

# INSTANT-OFF Pro Series and Water Saver Faucet Water Savings Calculations - Food Industry Hand-Wash Stations

## Utility Costs

Cost of Gas per Therm	\$0.49
Cost of Gas per MMBtu	\$4.90
Cost of Water per CCF	\$2.38
Sewage Cost per CCF	\$2.00

## Yearly Water & Sewage Savings Calculator

	Current	INSTANT-OFF	Savings	
Gallons per Minute	2.20	1.50	0.70	
Number of Employees/day in restaurant	8.0	8.0		
Number of hand-washes/hour/employee	3.0	3.0		
Number of hand-washes/employee/day	24.0	24.0		
Water Flowing (seconds) during 20 second hand-wash	30	12	18	
Hours per day of Faucet use	1.60	0.64	-	
Gallons used Daily	211	58	154	
Operating Days	363	363		
Gallons used Yearly	76,666	20,909	55,757	
Gallons Converted to CCF**	102	28	75	
Yearly Cost of Water	\$243.94	\$66.53	\$177.41	Annual Water Savings
Yearly Cost of Sewage	\$204.99	\$55.91	\$149.08	Annual Sewage Savings

## Yearly Water Heating Savings

	Current	INSTANT-OFF	Savings	
Gallons used Yearly	76,666	20,909	55,757	
Pounds of Water used Yearly***	638,624	174,170	464,454	
Temperature Rise in Degrees F	60	60	-	
MMBTU Usage	38	10	28	
Water Heater Efficiency	80.0%	80.0%		
MMBTU Usage given Efficiency	48	13	35	
Percent of Hot Water	50.0%	50.0%		
Yearly Cost of Natural Gas	\$117.35	\$32.00	\$85.34	Annual Fuel Savings
			\$177.41	Annual Water Savings
			\$149.08	Annual Sewage Savings
			\$85.34	Annual Fuel Savings
			\$411.83	Total Annual Utility Savings

\*\* (CCF = 100 cubic feet = 748 gallons)

\*\*\* (1 gallon = 8.33 pounds)