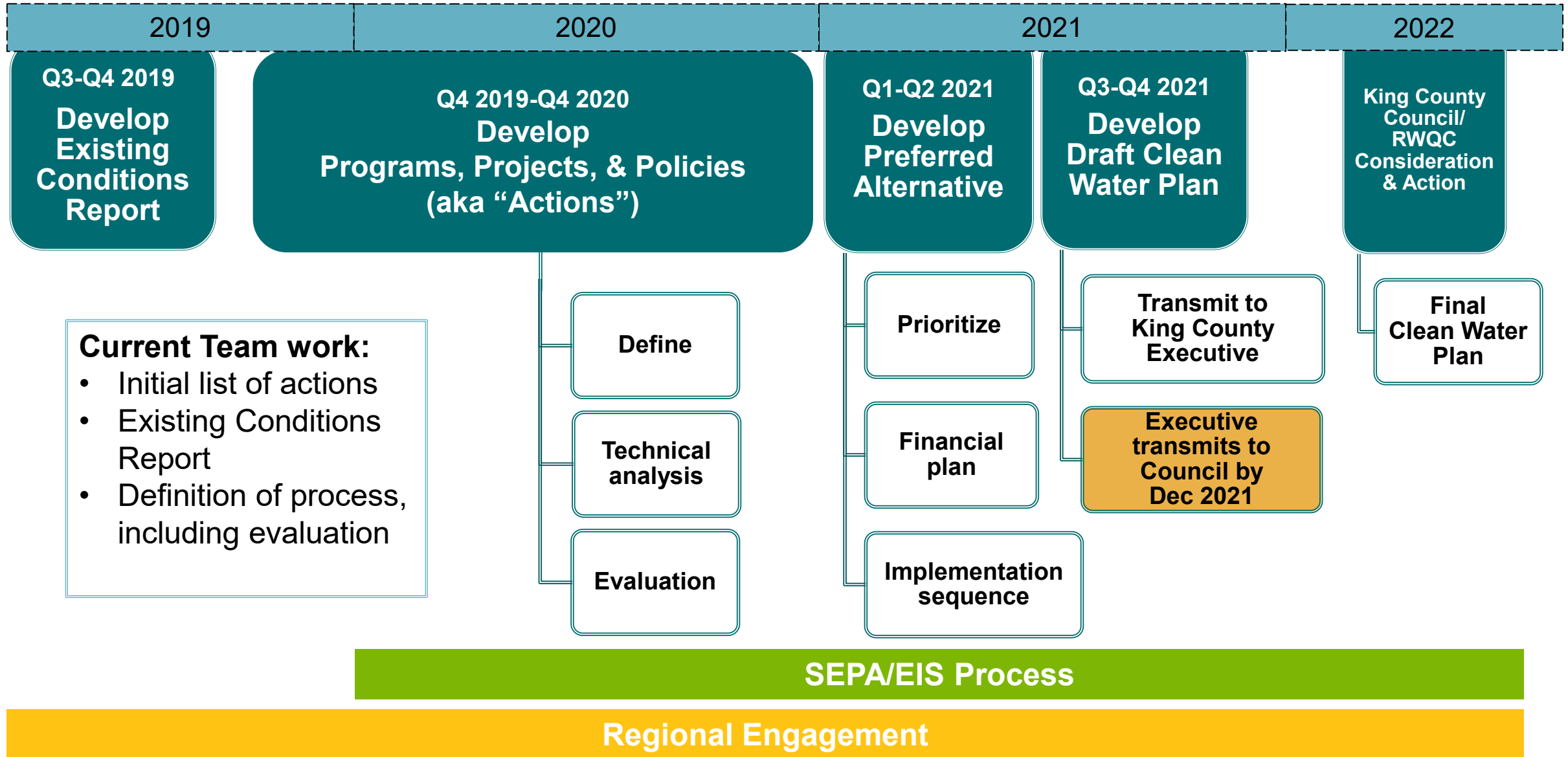Making the right investments at the right time

King County
Department of Natural Resources and Parks
Wastewater Treatment Division

What is the most appropriate path to ensure we direct the right public investments to the right actions at the right time for the best water quality outcomes?

Planning Process Overview

2019	2020	2021	2022

Q3-Q4 2019
Develop Existing Conditions Report

Q4 2019-Q4 2020
Develop Programs, Projects, & Policies (aka "Actions")

Q1-Q2 2021
Develop Preferred Alternative

Q3-Q4 2021
Develop Draft Clean Water Plan

King County Council/ RWQC Consideration & Action

Current Team work:
- Initial list of actions
- Existing Conditions Report
- Definition of process, including evaluation

Define

Technical analysis

Evaluation

Prioritize

Financial plan

Implementation sequence

Transmit to King County Executive

Executive transmits to Council by Dec 2021

Final Clean Water Plan

SEPA/EIS Process

Regional Engagement

Clean Water Plan Core Question: What is the most appropriate path to ensure we direct the right public investments to the right actions at the right time for the best water quality outcomes?
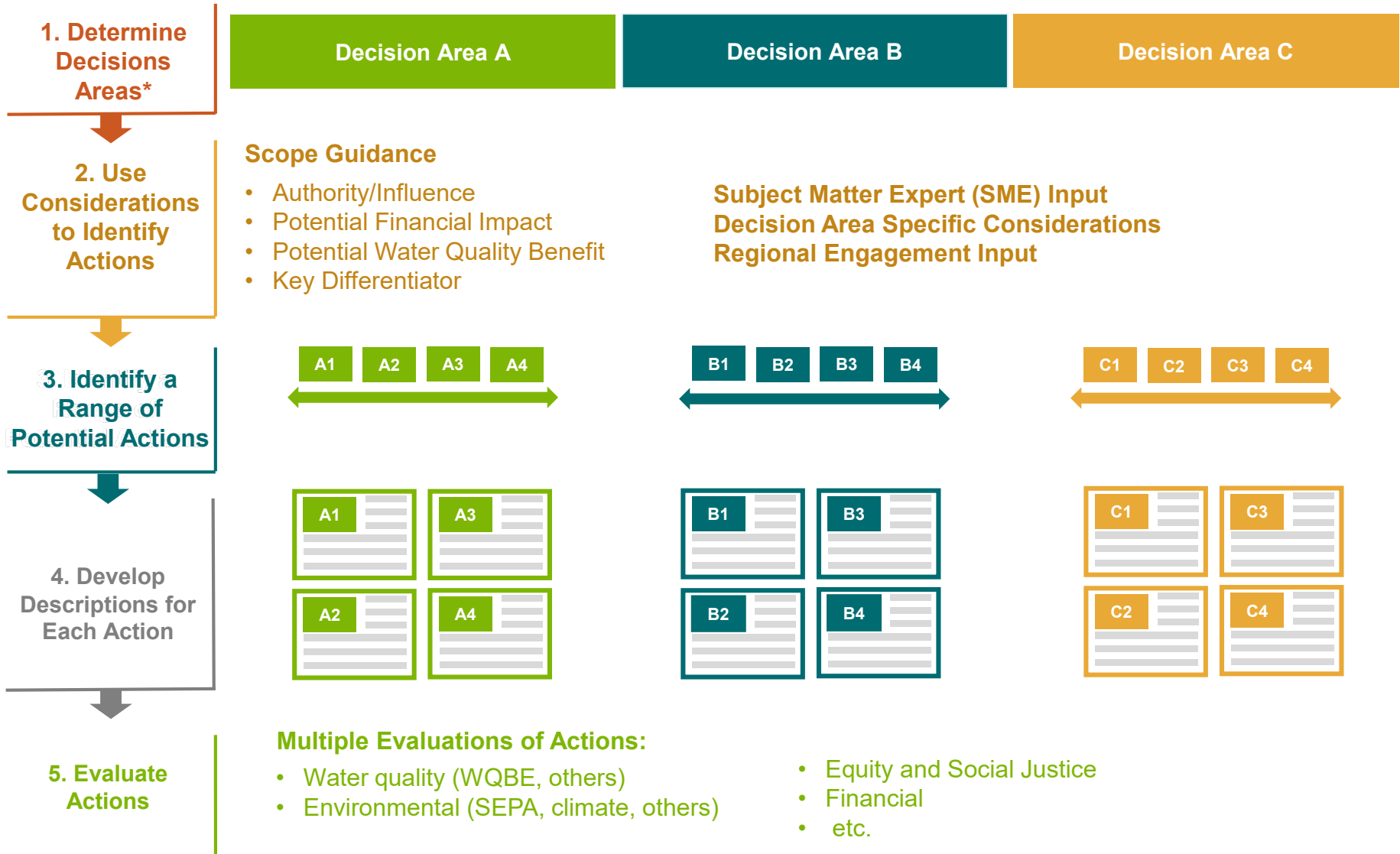
Preliminary Decision Areas

- Treatment Plants: What treatment plant investment should be made? October 2019 Briefing

- Pollutant Source Control / Product Stewardship: Are there more efficient or effective methods than wastewater treatment to address pollutants of concern? December 2019 Briefing

- Stormwater and Combined Sewer Overflows: What approach should be taken to address stormwater and combined sewer overflows in King County's system? January 2020 Briefing

- Wastewater Conveyance System: What are the best investments in collection systems to ensure sufficient capacity? December 2019 Briefing

- Asset Management, Resiliency, and Redundancy: What investments should be made to care for an aging regional wastewater system and protect investments that have been made? October 2019 Briefing

- Legacy Pollution: What are the opportunities to address legacy pollution? January 2020 Briefing

- Resource Recovery: What level of investment should King County make in recovering resources from wastewater? February 2020 Briefing

- Finance: How will regional water quality investments be financed? February 2020 Briefing

Overview of Planned 2020 Clean Water Plan Tasks

Current Team work:
- Initial list of actions

1. Determine Decisions Areas*

Decision Area A	Decision Area B	Decision Area C

2. Use Considerations to Identify Actions

Scope Guidance
- Authority/Influence
- Potential Financial Impact
- Potential Water Quality Benefit
- Key Differentiator

Subject Matter Expert (SME) Input
Decision Area Specific Considerations
Regional Engagement Input

3. Identify a Range of Potential Actions

| A1 | A2 | A3 | A4 | | B1 | B2 | B3 | B4 | | C1 | C2 | C3 | C4 |

4. Develop Descriptions for Each Action

A1	A3		B1	B3		C1	C3
A2	A4		B2	B4		C2	C4

5. Evaluate Actions

Multiple Evaluations of Actions:
- Water quality (WQBE, others)
- Environmental (SEPA, climate, others)
- Equity and Social Justice
- Financial
- etc.

Example Actions – Resource Recovery

What level of investment should King County make in recovering resources from wastewater?

- **Biosolids**
  - ▶ **Example Action 1** – Continued Class B Biosolids treatment and recycling through agricultural and forestry land application
  - ▶ **Example Action 2** – Class A Biosolids production and recycling through a variety of applications

- **Recycled water**
  - ▶ **Example Action 1** – Incorporate recycled water into relevant actions, e.g., decentralized treatment plants

- **Energy**
  - ▶ **Example Action 1** – Incorporate energy improvements into relevant actions, e.g., regional treatment plan upgrades

Example Actions - Finance

How will regional water quality investments be financed?

- **Financing Actions**
  - ► **Example Action 1** – Nutrient water quality trading program
  - ► **Example Action 2** – Water quality trading program to promote market-based mechanisms for improving water quality

Discussion and Questions

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