



Mpower Minor Project Worksheet

Water Cooler Removal- Task # 2

Project Name	Replacement of Water Coolers	
Project Manager	Kelly Miess/ Tony Nastasi	
Action topic	<i>Improve Energy Efficiency</i>	
Project Description		
Discontinue use of water coolers in the office. Choose an alternative source for drinking water that includes tap water or a reverse osmosis system. In addition to reducing our carbon emissions and cost savings by implementing an alternative system, we can really on a water resource that is already part of our infrastructure. This eliminates a portion of green house gas emissions from water and bottle production, product delivery and use of water from environmentally critical aquifers.		
Project Definition		
Project Goals	<ol style="list-style-type: none"> 1. Discontinue use of water coolers. 2. Research and select alternative drinking water sources. 	
How will progress be measured?	Because we want to encourage use of drinking water as a healthy and sustainable choice, alternative source research will be presented to the office prior to decision making. Selected employees will sample alternative water source to ensure the quality and taste prior to the switch.	
Expected environmental benefits	JJR currently utilizes two water coolers, by discontinuing service; we will save a total of 1095 kwh per water cooler, reducing our carbon emissions by 5475 lbs . This does not include embodied energy that goes into the bottling and shipment process.	Quick Conversion Factors <ul style="list-style-type: none"> • 2.22 lbs CO₂ / kWh saved • 11.76 lbs CO₂ / therm saved • 4.4 lbs CO₂/ 1000 gallons water • 19.56 lbs CO₂ / gallon of gas saved
Implementation Plan <i>(Due dates and durations)</i>		
1/10/09- calculate energy usage of water coolers using "Watts Up" tool 2/10/09- Kelly and Tony to research reverse osmosis systems 2/15/09- Culligan to perform a tap water analysis 2/30/09- Implement reverse osmosis system On going- Monitor water quality and electrical usage of reverse osmosis system		

Management Sign-Off

_____ Date: _____
SIGNATURE

Direct questions about this document to: NAME, DEPARTMENT at TELEPHONE or EMAIL