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Association for the Advancement of Sustainability in Higher Education
2401 Walnut Street Suite 102

Philadelphia, PA 19103

March 21, 2016

Re: MeteoViva Climate and STARS Innovation

Dear Ladies and Gentlemen,

This letter is in support of American University's STARS innovation credit. American University is currently implementing a pilot energy management program in their McKinley building using the MeteoViva Climate platform. MeteoViva Climate uses self-learning algorithms to calculate the optimum equipment settings based on climate and building data. This approach ensures climate-friendly and energy-efficient operation of building technology. Additionally, the MeteoViva Climate platform provides monitoring features that allow university facilities staff to quickly identify faults and malfunctions, preventing major problems and equipment damage.

It is a very new and innovative approach, as MeteoViva Climate continuously predicts how much heating and cooling a building will need in the upcoming hours and days in order to maintain the desired climate at the lowest cost. The system uses information of the building's design and construction physics, local weather forecasts as well as utilization information to proactively manage the operation of the existing heating and cooling systems. MeteoViva Climate connects to an existing building management system and prioritizes HVAC equipment according to consumption and demand load charges.

Case studies of MeteoViva's innovative software show energy cost savings between 15-40% and a reduction in carbon emissions. Additionally, MeteoViva's platform helps improve the building's indoor climate, which leads to increased productivity of individuals occupying the building. American University has plans to expand the program to additional buildings on campus based on results from the McKinley pilot program.

Please feel free to contact me if you have further questions regarding MeteoViva Climate.

Kind regards

A handwritten signature in blue ink, appearing to read "m. wieberneit".

Max Wieberneit
President MeteoViva Inc.