

# Plant-based Research & Application in the Northwest



Hamilton West Apartments Green Roof, Portland Oregon

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START/ 1999

COMPLETION

LOCATION Portland Oregon

AGENCY Portland Bureau of Environmental Services

Housing Authority of Portland

DESCRIPTION Hamilton West Apartments is a ten-story mixed use building in downtown Portland. The roof is 8700 square feet of which 5100 square feet are planted in sedums, delosperma, sempervivum, native and non-native wildflowers. Two different substrate depths were used: 3" and 5". The roof is irrigated during the summer. Weeding is done once/year. Water quality, stormwater detention and attenuation are monitored.

## PERFORMANCE

100% retention for summer storm events; 53.5% over a 27-month period.

Some grasses and weeds have established themselves on the roof.

## LINKS:

Portland's Ecoroof website

[www.portlandonline.com/bes/](http://www.portlandonline.com/bes/)

green roofs