

Polywell Energy Conservation Policy

Overview

**Goals**

We are committed to buying and using energy in the most cost-effective, efficient and environmentally responsible way possible.

To achieve this, we will:

• Improve energy efficiency continuously by implementing effective energy management programs that support all operations and customer satisfaction while providing a safe and comfortable work environment.

• Become one of the most energy-efficient organizations in our industry on a kilowatt-hour per square foot basis.

**Objectives**

*In order to achieve the above goals, we will employ the following methods:*

• Benchmark energy use of all facilities by the end of each fiscal year, which is December 31.

• Compared with 2013 baseline, reduce CO2 emissions by:
 10 percent by 2016, and
 15 percent by 2020.

• CO2 emissions shall be calculated from the converter available through the EPA, by converting the following:
 - total electricity consumed for that year in kWh; and

 - total natural gas consumed for that year in therms

• ENERGY BENCHMARK shall be performed every year on the last week of every fiscal year.

• Educate employees about how to save energy at work. Specifically:

* Turn off all electricity in places where and when not needed. Turn off lights when exiting bathroom, conference room and coffee room; turn off all electrical devices when not in use – employees should turn off power to the PC during lunch break.
* The general guideline for the thermostat setting shall be 68F during the winter and 78F during the winter.

**Applicability**

This policy shall apply to all facilities, business units and employees. This shall become part of the Employee Handbook and becomes effective on 01/01/2013.

**Manager in charge of this policy**

This policy shall be enforced and monitored by Jenny Lin.

CO2 Emissions Report - Converted from Electricity & Natural Gas Consumption

|  |  |  |  |
| --- | --- | --- | --- |
| Electricity |  |  |  |
| Year | CO2 Emissions -Metric Tons  | CO2 Emissions Change from 2013 (%) | Reduction Goal from 2013 |  |  |
| 2013 | 28.8 | 1.00 | - |  |  |
| 2014 | 28.8 | 1.00 | - |  |  |
| 2015 | 28.1 | 0.98 | - |  |  |
| 2016 | 24.2 | 0.84 | 0.90 | 2016 Goal has been met |  |
| 2017 |   | TBA |   |  |  |
| 2018 |   |   |   |  |  |
| 2019 |   |   |   |  |  |
| 2020 |   |   | 0.85 |  |  |
|  |  |  |  |  |  |
| Natural Gas |  |  |  |  |
| Year | CO2 Emissions -Metric Tons  | CO2 Emissions Change from 2013 (%) | Reduction Goal from 2013 |  |  |
| 2013 | 10.2 | 1.00 | - |  |  |
| 2014 | 10.1 | 0.99 | - |  |  |
| 2015 | 10 | 0.98 | - |  |  |
| 2016 | 5 | 0.49 | 0.90 | 2016 Goal has been met |  |
| 2017 |   | TBA |   |  |  |
| 2018 |   |   |   |  |  |
| 2019 |   |   |   |  |  |
| 2020 |   |   | 0.85 |  |  |

Actual usage figures available upon request.

PROGRESS REPORT:

* As of Jan. 2017, we have met our goals for 2016.