

Material Use and Disposal

- Encourage effective and efficient use of materials and the disposal of waste products.
 - Accomplishments
 - The District was the first licensee to receive FERC approval for the electronic filing of all documents during the FERC relicensing process. This action reduced the amount of paper by 50 percent (the relicensing team estimated that the amount of paperwork generated during the relicensing process, if stacked in one pile, would be as tall as an 80-story building).
 - Woody debris is sorted at the Rock Island Project. Larger wood is given to the local Hospitality House to provide heat. All other woody debris gets chipped and is available to parks and grounds crews at no cost. Trees that blew down in the January 2007 windstorm were stored for use in fish enhancement projects.
 - District Parks and Rocky Reach grounds staff recycle material such as lawn clippings, pruning, milfoil and other landscape waste by composting it and reusing it in the parks and grounds as appropriate for their needs.
 - The District has an extensive scrap recovery program that is very active. Central Maintenance puts copper, aluminum, and steel into large dumpsters at both the Rocky Reach and Rock Island Hydro Projects. Utility Services recycles scrap metal and wire at the Hawley Street location. A vendor recycles these metals.
 - In the past few years, the District has migrated more and more toward electronic communication methods – both among employees and on behalf of the District to its employees and customers, minimizing the need for paper, including the District’s Annual Report.
 - Outdated letterhead paper is recycled into scratch pads for employees.
 - The District has a cardboard recycling bin located between Fleet Service and the Warehouse. In addition, Fish and Wildlife staff recycle cardboard generated by their activities using their own employees who haul the cardboard to the recycling center approximately once a month.
 - Traditionally, PUD employees collect old phone books on behalf of their children, who bring them to school because school districts around the area compete to collect the most phone books for recycling. One employee reported that she collects around 300 phone books annually.
 - Aluminum cans were collected at the HQ cafeteria and recycled, now part of WM program.
 - Office Services now has a recycling program for all laser jet and ink jet cartridges. Office Max now picks up all of these types of cartridges for recycling purposes.

- Properly dispose of, recycle, or reclaim hazardous waste. Jennifer Burns and Mark Hoefner coordinate the disposal, recycling or reclamation of the District’s hazardous waste. Examples of hazardous and universal waste that is currently recycled, reclaimed, or otherwise disposed of include (but are not limited to): batteries; mercury containing thermostats and equipment; lamps; E-Waste (computers and equipment); used oil; spent anti-freeze; shop rags; glass bead dust; aerosol can dispensers; flammable liquids; outdated chemicals; transformer carcasses, and asbestos.
- 2008 Accomplishments
 - The District implemented requirements of RCW 70.93.093 (recycling at official gatherings).
 - Considered the feasibility of a “recycled first” purchasing policy for office supplies. Office Max provided an analysis of District purchases and what products could be replaced with remanufactured products. Toner cartridge information added to Office Services site and recycling of cartridges is in progress.
 - Met with Wenatchee Waste Management and developed trial recycling program for PUD Headquarters Complex and Hawley Street. Ordered recycling (blue) bins for PUD offices located within Wenatchee Waste Management service area. Promoted recycling throughout PUD Headquarters Complex with communications plan.
 - Met with local vendors regarding discarded pallets and a method for disposal. H2Precast uses the pallets in its operations for storage and shipment of product.
- 2009 Accomplishments
 - Established recycling connection with Community Technology of NCW for laser and inkjet toner cartridges, in collaboration with Funding Factory, a recycling support group.
 - Researched opportunities to replace Styrofoam and plastic food service products with biodegradable, environmentally friendly materials for use at PUD food service outlets and the warehouses. Changed procurement/purchasing procedures for several items, where appropriate.
 - The cardboard and paper recycling programs were expanded to include Hawley St. Warehouse and Training Center areas.
- 2010 Accomplishments
 - Continue recycling programs.
 - Establish recycling programs for the public at PUD offices for CFL bulbs.
 - Continually promote efficient copy/printing procedures to minimize use of paper and ink and hold down District costs.
 - Initiate recycling program for all laser jet and ink jet cartridges. Office Max now picks up all of these types of cartridges for recycling.
 - Using remanufactured cartridges was a success on some printers while not on others. Some areas either did not want to convert to recycled

toners, some recycled toners were not available for particular printers, and some areas did not have success with using the recycled toners. Fifteen departments converted to recycled toner cartridges in 2010. Office Services has completed the evaluation process for implementing Districtwide.

○ 2011 Accomplishments

- Continue recycling programs in all existing categories. Waste Management is now offering “single stream recycling.” All our recyclables (paper, plastic, aluminum, glass, cardboard) go into blue office receptacles and then into the single-stream recycling dumpsters. Our (Facilities) recycling now includes HQ, Hawley St. and the CTC.
- Continue to accept all printer cartridges and return to Office Max for recycling purposes.
- Converted approximately 3,000 customers to electronic billing (PowerPay), saving the District an estimated 54 cents for each bill not mailed.
- Chelan PUD recycles 96-97 percent of transformer materials when transformers reach the end of life. Recycled items include plate steel and case steel, aluminum, copper, silicon steel lamination, furnace ash and transformer oil.
- Reduced number of printed copies of PUD Annual Report from approximately 2,500 to less than 100, relying on electronic presentation on Web for primary access.

○ 2012 Actions

- Continue recycling programs and expand where feasible.
- Continue expanding PowerPay participation.

○ Future Objectives – Examples

- Develop and enhance recycle programs for bulk materials such as scrap metal, paper, cardboard, and aluminum that recognize the value of recycled products. We (Facilities, CM, Fleet, PCS) will coordinate with others in the District to make our surplus, scrap, and recycling programs more effective/efficient.
- Expand recycling to all District facilities as Waste Management can accommodate. We may add Leavenworth, Rocky Reach, and Rock Island if the service is made available in those areas. Decisions for Rocky Reach and Rock Island will come from each location.
- Examine purchase of items produced closer to Wenatchee to reduce the carbon impact of the item (namely the closer an item is produced, the less carbon it takes to deliver the item).