

GROUNDWATER SCIENCES CORPORATION

Energy Conservation and Fuel Consumption Efficiency Plan

Groundwater Sciences Corporate Energy Conservation and Fuel Consumption Efficiency Plan is part of the Corporate Social Responsibility policy and Environmental Management System. GSC strives to integrate this Plan into overall business processes, thereby making corporate responsibility and environmental considerations a routine part of all business decisions.

Plan Framework:

Protecting the environment is extremely important to us and is a significant part of our reputation as a responsible business. The effect we have on the environment depends on how we work, together with our supply chain. Our goal is to reduce any impact we may have and look for ways to improve our operations.

Core Elements and Objectives of the Plan:

- Be environmentally responsible in the practice of our trade by reducing our carbon footprint (Scope 1 and Scope 2 Green House Gas (GHG) Emissions)
- Use products during the course of daily activities that are safe, energy efficient, protective of the environment and are recyclable.
- Conduct periodic reviews and self-assessments to identify the status of performance and also areas for improvement

Measurement and Monitoring Methods:

Implementation of this Plan involves a two-tiered approach including *Energy Conservation and Energy Efficiency*. Energy conservation means reducing the level of energy use by turning down a thermostat, turning off a light or powering down unused office equipment. Energy efficiency means getting the same job done while using less energy.

GSC maintains three corporate offices in two states. A significant portion of our carbon footprint can be measured through the operations at these offices and from the operations of our fleet of service vehicles.

Electrical consumption costs for our three offices are apportioned to our lease space by square footage and are not directly traceable back to our office spaces. Although we cannot monitor the electrical usage in each office, we do monitor compliance with office energy conservation and energy efficiency efforts. Specific efforts implemented through November 2011 at each of our leased office buildings include the following:

- Installation of programmable thermostats to reduce or raise the temperature set points during off peak office hours. Programmable thermostats are present in our Harrisburg, PA and Beacon, NY offices and planned for installation in 2012 in our Vestal, New York office. Currently, the Vestal, NY office conducts daily

monitoring of the thermostat to maintain settings that conserve energy based on office usage.

- Installation of energy efficient lower wattage light bulbs. Completed in the Harrisburg, PA and Beacon, NY offices and planned for 2012 in the Vestal, NY office.
- Shutdown of computers, coffee makers, and other appliances when not in use.
- Installation of low flow plumbing fixtures and other energy efficient and water conservation devices, developed by the Owners of our leased office buildings in Harrisburg, PA and Beacon, NY.
- Installation of automatic motion sensor devices for typically unattended spaces, developed by the Owner of the leased office building in Harrisburg, PA.

Waste disposal at our three offices is the responsibility of the Owners of the office buildings. The Harrisburg, PA office includes separate containers for recyclable materials provided by the Owner. For the Beacon, NY and Vestal, NY offices GSC segregates recyclable materials independently. Given that management of office wastes are conducted by others, GSC is unable to measure the amount of waste generated or track potential reductions in wastes due to recycling efforts. However, GSC does monitor compliance of its employees with its overall recycling efforts by verifying, through monthly inspections by office managers, that employees are segregating office waste materials from recyclable materials.

GSC's only Scope 1 GHG emissions are from our fleet of field trucks, vans and minivans that are utilized by our three offices. We currently monitor fuel efficiency of these vehicles based on miles driven and gallons of fuel consumed. Scope 2 GHG emissions are associated with electricity use in each of our offices. Although we cannot monitor the level of energy used we can monitor compliance with our energy conservation and energy efficiency efforts listed above.

Implementation of this Plan will be in a phased approach. The first phase involves establishing a baseline for operations. A thorough review of Corporate energy consumption will include annual assessment of office energy consumption by insuring that conservation measures noted above remain effective and vehicle mileage per gallon rates for our fleet of service vehicles. The second phase will be to measure improvement with increased awareness toward our corporate goal of increasing overall fleet fuel efficiency by 4% per year.

Energy Conservation & Efficiency Guidelines for each Office:

- Turn off the lights in unused spaces. Install automatic, occupancy sensor room-lighting controls to turn lights on or off depending on occupancy or time of day.
- Replace old fluorescent lights with newer, more efficient models with electronic ballasts (Completed for Harrisburg, PA and Beacon, NY offices – planned for 2012 in Vestal, NY office).
- Purchase office equipment that displays the ENERGYSTAR logo

- Set energy-saving features on office equipment (to put them into sleep mode when not in use).
- Use programmable thermostats and adjust the settings to regulate the temperature during off-hours to avoid unnecessary heating and cooling costs (Implemented in the Harrisburg, PA and Beacon, NY offices – planned for implementation in 2012 in the Vestal, NY office).
- Manage work tasks to promote conservation, such as limiting consumption of office products and limiting production of waste materials.
- Recycle office waste materials whenever possible.

Energy Conservation & Efficiency Guidelines for Vehicle Use:

- Drive at or below the speed limit.
- Turn the vehicle off when not in use.
- Keep tire pressure inflated to recommended values.
- Keep the engine tuned; adhere to routine maintenance schedule.
- Fleet vehicle replacement should consider fuel efficiency as a primary basis for selecting the make and model to be purchased.

Company Targets (Goals):

- Achieve 4% Annual Energy Conservation.
- Recycle whenever possible with a goal of 100%.