CONSERVING OUR RESOURCES
SAVE WATER, SIP ENERGY

60% POTABLE WATER REDUCTION
COMPARSED 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 385,000 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
COMPARSED TO THE OLD EDITION.

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

LIGHTING & DAYLIGHTING
EXTERIOR LIGHTSHIELDS BOUNCE DAYLIGHT UP TO 15 FEET INTO THE BUILDING. ENERGY EFFICIENT FIXTURES WITH LIGHTING CONTROLS REDUCE LIGHTING ENERGY USAGE BY 40% OVER OREGON CODE.

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.

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 30% 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
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