

Submitted by:

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[ as required by RCW 70A.500.140 ]

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# **Executive Summary**

E-Cycle Washington is a recycling program for unwanted computers, monitors and televisions in Washington State. Individuals, small businesses and others can drop off these electronics for free at E-Cycle Washington collection sites across the state. The Washington Materials Management and Financing Authority (WMMFA) is the administrative organization for E-Cycle Washington.

Electronic products contain toxic materials that should be kept out of the landfill, and valuable materials that can be recycled. The Washington State legislature enacted the Electronic Product Recycling Act (70A.500 RCW) to establish this convenient recycling program, and to protect human health and the environment. This law requires manufacturers of the products accepted by E-Cycle Washington to finance the collection, transportation, recycling and administration of the program.

#### **HIGHLIGHTS**

In 2022, E-Cycle Washington collected over 13.3 million pounds of electronics. E-Cycle Washington has collected more than 453 million pounds of electronics since it began operations on January 1, 2009.

Electronics can be dropped off for free at over 230 collection sites in Washington. This voluntary network of collection sites is comprised of retailers, non-profit organizations, local government facilities and others. Some cities also hold recycling collection events where electronics are accepted for recycling from the public for free.

#### SIGNATURE

This annual report was prepared as required by WAC 173-900-800 and submitted electronically to the Washington State Department of Ecology on March 1, 2023.

Peter Thermos Executive Director, WMMFA





### COVERED ELECTRONIC PRODUCTS (CEPS) COLLECTED

Including Orphan Products

| CEP Pounds Collected by County |   |   | CEP Pounds Collected by County by CEP Type |          |             | СЕР Туре  |
|--------------------------------|---|---|--|----------|-------------|-----------|
| WA State<br>County             | Pounds<br>Collected 2022<br>Excluding Reuse | Percent of<br>Total Pounds<br>by County | Computers                                  | Monitors | Televisions | Total     |
| Adams                          | 13,790                                      | 0.1%                                    | 6,930                                      | -        | 6,860       | 13,790    |
| Asotin                         | 37,700                                      | 0.3%                                    | 4,788                                      | 6,715    | 26,197      | 37,700    |
| Benton                         | 242,043                                     | 1.8%                                    | 44,895                                     | 33,424   | 163,724     | 242,043   |
| Chelan                         | 84,904                                      | 0.6%                                    | 12,722                                     | 7,278    | 64,904      | 84,904    |
| Clallam                        | 59,349                                      | 0.4%                                    | 2,747                                      | 7,339    | 49,263      | 59,349    |
| Clark                          | 897,567                                     | 6.7%                                    | 90,695                                     | 85,385   | 721,487     | 897,567   |
| Columbia                       | -   | 0.0%                                    | -  | -        | -           | -         |
| Cowlitz                        | 249,755                                     | 1.9%                                    | 22,052                                     | 20,062   | 207,641     | 249,755   |
| Douglas                        | 20,645                                      | 0.2%                                    | 2,364                                      | 3,856    | 14,425      | 20,645    |
| Ferry                          | 19,083                                      | 0.1%                                    | 1,628                                      | 915      | 16,540      | 19,083    |
| Franklin                       | 70,171                                      | 0.5%                                    | 7,850                                      | 10,923   | 51,398      | 70,171    |
| Garfield                       | 5,209                                       | 0.0%                                    | 920  | 746      | 3,543       | 5,209     |
| Grant                          | 44,270                                      | 0.3%                                    | 8,007                                      | 6,283    | 29,980      | 44,270    |
| Grays Harbor                   | 137,909                                     | 1.0%                                    | 13,682                                     | 17,347   | 106,880     | 137,909   |
| Island                         | 243,361                                     | 1.8%                                    | 30,858                                     | 23,967   | 188,536     | 243,361   |
| Jefferson                      | 89,649                                      | 0.7%                                    | 10,523                                     | 8,981    | 70,145      | 89,649    |
| King                           | 4,903,654                                   | 36.8%                                   | 531,890                                    | 729,799  | 3,641,965   | 4,903,654 |
| Kitsap                         | 389,926                                     | 2.9%                                    | 25,848                                     | 36,006   | 328,072     | 389,926   |
| Kittitas                       | 29,674                                      | 0.2%                                    | 1,373                                      | 3,669    | 24,632      | 29,674    |
| Klickitat                      | 31,431                                      | 0.2%                                    | 8,558                                      | 1,891    | 20,982      | 31,431    |
| Lewis                          | 89,286                                      | 0.7%                                    | 5,115                                      | 9,309    | 74,862      | 89,286    |
| Lincoln                        | 14,862                                      | O.1%                                    | 1,584                                      | 2,061    | 11,217      | 14,862    |
| Mason                          | 89,730                                      | 0.7%                                    | 1,530                                      | 8,941    | 79,259      | 89,730    |

# **POUNDS COLLECTED BY COUNTY**

Including Orphan Products

| CEP Pounds Collected by County |   |   | CEP Pounds Collected by County by CEP Type |           |             | СЕР Туре   |
|--------------------------------|---|---|--|-----------|-------------|------------|
| WA State<br>County             | Pounds<br>Collected 2022<br>Excluding Reuse | Percent of<br>Total Pounds<br>by County | Computers                                  | Monitors  | Televisions | Total      |
| Okanogan                       | 25,316                                      | 0.2%                                    | 5,596                                      | 3,883     | 15,837      | 25,316     |
| Pacific                        | 32,787                                      | 0.2%                                    | 3,533                                      | 1,427     | 27,827      | 32,787     |
| Pend Oreille                   | 31,499                                      | 0.2%                                    | 3,357                                      | -         | 28,142      | 31,499     |
| Pierce                         | 1,237,679                                   | 9.3%                                    | 87,926                                     | 210,828   | 938,925     | 1,237,679  |
| San Juan                       | 52,400                                      | 0.4%                                    | 8,980                                      | 3,534     | 39,886      | 52,400     |
| Skagit                         | 304,177                                     | 2.3%                                    | 27,814                                     | 24,932    | 251,431     | 304,177    |
| Skamania                       | 28,395                                      | 0.2%                                    | 725  | 3,016     | 24,654      | 28,395     |
| Snohomish                      | 1,843,352                                   | 13.8%                                   | 159,810                                    | 196,613   | 1,486,929   | 1,843,352  |
| Spokane                        | 695,620                                     | 5.2%                                    | 130,165                                    | 149,739   | 415,716     | 695,620    |
| Stevens                        | 20,645                                      | 0.2%                                    | 2,364                                      | 3,856     | 14,425      | 20,645     |
| Thurston                       | 270,360                                     | 2.0%                                    | 9,646                                      | 37,027    | 223,687     | 270,360    |
| Wahkiakum                      | -   | 0.0%                                    | -  | -         | -           | -          |
| Walla Walla                    | 145,878                                     | 1.1%                                    | 18,191                                     | 19,324    | 108,363     | 145,878    |
| Whatcom                        | 487,320                                     | 3.7%                                    | 67,399                                     | 72,762    | 347,159     | 487,320    |
| Whitman                        | 64,983                                      | 0.5%                                    | 9,042                                      | 7,290     | 48,651      | 64,983     |
| Yakima                         | 307,868                                     | 2.3%                                    | 33,601                                     | 48,876    | 225,391     | 307,868    |
| Total                          | 13,312,247                                  | 100.0%                                  | 1,404,708                                  | 1,808,004 | 10,099,535  | 13,312,247 |

### LARGE QUANTITIES FROM SCHOOL DISTRICTS, SMALL GOVERNMENT AND SMALL BUSINESS

Total Pounds Received in Large Quantities from School Districts, Small Businesses and Small Governments.

| TELEVISIONS         |        |
|---------------------|--------|
| School District TV  | 8,039  |
| Small Business TV   | 24,776 |
| Small Government TV | 12,084 |
| Total Televisions   | 44,899 |

| MONITORS                  |        |
|---------------------------|--------|
| School District Monitors  | 25,175 |
| Small Business Monitors   | 23,300 |
| Small Government Monitors | 6,632  |
| Total Monitors            | 55,107 |

| COMPUTERS                  |                 |        |
|----------------------------|-----------------|--------|
| School District Computers  |                 | 56,329 |
| Small Business Computers   |                 | 23,656 |
| Small Government Computers |                 | 4,975  |
|                            | Total Computers | 84,960 |

**TOTAL CEPs** 

184,966

# **NON-PROFIT POUNDS BY COLLECTOR**

Total weight of Covered Electronic Products (CEPs) received from non-profit charitable organizations.

| NON-PROFIT NAME                  | CEP POUNDS |
|----------------------------------|------------|
| All Shred                        | 6,400      |
| Anacortes Aktion Club            | 26,957     |
| Deseret Industries - Puyallup    | 18,663     |
| Deseret Industries - Shoreline   | 77,605     |
| Goodwill Everett                 | 1,235,356  |
| Goodwill Pasco                   | 260,958    |
| Goodwill Seattle                 | 1,184,840  |
| Goodwill Spokane                 | 534,501    |
| Goodwill Tacoma                  | 1,014,966  |
| Goodwill Vancouver               | 372,287    |
| Goodwill Wenatchee               | 69,506     |
| Green Okanogan                   | 8,618      |
| Interconnection.org              | 170,626    |
| Methow Recycles                  | 9,901      |
| Orcas Recycling Services         | 17,362     |
| Salvation Army - Spokane Valley  | 13,212     |
| Salvation Army - Yakima          | 10,839     |
| St. Vincent De Paul - Bremerton  | 16,122     |
| St. Vincent De Paul - Everett    | 11,350     |
| St. Vincent De Paul - Monroe     | 24,952     |
| St. Vincent De Paul - Seattle    | 36,306     |
| St. Vincent De Paul - Tacoma     | 19,669     |
| Stanwood-Camano Kiwanis          | 21,061     |
| Sunnyside Christian Thrift Store | 12,274     |
| Union Gospel Mission - Yakima    | 23,329     |
| TOTAL NON-PROFIT POUNDS:         | 5,197,660  |

These collection sites accepted covered electronics for recycling at no charge in 2022.

| Collector Name                                   | Address                      | City           | County  |
|--|------------------------------|----------------|---------|
| Bruce Transfer Station                           | 504 S Lucy Rd                | Othello        | Adams   |
| Gigamedics                                       | 213 W Main                   | Ritzville      | Adams   |
| Ritzville Transfer Station                       | 1803 E Danekas Rd            | Ritzville      | Adams   |
| CEP Recycle Asotin County                        | 2901 6th Avenue              | Clarkston      | Asotin  |
| Clayton-Ward Company Kennewick                   | 119 E Albany Ave             | Kennewick      | Benton  |
| Goodwill Columbia Center Mall<br>Donation Center | 100 Columbia Center Blvd     | Kennewick      | Benton  |
| Goodwill Kave                                    | 2618 W Kennewick Ave         | Kennewick      | Benton  |
| Goodwill Kennewick Store                         | 345 S Columbia Center Blvd   | Kennewick      | Benton  |
| Clayton-Ward Company Richland                    | 1936 Saint St                | Richland       | Benton  |
| Goodwill Albertsons Donation Center              | 690 Gage Blvd                | Richland       | Benton  |
| Goodwill Richland                                | 201 Wellsian Way             | Richland       | Benton  |
| Goodwill KK Donation Center                      | 3250 Kennedy Rd              | West Richland  | Benton  |
| Stay Tan West                                    | 3680 W Van Giesen            | West Richland  | Benton  |
| Goodwill Wenatchee Store                         | 830 S. Mission St            | Wenatchee      | Chelan  |
| Pacific Power Batteries Wenatchee                | 742 S. Mission St            | Wenatchee      | Chelan  |
| Goodwill Port Angeles Store                      | 603 S Lincoln St             | Port Angeles   | Clallam |
| Goodwill Sequim Store                            | 680 W Washington St, Ste C   | Sequim         | Clallam |
| Goodwill Battleground Store                      | 101 NW 20th Ave              | Battleground   | Clark   |
| Central Transfer and Recycling Center            | 11034 NE 117th Avenue        | Vancouver      | Clark   |
| Goodwill Fishers Landing Store                   | 1200 SE 162nd Pl             | Vancouver      | Clark   |
| Goodwill Hazel Dell Store                        | 1600 NE 78th St              | Vancouver      | Clark   |
| Goodwill Orchards Store                          | 14201 NE Fourth Plain Blvd   | Vancouver      | Clark   |
| Goodwill Salmon Creek Store                      | 14300 NE 20th Ave            | Vancouver      | Clark   |
| Goodwill Vancouver Outlet                        | 9021 NE 117th Ave            | Vancouver      | Clark   |
| Goodwill Vancouver Store                         | 6425 NE Fourth Plain         | Vancouver      | Clark   |
| West Vancouver Materials Recovery Center         | 6601 NW Old Lower River Road | Vancouver      | Clark   |
| Washougal Transfer Station                       | 4020 S. Grant Street         | Washougal      | Clark   |
| Columbia County Transfer Station                 | 501 S Cottonwood             | Dayton         | Columbi |
| Goodwill Longview Store                          | 1030 15th Avenue             | Longview       | Cowlitz |
| Waste Control Recycling                          | 1150 3rd Ave                 | Longview       | Cowlitz |
| Goodwill East Wenatchee Store                    | 620 Grant Road               | East Wenatchee | Douglas |
| Inchelium Community Center                       | 14 Community Center Loop Rd  | Inchelium      | Ferry   |

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| Collector Name                                   | Address                             | City          | County       |
|--|-------------------------------------|---------------|--------------|
| Keller Community Center                          | 11669 S. Highway 21                 | Keller        | Ferry        |
| Torboy Transfer Station                          | 105 Torboy Dump Road                | Republic      | Ferry        |
| Goodwill Pasco Outlet                            | 307 W. Columbia St                  | Pasco         | Franklin     |
| Goodwill Pasco Road 68                           | 5115 N Road 68                      | Pasco         | Franklin     |
| Goodwill Pasco Store                             | 3521 W. Court Street                | Pasco         | Franklin     |
| CEP Recycle Garfield County                      | 209 S 10th St                       | Pomeroy       | Garfield     |
| Consolidated Disposal Service                    | 2370 Basin St SW                    | Ephrata       | Grant        |
| CDSI Transfer & Recycle                          | 9524 Rd 7 NE                        | Moses Lake    | Grant        |
| Goodwill Moses Lake Store                        | 789 North Central Drive             | Moses Lake    | Grant        |
| Goodwill Aberdeen Store                          | 1103 East Wishkah Blvd              | Aberdeen      | Grays Harbor |
| Pay More Recycle and<br>Salvage Inc. Aberdeen    | 1813 Westport Road                  | Aberdeen      | Grays Harbor |
| Waste Connections Inc dba<br>Aberdeen Sanitation | 29 Gavett Lane                      | Montesano     | Grays Harbor |
| Camano Island Transfer<br>Station & Recycle Park | 75 E. Camano Hill Road              | Camano Island | Island       |
| Coupeville Island Recycling                      | 20018 SR 20                         | Coupeville    | Island       |
| Freeland Island Recycling                        | 20014 SR 525                        | Freeland      | Island       |
| North Whidbey Drop Box Station                   | 3151 N. Oak Harbor Road             | Oak Harbor    | Island       |
| Goodwill Port Townsend Store                     | 602 Howard St                       | Port Townsend | Jefferson    |
| The Recycle Center                               | 301 County Landfill Rd              | Port Townsend | Jefferson    |
| Goodwill Auburn Store                            | 1519 Auburn Way S                   | Auburn        | King         |
| Living Green Technology                          | 1720 Pike Street NW, Suite 4        | Auburn        | King         |
| Rain City Recycling, LLC                         | 4150 B Pl NW Suite 103              | Auburn        | King         |
| UpTeKK   | 101 Lund Rd                         | Auburn        | King         |
| VIDEO ONLY - Bellevue                            | 14339 NE 20th St                    | Bellevue      | King         |
| Goodwill Burien Store                            | 1031 SW 128th Street                | Burien        | King         |
| St Vincent de Paul 1st Ave S                     | 13445 1st Ave South                 | Burien        | King         |
| Value Village Burien                             | 131 SW 157th St                     | Burien        | King         |
| Enumclaw Recyclers                               | 2032 Garrett St., Ste. A            | Enumclaw      | King         |
| Goodwill Federal Way Store                       | 32521 Pacific Hwy S                 | Federal Way   | King         |
| VIDEO ONLY - Federal Way                         | 1643 S. 352nd St                    | Federal Way   | King         |
| Goodwill Issaquah Donation Site                  | 970 7th Ave. NW                     | Issaquah      | King         |
| Value Village Issaquah                           | 5530 East Lake Sammamish Parkway SE | Issaquah      | King         |
| St Vincent de Paul Bothell Way NE                | 7304 Bothell Way NE                 | Kenmore       | King         |
| 3R Technology                                    | 8002 S 208th St. Unit E105          | Kent          | King         |

| Collector Name  | Address                               | City          | County |
|---|---------------------------------------|---------------|--------|
| EWC Group, Inc  | Kent 228 Building B, 22633 83rd Ave S | Kent          | King   |
| Goodwill Kent 360                                     | 315 Washington Ave S                  | Kent          | King   |
| St Vincent de Paul Kent                               | 310 Central Ave N                     | Kent          | King   |
| Total Reclaim   | 7021 South 220th St                   | Kent          | King   |
| Value Village Kent                                    | 24034 104th Ave SE                    | Kent          | King   |
| Busby Junk Removal                                    | (pick-up only)                        | Kirkland      | King   |
| Goodwill Juanita Store                                | 9826 NE 132nd Street                  | Kirkland      | King   |
| Goodwill Totem Lake Donation Center                   | 12221 120th Avenue NE                 | Kirkland      | King   |
| Pacific Power Batteries of Kirkland                   | 13205 NE 124th St #A                  | Kirkland      | King   |
| Goodwill Maple Valley Store                           | 27077 Maple Valley/Black Diamond Hwy  | Maple Valley  | King   |
| E-Recycle Mercer Island Site                          | 7835 SE 30th Street                   | Mercer Island | King   |
| Goodwill Redmond (Bellevue) Store                     | 15301 NE 24th Street                  | Redmond       | King   |
| Goodwill Renton Store                                 | 3210 NE Sunset Blvd                   | Renton        | King   |
| Green Label Recycling                                 | 927 thomas ave sw                     | renton        | King   |
| St Vincent de Paul Renton                             | 575 Rainier Ave N                     | Renton        | King   |
| Goodwill Sammamish Donation Center                    | 228th NE and NE 8th                   | Sammamish     | King   |
| EcoLights Northwest                                   | 1915 South Corgiat Drive              | Seattle       | King   |
| Friendly Earth International Inc.                     | 1560 1st Avenue South                 | Seattle       | King   |
| Goodwill Ballard Donation Center                      | 2400 NW 85th St                       | Seattle       | King   |
| Goodwill Ballard Store                                | 6400 8th Avenue NW                    | Seattle       | King   |
| Goodwill Capitol Hill                                 | 115 Belmont Avenue East               | Seattle       | King   |
| Goodwill North Transfer Station                       | 1350 N. 34th Street                   | Seattle       | King   |
| Goodwill Ravenna Donation Center                      | 4637 Union Bay Place NE               | Seattle       | King   |
| Goodwill Seattle Store                                | 1400 South Lane St                    | Seattle       | King   |
| Goodwill South Lake Union                             | 411 Westlake Avenue North             | Seattle       | King   |
| Goodwill University District<br>Store Donation Center | 4552 University Way NE                | Seattle       | King   |
| InterConnection Charitable<br>Reuse & Recycling       | 1121 N 35th St.                       | Seattle       | King   |
| RE-PC Seattle   | 1565 Sixth Avenue South               | Seattle       | King   |
| St Vincent de Paul 4th Ave S                          | 5950 4th Ave. S                       | Seattle       | King   |
| Deseret Industries - Shoreline                        | 17935 Aurora Ave N                    | Shoreline     | King   |
| Goodwill Shoreline Store                              | 14500 15th Avenue NE                  | Shoreline     | King   |
| The Salvation Army Thrift Store, Shoreline            | 15403 Westminster Wy N                | Shoreline     | King   |
| Goodwill Tukwila Store                                | 1174 Andover Park West                | Tukwila       | King   |
| RE-PC Tukwila   | 600 Andover Park East                 | Tukwila       | King   |

| Collector Name                                      | Address                                  | City         | County      |
|---|--|--------------|-------------|
| The Salvation Army Thrift Store, Tukwila            | 16705 Southcenter Pkwy                   | Tukwila      | King        |
| Value Village Tukwila                               | 16700 Southcenter Parkway                | Tukwila      | King        |
| Video Only - Tukwila                                | 290 Andover Park E                       | TUKWILA      | King        |
| Goodwill Woodinville Donation Center                | 17524 131st Ave NE                       | Woodinville  | King        |
| Goodwill Woodinville P&R Donation Center            | 17800 140th Avenue NE                    | Woodinville  | King        |
| PC Recycle - Woodinville                            | 5817 238th St SE                         | Woodinville  | King        |
| Value Village Woodinville                           | 14160 NE Woodinville Duval Road          | Woodinville  | King        |
| Bainbridge Island Recycling &<br>Garbage Facility   | 7215 Vincent Rd                          | Bainbridge   | Kitsap      |
| Goodwill Bainbridge Island Don. Center              | NE High School Road                      | Bainbridge   | Kitsap      |
| Bremerton St. Vincent dePaul                        | Corner of 13th and Wycoff                | Bremerton    | Kitsap      |
| Goodwill Bremerton Store                            | 4209 Wheaton Way                         | Bremerton    | Kitsap      |
| Olympic View Transfer Station                       | 9380 SW Barney White Rd                  | Bremerton    | Kitsap      |
| Peninsula All Shred                                 | 5800 W. Werner Rd. Ste B                 | Bremerton    | Kitsap      |
| Goodwill Port Orchard Store                         | 1720 SE Mile Hill Road                   | Port Orchard | Kitsap      |
| Goodwill Silverdale Store                           | 10001 Mickelberry Rd NW                  | Silverdale   | Kitsap      |
| Goodwill Ellensburg Store                           | 400 W. Washington Avenue                 | Ellensburg   | Kittitas    |
| Republic Services Div 4178 -<br>Goldendale Transfer | 1205 W Broadway                          | Goldendale   | Klickitat   |
| Goodwill Centralia Store                            | 519 Harrison Ave                         | Centralia    | Lewis       |
| Tiger Mountain Technologies                         | 208 2nd St                               | Morton       | Lewis       |
| Lincoln County Transfer Station                     | 34735 SR 2 E.                            | Davenport    | Lincoln     |
| Goodwill Shelton Store                              | 301 Wallace Kneeland Plaza Blvd Ste. 210 | Shelton      | Mason       |
| Pay More Recycle and Salvage Inc Shelton            | 2278 East Brockdale Road                 | Shelton      | Mason       |
| Delano Regional Transfer Station                    | 22152 Alcan Dr NE                        | Grand Coulee | Okanogan    |
| Nespelem Recycling Center                           | 64 Schoolhouse Loop Rd                   | Nespelem     | Okanogan    |
| Omak Community Center                               | 5th Ave E. Benton St                     | Omak         | Okanogan    |
| Sunrise Main  | 330 Ferry St                             | Omak         | Okanogan    |
| Green Okanogan                                      | 3 Rodeo Rd                               | Tonasket     | Okanogan    |
| Methow Recycles                                     | 12 Twisp Airport Rd                      | Twisp        | Okanogan    |
| Pacific Solid Waste Disposal                        | 4404 67th Pl                             | Long Beach   | Pacific     |
| Royal Heights Transfer Station                      | 876 State Route 105                      | Raymond      | Pacific     |
| Ione Transfer Station                               | 1712 Sullivan Lake Road                  | lone         | Pend Oreill |
| Newport Transfer Station                            | 9494 Deer Valley Rd                      | Newport      | Pend Oreill |
| Usk Transfer Station                                | 661 Jared                                | Usk          | Pend Oreill |
| Goodwill Bonney Lake Store                          | 21153 Hwy 410 E                          | Bonney Lake  | Pierce      |

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| Collector Name                          | Address                    | City             | County    |
|---|----------------------------|------------------|-----------|
| Joint Base Lewis-McChord Recycle Center | Bldg 5290                  | Ft Lewis         | Pierce    |
| Goodwill Gig Harbor Store               | 5500 Olympic Dr NW, Bldg E | Gig Harbor       | Pierce    |
| Upgrade Stations                        | 9644 Bujacich Rd           | Gig Harbor       | Pierce    |
| Goodwill Lakewood Store                 | 6002 Mount Tacoma Dr SW    | Lakewood         | Pierce    |
| McChord Recycling Center                | Bldg 516 South Gate Road   | McChord AFB      | Pierce    |
| Deseret Industries - Puyallup           | 716 South Hill Park Drive  | Puyallup         | Pierce    |
| Goodwill Puyallup Store                 | 1200 4th Street NW         | Puyallup         | Pierce    |
| Goodwill South Hill Store               | 12915 Meridian Ave E       | Puyallup         | Pierce    |
| Value Village Puyallup                  | 1124 River Road            | Puyallup         | Pierce    |
| Goodwill Spanaway Store                 | 14918 Pacific Ave. S       | Spanaway         | Pierce    |
| Goodwill 38th Street Store              | 3121 South 38th St         | Tacoma           | Pierce    |
| Goodwill North Tacoma Store             | 5401 6th Ave, Ste 600      | Tacoma           | Pierce    |
| Goodwill South Tacoma Store             | 8025 S Hosmer St           | Tacoma           | Pierce    |
| Goodwill Tacoma Outlet Store            | 3120 S Pine St             | Tacoma           | Pierce    |
| Green PC                                | 3627 S 54th St             | Tacoma           | Pierce    |
| Oakland Affordable Computers            | 3901 Center St             | Tacoma           | Pierce    |
| Recycling Resources                     | 5317 131st Street Ct E     | Tacoma           | Pierce    |
| St. Vincent de Paul S. 56th St.         | 4009 S. 56th st.           | Tacoma           | Pierce    |
| Video Only Tacoma                       | 2218 S. 41st St            | Tacoma           | Pierce    |
| Value Village University Place          | 6802 19th St W             | University Place | Pierce    |
| Orcas Recycling Services                | 3398 Orcas Road            | Eastsound        | San Juan  |
| San Juan Transfer Station               | 212 Sutton Road            | Friday Harbor    | San Juan  |
| Lopez Solid Waste Disposal District     | 2419 Fisherman Bay Road    | Lopez Island     | San Juan  |
| Anacortes Aktion Club                   | 1911 Commercial Ave        | Anacortes        | Skagit    |
| Goodwill Mount Vernon Store             | 242 East College Way       | Mount Vernon     | Skagit    |
| Pacific Power Batteries Mount Vernon    | 107 E Cedar St             | Mount Vernon     | Skagit    |
| Clutter Cops Warehouse                  | 13213 Farm to Market Rd    | Mt Vernon        | Skagit    |
| Sedro-Woolley City Recycling Facility   | 1675 third Street          | Sedro-Woolley    | Skagit    |
| Stevenson Transfer Facility             | 1332 Ryan Allen Rd.        | Stevenson        | Skamania  |
| Underwood Transfer Facility             | 1402 Little Buck Creek Rd. | Underwood        | Skamania  |
| Mt. Pleasant Transfer Facilty           | 1111 Mt. Pleasant Rd       | Washougal        | Skamania  |
| Goodwill Edmonds Store                  | 10117 Edmonds Way          | Edmonds          | Snohomisl |
| Goodwill Everett Store                  | 3002 Hoyt Avenue           | Everett          | Snohomis  |
| Goodwill South Everett Store            | 228 SW Everett Mall Way    | Everett          | Snohomis  |
| Pacific Power Batteries Everett         | 3729 Broadway              | Everett          | Snohomis  |

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| Collector Name                                     | Address                      | City              | County    |
|--|------------------------------|-------------------|-----------|
| St. Vincent de Paul Everett                        | 6424 Broadway                | Everett           | Snohomish |
| Value Village Everett                              | 6220 Evergreen Way           | Everett           | Snohomish |
| Truck On Call                                      | (pick-up only)               | Lake Stevens      | Snohomish |
| Goodwill Lynnwood Store                            | 4027 198th Street Southwest  | Lynnwood          | Snohomish |
| Goodwill Martha Lake Donation Center               | 710 164th Street             | Lynnwood          | Snohomish |
| Value Village Lynwood                              | 17216 Hwy 99                 | Lynnwood          | Snohomish |
| Video Only - Lynnwood                              | 19220 Alderwood Mall Parkway | Lynnwood          | Snohomish |
| Goodwill Marysville Store                          | 9315 State Avenue            | Marysville        | Snohomish |
| Pacific Power Batteries Marysville                 | 720 Cedar Ave                | Marysville        | Snohomish |
| The Junkluggers of North Puget Sound               | 3410 64th Ave NE             | Marysville        | Snohomish |
| Value Village Marysville                           | 1334 State Ave               | Marysville        | Snohomish |
| Eman computer Care                                 | 119 West Main St             | Monroe            | Snohomish |
| Goodwill Monroe Store                              | 14751 Chain Lake Road SE     | Monroe            | Snohomish |
| St. Vincent de Paul Monroe                         | 17150 West Main Street       | Monroe            | Snohomish |
| E-Waste, LLC - Mountlake Terrace                   | 22313 70th Ave W Ste L4      | Mountlake Terrace | Snohomish |
| Pacific Power Batteries Mountlake Terrace          | 6702 220th St SW             | Mountlake Terrace | Snohomish |
| Ace Metal Company and Mukilteo<br>Recycling Center | 11110 Mukilteo Speedway #202 | Mukilteo          | Snohomish |
| Appliance Recycling Outlet                         | 10105 Airport Way            | Snohomish         | Snohomish |
| Eman Computer Care                                 | 402 Maple Avenue             | Snohomish         | Snohomish |
| Goodwill Snohomish Donation Center                 | 823 Avenue D                 | Snohomish         | Snohomish |
| Kiwanis Recycle                                    | 27001 94th Dr NW, D1         | Stanwood          | Snohomish |
| North Sound Hauling and Reload Facility            | 6211 234th St SE             | Woodinville       | Snohomish |
| Goodwill Cheney Donation Center                    | 6 South Cheney Spokane Rd    | Cheney            | Spokane   |
| DeVries Business Services                          | 601 E. Pacific               | Spokane           | Spokane   |
| Goodwill Downtown Spokane Donation Ctr             | 130 E Third Avenue           | Spokane           | Spokane   |
| Goodwill North Nevada Store                        | 9832 North Nevada Street     | Spokane           | Spokane   |
| Goodwill NW Blvd Store                             | 1617 W. NW Blvd              | Spokane           | Spokane   |
| Goodwill South Hill Store Donor Service Ctr        | 2929 E. 27th Ave             | Spokane           | Spokane   |
| Goodwill Spokane Warehouse/Outlet                  | 1406 E. Front Ave            | Spokane           | Spokane   |
| The Salvation Army Thrift Store, Spokane           | 2020 N Division              | Spokane           | Spokane   |
| Value Village Spokane W Boone                      | W 708 Boone                  | Spokane           | Spokane   |
| Video Only Spokane                                 | 7755 N. Division St          | Spokane           | Spokane   |
| Goodwill Spokane Valley Store                      | 13721 East Sprague           | Spokane Valley    | Spokane   |
| Inland ReTech                                      | 7203 E. Nora Ave., Ste. 100  | Spokane Valley    | Spokane   |

| Collector Name                                     | Address                        | City           | County      |
|--|--------------------------------|----------------|-------------|
| Recycle Techs                                      | 6810 E. Appleway Blvd          | Spokane Valley | Spokane     |
| Salvation Army Spokane Valley                      | 11211 E Sprague                | Spokane Valley | Spokane     |
| The Salvation Army Thrift Store,<br>Spokane Valley | 11211 E Sprague                | Spokane Valley | Spokane     |
| Value Village Spokane E Sprague                    | 12205 East Sprague Ave         | Spokane Valley | Spokane     |
| Goodwill Colville Store                            | 168 North Main Street          | Colville       | Stevens     |
| Goodwill South Lacey Store                         | 4800 Yelm Highway SE           | Lacey          | Thurston    |
| Value Village Lacey                                | 604 Sleater-Kinney Rd SE       | Lacey          | Thurston    |
| 4th Dimension Computers                            | 3315 Pacific Ave Suite B2      | Olympia        | Thurston    |
| Goodwill Olympia Outlet                            | 4014 Martin Way E              | Olympia        | Thurston    |
| Goodwill Olympia Store                             | 400 Cooper Point Rd SW         | Olympia        | Thurston    |
| Regency Technologies                               | 7827 Arab Dr SE                | Olympia        | Thurston    |
| Midway Recycling                                   | 7834 Old Hwy 99 SE             | Tumwater       | Thurston    |
| State Surplus Tumwater Site                        | 7511 New Market St SW          | Tumwater       | Thurston    |
| Goodwill Yelm Store                                | 906 E Yelm Ave                 | Yelm           | Thurston    |
| Goodwill College Place                             | 1017 NE C St                   | College Place  | Walla Walla |
| CEP Recycle Walla Walla                            | 871 West Rose                  | Walla Walla    | Walla Walla |
| Goodwill Walla Walla Store                         | 217 E. Alder St                | Walla Walla    | Walla Walla |
| Lillie Rice Center, Inc                            | 2616 E. Isaacs Avenue          | Walla Walla    | Walla Walla |
| Walla Walla Recycling                              | 827 North 12th Ave             | Walla Walla    | Walla Walla |
| 1PC LLC  | 809 W. Orchard Drive, Suite 6  | Bellingham     | Whatcom     |
| Goodwill Bellingham Store                          | 1115 East Sunset Drive         | Bellingham     | Whatcom     |
| Value Village Bellingham                           | 150 East Bellis Fair Parkway   | Bellingham     | Whatcom     |
| Recycling & Disposal Services, Inc.                | 4916 LaBounty Dr               | Ferndale       | Whatcom     |
| Goodwill Pullman Donor Service Center              | 815 S Grand Ave                | Pullman        | Whitman     |
| Pullman Disposal Shop                              | 135 NW Harold Dr               | Pullman        | Whitman     |
| Yakima Waste Systems - Granger                     | 340 SR 223                     | Granger        | Yakima      |
| Goodwill Selah Store                               | 503 S First St                 | Selah          | Yakima      |
| Goodwill Sunnyside Store                           | 2840 E. Lincoln Ave            | Sunnyside      | Yakima      |
| Sunnyside Christian Thrift Shop                    | 305 North Ave                  | Sunnyside      | Yakima      |
| Goodwill Union Gap Store                           | 1907 1st Ave S                 | Union Gap      | Yakima      |
| Goodwill Yakima Store                              | 3710 Tieton Drive              | Yakima         | Yakima      |
| The Salvation Army Thrift Store, Yakima            | 9 S 6th Ave                    | Yakima         | Yakima      |
| Union Gospel Mission Yakima                        | 1300 N 1st St                  | Yakima         | Yakima      |
| Yakima Waste Systems - Yakima                      | 2812 1/2 Terrace Heights Drive | Yakima         | Yakima      |

### **COLLECTION EVENTS**

E-Cycle Washington Covered Electronic Products were collected from the public at these events in 2022.

| EVENT HOLDER       | DATE       | LOCATION  |
|--------------------|------------|---|
| BECU Everett       | 4/16/2022  | BECU Everett<br>3900 Broadway<br>Everett, WA 98201                              |
| BECU Everett       | 10/22/2022 | BECU Everett<br>3900 Broadway<br>Everett, WA 98201                              |
| BECU Federal Way   | 4/16/2022  | 411 Pacific Hwy S<br>Federal Way, WA 98003                                      |
| BECU Federal Way   | 10/22/2022 | 411 Pacific Hwy S<br>Federal Way, WA 98003                                      |
| BECU Tukwila       | 4/16/2022  | BECU Tukwila<br>12770 Gateway Dr S<br>Tukwila, WA 98168                         |
| BECU Tukwila       | 10/22/2022 | BECU Tukwila<br>12770 Gateway Dr S<br>Tukwila, WA 98168                         |
| City of Algona     | 4/9/2022   | Algona City Hall Parking Lot<br>200 Washington Blvd.<br>Algona, WA 98011        |
| City of Arlington  | 9/24/2022  | City of Arlington<br>18204 59 <sup>th</sup> Ave NE<br>Arlington, WA 98223       |
| City of Carnation  | 6/11/2022  | Carnation Church of LDS<br>32751 NE 45th St. (Entwistle)<br>Carnation, WA 98104 |
| City of Covington  | 7/21/2022  | Kentwood High School<br>25800 164th Ave SE<br>Covington, WA 98042               |
| City of Covington  | 9/10/2022  | Kentwood High School<br>25800 164th Ave SE<br>Covington, WA 98042               |
| City of Des Moines | 3/26/2022  | Moines Marina<br>22307 Dock Avenue South<br>Des Moines, WA 98198                |

# **COLLECTION EVENTS**

| EVENT HOLDER          | DATE       | LOCATION  |
|-----------------------|------------|---|
| City of Des Moines    | 11/5/2022  | Moines Marina<br>2307 Dock Avenue South<br>Des Moines, WA 98198                         |
| City of Duvall        | 7/16/2022  | Holy Innocents Church<br>26526 NE Cherry Valley Rd<br>Duvall, WA 98019                  |
| City of Kenmore       | 6/11/2022  | Kenmore Lutheran Church<br>6620 NE 185th St<br>Kenmore, WA 98028                        |
| City of Kenmore       | 10/8/2022  | Kenmore Lutheran Church<br>6620 NE 185th St<br>Kenmore, WA 98028                        |
| City of Mercer Island | 10/29/2022 | Mercer Island City Hall<br>9611 SE 36 <sup>th</sup> St<br>Mercer Island, WA 98040       |
| City of New Castle    | 4/2/2022   | Hazelwood Elementary<br>7100 116th Ave SE<br>Newcastle, WA 98056                        |
| City of New Castle    | 9/24/2022  | Hazelwood Elementary<br>7100 116th Ave SE<br>Newcastle, WA 98056                        |
| City of Normandy Park | 5/7/2022   | WA State Criminal Justice<br>Training Center<br>19010 1st Ave South<br>Burien, WA 98148 |
| City of Normandy Park | 10/1/2022  | WA State Criminal Justice<br>Training Center<br>19010 1st Ave South<br>Burien, WA 98148 |
| City of North Bend    | 5/14/2022  | Snoqualmie Middle School<br>9200 Railroad Ave SE<br>Snoqualmie, WA 98065                |
| City of Pacific       | 10/15/2022 | Pacific City Hall Parking Lot<br>100 3rd Avenue SE<br>Pacific, WA 98047                 |
| City of Sammamish     | 4/9/2022   | Eastside Catholic High School<br>232 228th Ave SE,<br>Sammamish, WA 9807                |

# **COLLECTION EVENTS**

| EVENT HOLDER              | DATE       | LOCATION   |
|---------------------------|------------|--|
| City of Sammamish         | 9/18/2022  | Eastside Catholic High School<br>232 228th Ave SE,<br>Sammamish, WA 9807 |
| City of SeaTac            | 5/7/2022   | Tyee High School<br>4424 South 188th St.<br>SeaTac, WA 98188             |
| City of SeaTac            | 10/22/2022 | Tyee High School<br>4424 South 188th St.<br>SeaTac, WA 98188             |
| Lewis County Public Works | 9/24/2022  | Pe Ell Town Hall<br>111 Main St<br>Pe Ell, WA 98572                      |
| Lewis County Public Works | 10/8/2022  | Winlock Drop Box<br>1105 Winlock-Vader Road<br>Winlock, WA 98596         |
| Quincy Valley Lions Club  | 4/10/2022  | City of Quincy<br>128 Division St W<br>Quincy, WA 98848                  |



# **OTHER COLLECTION SERVICES**

Collection services for covered electronic products are required in all Washington State counties and cities with a population greater than 10,000 (RCW 70A.500.090).

| City, Town or<br>County | City or Town<br>Population* | CEP Collection Service (2022)   |
|-------------------------|-----------------------------|---|
| Airway Heights          | 11,040                      | Collection sites are located in Spokane approximately 10 miles away.                                    |
| Arlington               | 21,260                      | Collection event completed.   |
| Bothell                 | 48,940                      | Collection sites and events are available in the adjacent city of Kenmore.                              |
| Camas                   | 27,250                      | A collection site is available in the adjacent city of Washougal.                                       |
| Cheney                  | 12,920                      | Collection sites are available approximately 14 miles away in Spokane                                   |
| Dupont                  | 10,180                      | Collection sites are available approximately 8 miles away in Lakewood                                   |
| Covington               | 21,200                      | Collection events completed.  |
| Des Moines              | 33,160                      | Collection events completed.  |
| Edgewood                | 13,520                      | Collection sites are available in the adjacent city of Puyallup.  |
| Fife                    | 11,130                      | Collection sites are available in the adjacent cities of Tacoma and Puyallup.                           |
| Grandview               | 11,020                      | Collection sites are available approximately 8 miles away in Sunnysid                                   |
| Kelso                   | 12,720                      | A collection site is available in the adjacent city of Longview.  |
| Kenmore                 | 24,090                      | Collection event completed.   |
| Lake Forest Park        | 13,620                      | Collection sites are available in the adjacent city of Shoreline.                                       |
| Lake Stevens            | 40,700                      | Collection sites are available in the adjacent cities of Marysville and Snohomish.                      |
| Liberty Lake            | 12,870                      | Collection sites are available approximately 7 miles away in Spokane Valley.                            |
| Lynden                  | 16,150                      | Collection sites are available approximately 13 miles away in Ferndale and 15 miles away in Bellingham. |
| Mill Creek              | 21,510                      | A collection site is available approximately 2 miles away in Lakewood                                   |
| Newcastle               | 13,560                      | Collection event completed.   |
| Poulsbo                 | 12,180                      | A collection site is available approximately 8 miles away in Silverdale.                                |
| Ridgefield              | 13,640                      | Collection sites are available approximately 7 miles away in Vancouve and Battleground.                 |
| Sammamish               | 68,150                      | Collection events completed.  |
| SeaTac                  | 31,910                      | Collection events completed.  |
| Snoqualmie              | 14,490                      | Collection event completed.   |
| Sumner                  | 10,800                      | Collection sites are available in the adjacent city of Puyallup.  |
| Tumwater                | 26,360                      | Collection sites are available approximately 3 miles away in Olympia                                    |
| Wahkiakum<br>County     | N/A                         | A collection site is available in Long Beach approximately 30 miles outside of the county.              |

E-CYCLE WASHINGTON 2022 ANNUAL REPORT

\* State of Washington Office of Financial Management, 2022

### **RECYCLED POUNDS BY PROCESSOR**

Including Un-recycled Residuals and Reuse

|  | ACE METAL<br>COMPANY | E-<br>WASTE | ERI | EWC<br>GROUP | METRO<br>METALS<br>TACOMA | METRO<br>METALS<br>VANCOUVER | URT     | 2022<br>TOTAL |         |
|--|----------------------|-------------|-----|--------------|---------------------------|------------------------------|---------|---------------|---------|
|  |                      |             |     | P            | OUNDS                     |                              |         |               | %       |
| CEP pounds<br>recycled by each<br>processor and<br>on hand<br>awaiting<br>processing     | 3,055,821            | 1,829,829   | 0   | 2,052,873    | 2,653,196                 | 2,378,724                    | 376,872 | 12,347,315    | 92.75%  |
| CEP pounds<br>processor sent<br>to reuse through<br>refurbishment<br>or re-sale          | 0                    | 0           | 0   | 0            | 0                         | 0                            | 0       | 0             | 0.00%   |
| Un-recycled<br>residuals such<br>as wood,<br>un-recyclable<br>plastic and<br>floor sweep | 439,222              | 73,200      | 0   | 25,789       | 181,747                   | 229,469                      | 15,505  | 964,932       | 7.25%   |
| TOTAL  | 3,495,043            | 1,903,029   | 0   | 2,078,662    | 2,843,943                 | 2,608,193                    | 392,377 | 13,312,247    | 100.009 |



### **PROCESSOR PROCESSES AND METHODS**

Processing methods and locations of all registered, participating electronic waste processors that were utilized in 2022.

| ACE METAL COMPANY, 11110 MUKILTEO SPEEDWAY #202, MUKILTEO, WA 98275<br>(425) 493-6802 |  |   |  |  |  |
|---|--|---|--|--|--|
| Material Of<br>Concern  | Recycling Process  | Fate of<br>Recycling Process  | End of life<br>processing-<br>Destnation Country |  |  |
| CRT Glass   | Removed from CEP by hand dismantling. Panel and funnel separated and all metal removed | Materials reused in<br>concrete products,<br>Separated, smelted and<br>used for glass tiles and<br>other products | Korea  |  |  |
| Circuit Boards  | Removed from CEP by hand dismantling   | Precious metals recovery  | Japan  |  |  |
| Batteries   | Hand removed from CEP, and sorted by type and packaged                                 | Make new batteries  | USA  |  |  |
| Mercury Devices   | Hand removed from CEP, managed as universal waste                                      | Retort,<br>Mercury Recovery   | USA  |  |  |
| Non-Materials<br>of Concern   | Recycling Process  | Fate of<br>Recycling Process  | Destination                                      |  |  |
| Steel   | Hand removed from CEP and sorted   | Metal Recovery  | USA  |  |  |
| Plastics  | Hand removed from CEP and sorted   | Plastic Recovery  | Malaysia   |  |  |
| Insulated Wire  | Hand removed from CEP and sorted   | Metal Recovery  | USA  |  |  |
| Aluminum  | Hand removed from CEP and sorted   | Metal Recovery  | USA  |  |  |
| Wood  | Hand removed from CEP and sorted   | Wood Recovery   | USA  |  |  |

#### E-WASTE LLC, 12424 BEVERLY PARK RD SUITE A-4, LYNNWOOD, WA 98036 (425) 239-4118

| Material Of<br>Concern         | Recycling Process  | Fate of<br>Recycling Process                                | End of life<br>processing-<br>Destnation Country |  |  |
|--------------------------------|--|---|--|--|--|
| CRT Glass                      | It is removed from CRT TV's and monitors during disassembly process    | Product manufacturing<br>for production<br>of ceramic tiles | Korea  |  |  |
| Circuit Boards                 | Removed from CEP by hand-dismantling                                   | Precious metals recovery                                    | Belgium, Korea                                   |  |  |
| Batteries                      | Removed manually and sorted by type.                                   | Metal Recovery  | USA, Canada                                      |  |  |
| Mercury<br>Containing<br>Lamps | Hand-removed from CEP by hand dismantling, managed as universal waste. | Mercury Recovery  | USA  |  |  |
| Non-Materials<br>of Concern    | Recycling Process  | Fate of<br>Recycling Process                                | Destination                                      |  |  |
| Steel                          | Removed from CEP by hand-dismantling.                                  | Metal Recovery  | USA  |  |  |
| Plastics                       | Removed from CEP by hand-dismantling.                                  | Plastic Recovery  | Malaysia   |  |  |
| Insulated wire                 | Removed from CEP by hand-dismantling.                                  | Metal Recovery  | Japan  |  |  |
| Aluminum                       | Removed from CEP by hand-dismantling.                                  | Metal Recovery  | Japan  |  |  |

### **PROCESSOR PROCESSES AND METHODS**

| EWC GROUP, 410 ANDOVER PARK E., TUKWILA, WA 98188<br>(206) 767-9950 |  |   |  |  |  |
|---|--|---|--|--|--|
| Material Of<br>Concern  | Recycling Process  | Fate of<br>Recycling Process  | End of life<br>processing-<br>Destnation Country |  |  |
| CRT Glass   | Manually removed from CEP; separate panels,<br>metals, and all other residuals | Glass to glass; all<br>materials reused in new<br>glass products or tiles | Mexico, South Korea                              |  |  |
| Circuit Boards  | Manually removed from CEP  | Primary smelter for precious metal recovery                               | USA, Japan                                       |  |  |
| Batteries   | Manually removed from CEP and sorted by type                                   | Metal Recovery  | USA  |  |  |
| Mercury Devices   | Manually removed from CEP and managed as<br>Universal Waste                    | Mercury recovery  | USA  |  |  |
| Non-Materials<br>of Concern   | Recycling Process  | Fate of<br>Recycling Process  | Destination                                      |  |  |
| Steel   | Manually removed from CEP  | Metal recovery  | USA  |  |  |
| Plastics  | Manually removed from CEP  | Plastic Recovery  | Canada   |  |  |
| Insulated Wire  | Manually removed from CEP  | Metal recovery  | Japan, USA                                       |  |  |
| Aluminum  | Manually removed from CEP  | Metal recovery  | USA  |  |  |

#### METRO METALS, 2202 EAST RIVER ROAD, TACOMA, WA 98421 METRO METALS, 2401 ST. FRANCIS LANE, VANCOUVER, WA 98660 (253) 272-2364

| Material Of<br>Concern      | Recycling Process  | Fate of<br>Recycling Process   | End of life<br>processing-<br>Destnation Country |  |
|-----------------------------|--|--|--|--|
| CRT Glass                   | Hand dismantle and remove intact whole tube from CEP, package to prevent release | Smelter. Byproducts<br>used as cement or tile<br>additive                      | Mexico, USA                                      |  |
| Circuit Boards              | Removal of batteries, sort, and/or shred   | Primary smelter for recovery of metals   | USA, Japan                                       |  |
| Batteries                   | Hand sort by type and package for shipment                                       | Metal recovery via<br>recycling (lithium, nickel)                              | USA  |  |
| Mercury Devices             | Hand removed from CEP, package<br>to prevent release                             | Mercury retort,<br>elemental mercury<br>recovery, crush to<br>extract phosphor | USA  |  |
| Non-Materials<br>of Concern | Recycling Process  | Fate of<br>Recycling Process   | Destination                                      |  |
| Steel                       | Removed from CEP by shredding or hand dismantling                                | Metal Recovery   | USA  |  |
| Plastics                    | Shredded and included with the circuit boards                                    | Primary smelter  | Japan  |  |
| Insulated Wire              | Removed by hand or shredding process   | Metal Recovery   | USA, Japan                                       |  |
| Aluminum                    | Removed by shredding or by hand from the CEP                                     | Metal Recovery   | Japan, USA                                       |  |

### **PROCESSOR PROCESSES AND METHODS**

|                             | URT, LLC, 10151 SE JENNIFER ST., CLACKAMAS, OR 97015<br>(503) 722-2236                                   |   |  |  |  |  |
|-----------------------------|--|---|--|--|--|--|
| Material Of<br>Concern      | Recycling Process  | Fate of<br>Recycling Process                | End of life<br>processing-<br>Destnation Country |  |  |  |
| CRT Glass                   | Glass is crushed and inserted into the tile making process   | Tile and lead recovered                     | USA  |  |  |  |
| Circuit Boards              | Removed from CEP by automated separation and shred process   | Smelted/refined for precious metal recovery | USA, Japan, Bel-<br>gium, France, Korea          |  |  |  |
| Batteries                   | Hand removed from CEP or received in as batteries separately. Hand sorted by type                        | Metal Recovery                              | USA  |  |  |  |
| Mercury Devices             | Received in as mercury devices separately.<br>Hand sorted by type and shipped                            | Mercury recovery/retort                     | USA  |  |  |  |
| Non-Materials<br>of Concern | Recycling Process  | Fate of<br>Recycling Process                | Destination                                      |  |  |  |
| Ferrous Metals              | Removed from CEP by automated separation process   | Metal recovery                              | USA  |  |  |  |
| Plastics                    | Manual Sorting, Washing/Drying, Shredding/<br>Granulation, Blending, Compounding of plastic<br>materials | Plastics recovery                           | USA, Malaysia                                    |  |  |  |
| Non-Ferrous<br>Metals       | Removed from CEP by automated separation and sorting process   | Metal recovery                              | USA, Japan                                       |  |  |  |

Note: Environmental compliance audit reports for direct processors of covered electronics are on file with Washington Ecology and available by request.

### **DIRECT PROCESSOR SUBCONTRACTORS**

Proprietary information regarding subcontractors is on file with the Department of Ecology but is not included on the public annual report for E-Cycle Washington.

E-CYCLE WASHINGTON 2022 ANNUAL REPORT

# **PROCESSORS CEP MASS BALANCE REPORT**

| NBOUND: TOTAL<br>POUNDS 2022                       | Comput-<br>ers | Laptops | E-<br>Readers | E-<br>Tablets | Monitors  | Televisions | OTHER<br>(non-<br>covered) | TOTAL      |
|--|----------------|---------|---------------|---------------|-----------|-------------|----------------------------|------------|
| Pounds collected and processed:                    | 1,280,242      | 204,465 | 400           | 8,407         | 1,752,252 | 10,057,612  | 8,869                      | 13,312,247 |
| (  | OUTBOUND       | DECEME  | BER 31, 202   | 22 FOR CA     |           | YEAR 2022   |                            |            |
|  |                | RECOVER | ED / RECYC    | LED / IN P    | ROCESS    |             |                            |            |
| CRT GLASS  |                |         |               | 3,15          | 53,579    |             |                            |            |
| CIRCUIT BOARDS                                     |                |         |               | 1,02          | 29,043    |             |                            |            |
| BATTERIES  |                |         |               | 10            | ),547     |             |                            |            |
| MERCURY LAMPS                                      |                |         |               | ç             | ,169      |             |                            |            |
| PLASTIC  |                |         |               | 2,4           | 52,600    |             |                            |            |
| METALS   |                |         |               | 5,13          | 30,472    |             |                            |            |
| WOOD   |                |         |               | 6             | ,572      |             |                            |            |
| CEPs in storage<br>awaiting processing             |                | 533,709 |               |               |           |             |                            |            |
| CEPs in transit awaiting downstream processing     |                |         |               | 2             | 1,624     |             |                            |            |
| TOTAL RECOVERED /<br>RECYCLED /<br>IN PROCESS:     |                |         |               | 12,3          | 47,315    |             |                            |            |
|  |                |         | REUS          | ED            |           |             |                            |            |
| COMPUTERS -<br>(Desktop or<br>integrated units)    |                |         |               |               | 0         |             |                            |            |
| LAPTOPS  |                |         |               |               | 0         |             |                            |            |
| TELEVISIONS  |                |         |               |               | 0         |             |                            |            |
| MONITORS   |                |         |               |               | 0         |             |                            |            |
| PARTS - SWAPPED OUT<br>TO WORKING UNIT             |                |         |               |               | 0         |             |                            |            |
| OTHER:   |                |         |               |               | 0         |             |                            |            |
| TOTAL REUSED:                                      |                |         |               |               | 0         |             |                            |            |
|  |                | UNRECYC |               | UAL (TO LA    | NDFILL)   |             |                            |            |
| WOOD   |                |         |               | 61            | 9,769     |             |                            |            |
| NON-RECYCLABLE<br>PLASTIC                          |                | 159,846 |               |               |           |             |                            |            |
| OTHER: Trash, etc                                  |                |         |               | 18            | 5,317     |             |                            |            |
| TOTAL RESIDUAL:                                    |                |         |               | 96            | 4,932     |             |                            |            |
| TOTAL RECOVERED,<br>RECYCLED, REUSED,<br>RESIDUAL: |                |         |               | 13,3          | 12,247    |             |                            |            |

### SUMMARY OF PROCESSOR CLOSURE PLANS

The Preferred Processing Standard requires registered processors to have adequate closure plans and a sufficient financial instrument to prevent the abandonment of CEPs and related materials.

| CLOSURE<br>PLAN ITEMS                              | ACE<br>METAL                                  | E-WASTE<br>LLC   | EWC<br>GROUP                                  | ERI   | METRO METALS (TA-<br>COMA AND<br>VANCOUVER) | URT               |
|--|---|------------------|---|---|---|-------------------|
| Clean up and<br>engineering labor<br>included      | x   |                  | x   | x   | x   | x                 |
| Maximum CRT<br>inventory on hand<br>identified     |   | х                | x   | x   | x   | x                 |
| Wood, batteries, lamps pounds estimated            | x   | х                | х   |   | Х   | x                 |
| Transportation                                     | x   | х                | х   |   |   | x                 |
| Hazardous Materials<br>handling and<br>disposition |   | х                | x   | x   | x   | x                 |
| Downstream<br>contingency plan                     |   |                  |   | x   | х   | х                 |
| Closure schedule                                   |   |                  |   | x   | х   |                   |
| Clean up standards<br>identified and outlined      |   |                  |   | x   | x   |                   |
| CLOSURE COST<br>ESTIMATES:                         |   |                  |   |   |   |                   |
| Material removal                                   | x   | х                | х   | x   | х   | x                 |
| Transport  | x   | х                | х   | Haz Mat only                                  | Haz Mat Only                                | х                 |
| CRT glass disposal                                 | x   | х                | х   | x   | x   | x                 |
| Disposal of other<br>materials                     | x   | х                | x   | N/A   | N/A   | x                 |
| FINANCIAL<br>MECHANISM:                            | Assignment<br>of Account /<br>Time<br>Deposit | Standby<br>Trust | Non<br>assigned<br>bank<br>account<br>reserve | Irrevocable<br>Standby<br>Letter of<br>Credit | Financial Assurance<br>Letter of Guarantee  | Assurance<br>Bond |

### MATERIALS OF CONCERN EXPORT INFORMATION

The preferred environmental standards, that all processors contracted with the WMMFA must subscribe to, require that any materials of concern (materials that present potential risk to human health or the environment) exported to a Non-OECD (Organization for Economic Co-operation and Development) member country have approval from the destination country and confirmation from the US Environmental Protection Agency.

The total weight of all materials of concern, including unwanted electronic products, electronic components, and electronics scrap collected by the WMMFA that have been exported from Washington state for plan year 2022, from processors used by the WMMFA, to countries that are not members of the Organization for Economic Co-operation and Development or the European Union = 0. This information is provided to WMMFA by each processor.



### PROCESSOR VOLUME ALLOCATION FACTORS

The information below is excerpted from the WMMFA Standard Plan and describes some of the factors used in determining collected CEP volume allocation to participating processors.

#### **COMPETITIVE RATES**

- Rates by commodity make sense in comparison to freely bid rates by others, or s uggested rates based on market conditions?
- Does processor transport in their proximity that would allow lower overall rate or better value?
- Has processor justified rates via quality of downstream vendors destinations?

#### **ENVIRONMENTAL**

- Are there any red flags in audit how important are they?
- What is current inventory of materials requiring processing, and is it low or high in comparison to others?
- Does processor have reasonable assurance from downstream vendors as to ultimate disposition? Audits?
- What is the perceived RISK to the WMMFA of using processor? Are they in good standing in their communities?
- Considerations: Insurance, Litigation, Capital, Capacity, Expertise, Experience

#### CREATIVITY

- Does the processor use truck, ocean vessel, or train for lower environmental impact and expense?
- · Does the processor use local vendors to save cost / environmental impact?
- Does the processor have multiple options in order to sustain plan compliance?
- · Does the processor seem knowledgeable and have expertise in their field?
- Are their quality differences, perceived or real, of processors by collectors that result in collector "requests" to use a certain processor?
- Does the Processor have a "re-use" component to their business?
- How much of the total weight of materials provided the processor is landfilled?
- Does the processor engage in public collection events coordinated by them?

### PROCESSOR VOLUME ALLOCATION FACTORS

#### **CAPACITY: TRANSPORTER & PROCESSOR**

- Does the processor require volume corrections (plus or minus) from the authority due to their own operational or staffing issues?
- Can the processor adjust to downturns and upturns given unpredictable collection volumes by region?
- Is the processor easy to work with?
- Does the processor have enough dock doors and staff to accept multiple deliveries at the same time?
- Does the processor ever turn away transporters for its own operational convenience?
- Do collectors or other transporter vendors complain about processors service when receiving?
- Will transports deliver to the processor for a reasonable rate? Do we incur detention charges?

#### **PROXIMITY TO COLLECTOR**

- The higher density of collection sites without self transport = great transport opportunity for processors
- Location of processor extremely important for both cost (length of transport) and environmental considerations
- Does proximity of processor trump actual commodity prices via lower transport cost?
- What is the weighted average processing cost by collector, by processor, and are other constraints (capacity, etc.) hit before this consideration?

#### **AUXILIARY SERVICES: TRANSPORTATION**

- Can the processor make small and large collector pick ups timely using the correct equipment (liftgate, box truck, semi)?
- How far, in miles, will a self transporting collector transport his materials, and, at what cost, before the WMMFA moves to use a processor in closer proximity for their (collector)
- Can the processor handle mistakes by collectors, transporters, the WMMFA or the public with a reasonable approach?
- Is the transporter getting sufficient volume from the WMMFA to remain interested in hauling favorable, and unfavorable, transport lanes?

### PROCESSOR VOLUME ALLOCATION FACTORS

#### **BILLING ACCURACY TIMELINESS**

- Does the Processor communicate effectively if there are questions or problems?
- · Is the processor timely and accurate with invoices?
- Is the processor "high maintenance" in terms of WMMFA staff time?
- Does the processor provide feedback to the Authority when it encounters problems?
- Does the processor provide enough detail on invoices to identify all relevant recyclable downstreams by commodity type?
- Do processors invoiced weights match collectors estimated or actual weights where applicable?
- · Is the processor responsive with informational requests?

#### **EXISTING INFRASTRUCTURE**

- Is the processor establishing operational plans that take business from an existing vendor with no value added?
- Are there competing services to what the processor offers that are a better value given any duplication of effort?

#### FAIRNESS PER RCW & WAC

- Is re-use or recycling the first option prior to disposal or incineration? (RCW 70A.500.250)
- Is the business located in the State? (RCW 70A.500.060 (5))
- Are all registered processors being utilized? (RCW 70A.500.270 (7))
- Is the processor continuously improving its practices and processes? (RCA 70A.500.250)
- Does the authority avoid the creation of new infrastructure by using processor/transporter/collector? (RCW 70A.500.300 (2))
- Is the authority following policy per its own Standard and Operating Plans? (RCW 70A.500.310)
- Is the processor listed as in compliance with the "preferred" standards by Ecology? (WAC 173-900-650)
- Is the processor in compliance with WMMFA contractual terms? (WAC 173-900-600 (3))

### **DESIGN FOR RECYCLING**

WMMFA is required to document "...work done with processors used by the plan to promote and encourage the design of electronic products that are less toxic and contain components that are more recyclable;" (WAC 173-900-800). This category of this work is often termed "design for recycling".

In 2022, electronic waste processors that are registered in the E-Cycle Washington program were surveyed on the topic of Design for Recycling. The survey questions and a summary of responses are below.

#### **SURVEY QUESTIONS**

#### SUMMARY OF RESPONSES

What general or specific changes to new CEPs Reduction of screws and adhesives. would reduce the time required to break them Uniformity of screw heads. down for recycling? Which "materials of concern" currently used CRT glass is the most expensive materials to within CEPs, if revised or eliminated would have • manage, although it has been greatly reduced the most positive impact on your direct or since program inception. downstream costs? Depending on the manufacturer, LED and LCD Which types or specific models of CEPs present products take the most time to dismantle. the most challenges in the recycling process in Console TVs that contain oil or wood also are terms of handling time, cost and/or toxicity? also labor intensive. In the last 5 years, what design changes have \_\_\_ The removal of mercury-containing lights had a positive impact on the time and cost in LCD products. required to recyle CEPs? Would your organization be interested in Most respondents did not wish to speak at a sharing your thoughts about design for - WMMFA board meeting or did not respond in recycling with manufacturers at a WMMFA time to speak at the designated board meeting. board meeting?

The overall weight of processed electronics is a primary driver of program cost and the amount of electronic waste entering landfills. The reduction in weight of individual electronic products is a design change that makes them less toxic and more recyclable. While the population of Washington State has grown, the total weight of collected Covered Electronic Products (CEPs) has consistently decreased over the last ten years. In 2013, collected CEPs in Washington State was approximately 45 million pounds. In 2022, the weight of collected CEPs was approximately 13.3 million pounds.

Drivers of the reduced weight and toxicity of electronics include:

- The decreased use of cathode ray tube (CRT) monitors and televisions. This technology has been almost completely replaced with lighter LCD and LED technologies.
- The growing preference for laptop computers over desktop computers.
- The decrease in the number of circuit boards in televisions is being achieved through expanded software on individual boards.
- The reduction of toxic, mercury-containing lamps in LCD products.

Although it is unclear how much these trends are driven by manufacturers responding to consumer preference vs. environmental benefit, the resulting designs have led to reduced e-waste recycling volume, and less e-waste in landfills.

# **EDUCATION AND OUTREACH**

The WMMFA conducted outreach activities in 2022 that were designed to raise program awareness in both urban and rural areas of the state.

In fall of 2022, outreach campaigns consisted of streaming audio spots and internet display ads.

E-Cycle posters and brochures are not considered to be program outreach materials because they are required to be used at collection sites by program rules. All new collection sites are provided with laminated posters with the E-Cycle Washington logo and messages about the recycling program. A tri-fold brochure is also provided at no-charge to municipalities, collection sites and others, on request. Replacement posters and brochures are provided at no charge.

#### **2022 AUDIO SPOTS**

Three, 30-second audio spots were aired over streaming devices. These audio spots ran on internet radio stations and podcast networks such as:

INTERNET RADIO STATIONS:

- CBS SPORTS
  KISW-FM
- CNN TV
  KKWF-FM
- FOX NEWS

· KNDD-FM

· KIRO-AM

#### PODCAST NETWORKS:

- · Cadence13
- Pineapple Street Studios
- The Audacy Podcast Network

PODCASTS FEATURED ON THESE NETWORKS INCLUDE:

- Wolves Among Us
- We Can Do Hard Things with Glennon Doyle
- Dana Carvey & David Spade Fly On a Wall
- Reflections of History with Jon Meacham
- $\cdot\;$  The Catch and Kill Podcast with Ronan Farrow
- $\cdot$  Happier with Gretchen Rubin
- I've Got Questions with Mike Simpson
- CAMPAIGN DATESIMPRESSIONSAugust 15 October 151,158,638

# **EDUCATION AND OUTREACH**

#### **2022 INTERNET DISPLAY ADS**

Internet display ads, sized for phones, tablets and computers, were run in every county of Washington State. The landing page for internet display was the collection site locator at ecyclewa.org.

SPECIFIC WEBSITES THAT DISPLAY E-CYCLE WASHINGTON ADS INCLUDED:

• foxnews.com

∙ yahoo.com

offerup.com

bleacherreport.com

• tumblr.com

- reddit.com
- weather.com
- pandora.com

| CAMPAIGN DATES           | IMPRESSIONS |
|--------------------------|-------------|
| September 7 – October 18 | 1,267,108   |



### **RE-USE OF COLLECTED CEPs**

Based on phone interviews and informal surveys of collectors that typically refurbish or re-sell used electronics the ratio of reused to recycled products varies considerably by type of collector, and type of product. An estimated 20-25% of the computer and flat screen products are given a cursory review for candidacy for either repair or re-sale. A subset, those that are thought to be the most valuable as used products, are considered for repair or re-sale. If they power on and appear to work, they go directly to re-sale. Some collectors that specialize in computer refurbishment may have higher repair rates than other collectors.

Non-profit collectors are performing less testing and repair than they had been in the initial years of the E-Cycle Washington program. Testing is normally reserved for high value products and/or products in pristine condition.

The E-Cycle Washington program was designed primarily as an end-of-life program for unwanted electronics and most of our collectors primarily focus on getting CEPs to the program for responsible recycling. None of the E-Cycle Washington registered processors were engaged in re-use or refurbishment of end-of-life products in 2022. Therefore, 100% of reuse and refurbishment for resale was done at the collector level.

The WMMFA does not have the authority to require collectors to provide re-use statistics on collected CEPs. Our estimates are based on reported collection and processing data, and informal conversations with collectors with collectors and processors.

### MANUFACTURERS PARTICIPATING IN THE STANDARD PLAN IN

Manufacturers are invoiced a portion of program expenses based on market share information that is provided to WMMFA by Washington Ecology.

3M Touch Systems 3MD Inc. 4th Dimension Computer Acer America Corp ADT LLC dba ADT Security Services Afunta LLC Amazon Fulfillment Services, Inc. AMDOE. LLC Amelia World Corp d/b/a LINSAY American Future Tech Corp dba iBuypower Angel Computer Systems Inc Apple ASA Electronics Associated Computer Specialists Asus Computer International Atyme Corporation, Inc. AWA Technology Inc. Axess Products Azpen Innovation, Inc. Azulle Bang & Olufsen Barco, Inc. Barnes&Noble.com LLC BenQ America Corp **Bereson USA** Best Buy BLU Bosch Security Systems, Inc. Cabeli Team America Limited Caytan Enterprise (Vilros) Cellco Partnership dba Verizon Wireless Coastline Micro Inc. **Computer Connections** Computer Nut Hut Computer Technology Link Computer Works of Yakima Inc Corsair Craig Electronics, Inc Curtis International Ltd Custom Computer Sales & Svc Cutting Edge Computer Solutions CWD limited

CyberPower Cybertron International, Inc Cycrest Systems Inc. Dat-a-Way Computer Solutions Deli Stationery, Inc. **Dell Computer Corp** Diaotec **DigiLand Products Digimaxis LLC** DPI Inc Durabook Americas Inc. Dynabook Americas, Inc. EIZO Inc. Element TV Company, LP Elite Lux Technologies Inc. **Elitegroup Computer Systems** Elo Touch Solutions, Inc Eluktronics. Inc. Ematic **Envision Peripherals Inc** Epik Learning, LLC **Equus Compute Solutions EverFocus Electronics Corporation** Evervue USA F5CS LTD LLC Facebook Technologies LLC Falcon Northwest Friendly Computers / Computer Renaissance Fujitsu America, Inc. Funai Corporation, Inc. General Digital Google LLC Grays Harbor Computer Svc GVISION USA, Inc. Haier America Himalaya Trading Inc Hisense USA Corp Hitachi America, LTD. Digital Media Division **HK Contrum Electronic Limited** HP Inc HTC America. Inc. Huawei Device USA, Inc.

### MANUFACTURERS PARTICIPATING IN THE STANDARD PLAN IN

ICI Touch Technology Inc. ICON Health & Fitness, Inc. IGEL America Sales Corporation Ikegami Tsushinki Ltd. InFocus Corp Inspira Technologies LLC Integrity Computers and Networking Intel International Business Machines Corp. J & N Computer Service Johnson Health Tech Co.. Ltd JVC KENWOOD USA Corp Kaser Corp. KD Group Kobo Inc L&S Enterprise Group Corp. Last Stop Computers Lenovo Lexibook America LG Electronics USA Inc Lilliput Electronics Co, Ltd Lorex Technology Inc. Macari Baby, Inc. Main Business Systems Majestic Global USA Mambate USA Inc Marvel Entertainment. LLC Mattel, Inc. **Microsoft Corporation** Mimo Inc Minno LLC Mitsubishi Electric US, Inc. Modern Office Equipment Motorola Mobility LLC **MSI** Computer MTM Trading LLC **Music Computing** Naxa Electronics, Inc. NCS Technologies, Inc NEC Display Solutions Nixeus Technology, Inc. **NVIDIA** Corp Optoma Technology Inc Oracle America Inc OREI

Osram Sylvania Pacific IT Services LLC Panasonic Corporation of North America Parsec Computer PC Recycle PDi Communication Systems, Inc. Peerless-AV Pelco Peloton Perfection PC Inc. Philips Electronics Planar Systems Inc Plantronics Plexon. Inc. PLR IP Holdings, LLC Precor Incorporated Premio. Inc Prostar Computer, Inc Puget Sound Systems Inc. Purism, Inc Pyramid Distributing Quality Computers & Svc **OuantumFX** QubicaAMF Razer USA, Ltd. **Re-Pc Recycled Computers** RJ Technology, Inc Sager Midern Computer Inc. Samsung Electronics Co Sceptre, Inc. School Zone Publishing Company, Inc. Sensormatic Electronics LLC Seura. Inc. Sharp Electronics Corp Shenzhen Avis Electronics Technology Co. Shenzhen Haina Tianyuan Ecommerce Co., Ltd. Shenzhen Siwei Shikong Technology Co. Ltd. Shenzhen Valuelink E-Commerce Co..Ltd. Shenzhen Wave Multimedia Co., Ltd Shuttle Computer Group Simbans Limited Singreen International Corporation Ltd. SkyVue Skyworth USA Corporation SMART Technologies ULC

### MANUFACTURERS PARTICIPATING IN THE STANDARD PLAN IN

Sony Electronics Inc Source Code Corporation Southern Telecom Inc SunBriteTV LLC Sungale Electronics Supercircuits, Inc Supersonic, Inc. TCT Mobile, Inc TekVisions, Inc Tongfang Global ToteVision Trans Cosmos America TTE Technology Inc Tyco Integrated Security Unisys Direct Up Time Technology US Micro PC Inc VAR Corporation

Venturer Electronics Inc VGH Computer Services ViewSonic Corp World HQ Vizio Incorporated VOXX International Corp. VTech Electronics North America, LLC Wacom Technology Walmart Inc. Worldwide V7 Private Label Worryfree Gadgets LLC Xplore Technologies Corp Yakima Networking Zalmen Reiss & Associates, Inc. Zebra Computers ZOTAC USA, Inc. **ZTE USA** 



# **REVENUE AND EXPENSES**

| TOTAL REVENUE (Payments received from participating manufacturers, FY 2022) | \$4,334,185 |         |
|---|-------------|---------|
| OPERATIONAL EXPENSES  |             |         |
| Collection - registered collectors and covered events                       | 1,246,437   | 25.09%  |
| Transportation - registered transporters and collector transport            | 763,699     | 15.37%  |
| Processing - to registered CEP processors                                   | 2,628,311   | 52.91%  |
| Outreach <sup>3</sup> - including advertising and promotional materials     | 33,140      | 0.67%   |
| TOTAL OPERATIONAL EXPENSES  | \$4,671,587 | 94.04%  |
| ADMINISTRATIVE EXPENSES   |             |         |
| Salaries and wages  | 242,456     | 4.88%   |
| Professional services - legal, accounting and consulting                    | 6,200       | 0.12%   |
| Audit and CPA review  | 12,746      | 0.26%   |
| Rent  | 10,740      | 0.22%   |
| Travel - hotels, meals and related expenses                                 | 895         | 0.02%   |
| Office supplies   | 4,032       | 0.08%   |
| Insurance   | 4,807       | 0.10%   |
| Telephone and internet  | 4,943       | 0.10%   |
| Meetings and seminars   | 1,200       | 0.02%   |
| Postage and delivery  | 1,460       | 0.03%   |
| Office hardware, software and equipment                                     | 5,181       | 0.10%   |
| Utilities   | 0           | 0.00%   |
| Bank service charges  | 1,004       | 0.02%   |
| Miscellaneous   | 497         | 0.01%   |
| TOTAL ADMINISTRATIVE EXPENSES   | \$296,161   | 5.96%   |
| TOTAL OPERATIONAL AND ADMINISTRATIVE EXPENSES                               | \$4,967,748 | 100.00% |
| ADDITIONAL FINANCIAL INFORMATION  |             |         |
| 1. Total pounds collected and cost per pound for FY 2022                    |             |         |
| CEP pounds collected in 2022  | 13,312      | ,247    |
| Total program cost per pound in 2022  | \$C         | .373    |
| 2. Other program financial details  |             |         |
| Financial reserve carry forward from 2021                                   | \$914,789   |         |
| Financial reserves December 31, 2022  | \$222,142   |         |
| Settlement funds carry forward from 2021                                    | \$102,970   |         |
| 3. Use of settlement funds  |             |         |
| Graphic Design  | \$3         | ,565    |
| Web Development   | \$1         | ,500    |
| CEP Tracking service  | \$15        | 5,718   |
| CLF Hacking service   |             |         |
| 4. Outreach activities in 2022 that were paid for in 2023                   |             |         |

E-CYCLE WASHINGTON 2022 ANNUAL REPORT

### **APPENDIX A:**

Additional information available

#### POUNDS PROCESSED VERIFICATION

This document is over 200 pages long and includes processor invoice data for 2022.

#### **PROCESSOR ENVIRONMENTAL COMPLIANCE AUDITS**

All registered electronic waste processors that participate in the E-Cycle Washington program are required to provide environmental audits annually. The audits are posted on the Washington Ecology website here:

https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Electronics-Ecycle-guidance-and-reports/Processors

To receive a copy of these documents, please send a request to the WMMFA or Washington Ecology: <u>info@wmmfa.net</u> (WMMFA) <u>clac461@ECY.WA.GOV</u> (Washington Ecology)

### **APPENDIX B:**

Materials Shipped to the United Arab Emirates (UAE)

In 2022, the WMMFA deployed GPS trackers in covered electronic products that were dropped off at registered collection sites. The drop-offs occurred without notification to the collection site or electronics processor. The use of trackers by the WMMFA was voluntary and is not required by law or program rules. One of the trackers was shipped to the UAE. It is unclear whether the tracker was still inside a product or if it had been removed. The product containing the tracker had been sent by a registered processor to their downstream vendor for recycling. The shipment of the tracker to the UAE was unauthorized by the processor. As a result, the vendor that sent the product to the UAE is no longer being used as a downstream vendor by the processor.