

## OU Auxiliary Utility Rates FY 06

### Electric Rate

Electricity Average Cost	\$	0.066	per kW-hour
Transportation cost to OU	\$	-	per kW-hour
Transportation cost to Auxiliary	\$	0.010	per kW-hour
Viron ESA Support	\$	0.005	
<b>TOTAL RATE</b>	<b>\$</b>	<b>0.0810</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	\$	5.85	per MMBtu
Transportation cost to OU	\$	0.55	per MMBtu
Transportation cost to Auxiliary	\$	0.25	per MMBtu
Viron ESA Support	\$	0.25	per MMBtu
Total cost	\$	6.90	per MMBtu
Conversion to MCF		1.03	MMBtu per MCF
	<b>\$</b>	<b>6.70</b>	<b>per MCF</b>
<b>TOTAL RATE</b>	<b>\$</b>	<b>0.67</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		\$ 6.4000	Raw fuel input to boilers = avg annual gas cost + transp to OU
Boiler Efficiency	\$ 1.60	\$ 8.0000	Add cost to convert natural gas to hot water, boiler losses
Central Plant O&M	\$ 0.80	\$ 8.8000	Add cost to run power house: pumping power, labor, and maint.
Distribution System Eff.	\$ 2.20	\$ 11.0000	Add cost for distribution system losses
Metering & Disrib. O&M	\$ 0.55	\$ 11.5500	Add cost for metering, data collection, analysis, & billing
<b>TOTAL Cost</b>		<b>\$ 11.5500</b>	