

Description of Grants Funded in 2015



State of Oregon
Department of
Environmental
Quality

Materials Management

811 SW 6th Avenue
Portland, OR 97204
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www.oregon.gov/DEQ

DEQ is a leader in restoring, maintaining and enhancing the quality of Oregon's air, land and water.

Bicycle UpCycling and Parts Reuse

Grantee: Marion County

Amount: \$62,185

The Northwest Hub, based in Salem, recycles 160 -180 bicycles per month for redistribution. This project will support the Northwest Hub's goal to capture an additional 1000 bicycles annually that are currently being landfilled and will double the amount of materials that are reused and recycled, thus reducing the need for new production and the related upstream impacts. The project will also provide the low impact option of human powered transportation to the local population that might not otherwise be able to afford bicycles and trailers. The Northwest Hub works with social service agencies to identify individuals who are interested in donating hours and learning repair and building skills in exchange for bicycles and trailers.

The DEQ funds will support additional staff to coordinate communication with social service agencies, recover additional reusable materials for bicycles and trailers, and train volunteers. The grant funds will also support the building of a new recovery station and the purchase of additional machinery and equipment.

Durable Food Ware Pilot at Portland Airport

Grantee: Port of Portland

Amount: \$29,982

The Port of Portland pilot is designed to determine the best approach to reducing the purchase, use and disposal of single-use food ware by the vendors who provide food service to employees and passengers at the Portland International Airport (PDX). The project will determine the volume of waste diverted throughout the study and will look at the cost implications to airport management and restaurants of transitioning to durable food ware.

There are approximately 30 food and beverage locations throughout PDX. These vendors serve 16 million passengers each year in addition to thousands of Port and PDX employees. Twenty-two of the food vendors serve all of their food in single-use-to-go packaging even when patrons are dining on-site. The Pilot Study will focus on three food vendors. A successful pilot will result in reduced disposal to landfills and reduced upstream emissions from the production of disposable food ware. It will also provide a positive national model for similar food venues.

DEQ funds will be used to purchase durable food ware and equipment needed to transfer, wash and store food ware. The DEQ grant will also help fund a contractor to manage the project and additional janitorial hours to wash and handle the durable food ware.

Enhanced Recovery Project

Grantee: Marion County

Amount: \$70,000

Garten's North Salem Materials Recovery Facility collects and processes residential and commercial commingled materials that are generated from the Willamette Valley and Oregon coast. In order to more efficiently recover materials, Garten will purchase a metering drum and restructure its sort lines to capture more recyclable aluminum and plastics. DEQ considers metal and plastic as high priority materials for recovery as recycling these materials vs. using raw

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materials to produce them significantly reduces energy use and GHG emissions. DEQ will provide partial funding for the metering drum.

Food Donation Expansion Project

Grantee: Clackamas County

Amount: \$36,000

DEQ funds will support the expansion of the food donation infrastructure at the Clackamas Service Center (CSC) through the provision of additional staff and refrigerated storage for donated fresh food. This project will result in reduced landfilling of edible food and will provide more fresh wholesome food to Clackamas County residents who are experiencing food insecurity. CSC is a social service provider serving north Clackamas County and far southeast Portland. Each month CSC provides more than 400 food boxes (each with 20 meals) and 4,000 hot meals to residents. As well as feeding additional residents, this project will prevent the wasting of an additional 15,000 pounds of food per month and will reduce the landfilling of food waste and the associated methane gas emissions.

Food Share

Grantee: Marion County

Amount: \$96,478

Retail food recovery has been an important hunger-relief strategy for Marion-Polk Food Share since 2005. Food Share distributes through a network of more than 100 partners to deliver retail food to over 40,000 residents each month. DEQ's grant will help the counties increase the number of stores that donate food from 27 to 36. The seven stores located in Marion County are expected to provide an additional 500,500 pounds of food annually. DEQ funds will be used to provide two years of funding to pay a driver who will pick up and distribute donations. The project will reduce the amount of food that is landfilled and the associated methane emissions, and will provide wholesome food to residents in two counties.

New ReStore in Gresham

Grantee: Metro

Amount: \$45,000

Metro will use DEQ funds to provide equipment and supplies needed for the operation of a new Habitat ReStore. The new store will be constructed and operated by Metro's partner, Habitat for Humanity Portland Metro East. This store will provide access to low-cost, good quality reusable building and renovation materials in an underserved area of the Metro region.

The grant will fund equipment for the new Habitat ReStore. The new store will accept donations from businesses and individuals and will serve approximately 50,000 customers a year. The project will have the environmental benefit of diverting from landfill disposal approximately 2,000 tons of new and used building and renovation materials annually. As well as the economic benefit of providing inexpensive but good quality materials to residents, the project will create economic and social benefits by raising approximately \$400,000 annually to build new Habitat homes.

Fork Lift Truck Repair & Support Labor for Recycling Facility

Grantee: Harney County

Amount: \$14,900



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Harney County suffered severe economic distress during the winter of 2015 and spring of 2016, primarily due to the Malheur Wildlife Refuge occupation and subsequent disruption of local government and city functions. The decline in the recycling markets has also hit the County very hard leaving the County with no money to repair and service critical recycling equipment or cleanup and restore the local recycling facility.

The short-term objective of this grant project is to refurbish the county's forklift truck and to clean up and restore the recycling facility. The long-term goal of this grant project is to have a fully functioning recycling facility for the residents of Burns, Hines and the surrounding area.

Materials Management Plan

Grantee: Lincoln County

Amount: \$18,000

Lincoln County has not updated its Solid Waste Management Plan since 2004. The Lincoln County Solid Waste Advisory Committee approved a 35% recovery goal for 2020 and plans to update its Solid Waste Management Plan to both support its higher recovery goal and to reduce the generation of solid waste. Target materials will include woody debris, food, plastics, carpet and household hazardous waste. DEQ's 2050 Vision and Framework for Action will be used to guide this process.

Procurement of Mobile EPS Compactor

Grantee: Tillamook County

Amount: \$32,000

DEQ funds will support the purchase of a mobile Expanded Polystyrene foam compactor/densifier for use in Tillamook and neighboring counties. Expanded Polystyrene foam (EPS) is used for the production of many products such as rigid insulation, coolers and packing materials. It is currently not economical for Tillamook and some of its neighboring counties to recycle EPS foam that has not been compressed because 98% of the space taken up in a truck used to transport the foam is simply air and the distance to market from anywhere in Tillamook County is at least 60 miles. Therefore, area counties are landfilling all EPS foam generated by residents and businesses within their boundaries. The initial goal for collection is to collect, compact, and ship annually approximately 70-75 tons of EPS to a recycling facility. This quantity equates to approximately 4,000 cubic yards/year of landfill space.

Residential Deconstruction Pilots

Grantee: City of Portland

Amount: \$50,000

The demolition of buildings generates large amounts of debris, of which approximately 70-80 percent ends up in the landfill. Deconstruction on the other hand diverts a majority of demolition materials to reuse resulting in three times the net carbon benefits of demolition. The embodied energy in salvaged materials (e.g. flooring, framing lumber, siding, doors, and fixtures) is preserved with deconstruction, reducing the need to extract raw materials and process them into new products. Additionally, compared to mechanical demolition of buildings, deconstruction does not create large amounts of dust that could contain lead and/or asbestos.

The city of Portland, working with deconstruction contractors, salvage retailers, homebuilders, neighborhood interests, and others will award small grants to sub-recipients in the building and deconstruction field. DEQ funds will provide these small grants and help pay for city of Portland staff time to oversee the project and deliverables.



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Residential Food Waste Collection Program in Forest Grove

Grantee: City of Forest Grove

Amount: \$27,256

The City of Forest will provide a residential curbside food waste collection program to 5,800 single-family households within the city. DEQ funds will pay for the purchase, assembly, and delivery of kitchen pails for residents. Pails will be used to store food scraps until they are ready for placement in yard debris carts for pick-up by the local collector. Food scraps currently are included with other household garbage and make up 26 percent of Forest Grove's wastestream. The estimated 141 to 198 tons per year of food scraps that will be collected through this program will be composted which will reduce the lifecycle impacts of the food waste as well as produce a useful product. This effort will also contribute towards helping the Metro watershed meet its future recovery goals.

Retail Food Donation

Grantee: Multnomah County

Amount: \$51,355

The Fresh Alliance Program of the Oregon Food Bank (OFB), working with partner agencies like Multnomah County, will increase its collection and distribution of fresh food. This program collects wholesome perishable food from retail partners to deliver to clients experiencing food insecurity. DEQ's grant program will support the purchase of a refrigerated truck. OFB's Fresh Alliance Program will be able to expand its program to service 13 additional retailers. Over the estimated lifetime of the truck (10 years), close to 8.47 million pounds of food will be diverted from the waste stream. As well as feeding hungry families in Multnomah County, this project will reduce the landfilling of perishable but still edible food and the associated methane gas emissions.

Reusable Furniture and House Goods Collection and Distribution

Grantee: Washington County

Amount: \$36,360

The Community Warehouse partners with over 200 local nonprofits and social service agencies to distribute furniture and other household items to clients who are transitioning to secure housing, whether veterans, refugees or the homeless. Community Warehouse is the only nonprofit in the region of northwest Oregon and southwest Washington that specifically targets businesses (e.g. hotels, property management companies) for large scale collection and redistribution of reusable items that would otherwise be landfilled. This project will increase the provision of furniture and household goods to families in need by providing funding to the Washington County Community Warehouse to increase its outreach, collection and distribution system. The effort to reuse good quality household items benefits the environment by preventing methane emissions from landfilling and upstream impacts from the production of new goods.

DEQ's grant funds will provide funding for a procurement position which will be used to increase furniture and household goods collection by 50 tons annually, resulting in 250 additional families or 750 additional individuals receiving the items they need.

Solid Waste Management Plan

Grantee: Columbia County

Amount: \$28,750



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Columbia County is updating its 1998 Solid Waste Management Plan in the interest of developing a strategic plan to guide it in meeting its goal of 45% recovery by 2025. The County will update its plan to reflect evolving challenges and opportunities to reduce the generation of waste as well as to increase the recovery of recyclable materials. Plan development will include a waste stream analysis; review of all Columbia County collection activities, review of county waste prevention and reuse programs for adequacy and effectiveness; and review of innovative materials management planning efforts and programs in other local jurisdictions and at the state level.

DEQ's grant will provide funding to cover the salary and benefits of a staff person to produce the Solid Waste Management Plan.

Tool Lending Library for Woodburn

Grantee: Marion County

Amount: \$35,000

North Willamette Valley Habitat for Humanity will set up a tool lending library at the Woodburn Habitat for Humanity ReStore for use by the general public. The ReStore sells used/new home improvement materials at affordable prices to the public. The tool lending library will enhance opportunities to save community members money through a program that provide tools and equipment for short-term loan, preventing the need to buy new products, especially for short-term projects. This will reduce landfilling of still usable products and will displace the need to create these products from raw natural resources and new production. The tool lending library will allow for self-sufficiency, neighborhood beautification, economic savings, and will create an opportunity for individuals to tackle home projects before they become expensive repairs.

DEQ funds will be used to purchase tools and equipment for the tool lending library and to pay staff to get the project off the ground.

Accessibility

Documents can be provided upon request in an alternate format for individuals with disabilities or in a language other than English for people with limited English skills. To request a document in another format or language, call DEQ in Portland at 503-229-5696, or toll-free in Oregon at 1-800-452-4011, ext. 5696; or email deqinfo@deq.state.or.us.



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