



 **King County**
Department of
Natural Resources and Parks
Solid Waste Division

Waste Prevention	Resource Recovery	Waste Disposal
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Demand Management Pilot Implementation Plan

Council of the Whole (COW) Briefing
April 19, 2017

Briefing Outline

- Demand Management Proviso Requirements
- Proposed Demand Management Implementation Plan
- Comprehensive Solid Waste Plan and its Relationship to Demand Management



Proviso Requires an Implementation Plan for the Demand Management Pilot

- The Division was required to submit a plan to the Council by March 30, 2017
- The plan was required to include;
 - recommendation and options for temporary changes to the Houghton station during the pilot
 - Strategy for integrating pilot results and 2019 Comp Plan Update

What is Demand Management?

Demand management seeks to serve users of the regional solid waste system without a transfer station in the Northeast area.

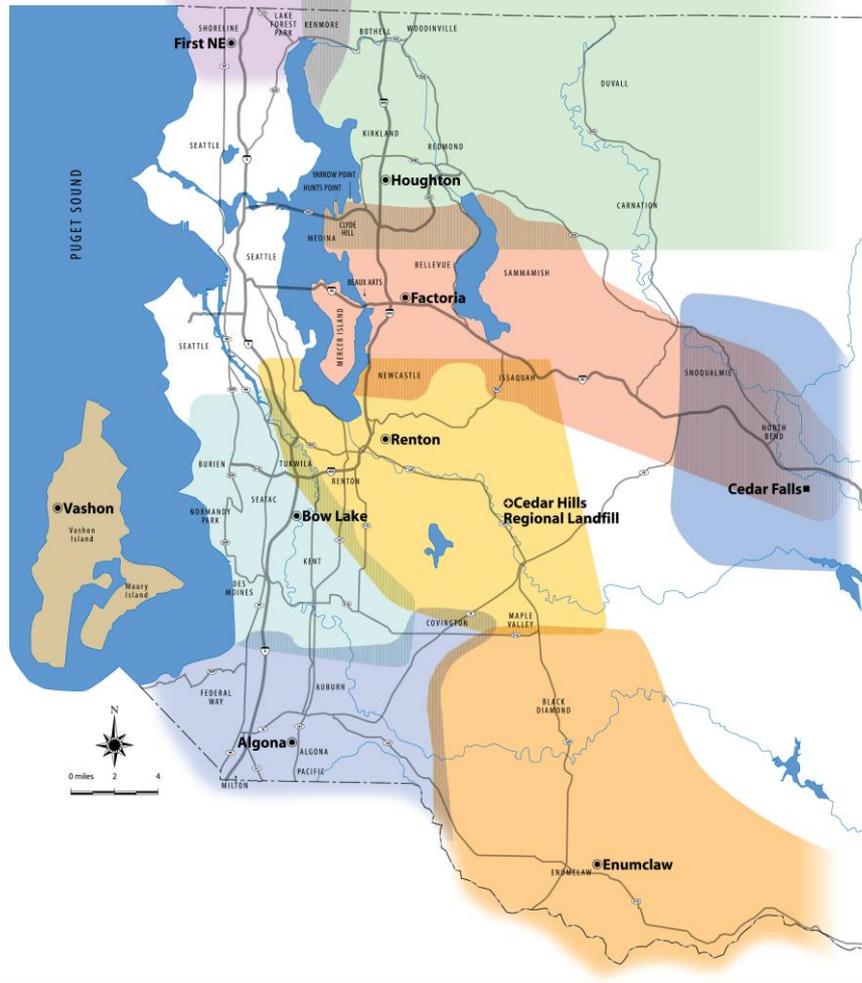


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King County Waste Transfer System

Station service areas shown in color – green is the NE area



Demand Management Implementation Plan Recommendations

12-month pilot program starting mid-2018



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Implementation Plan Suspends Disposal Services at Houghton during the Pilot

Suspended

Commercial Garbage Services

121,000 tons/yr
18,000 Transactions/yr

Self-Haul Garbage Services

39,700 tons/yr
117,000 Transactions/yr

Continued

Self-Service Recycling & Special Events

500 tons/yr

Factoria Before and During the Pilot*

Before:

125,000 tons/year

103,000 transactions/year

During:

270,000 tons/year

224,000 transactions/year

Extended Operating Hours at Factoria to Manage Additional Traffic

Day of Week	Current Operating Hours	Pilot Operating Hours
Weekdays	6:30 a.m. – 4:00 p.m.	6:30 a.m. – 10:00 p.m.
Weekend	8:30 a.m. – 5:30 p.m.	8:00 a.m. – 8:00 p.m.

Peak Pricing Applied from 11 a.m. to 3 p.m. for Factoria Self-Haulers

- Minimum fee for self-haul customers during peak period increases from \$21.60 to \$43.20
- Modeling indicates that extended hours and peak pricing will reduce station peak traffic by 19%

Additional Staffing at Factoria & Shoreline for Pilot

Pilot Activity	Pilot Staffing
Evening Shift at Factoria	4 transfer station operators 2 scale operators
Assist commercial traffic at Shoreline	2 transfer station operators
Transport Factoria evening loads	2 truck drivers

Off-site and On-site Measures to Monitor Impact of Pilot



Percent of trips meeting time on site standards



Waste meets daily handling capacity



Traffic does not extend onto local streets 95% of time



Traffic impact to surrounding intersections meets level-of-service standards



Operation meets local noise ordinance levels

Other Proviso Options

Other options were considered but not recommended because they do not replicate the absence of a station in the NE area:

- Increased rates at Houghton
- Curtailed hours at Houghton
- Temporary change of services at Houghton

Steps to Prepare for Pilot Implementation

Prepare environmental review
Mar 2017–Oct 2017

Hauler WUTC rate
proposals (if needed)
Mar-Jun 2018

Discuss permit issues with host cities
Dec 2016–Oct 2017

City contract amendments
(if needed): Feb-Jun 2018

2017

2018

2019

Council approval of
peak pricing ordinance:
Nov 2017–Jan 2018

Project Start:
Jul 2018

New routes planned by
haulers
Nov 2017- Jan 2018

Customer communications
Feb 2018-Jun 2019

Status Report Due After First 7 Months

- Second proviso requires a status report to Council within seven months of the pilot's start, including:
 - Impact of pilot results on transfer system
 - Lessons learned
 - Recommendation to proceed or terminate pilot

Comprehensive Solid Waste Management Plan is the Policy Roadmap for King County

The Plan (required by RCW 70.95):

- Sets long-term goals and capital program
- Establishes the policy framework for county and city solid waste activities
- Identifies funding sources and cost impacts
- Helps implement regional goals such as climate protection



Final 2001 Comprehensive Solid Waste Management Plan

November 2001

Comp Plan Provides Key Guidance



Planning

How will the region plan and track progress?



Recycling

How will zero waste of resources be achieved?



Collection

What collection approaches will the region use?



Transfer

What blend of facilities and practices best meets needs (NE station, demand management)?



Disposal

What long-term disposal option best meets needs (Cedar Hills, export, waste-to-energy)?



Finance

How should system finances be managed?

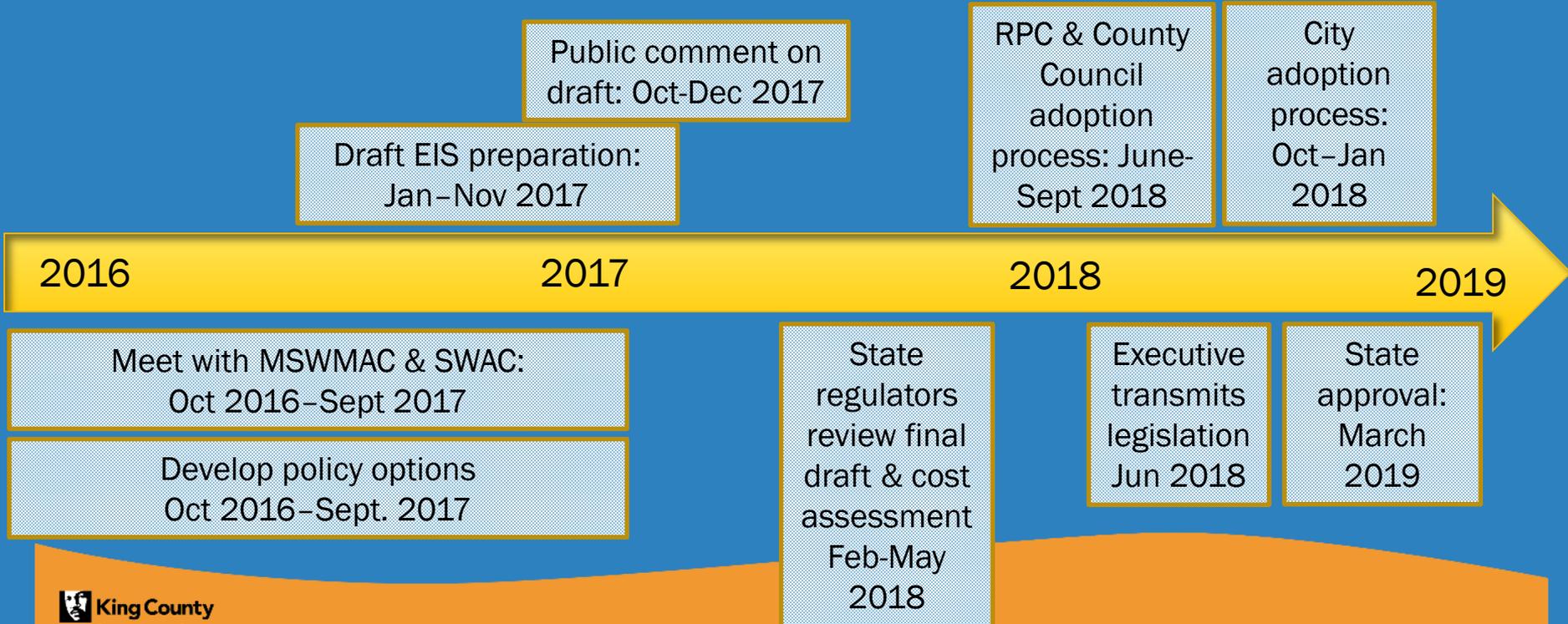


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Comp Plan Adoption Timeline

(Process follows RCW 70.95 and county/city interlocal agreements)



Comp Plan Update Can Set Criteria to Determine Pilot Success

Comp Plan
Policies Set
Standards for
Pilot Success



2018-2019 Pilot



New Northeast
Transfer Station

Continue Demand
Management

Example of Possible Transfer Policy

- To accommodate a growing population and industry changes, and provide efficient and cost-effective services to customers, the Northeast area transfer system should meet the following service levels:
 1. Measure ...,
 2. Measure ...,
 3. Measure ...
- If the demand management pilot program scheduled to begin in 2018 in the Northeast area proves to be insufficient in meeting those service levels, plans for a new Northeast Recycling and Transfer Station should begin immediately unless an equivalent alternative has been identified.

QUESTIONS?

