

CONSERVING OUR RESOURCES SAVE WATER, SIP ENERGY

60% POTABLE WATER REDUCTION COMPARED TO OREGON CODE.



RAINWATER COLLECTION

THE ROOF CANOPY WILL COLLECT 600,000 GALLONS OF RAINWATER A YEAR. RAINWATER IS STORED FOR RE-USE IN A 165,000 GALLON CISTERN IN THE BASEMENT.



WATER CONSERVING FIXTURES

RAINWATER FROM THE CISTERN IS USED TO FLUSH TOILETS, REDUCING THE NEED FOR POTABLE WATER. LOW-FLOW FIXTURES INSTALLED THROUGHOUT THE BUILDING CUT CONSUMPTION BY 33%.



IRRIGATION

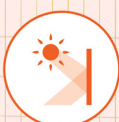
THE LANDSCAPE IS IRRIGATED WITH RE-USED RAINWATER FROM THE CISTERN. THE PLANTERS ALSO DRAIN TO THE CISTERN ADDING ANOTHER CYCLE OF RE-USE.



MECHANICAL COOLING TOWER

THE BUILDING'S TOTAL WATER USAGE FOR MECHANICAL SYSTEMS WILL BE REDUCED 7% BY RE-USING RAINWATER TO REPLENISH COOLING TOWER WATER.

55% ENERGY SAVINGS COMPARED TO THE OLD EGWW.



SHADING DEVICES

EXTERIOR SHADING ON THE WEST, SOUTH AND EAST FACADES KEEP THE BUILDING COOL BY BLOCKING DIRECT SUN & REDUCING HEAT GAIN.



SOLAR PV PANELS

THE ROOF CANOPY HOLDS 13,000 SF OF SOLAR PHOTOVOLTAIC PANELS AND IS CAPABLE OF PRODUCING 200,000 KWH OF ENERGY ANNUALLY.



LIGHTING & DAYLIGHTING

EXTERIOR LIGHTSHELVES BOUNCE DAYLIGHT UP TO 16 FEET INTO THE BUILDING. ENERGY EFFICIENT FIXTURES WITH LIGHTING CONTROLS REDUCE LIGHTING ENERGY USAGE BY 40% OVER OREGON CODE.



PLUG LOADS

PLUG LOADS INCLUDE EVERYTHING BUILDING OCCUPANTS CONNECT TO POWER, AND CAN REPRESENT UP TO 20% OF TOTAL ENERGY USE. USING ENERGY STAR APPLIANCES, LAPTOPS, AND LCD MONITORS HELP REDUCE CONSUMPTION.



RADIANT CEILING PANELS

A RADIANT SYSTEM USES WATER TO DELIVER HEATING AND COOLING FROM THE CEILING. THE RADIANT SYSTEM USES 32% LESS ENERGY THAN A COMPARABLE AIR SYSTEM.



REGENERATIVE ELEVATORS

DESTINATION DISPATCH ELEVATORS GROUP PASSENGER TRIPS REDUCING WAIT TIMES AND ENERGY USE. THESE ELEVATORS GENERATE ELECTRICITY ON THEIR TRIP DOWN.

EDITH GREEN-WENDELL WYATT
FEDERAL BUILDING