

FAC 8271 Chilled Water and Refrigeration Distribution Line

RUC: \$88.28 LF

Source: Marshall & Swift adjusted for area and inflation using Marshall & Swift Section 99.
In V12, Tri-Service and USACE PAX Newsletter values were updated while all other values were inflated only.

Calculation as follows:

			Low	High				
8271	62/3	6" Steel Pipe,	40.4	46	Average =	43.2	Sup/Rtn	86.4
	June 08	Valves 1/block	1495	1830	Average =	1662.5	Per LF =	5.037879
		Total						91.43788
		Adjust for DC				1.03		94.18102

SUC: \$3.44 LF

Source: 2008 R.S. Means Facilities Maintenance and Repair Cost Book
Projected to FY-09 using Green Book Table 5-6 (O&M less DHP)
In V12, values were inflated only.

Calculation as follows:

FAC 8271, Chilled Water and Refrigerant Distribution Line
Design Life = 28

Source: RS Means, FM&R, 2008		R&M		PM	Total
Assume 1 valve/block (330 ft)		Freq			
D2025-140-1950	Gate Valve	1		19.15	19.15
D3043-550-1180	Repair Insulation	5	38.9		7.78
D2023-156-0050	Replace Valve 10"	10	5529		552.9
	Total annual				579.83
	Total annual per LF				1.757061
	Supply and Return				3.514121

Assume this is inventoried point to point; scf is doubled to account for return line