

WATER FIXTURE & FITTINGS UPGRADE POLICY

To learn more please visit the sustainability section of our website:
www.slgreen.com or contact Jay Black, SL Green's director of
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The intent of this plan is to set guidelines for water fixture/fittings upgrades or renovations, to reduce overall water consumption within the building.

What fixtures are affected?

This policy applies to the upgrades of the following indoor water fixtures and fittings:

- Bathroom faucets
- Pantry/Janitorial sinks
- Water closets
- Urinals
- Showerheads

What kind of low-flow fixtures should be installed?

For all new construction or renovation work that involves replacing or upgrading indoor plumbing fixtures and fittings, the party changing the fixture should choose fixtures and fittings that comply with the building's targeted flow-rates for any new plumbing fixture upgrade or replacement, or at a minimum, with UPC requirements, as long as it is economically feasible and within budget of the project. Any upgrade/renovation that does not meet these standards should show a study indicating it is not possible.

The following table lists fixtures and the required flow rates that were mandated in the UPC and part of the building code, as well as CodeGreen recommendations:

	UPC 2006 Requirement	CodeGreen Typical Recommendations
Water Closet	1.6 gallons per flush (gpf)	1.28 gpf
Urinal	1.0 gpf	0.125 gpf (pint-flush)
Showerhead	2.5 gallons per minute (gpm)	< 1.5 gpm
Public Lavatory Faucet: non-metering	0.5 gpm	0.5 gpm (with metering)
Kitchen & Janitorial/Pantry Faucet	2.2 gpm	1.5 gpm

How do we know how much water is being saved?

An assessment to account for the potential water supply, water disposal cost savings and maintenance cost savings will be performed. In order to determine the economic feasibility of integrating UPC compliant fixtures and fittings, building management will perform an economic assessment of a conversion to high-performance plumbing fixtures and fittings as part of any future indoor plumbing renovations versus UPC compliant fixtures and SL Green standards.

What are compliant fixtures?

See attached cut sheets of sample low-flow plumbing fixtures for consideration.

What are our LEED responsibilities?

Not only is it necessary to meet UPC requirements to become LEED Certified, but reducing water usage at the building up to **30%** can result in the gain of up to five (5) LEED points.

If any water fixture in the building is added, removed or replaced, send CodeGreen an update of this change as follows. In addition attach a specification sheet of the fixture that indicates flush or flow-rate.

Fixture type	Quantity / Location	Added/ Removed/ Replaced	Original Flush/Flow-rate (GPF/GPM)	New Flush/Flow-rate (GPF/GPM)
Example: Water Closet	(6) on Floor 3	Replaced	1.6 GPF	1.28 GPF

Who is responsible for making sure the plan is followed?

The Facility Manager, and Chief Engineer, will ensure that the above procedure and strategies are implemented in the facility, to ensure that the policy is being met.

When does the policy go into effect?

This policy is effective as of **immediately** and will be revised annually as per contract renewals.



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