

Appendix E. Summary of the Analysis and Quantification of StopWaste.org Programs

Specific Practices	GHG Emissions Reductions
I. Sample Measures for Climate Action Plan	
1.1 Transportation Measures	
1.1.1 Discourage Unnecessary Idling	6 tons CO ₂ e per 1 hr per day of idling avoided in 100 buses
1.1.2 Increase Bicycling as an Alternative to Driving	6 tons CO ₂ e per 10,000 VMT shifted
1.1.3 Convert the Municipal Fleet to Biodiesel	190 tons CO ₂ e per 10 city owned diesel trucks converted
1.2 Energy Efficiency Measures	
1.2.1 Promote the Purchase of Energy Star light Fixtures and CFL's	225 tons CO ₂ e per 1000 community members changing one light bulb
1.2.2 Conduct Energy Efficiency Retrofits of Municipal Buildings	245 tons CO ₂ e per 1 million kWh electricity saved and 1,000 therms of natural gas saved
1.3 Renewable Energy Measures	
1.3.1 Offer Incentives and Financing Information for Residential or Municipal Solar PV Projects	0.5 ton CO ₂ e per kW installed
II. Waste Management Practices	
2.1 Business Recycling Programs	
2.1.1 Increase the reuse/recycling of cardboard boxes	3.87 tons CO ₂ e per ton of cardboard reused/recycled
2.1.2 Increase the recycling of plastic film (LDPE)	1.9 tons CO ₂ e per ton of LDPE (plastic film) recycled
2.1.3 Increase the recycling of paper	4.3 tons CO ₂ e per ton of general paper recycled
2.1.4 Increase the reutilization of reusable plastic pallets instead of wood pallets	800 lbs CO ₂ e per reusable plastic pallet
2.1.5 Duplex copying	1.9 tons CO ₂ e for every 2000 reams of paper double sided
2.1.6 Increase commercial food waste composting instead of landfilling	1.01 tons of CO ₂ e per ton of food waste
2.2. Bay Friendly Landscaping	
2.2.1 Keep green waste out of landfill	2.5 tons of CO ₂ e per acre per year
2.2.2 Keep green waste on site so that transportation to the landfill is avoided.	1.15 tons of CO ₂ e per acre per year (2,300 lbs of CO ₂ e per year)
2.2.3 Avoid use of trimming and mowing	315 lbs of CO ₂ e per acre per year

equipment.	
2.2.4 Reduce irrigation by choosing appropriately sized lawns, choosing appropriate plant species, and using compost and mulch	54 lbs CO ₂ e per year per single family home
2.2.5.Plant trees strategically around a building/site	147 lbs CO ₂ e for each tree that shades an air conditioner
2.3 Green Buildings	
2.3.1 Emissions Reductions from a Model GreenPoint Rated New Home.	2.5 tons of CO ₂ e per year per new home
2.3.2 Emissions Reductions from a Model LEED-Certified Fire Station (8500 sf)	33.8 tons of CO ₂ e per year

Note: The GHG quantification results on this table have to be interpreted looking at the assumptions described in Appendix D.