

## OU Auxiliary Utility Rates FY 07

### Electric Rate

Electricity Average Cost	\$	0.070	per kW-hour
Transportation cost to OU	\$	-	per kW-hour
Transportation cost to Auxiliary	\$	0.012	per kW-hour
Viron ESA Support	\$	0.005	per kW-hour
<b>TOTAL RATE</b>	<b>\$</b>	<b>0.0870</b>	<b>per kW-hour</b>

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

### Natural Gas Rate

Averaged Annual Gas Cost	\$	8.400	per MMBtu
Transportation cost to OU	\$	0.62	per MMBtu
Transportation cost to Auxiliary	\$	1.10	per MMBtu
Viron ESA Support	\$	0.20	per MMBtu
Total cost	\$	10.32	per MMBtu
Conversion to MCF	1.03		MMBtu per MCF
<b>TOTAL RATE</b>	<b>\$</b>	<b>10.02</b>	<b>per MCF</b>
	<b>\$</b>	<b>1.00</b>	<b>per CCF</b>

*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	\$	0.0168	per cubic feet
Auburn Hills Sewer Cost	\$	0.0168	per cubic feet
Transportation cost to Auxiliary	\$	0.0020	per cubic feet
<b>TOTAL RATE</b>	<b>\$</b>	<b>0.0355</b>	<b>per cubic feet</b>

### High Temperature Hot Water MMBTU Cost Calculation

Item	ADD	Cost per MMBTU	Notes
Natural Gas Cost		\$ 9.0200	Raw fuel input to boilers = avg annual gas cost + transp to OU
Boiler Efficiency	\$ 2.26	\$ 11.2750	Add cost to convert natural gas to hot water, boiler losses
Central Plant O&M	\$ 1.13	\$ 12.4025	Add cost to run power house: pumping power, labor, and maint.
Distribution System Eff.	\$ 3.10	\$ 15.5031	Add cost for distribution system losses
Metering & Disrib. O&M	\$ 0.78	\$ 16.2783	Add cost for metering, data collection, analysis, & billing
<b>TOTAL Cost</b>		<b>\$ 16.2783</b>	