

## OU Auxiliary Utility Rates FY 2010

### Electric Rate

Electricity Average Cost	\$	0.075	per kW-hour
Transportation cost to OU	\$	-	per kW-hour
Transportation cost to Auxiliary	\$	0.010	per kW-hour

**TOTAL RATE** **\$ 0.0850** per kW-hour

*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	\$	0.66	per MMBtu
Transportation cost to Auxiliary	\$	1.10	per MMBtu

<b>Total cost</b>	\$	10.16	per MMBtu
<b>Conversion to MCF</b>	1.00		MMBtu per MCF

**TOTAL RATE** **\$ 10.16** per MCF  
**\$ 1.02** 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	\$	0.0181	per cubic feet
Auburn Hills Sewer Cost	\$	0.0181	per cubic feet
Transportation cost to Auxiliary	\$	0.0035	per cubic feet

**TOTAL RATE** **\$ 0.0397** per cubic feet

### High Temperature Hot Water MMBTU Cost Calculation

Item	ADD	Cost per MMBTU	Notes
<b>Item</b>	<b>ADD</b>	<b>Cost per MMBTU</b>	
Natural Gas Cost		\$ 9.0600	Raw fuel input to boilers = avg annual gas cost + transp to OU
Boiler Efficiency	\$ 2.27	\$ 11.3250	Add cost to convert natural gas to hot water, boiler losses
Central Plant O&M	\$ 1.13	\$ 12.4575	Add cost to run power house: pumping power, labor, and maint.
Distribution System Eff.	\$ 3.11	\$ 15.5719	Add cost for distribution system losses
Metering & Disrib. O&M	\$ 0.78	\$ 16.3505	Add cost for metering, data collection, analysis, & billing
<b>TOTAL Cost</b>		<b>\$ 16.3505</b>	