



**Table – Strategies and Performances targeted by Vortisand® filters for LEED®-NC certification.**

LEED® NC Credit	Sustainable Strategies	Potential Points	Credit Relevance	Vortisand® Application	Targeted Performances
SSc6.2	Stormwater Design Quality Control	1	Direct	Graywater / stormwater polishing	Stormwater management plan reduces impervious cover, promotes infiltration, and captures and treats the stormwater runoff from 90% of the average annual rainfall using acceptable Best Management Practices (BMPs). BMPs must remove 80% of Total Suspended Solids (TSS).
WEc1.1	Water Efficient Landscaping: Reduce by 50%	1	Indirect	Graywater / stormwater polishing: irrigation	Reduce potable water consumption for irrigation by 50% from a calculated mid-summer baseline case, thru the use of captured rainwater and recycled wastewater.
WEc1.2	Water Efficient Landscaping: No Potable Water Use or No Irrigation	1	Indirect	Graywater / stormwater polishing: irrigation	Eliminate the use of potable water for landscape irrigation. Use only captured rainwater, recycled wastewater, recycled graywater, or non-potable water treated by public agency.
WEc2	Innovative Wastewater Technologies	1	Direct	Graywater reuse / stormwater polishing	OPTION 1- Reduce potable water use for building sewage conveyance by 50%. OPTION 2 - Treat 50% of wastewater on-site to tertiary standards. Treated water must be infiltrated or used on-site. Onsite wastewater treatment systems (packaged biological nutrient removal systems, constructed wetlands, high efficiency filtration systems). Reuse stormwater or graywater for sewerage conveyance.
WEc3.1	Water use Reduction: 20% (not including irrigation)	1	Indirect	Graywater reuse / stormwater polishing	Employ strategies that use 20% less water than the water use baseline calculated for the building after meeting the Energy Policy Act of 1992 fixture performance requirements. Calculations are based on estimate occupant usage and include only toilets, urinals, faucets, showers, and kitchen sinks. Benefits from using stormwater/graywater.
WEc3.2	Water use Reduction: 30% (not including irrigation)	1	Indirect	Graywater reuse / stormwater polishing	Employ strategies that use 30% less water than the water use baseline calculated for the building after meeting the Energy Policy Act of 1992 fixture performance requirements. Calculations are based on estimate occupant usage and include only toilets, urinals, faucets, showers, and kitchen sinks. Benefits from using stormwater/graywater.
EAp2	Minimum Energy Performance	0	Indirect	Cooling tower Filtration	Water filtration of the cooling system and reduction of the losses of energy effectiveness in order to maintain the initial performance.
EAc1	Optimize Energy Performance	1	Indirect	Cooling tower Filtration	Water filtration of the cooling system and reduction of the losses of energy effectiveness in order to maintain the initial performance.
IDc1.1	Innovation in design (WEc2)	1	Direct	Innovative Wastewater Treatment Technologies	An additional point can be granted for the treatment of 100% of wastewater on-site to tertiary standards. Reuse stormwater or graywater for sewerage conveyance.
IDc1.2	Innovation in design (WEc3)	1	Indirect	Exemplary Performance Participation	An exemplary performance can be allotted when the design case reaches 40% of water use reduction.