

# City of Tacoma, Environmental Services

Hi,

I'm listing below some of the City of Tacoma's demonstrable costs associated with collecting and processing batteries covered under the bill at our Household Hazardous Waste Facility. It should be noted that our current agreement with SBK Recycle and Call2Recycle are not contractual, so these costs may change.

Additionally, this cost analysis does not include any costs associated with outreach and education, nor any costs associated with infrastructure expansion to comply as a collector of covered batteries. Education and outreach costs are variable based on the need and our future relationship with a PRO. These costs should be covered if the PRO wants our staff to conduct outreach to our community to help meet their obligations under the law. Any infrastructure expansion should be covered as well to meet the requirements under the law to be a collector.

## Portable Lithium-Ion Batteries (Not including button batteries)

Disposal Method: City of Tacoma collects these batteries at the Recycle Center and from satellite stations around the city. Once collected, the batteries are mixed into a slurry composed of latex paint, woodchip dye, some thickening concrete to make them inert. The labor required to collect the batteries and fill barrels with the inert mixture is quite extensive, as these actions are performed periodically and not all at once. Solid Waste Workers perform collection, Environmental Service Techs create the mixture.

Annual Cost Estimate: \$71,319

### Cost Inputs:

Supplies (Barrels and Concrete): \$12,260

Labor: \$57,671

Disposal: \$1,388

## Medium Format Rechargeable Batteries (Tools mostly)

Disposal Method: These batteries are taped up, packed into large boxes, and picked up by SBK Recycling for free. The labor required to process and package them for SBK is the only cost input.

Annual Cost Estimate: \$5,590

### Cost Inputs (Annual)

Labor: \$5,590

## Button Batteries & Other Very Small Batteries

Disposal Method: Button batteries must be packed in lined boxes ordered in pallets of 50 from Call 2 Recycle. The labor of sorting and taping batteries is quite time consuming and performed only by Environmental Service Techs.

Annual Cost Estimate: \$21,435

Cost Inputs (Annual)

Supplies (Palette of boxes): \$1,200

Labor: \$20,235

Car Batteries

Disposal Method: Car batteries we receive are packed into boxes and taken to budget battery, where we are reimbursed at \$6 per battery. The labor required and revenue received are both minimal and are considered to cancel out.

Annual (Net) Cost Estimate: \$0

Please let me know if you have any questions.

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City of Tacoma, Environmental Services