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As a preliminary assistance to authors, who must now prepare their papers and notes in SI units, the ASCE Committee on Metrication recommends the following conversion factors:

To convert	To	Multiply by
acre-foot (acre-ft)	m ³ (cubic meter)	1.23 × 10 ³
acre (acre)	ha (hectare)	0.405
atmosphere (atm)	Pa (pascal)	1.01 × 10 ⁵
cubic feet per second (cfs)	m ³ /s	0.028
°F	°C	[subtract 32 and divide by 1.8]
inch (in.)	mm (millimeter)	25.4
kilogram force (kgf)	N (newton)	9.81
kilogram-force-meter	N · m (newton-meter)	9.81
mile (mi)	km (kilometer)	1.61
millions of gallons per day (mgd)	m ³ /s	4.38 × 10 ⁻²
pound force (lbF)	N (newton)	4.45
pound-force/inch	N/m (newton/meter)	1.75
pound force per square inch (psi)	kPa (kilopascal)	6.89
pound mass (lbm)	kg (kilogram)	0.454
U.S. gallon (gal)	L (liter)	3.79

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