



Comox Strathcona
Waste Management

Comox Strathcona Waste Management Service Solid Waste Advanced Technologies Select Committee

Strategic Planning
February 22, 2019

RETHINK • REDUCE • REUSE • RECYCLE

Solid Waste Management Plan



- 2012 update approved in May 2013
- Two years to complete at cost of \$500,000
- Extensive public and First Nations input = the social license for the programs, initiatives and required borrowing



SWMP key objectives

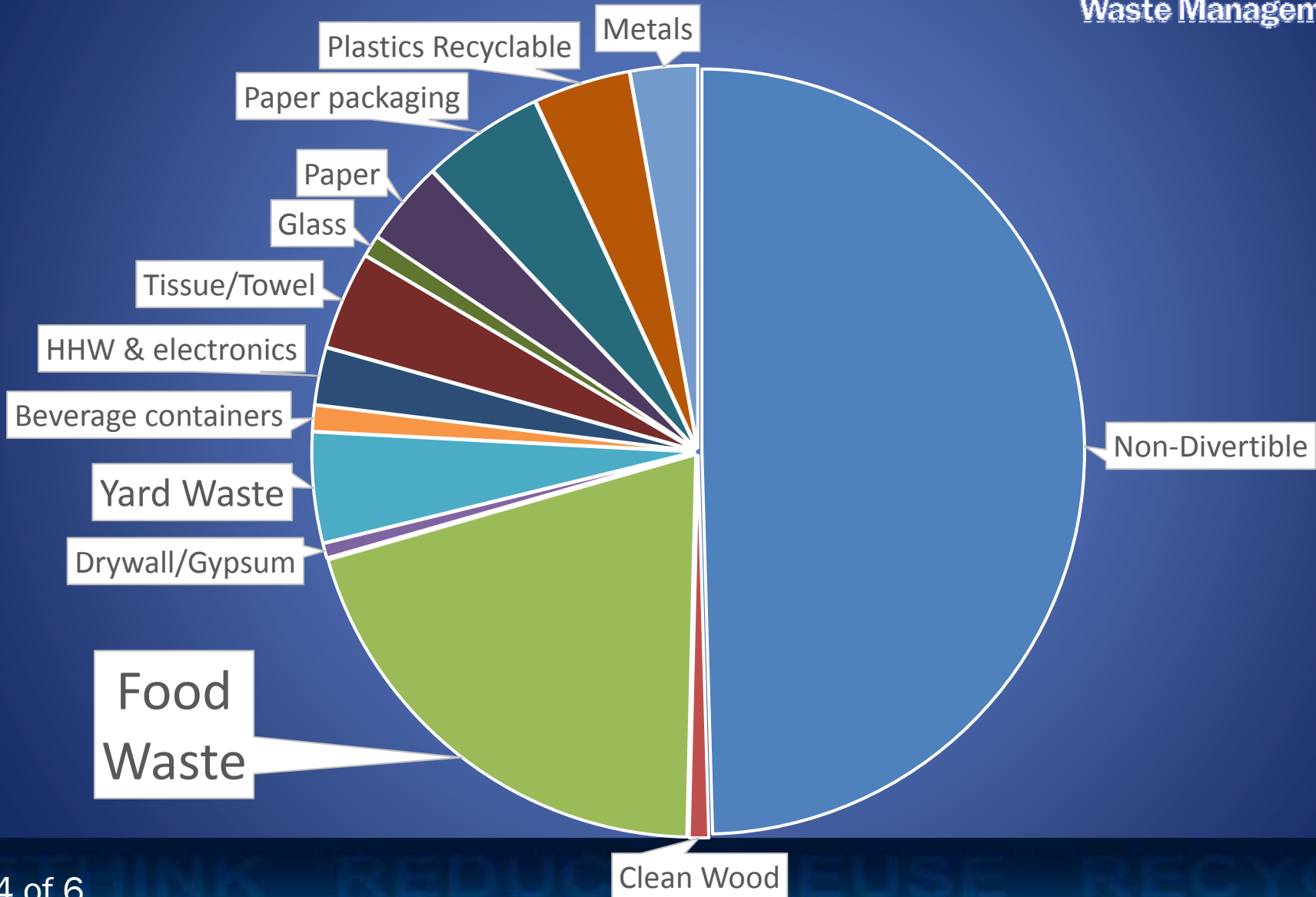


- Increase diversion (reduce, reuse and recycle) to 70 per cent (350 kg/capita)
- Divert organics to support 70 per cent
- Improve waste management in industrial, commercial and institutional (ICI) sectors
- Improve illegal dumping prevention;
- Improve residual waste management
- Explore waste-to-energy technologies and consider for future planning

Overall waste composition



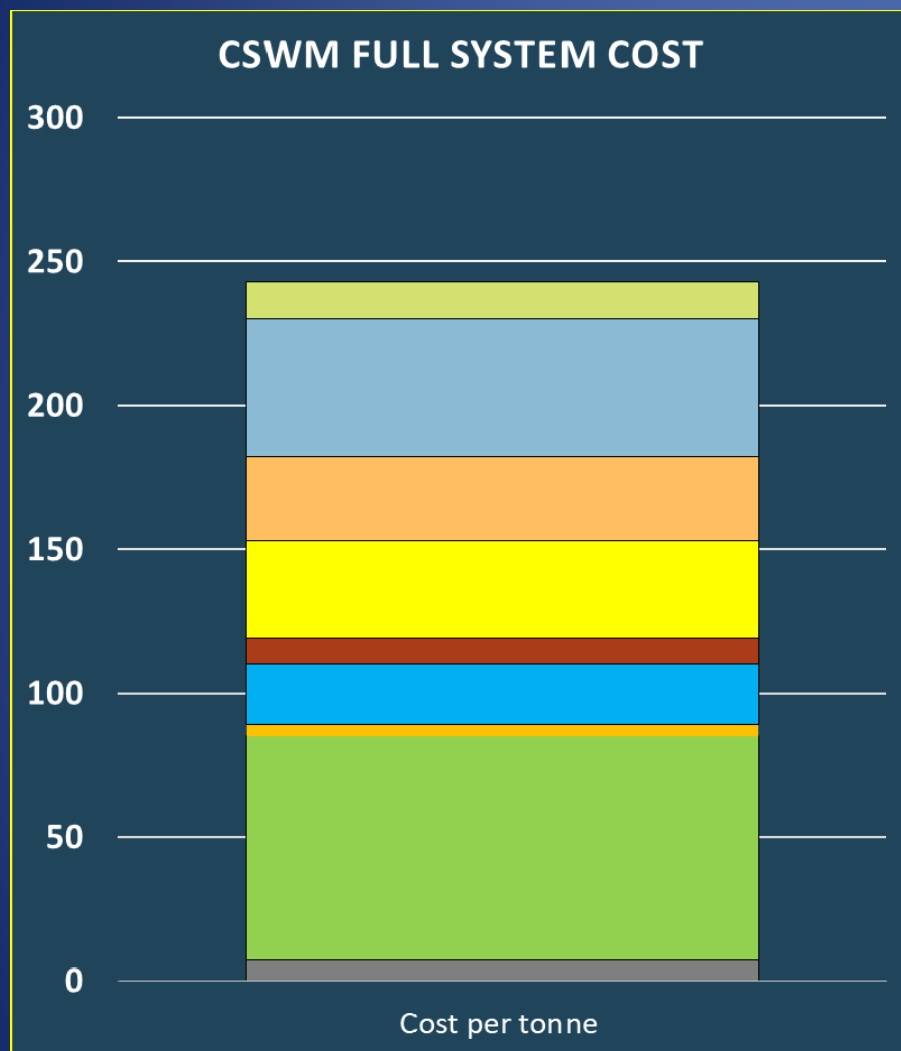
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Status Quo



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ESTIMATED COSTS PER TONNE (2018-27)

- Host Community Agreements \$7
- Diversion Initiatives \$78
- Illegal Dumping \$4
- Regional Organics (est.) \$21
- Support Services \$9
- Remote transfer stations/Landfills \$34
- Landfilling - \$29 Fixed
- **\$48 Variable**
- CVWMC & CRWMC waste transfer \$13

SWAT – Terms of Reference

- Develop business case regarding WTE and advanced technologies to manage waste in CSWM – completed April 2018

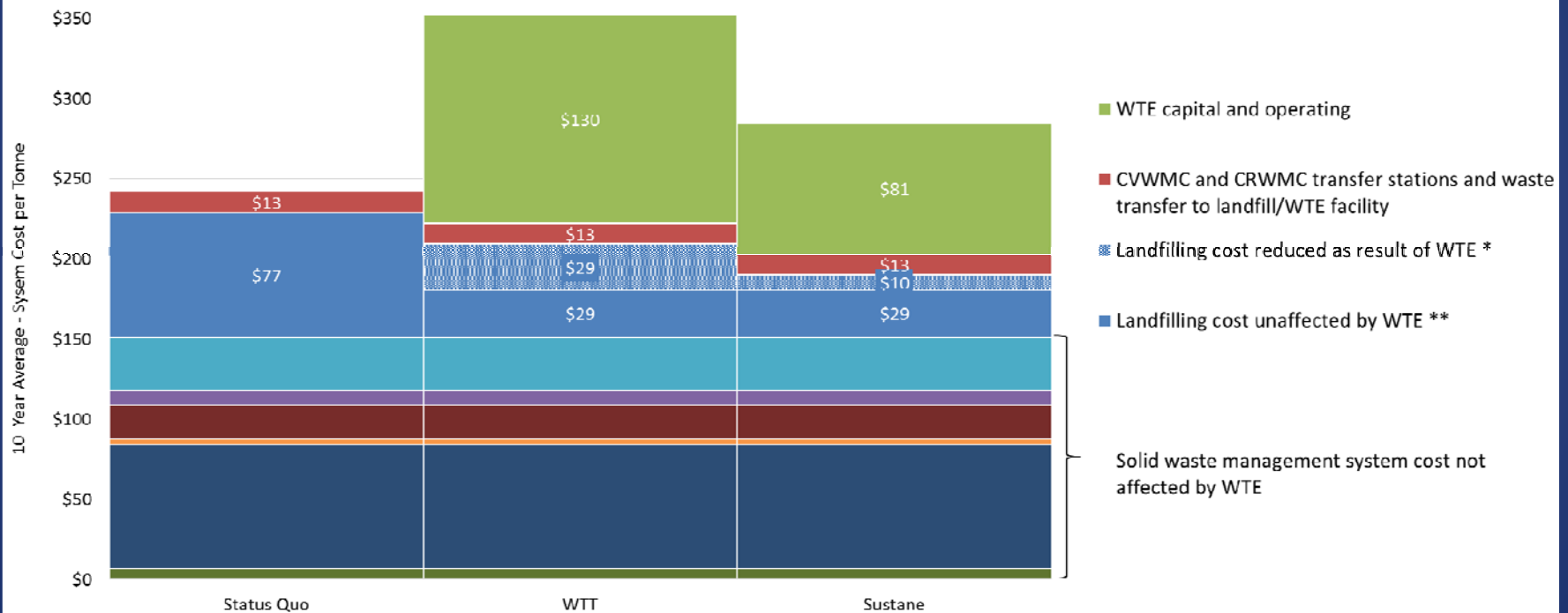
CURRENT WORKPLAN

- Educate members and directors on WTE and advanced technologies
- 2019 workplan: monitor Sustane (identified technology) as per Feb 7/19 Board approval

Full System Cost Assessment 10 year (2018-2027)



Solid waste management system cost per tonne - First 10 years of WTE operation in Comox Valley
(Increasing capacity)



* CVWMC IF Capital Expansion, Closure and Equipment Costs and Active Landfilling Operating Costs, ** CVWMC Post Closure Costs and CRWMC IF Capital and Operating Costs