

7. Zero Waste of Resources Innovation Tour

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King County

Department of
Natural Resources and Parks
Solid Waste Division

Zero Waste of Resources Innovation Tour

Zero Waste of Resources by 2030

By 2030, our region will need to ensure through reduce, reuse and recycling, 70% of what was disposed of 2015 is not sent to landfill.



Cedar Hills
2015



Cedar Hills
2030



Everything else
Small volumes & limited recyclability

Innovation hot spots – options for grouping the tours

US Pacific Northwest (2 day – May)

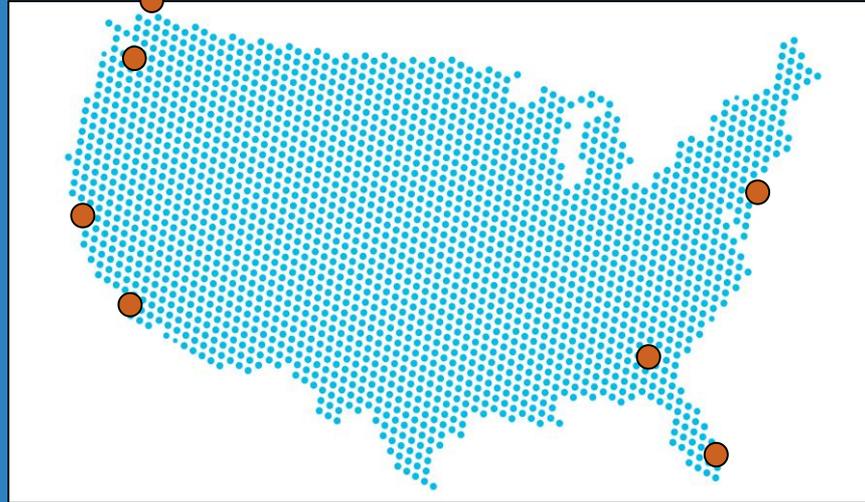
- Regional landfill tours
- Waste to energy
- Chemical recycling
- Paper

California (3 day – April)

- Dry/wet digestion
- Advanced MRF innovations
- Organics
- Post-consumer material demand

British Columbia (2 day – June/July)

- Plastic recycling
- Extended Producer Responsibility



US Northeast (4 day – April)

- Organics
- Food waste processing
- Textiles

US Southeast (4 day – May)

- Waste to energy
- Paper pulp

Timeline

| APRIL 2020 | | | | | | |
|--|--|---------|--|----------|--------|----------|
| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
| 29 | 30 | 31 | 1  California  | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26   | 27 Northeast  | 28 | 29  | 30 | 1 | 2 |

| MAY 2020 | | | | | | |
|--|--|---------|--|--|--------|----------|
| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
| 26 | 27 | 28 | 29 | 30 | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10   | 11 Southeast  | 12 | 13  | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28  PNW  | 29 | 30 |

- **California:** 3 day tour
- **Northeast:** 4 day tour

- **Southeast:** 4 day tour
- **PNW:** 2 day tour

- **BC:** 2 day tour in collaborations with Zero Waste Washington. June/July - TBD

 Flight on day of tour

 Dedicated day to travel

 Coach tour only

California – Bay Area and Southern California

April 1



Morning:

Blue Line Biogenic CNG Facility

Dry digestion facility – organics to biogas.

Afternoon:

Recology MRF

Advanced optical sorting

April 2



Morning:

RethinkWaste

MSW organics to feed waste water co-digestion.

Afternoon:

GreenWaste

This “Dirty MRF” pre-processes “wet” waste and feeds ZWED AD.

April 3



Morning:

rPlanet Earth

100% post-consumer plastic packaging producer

Titus MRF Services

Its secondary MRF

Afternoon:

Return to SEATAC.



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Northeast – New York, New Jersey & Pennsylvania

April 26



April 27



Morning:

Tour of NYC CORE

Organics – food waste use as a feedstock for co-digestion

Afternoon:

Newtown Creek Waste Water Treatment Plant

Organics – Food waste use processed in co-digester

April 28



Morning:

Fabscrap

Textile recycling and reuse.

Afternoon:

Terracycle

Zero-waste reusable packaging ('Loop') partnering with partners at P&G, Unilever, Nestle, PepsiCo, Coca-Cola.

April 29



Morning:

City of Philadelphia

Innovations:

- Meeting with City officials on their innovation projects

Afternoon:

Flight to Seattle



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Southeast – Florida & Georgia

May 10



May 11

Morning:

SWA Waste-to-Energy Plant
'Advanced and clean' waste-to-energy power plant in North America'

Afternoon:

Flight to Savannah, GA

May 12



Morning:

Georgia Pacific's waste-to-paper pulp process
Post consumer waste paper processing with anaerobic digestion

Afternoon:

Shaw Carpet Recycling Processing Plant
Carpet recycling and market development

May 13



Morning:

Pratt Industries Recycled Paper Mill (Conyers, GA):
100% recycled cardboard paper mill.

Afternoon:

Flight to Seattle



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US Pacific Northwest

May 28



Morning:

Drive to OR.

Afternoon:

Arlington landfill: Tour of facilities & Q&A

Drive to Landfill 2, OR.

Roosevelt landfill: Tour of facilities & Q&A

May 29



Morning:

Covanta waste to energy:
Waste incinerator

Afternoon:

Agylix
Polystyrene chemical recycling

NORPAC paper mill
Post consumer feedstock



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Upcoming Deadlines

In order to make travel arrangements, participants need to confirm by these dates

