Smithsonian Institution

2016 Scorecard on Sustainability and Energy Performance

In October 2009 President Obama issued Executive Order 13514 – Federal Leadership in Environmental, Energy, and Economic Performance. It established goals and priorities towards sustainability in the Federal government, and specified use of scorecards for periodic evaluation of performance in implementing the order. While the Smithsonian is a trust instrumentality of the United States^[1], and not an executive branch agency, we are committed to the strategic objectives of the order. Our January 2016 Sustainability/Energy scorecard is provided below.

The Smithsonian's mission is the increase and diffusion of knowledge. This public mission includes resource-intensive activities such as providing and maintaining environments suitable for storing and preserving collections and historic buildings; operating food service, museum shops, theaters, and other services for visitors; hosting hundreds of special events each year; and conducting scientific research. In 2016 the Smithsonian had more than 26 million visits to facilities, exhibits and lectures.

Green ratings on the scorecard indicate that the Smithsonian is on-track towards meeting goals including scope 1, 2 and 3 greenhouse gas emission reductions, use of renewable energy, reduction in potable water intensity, and reduction in fleet petroleum use. In fiscal year 2016, to support additional progress on energy use intensity, the Smithsonian completed the investment grade audit for the Zoo ESPC project, identified low-cost/no-cost measures that saved over \$250,000 in energy costs. The Smithsonian Institution also continued participation in the PJM Emergency Demand Response program.

Red ratings indicate room for improvement, and in fiscal year 2016 the Smithsonian continued to work on reducing energy intensity and greening buildings. Reducing energy to the level required to meet the Federal High Performance Building standard continues to be a challenge for our facilities that require 24/7 operation to protect collections. In September 2011, the National Museum of the American Indian became the first LEED certified Smithsonian museum, achieving certification at the silver level in the Existing Buildings rating system. Improvements

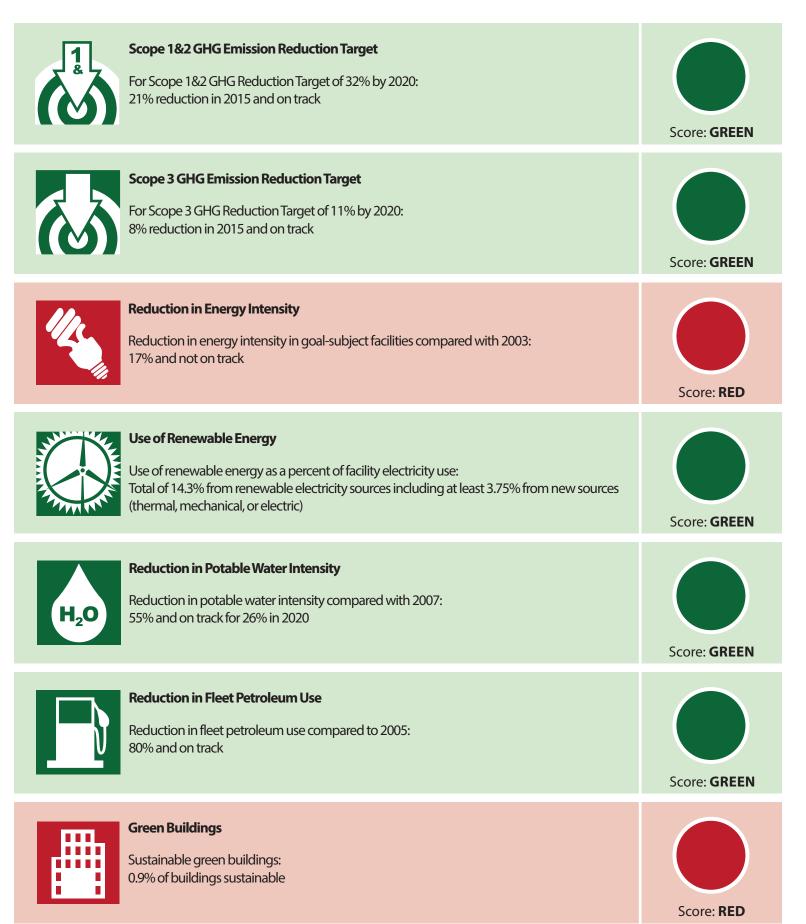
^[1] Recognized as a tax-exempt organization under Section 501(cc)(3) of the Internal Revenue Code

in energy efficiency, water efficiency, indoor environmental quality and sustainable site management were core elements of this multi-year effort at the museum. Smithsonian is working toward recertifying NMAI and identifying other buildings where LEED certification may be feasible. Also in fiscal year 2016, the Smithsonian continued construction for the comprehensive energy and water conservation project for the Suitland, Maryland facilities. This included the installation of 312 kW of on-site solar at the Mathias Lab building in Edgewater, MD. The Smithsonian also completed the Preliminary Assessment for the National Zoo Energy Performance Contract. The Zoo project is budgeted for \$20 million of energy and water conservation measures.

For more information on the Smithsonian Institution, including sustainability-related programs, please visit our website at: <u>www.si.edu</u>.

Smithsonian Institution

January 2016 OMB Scorecard on Sustainability/Energy



Standards for Success — Red Standard, Yellow Standard, Green Standard

