

OU Auxiliary Utility Rates FY 2011

Electric Rate

Electricity Average Cost	\$	0.077	per kW-hour
Transportation cost to OU	\$	-	per kW-hour
Transportation cost to Auxiliary	\$	0.010	per kW-hour

TOTAL RATE **\$ 0.0870** per kW-hour

For Reference: Detroit Edison - General Service Rate D3 = \$0.0995 per kW-hour

Natural Gas Rate

Averaged Annual Gas Cost	\$	7.900	per MMBtu
Transportation cost to OU	\$	0.66	per MMBtu
Transportation cost to Auxiliary	\$	1.10	per MMBtu

Total cost	\$	9.66	per MMBtu
Conversion to MCF	1.00		MMBtu per MCF

\$ 9.66 per MCF

TOTAL RATE \$ 0.97 per CCF

*CCF = 100 Cubic Feet, MCF = Million Cubic Feet, MMBTU = Million British Thermal Units
Consumers Energy bill in CCF, so this unit is used for the SA for comparison to the Consumers billings*

Water & Sewer Rate

Auburn Hills Water Cost	\$	0.0175	per cubic feet
Auburn Hills Sewer Cost	\$	0.0175	per cubic feet
Transportation cost to Auxiliary	\$	0.0035	per cubic feet

TOTAL RATE **\$ 0.0385** per cubic feet

High Temperature Hot Water MMBTU Cost Calculation

Item	ADD	Cost per MMBTU	Notes
Item	ADD	Cost per MMBTU	
Natural Gas Cost		\$ 8.5600	Raw fuel input to boilers = avg annual gas cost + transp to OU
Boiler Efficiency	\$ 2.14	\$ 10.7000	Add cost to convert natural gas to hot water, boiler losses
Central Plant O&M	\$ 1.07	\$ 11.7700	Add cost to run power house: pumping power, labor, and maint.
Distribution System Eff.	\$ 2.94	\$ 14.7125	Add cost for distribution system losses
Metering & Disrib. O&M	\$ 0.74	\$ 15.4481	Add cost for metering, data collection, analysis, & billing
TOTAL Cost		\$ 15.4481	