

# Versatel

ESTIMATED CUMULATIVE RESULTS (2012-2013)

Versatel offers business customers comprehensive and bespoke telecommunications solutions directly on-site in Germany on the basis of a powerful infrastructure and the second largest fibre-optic network in Germany. That means that Versatel can offer both maximum security and quality along with regional and personal customer proximity.

Telecommunication made in Germany – uniquely Versatel.

**\$8,800**

IN AVOIDED ENERGY COSTS

**21**

METRIC TONS OF GHG EMISSIONS AVOIDED

## Key Environmental Performance Area: GREENHOUSE GAS EMISSIONS (ENERGY EFFICIENCY IN DATA CENTERS)

### RESULTS

Versatel has been measuring and reporting its energy consumption for many years and started actively measuring and managing energy reduction as part of the Green Portfolio Program in 2012. Versatel is focusing on improving energy efficiency at 25 data centers in Germany, which together account for 35% of its total energy footprint. To date, its focus has been on exchanging Uninterruptible Power Supplies (UPS) by selecting UPS with efficiency level of 96%, optimizing air flow management by testing different rigid enclosures (containment), and exchanging HVAC Systems. These efforts are expected to reduce energy consumption 30% in the following 10 years.

In 2013, GHG efficiency (GHGs/square meter) remained relatively flat with a small improvement. The improvements in UPS efficiency combined with optimized air flow management have helped Versatel to avoid approximately \$6,900 in costs, or approximately \$8,800, and an estimated 21 metric tons of GHG emissions since 2012.<sup>1</sup>

#### VGG: Fleet GHG Efficiency (2010 Baseline)

| Estimated Results                          | 2013    | Total   |
|--|---------|---------|
| Avoided GHGs (metric tons)                 | 21      | 21      |
| Avoided costs                              | \$8,800 | \$8,800 |
| Change in productivity (GHGs/square meter) | -0.2%   | -0.2%   |
| Change in absolute GHGs                    | -0.6%   | -0.6%   |

**Notes:**

- See [methodology section](#) for description of avoided and efficiency calculations.
- The total % change is aggregate change between the baseline year and the most recent year of data. All other % changes are expressed as year-over-year.
- Reported numbers are rounded and may not produce the same results when used to analyze percent changes or total impact.

## ACTIONS

In 2013, Versatel achieved these results by implementing the following practices:

- Replacing aged UPS models (efficiency level 88%) with new UPS models (efficiency level 95.5%)

## FUTURE PLANS

Through 2014 and for 2015, Versatel is continuing to focus on energy efficiency at its technical facilities and is considering or actively implementing initiatives, such as:

- Evaluating current preventative and predictive maintenance practices relative to energy consumption points and opportunities within HVAC
- Implementing more defined KPI to collect and track energy consumption data from 2014 onward

Versatel enrolled in the Green Portfolio Program in 2013 and is reporting results for the first time.

*Note: Reported numbers are rounded and may not produce the same results when used to analyze percent changes or total impact.*



<sup>1</sup> In 2013, Versatel measured data from 23 data centers as compared to 21 data centers in 2012. However, the average size of the data centers declined, thereby reducing the overall square meters of data center space.