

NONRESIDENTIAL VOLUNTARY MEASURES

**TABLE A5.303.2.2
WATER USE BASELINE³**

FIXTURE TYPE	BASELINE FLOW RATE	DURATION	DAILY USES	OCCUPANTS ²
Showerheads	2.0 gpm @ 80 psi	5 min.	1	X ^{2a}
Lavatory faucets nonresidential	0.5 gpm @ 60 psi	.25 min.	3	X
Kitchen faucets	1.8 gpm @ 60 psi	4 min.	1	X ^{2b}
Replacement aerators	2 gpm @ 60 psi			X
Wash fountains	1.8 gpm/20 [rim space (in.) @ 60 psi]			X
Metering faucets	0.20 gallons/cycle	.25 min.	3	X
Metering faucets for wash fountains	0.20 gallons/cycle/20 [rim space (in.) @ 60 psi]	.25 min.	1 male ¹ 3 female	X
Gravity tank type water closets	1.28 gallons/flush	1 flush	1 male ¹ 3 female	X
Flushometer tank water closets	1.28 gallons/flush	1 flush	1 male ¹ 3 female	X
Flushometer valve water closets	1.28 gallons/flush	1 flush	1 male ¹ 3 female	X
Electromechanical hydraulic water closets	1.28 gallons/flush	1 flush	1 male ¹ 3 female	X
Urinals	0.5 or 0.125 ⁴ gallons/flush	1 flush	2 male	X

- The daily use number shall be increased to three if urinals are not installed in the room.
- Refer to Table A, Chapter 4, 2019 *California Plumbing Code*, for occupant load factors.
 - Shower use by occupants depends on the type of use of a building or portion of a building, e.g., total occupant load for a health club, but only a fraction of the occupants in an office building as determined by the anticipated number of users.
 - Kitchen faucet use is determined by the occupant load of the area served by the fixture.
- Use worksheet WS-1 to calculate baseline water use.
- Floor-mounted urinals @ 0.5 GPF or wall-mounted urinals @ 0.125 GPF.

**TABLE A5.303.2.3.1
FIXTURE FLOW RATES**

FIXTURE TYPE	BASELINE FLOW RATE ²	MAXIMUM FLOW RATE AT ≥ 12 PERCENT REDUCTION
Showerheads	2.0 gpm @ 80 psi	1.8 gpm @ 80 psi
Lavatory faucets nonresidential ³	0.5 gpm @ 60 psi	0.35 gpm @ 60 psi
Kitchen faucets ³	1.8 gpm @ 60 psi	1.6 gpm @ 60 psi
Wash fountains	1.8 gallons/cycle/20 [rim space (in.) @ 60 psi]	1.6 gpm/20 [rim space (in.) @ 60 psi]
Metering faucets	0.20 gallons/cycle	0.18 gallons/cycle
Metering faucets for wash fountains	0.20 gallons/cycle/20 [rim space (in.) @ 60 psi]	0.18 gallons/cycle 20 [rim space (in.) @ 60 psi]
Gravity tank type water closets	1.28 gallons/flush	1.12 gallons/flush ¹
Flushometer tank water closets	1.28 gallons/flush	1.12 gallons/flush ¹
Flushometer valve water closets	1.28 gallons/flush	1.12 gallons/flush ¹
Electromechanical hydraulic water closets	1.28 gallons/flush	1.12 gallons/flush ¹
Urinals	0.5 or 0.125 ⁴ gallons/flush	0.44 or 0.11 gallons/flush

- Includes water closets with an effective flush rate of 1.12 gallons or less when tested per ASME A 112.19.2 and ASME A 112.19.14.
- See Table A5.503.2.2 for additional notes and references.
- Where complying faucets are unavailable, aerators rated at 0.35 gpm or other means may be used to achieve reduction.
- Floor-mounted urinals @ 0.5 GPF or wall-mounted urinals @ 0.125 GPF.