



Industrial Symbiosis Update

City of Tacoma | Environmental Services-OEPS

Infrastructure, Planning & Sustainability Committee

January 26, 2022

ITEM #1



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OVERVIEW



The [Ellen MacArthur Foundation](#) describes a circular economy as, *“A systems solution framework that tackles global challenges like climate change, biodiversity loss, waste, and pollution. It is based on three principles, driven by design: eliminate waste and pollution, circulate products and materials (at their highest value), and regenerate nature.”*

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INDUSTRIAL SYMBIOSIS



- Process by which waste or by-products of an industry or industrial process become the raw materials for another
- Paradigm shift
- Online platform is a tool and catalyst

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BACKGROUND



- Industrial Symbiosis work group established
- December 2019 workshop of commercial/industrial customers
- Budgeted for online platform for 2020-2021 budget; cut due to COVID
- WA Dept. of Ecology grant Summer 2021

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CO-BENEFITS



- Solid waste diversion and value-added product
- Cost savings
- GHG emission reduction
- Green/local economy strategy
 - Material flow tracking
 - Mapping

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PARTNERSHIPS

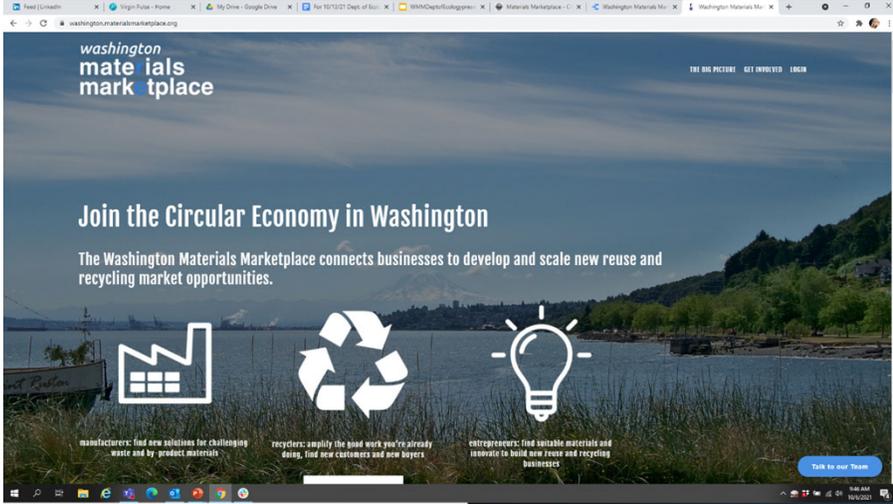


- Seattle Good Business Network
- U.S. Business Council for Sustainable Development
 - Michigan
 - Ohio
 - Ontario
 - Tennessee
 - Texas

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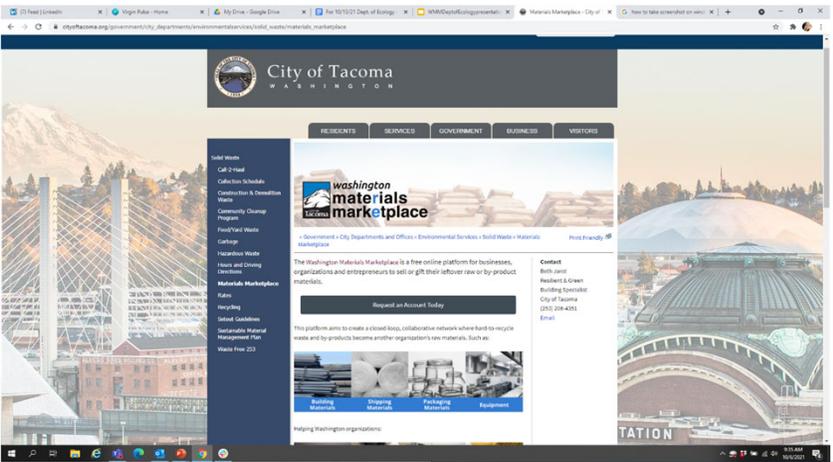
PLATFORM

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COT WEBPAGE

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OUTREACH



- 100 accounts established since late summer 2021
- Limited marketing due to staff capacity
- Focused on Pierce and King Counties
- Commodity-specific webinars (started with C & D)
- Onboarding options
- Reaching critical mass

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NEXT STEPS



- Continue to market regionally
- Textile webinar in Q1 2022
- Conversations with WA Dept. of Commerce
- Rheaply merger
- Other opportunities
 - West coast C & D coordination
 - Connecting with Dept. of Ecology Lean & Green, etc.

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