

# APPENDICES

## Appendix 1: ZERO by FIFTY Actions Timeline

Complete ZERO by FIFTY Actions Timeline			
ACTION	TIMEFRAME	DIVERSION POTENTIAL	UPSTREAM IMPACTS
A1.1: Transform the current collection infrastructure to support the ZERO by FIFTY goal	Short	Medium – High	Low – Medium
A1.2: Ensure availability of recycling and composting collection service to all Missoula households, businesses, & multi family residential housing units (MFUs)	Short	Medium – High	Low
A1.3: Support expansion of diversion options for household hazardous waste (HHW), e-waste, and universal waste disposal	Short	Low – Medium	Low
A1.4: Install Zero Waste stations in public parks and other popular public spaces such as Downtown	Short	Low	Low
B1.1: Work to expand materials accepted at Garden City Compost	Short	Medium – High	Low
B1.2: Assist with development of HHW facility	Short	Low	Low
B1.3: Ensure availability of materials & technical support for Zero Waste events	Short	Medium	Medium
B1.4: Support expanded drop-off options for recyclables & reusables	Short	Low	Low – Medium
B2.1: Develop Zero Waste start-up assistance program	Short	Medium	High
B2.2: Investigate development of a Zero Waste Business Park	Short	Medium	Low
C1.1: Develop community-focused, cross-platform education campaign	Short	Low – Medium	Low
C1.2: Support integration of the ZERO by FIFTY goal and framework across Missoula	Short	Medium	Medium
C1.3: Promote expansion of source reduction & reuse initiatives	Short	Low	Low
C1.4: Provide guidance for construction, demolition, and deconstruction (CDD) reuse and recycling service options	Short	Low	Low
C2.1: Support implementation of Zero Waste in K-12 schools	Short	Medium	Medium
C2.2: Support community opportunities to gain Zero Waste skills	Short	Low	Low
D1.1: Encourage environmentally preferable purchasing (EPP) practices	Short	Low	High
D1.2: Adopt and implement ZERO by FIFTY goals and action plans for all public venues and events	Short	Medium	Low
D2.1: Integrate the ZERO by FIFTY actions into existing comprehensive City & City partner planning documents	Short	Medium	Medium
D2.2: Develop incentives for new Zero Waste business start-ups	Short	Medium	High

## Complete ZERO by FIFTY Actions Timeline (continued)

ACTION	TIMEFRAME	DIVERSION POTENTIAL	UPSTREAM IMPACTS
D2.3: Provide incentives to developers & contractors who include reuse, recycling, and deconstruction in project plans	Short	Low – Medium	Low – High
D2.4: Encourage and provide incentives for homes, neighborhoods, schools, and businesses to compost food scraps and yard trimmings	Short	Low – High	Low – Medium
D2.5: Offer incentives for use of local compost	Short	Medium	Medium
D3.1: Adopt a community-wide Universal Zero Waste Ordinance	Short	Medium – High	Low – Medium
D4.1: Restrict free distribution of single-use disposables	Short	Low – Medium	Medium – High
C1.5: Develop & deploy outreach program & resources to support businesses moving toward Zero Waste	Short/Medium	Low – Medium	Low – High
D1.3: Integrate reuse, recycling, and deconstruction into all City-supported construction and demolition projects	Short/Medium	High*	Medium*
A1.5: Work with waste collection service provider to implement Every-Other-Week (EOW) trash collection	Medium	Medium	Low
B1.5: Support a more complete and comprehensive food recovery network	Medium	Low – Medium	Medium
B1.6: Explore development of additional Zero Waste facilities	Medium	Low – High	Low – Medium
D1.4: Require environmentally preferable purchasing (EPP) practices and incorporate Zero Waste objectives into all contractual purchases and services	Medium	Medium	High
D2.6: Develop a recognition & reward program for outstanding Zero Waste businesses & institutions	Medium	Low	Low
D3.2: Identify a path to a Universal Deconstruction Ordinance	Medium	Low*	Low*
D3.3: Establish minimum reuse and recycling requirements for construction, demolition, and deconstruction (CDD) materials	Medium	Medium	Low
D3.4: Implement mandatory retailer take-back	Medium	Medium	Low
D4.2: Ban landfill disposal of E-waste	Medium	High	High
D1.5: Incorporate reusable and recycled materials into municipal road construction and maintenance projects	Medium/Long	Medium	High
D2.7: Provide incentives for use of C&D recycling facilities	Long	High	Low
D3.5: Adopt an Equal Space policy that requires new construction to provide space for source separation of materials for collection	Long	Medium	Low
D3.6: Support Extended Producer Responsibility (EPR) laws for hard-to-recycle items	Long	Low	Medium
D4.3: Ban landfill disposal of reusable and recyclable materials from construction, demolition, and deconstruction (CDD) projects	Long	High*	High*
D4.4: Ban landfill disposal of compostable organics	Long	High	High

Adapted from the EPA's Managing and Transforming Waste Streams Tool; \*adapted from other sources