

Region 1 energy improvement specifics by facility:

Ankeny NWR / Willamette NWRC

Project will make the shop energy efficient by insulating the walls and ceiling with R-30; caulking, weather-stripping, and sealing leaks; replacing single pane windows with low E windows; replacing overhead doors with insulated doors; and replacing exterior doors with insulated doors. It will also make the quarters energy efficient by replacing incandescent lights with compact fluorescents and insulating the attic with R-30.

Bandon Marsh NWR

Project will make the Philpott Office and quarters 2 bunkhouse energy efficient by conducting energy audits, replacing incandescent lighting, adding insulation, installing programmable thermostats, weatherizing, replacing windows and exterior doors with low E windows and insulated doors, and replacing old appliances with Energy Star appliances.

Basket Slough NWR / Willamette NWRC

Project will make the shop energy efficient by replacing incandescent lights with green tip T-8 fluorescent lights and ballasts; insulating walls and ceiling with R-30; caulking, weather-stripping, and sealing leaks; replacing single pane windows with low E windows; replacing overhead doors with insulated doors; and replacing exterior doors with insulated doors. It will also make the quarters energy efficient by replacing incandescent lights with compact fluorescent lights and insulating the attic with R-30.

Bear Lake NWR / SE Idaho NWRC

Project will replace incandescent and T-12 lights; install timers on exterior lights; install motion detectors in periodically used rooms; increase insulation in ceilings, floors, and walls; install programmable thermostats; weatherize all buildings; replace windows and doors with low E windows and insulated doors; and replace old appliances with Energy Star appliances.

Camas NWR / SE Idaho NWRC

Project will replace doors on the garage with insulated doors.

Columbia NWR

Project will make the maintenance shop energy efficient by replacing incandescent lighting, adding insulation, weatherizing, replacing single-pane windows with low E windows, replacing doors with insulated doors, and replacing appliances with Energy Star appliances.

Deer Flat NWR

Project will replace lighting, add insulation, weatherize, replace exterior doors with insulated doors or install storm doors, and replace appliances with Energy Star appliances.

Grays Lake NWR / SE Idaho NWRC

Project will replace incandescent and T-12 lights; install timers on exterior lights; install motion detectors in periodically used rooms; increase insulation in ceilings, floors, and walls; install programmable thermostats; weatherize all buildings; replace windows and doors with low E windows and insulated doors; and replace old appliances with Energy Star appliances.

Hart Mountain NAR / Sheldon Hart Mountain NWRC

Project will replace incandescent bulbs with compact fluorescent bulbs, replace incandescent exit lights with LED exit lights, install timers on exterior lights, increase insulation in basement ceilings and attics, wrap water heaters with insulation blankets, install one programmable thermostat, replace single-pane windows with low E windows, and replace old appliances with Energy Star appliances.

Hawaiian Islands NWR

Project will replace incandescent bulbs with compact fluorescent bulbs, caulk/seal/weather-strip all leaks, replace exterior doors with insulated doors or install storm doors, and replace appliances with Energy Star appliances.

Julia Butler Hansen NWR / Willapa NWRC

Project will replace all T-12 lights and ballasts with T-8 lights and ballasts, install motion detectors in periodically occupied rooms, increase insulation in ceilings and attics, caulk/seal/weather-strip all leaks, replace garage doors with insulated doors, and replace exterior doors with insulated doors or add storm doors.

Kootenai NWR / Inland NW NWRC

Project will replace incandescent lights in the garage, office, environmental education center, equipment storage building, well-house, bunkhouse, and quarters; add insulation to the office, equipment storage building, and environmental education center; replace the garage doors with insulated doors; replace single-pane bunkhouse windows with low E windows; and upgrade the baseboard heaters in the well-house.

Little Pend Oreille NWR / Inland NW NWRC

Project will make the headquarters building energy efficient by adding insulation, installing a programmable thermostat, weatherizing, and adding a vestibule and/or partitioning the front area. It will also replace all windows and bay doors in the garage; replace incandescent lighting in the headquarters, barn, and garage; conduct an energy audit of all buildings; and install motion sensor light switches in all buildings.

Malheur NWR

Project will conduct replace all incandescent lights and exit lights with compact fluorescent or LED lights, replace all T-12 lights and ballasts with T-8 lights and ballasts, install timers on exterior lights, install motion detectors in periodically occupied rooms, add ceiling and wall insulation, wrap water heaters with insulation blankets, install programmable thermostats, weatherize all buildings, replace all single-pane windows with low E windows, replace garage and exterior doors with insulated doors, and replace old appliances with Energy Star appliances.

Midway Atoll NWR

Project will conduct energy audits, replace all incandescent lights with compact fluorescent or LED bulbs, replace all incandescent exit lights with LED exit lights, replace all T-12 lights and ballasts with T-8 lights and ballasts, install motion detectors in periodically used rooms, increase insulation in ceilings, insulate walls, wrap water heaters with insulation blankets, caulk/seal/weather-strip all leaks, wrap/insulate pipes, replace all single-pane windows with low E windows, and replace 1,400 exterior doors with insulated doors.

Minidoka NWR / SE Idaho NWRC

Project will replace incandescent and T-12 lights; install timers on exterior lights; install motion detectors in periodically used rooms; increase insulation in ceilings, floors, and walls; install programmable thermostats; weatherize all buildings; replace windows and doors with low E windows and insulated doors; and replace old appliances with Energy Star appliances.

Nisqually NWR

Project will install motion detectors in periodically used rooms and replace old appliances with Energy Star appliances.

Oregon Coast NWR Complex

Project will replace incandescent lighting, add installation, install programmable thermostat, weatherize, replace windows and exterior doors, and replace old appliances with Energy Star appliances. In addition, a Tier 2 energy system upgrade of the HVAC systems.

Pierce NWR / Ridgefield NWRC

Project will make the office/residence building more energy efficient by replacing incandescent bulbs with compact fluorescent bulbs, replacing T-12 florescent bulbs and ballasts with T-8 bulbs and ballasts, increasing insulation in the basement ceiling and attic, air testing and sealing all leaks, replacing all single-pane windows with low E windows, replacing garage doors with insulated doors, replacing three entry and one sliding glass door with insulated storm doors, and replacing the old refrigerator with an Energy Star refrigerator.

Ridgefield NWR / Ridgefield NWRC

Project will replace all incandescent lights with compact fluorescents, replace incandescent exit lights with LED exit lights, replace T-12 lights and ballasts with T-8 lights and ballasts, install timers on exterior lights, install solar tubes to reduce the need for lighting, increase ceiling insulation, insulate crawl spaces and floor joists, insulate walls, wrap water heater with insulation blanket, install programmable thermostats, caulk/seal/weather-strip all leaks, insulate pipes, replace all single pane windows in 4 buildings with low E windows, replace garage doors with insulated doors, replace

exterior doors with insulated doors, replace electric gates with solar gates, and replace electric well pump with solar well pump.

Sheldon NWR

Project will replace all incandescent lights with compact fluorescents, replace all incandescent exit lights with LED exit lights, increase insulation in ceilings and attics, wrap the water heater with an insulation blanket, install programmable thermostats, and replace appliances with Energy Star appliances.

Sheldon-Hart NWRC

Project will replace all incandescent lights with compact fluorescents, replace all incandescent exit lights with LED exit lights, install timers on exterior lights, wrap the water heater with an insulation blanket, install programmable thermostats, caulk/seal/weather-strip all buildings, and replace appliances with Energy Star appliances.

Siletz Bay / Oregon Coast NWR Complex

Project will make the Quarters 2 bunkhouse and Quarters 1 residence energy efficient by conducting energy audits, replacing incandescent lighting, adding installation, installing programmable thermostats, weatherizing, replacing windows and exterior doors with low E windows and insulated doors, and replacing old appliances with Energy Star appliances.

Steigerwald Lake NWR / Ridgefield NWRC

Project will make the office energy efficient by replacing incandescent bulbs with compact fluorescent bulbs, replacing T-12 florescent bulbs and ballasts with T-8 bulbs and ballasts, increasing insulation in the basement ceiling and attic, air testing and sealing all leaks, replacing all 17 single-pane windows with low E windows, and replacing the old refrigerator with an Energy Star refrigerator.

Tualatin River NWR

Project will make refuge buildings energy efficient by replacing incandescent lights with compact fluorescents, replacing incandescent exit lights with LED exit lights, replacing T-12 lights and ballasts with T-8 lights and ballasts, installing timers on exterior lights, installing motion detectors in periodically used rooms, increasing ceiling insulation, insulating crawl space walls and floor joists,

insulating walls, wrapping water heaters, installing programmable thermostats, weatherizing all buildings, replacing windows and doors with low E window and insulated doors; and replacing old appliances with Energy Star appliances.

Turnbull NWR / Inland NW NWRC

Project will implement energy conservation measures in the shop, environmental education classroom, residence, fire cache, comfort station, and bunkhouse.

Willapa NWR / Willapa NWRC

Project will replace all incandescent lights with compact fluorescents and replace all incandescent exit lights with LED exit lights.

William L. Finley NWR / Willamette NWRC

Project will make the quarters energy efficient by replacing incandescent lights with compact fluorescents, replacing single-pane windows with low E windows, insulating the attic with R-30, weatherizing, and replacing old appliances with Energy Star appliances. It will also make the new office more energy efficient by purchasing and installing 10 solar tubes.

Region 1 Energy Audits

Region-wide energy audits to determine need, designed to help Region 1 facilities meet standards set by the Energy Policy Act of 2005, the Energy Independence and Security Act of 2007, and Executive Order 13423.