



ALWAYS COMMITTED TO GREEN BUILDING
AND WATER-EFFICIENT PRODUCTS

STERN “LEEDS” THE WAY

Stern: Your Partner in Water Conservation and LEED Certification

Stern Engineering supports sustainable construction with cutting-edge, touchless fixtures designed for exceptional water efficiency, helping projects achieve the highest LEED certification levels.

Under LEED v5, Stern products excel in the Water Efficiency (WE) category, earning up to **6 points** through significant water savings:

- **Toilet Flush Valves:** Reduce usage to **1.1 gpf**, saving 14% more water.
- **Urinal Flush Valves:** Ultra-low-flow models at **0.125 gpf** achieve a 75% reduction.
- **Touchless Faucets:** Flow rates as low as **0.15 gpm**, delivering up to 70% water savings.
- **Shower Heads:** Save 47% water, using just **1.06 gpm**.

Stern’s solutions not only meet but exceed LEED v5 standards, maximizing water conservation while ensuring exceptional hygiene and functionality. Partner with Stern for sustainable, environmentally responsible building practices.

Commercial Fixtures, Fittings, and Appliances	LEED v5 Baseline (IP Units)	LEED v5 Baseline (SI Units)	Stern Best Solutions (IP Units)	Stern Best Solutions (SI Units)	Water Savings (%)
Flush Valves for Toilets	1.28 gallons per flush (gpf)	4.8 liters per flush (lpf)	Single Flush: 1.1 gpf	Single Flush: 4.2 lpf	14%
Flush Valves for Urinals	0.5 gpf	1.9 lpf	Ultra-Low Flow: 0.125 gpf	Ultra-Low Flow: 0.5 lpf	75%
Touchless Faucets	0.5 gallons per minute (gpm) at 60 psi	1.9 liters per minute (lpm) at 415 kPa	0.35 gpm / 0.15 gpm (adjustable)	1.32 lpm / 0.57 lpm (adjustable)	30% / 70%
Shower Heads	2.0 gpm at 80 psi	7.6 lpm at 550 kPa	1.06 gpm at 50 psi	4.0 lpm at 350 kPa	47%
Water Reuse Systems	No baseline requirement	No baseline requirement	Rainwater/Greywater Reuse Available	Rainwater/Greywater Reuse Available	N/A

* Touchless Faucets: reflect the ability to operate at 0.15 gpm for up to 70% water savings, alongside the standard 0.35 gpm setting for 30% water savings.
* Water Reuse Systems: Savings depend on implementation and local water supply usage; therefore, a percentage cannot be calculated.



- Notes:
- LEED v5 Standards:**
 - o Updated baselines focus on water efficiency and incentivize ultra-low flow fixtures and reuse systems.
 - o Projects can earn additional credits by surpassing these baselines.
 - Stern Best Solutions:**
 - o Stern’s fixtures outperform LEED v5 baselines, helping achieve maximum water efficiency credits.
 - o Stern products allow for flexible water-saving solutions tailored to meet project needs while maximizing LEED points.
 - o The dual faucet flow options provide builders with enhanced opportunities to achieve water efficiency go
 - o Products like touchless faucets and ultra-low flow urinals promote sustainability and hygiene.