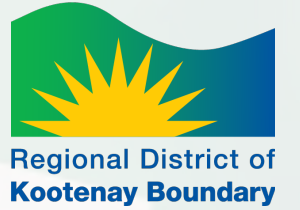


# UBCM Electoral Area Director's Forum



## Recycling in BC A “RDKB” Perspective

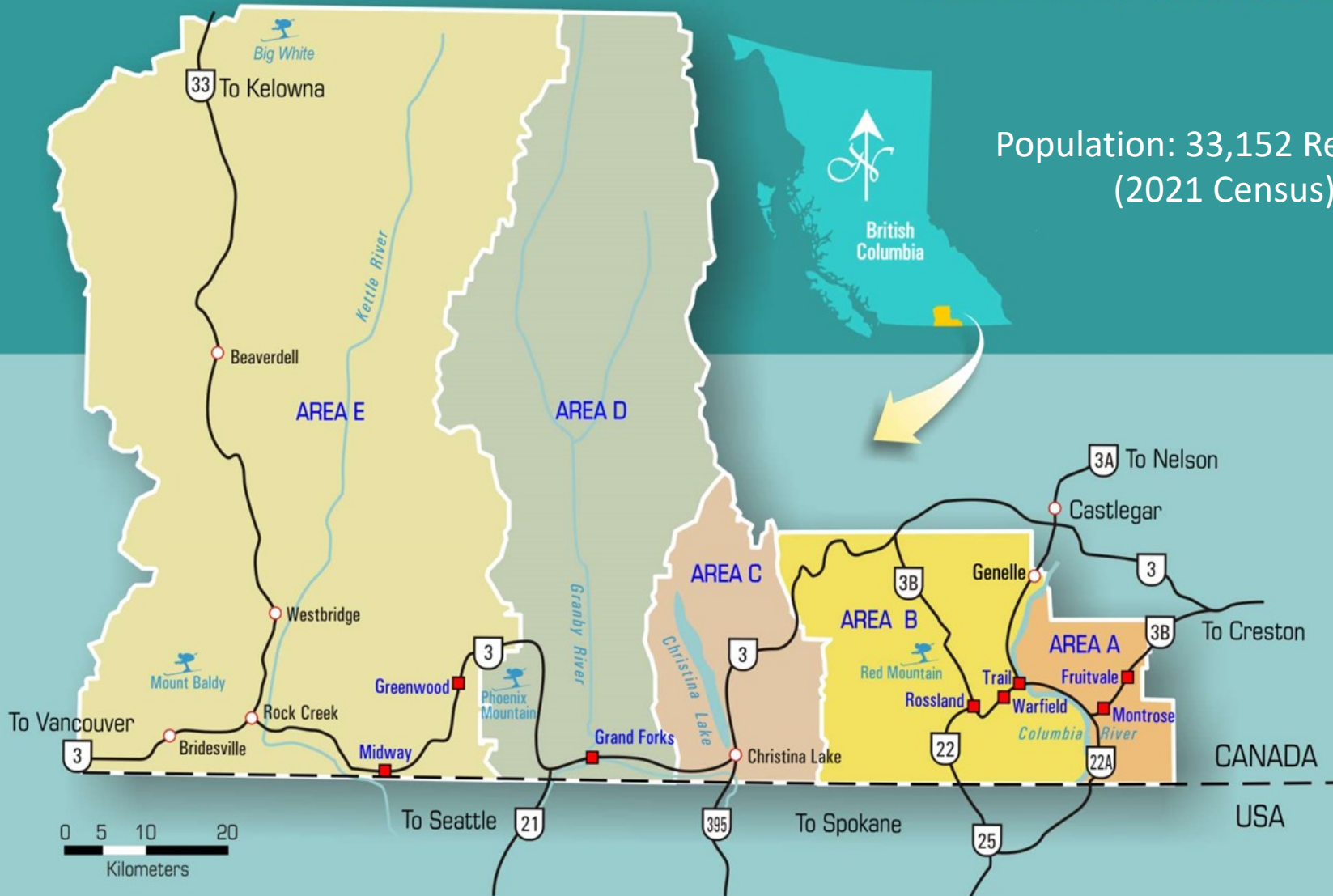
April 5, 2022

Janine Dougall  
General Manager of Environmental Services

# Regional District of KOOTENAY BOUNDARY



Population: 33,152 Residents  
(2021 Census)



## Regional Solid Waste Management

Service Establishment Bylaw 1090, that created the fully regionalized integrated solid waste management service area states that the purpose of the function is to, “undertake and carry out, or cause to be carried out solid waste management in and for the local service area (the entire RDKB including all municipalities and electoral areas) and do all things necessary or convenient in connection therewith including, but not limited to, collection, removal, recycling, treatment and disposal of waste and noxious, offensive or unwholesome substances”.

# Leaders in Waste Reduction

- In 2000: RDKB Board adopted Zero Waste Goal
- One of the first RDs in Province to provide rural residential **blue box** collection – transitioned to RecycleBC in 2014
- Use of Tipping Fees to Shape Behaviour and Drive Waste Reduction

# Leaders in Waste Reduction

- Focus shifted to **organics diversion** in 2013 – Grand Forks
  - Program expanded to remaining Boundary region. Total of 5,900 residential households (Greenwood – January 1, 2022)
  - McKelvey Creek Wasteshed – May 2023 (8,300 households)

Before the Green Bin



After the Green Bin

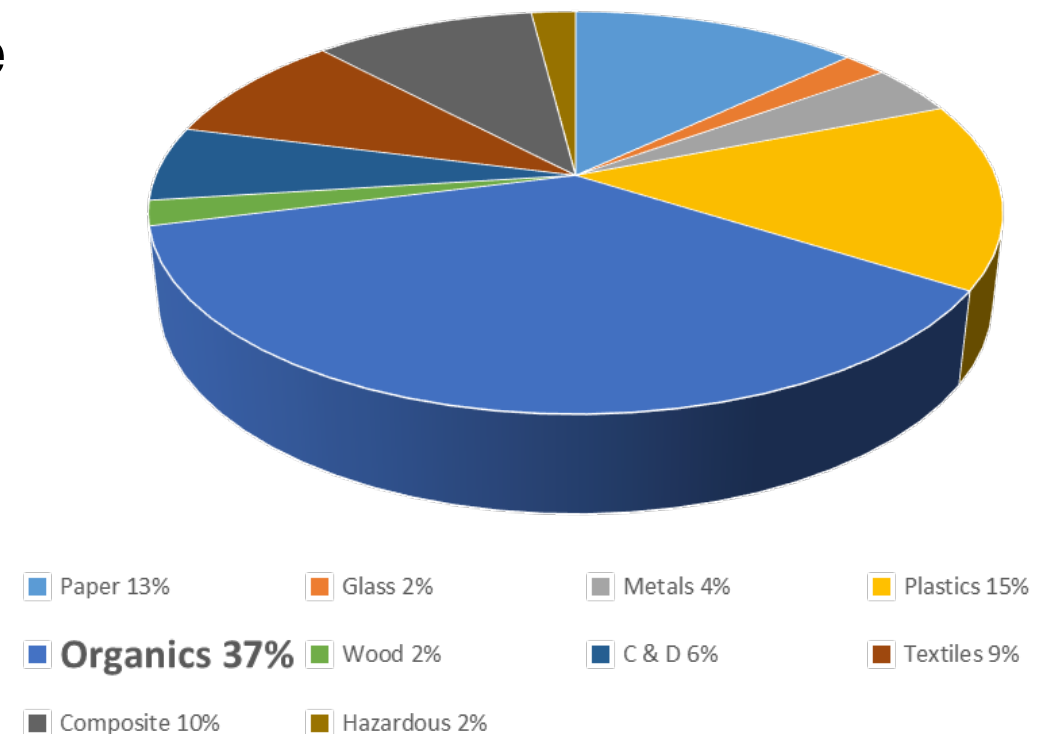


# Benefits of Organics Diversion

- Extend Landfill Life – Challenges siting new landfill facilities
  - Approx. 37-38% of landfill waste disposed is **compostable organics**
  - 877 metric tonnes (initial) to 1,451 metric tonnes in 2040
- Reduction in Green House Gas Emissions
  - Annual reductions estimated at 2,325 tCO<sub>2</sub>e
- Class A soil product
- Landfill Gas Regulations



McKelvey Creek Landfill



# Leaders in Waste Reduction – Transitioning to EPR

- Partnerships with Extended Producer Responsibility Programs
  - Big White Express“N”Go – Encorp Pacific
  - Product Care – Paint and Household Hazardous Waste
  - RecycleBC Depot Locations
  - Lead Acid (Auto) batteries
  - Major Appliances
- Promoting Existing EPR Programs is good for small business



# Leaders in Waste Reduction – Transitioning to EPR

- Provide diversion programs where currently no EPR
  - Commercial Packaging/Printed Paper Depot Locations
  - Residential PPP depots where RecycleBC does not provide service
  - Scrap Metal
  - Propane Tanks
- Educate, educate, educate
- Monitoring of EPR Program Effectiveness
  - Support “continuous improvement” with service provision in rural BC.
  - Participate in consultation on EPR programs
  - Participate on BC Product Stewardship Council

# Keys to Success



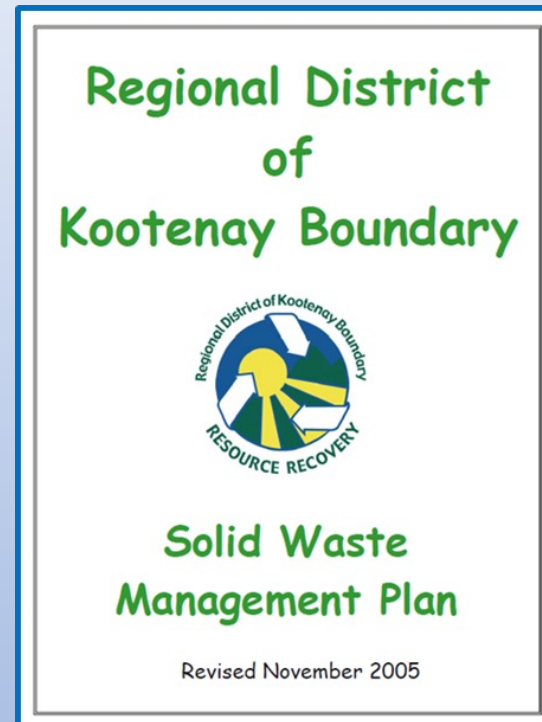
- Board / Public Support / Staffing
- Understanding the Context
  - Provincial Goals, Targets, Regulatory Changes
  - Federal Initiatives
- Understanding how Waste Reduction fits into the “big picture”
  - Climate Change, Green House Gas Emissions, Carbon Resilience

The BC Provincial Government has set a provincial waste disposal target to lower the municipal solid waste disposal rate to **350 kg per person** to reduce the waste generated on land and in the marine environment.



# Keys to Success

- Long Term Vision – Solid Waste Management Planning
- Consolidation and removal of Unattended Solid Waste Facilities
- Use of Tipping Fees to Shape Behaviour and Drive Waste Reduction



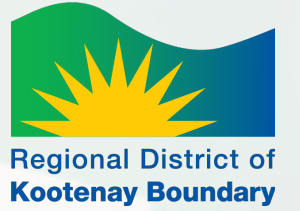
# Grant Success

- 2019 Organics Management Strategy
  - Built off of previous work completed in 2005
  - Partnership with Regional District of Central Kootenay
- CleanBC Organics Infrastructure Program - \$2.4 Million in funding to upgrade Grand Forks Composting Facility
- CleanBC Organics Infrastructure and Collection Program - \$700,000 to support initiation of curbside green bin (food waste) collection in McKelvey Creek Wasteshed. Approximately 8,300 residential households.

# Where Do We Go From Here...

- Solid Waste Management Plan Update 2024/2025
  - Items to Consider:
    - Circular economy principles
    - Additional EPR Programs (materials/sectors)
    - Education/Awareness/Enforcement
    - Landfill Guidelines/Regulatory Changes
    - Fleet Opportunities/Electrification

# Thank You for your attention...



- Any Questions???

